October 6, 2003

Bureau of Land Management (3 copies)
Farmington Resource Area
Attn: Mr. Wayne Townsend
1235 La Plata Highway
Farmington, NM 87401

#133

State of New Mexico (2 copies)
Commissioner of Public Lands
Attn: Mr. Pete Martinez
P.O. Box 1148
Santa Fe, NM 87504-1138

State of New Mexico (2 copies)
Oil Conservation Division
Attn: Lori Wrotenberg
1200 South St. Francis Drive
P.O. Box 2308
Santa Fe, NM 87504-2308

Re: Rosa Unit 1, Sec. No. 587
San Juan and Rio Arriba Counties, New Mexico
Notice of Completion on Commercial & Non-Commercial Wells
Fruitland formation

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement 1 Sec. No. 587, Williams Production Company, LLC, As Unit Operator, has determined that the following wells are capable of producing unitized substances in paying quantities from the Fruitland formation; Rosa Unit #200, #201, #202, #203, #204, #206, #207, #208, #209, #210, #211, #212, #213, #214, #215, #216, #217, #218, #219, #220, #221, #222, #223, #224, #225, #226, #227, #228, #229, #230, #231, #232, #233, #234, #235, #236, #237, #238, #239, #240, #241, #242, #243, #256, #257, #258, #259, #260, #261, #262, #263, #266, #267, #268, #269, #270, #271, #272, #273, #274, #276, #277, #279, #282, #285, #321, #329, #331, #332, #334, #335, #336, #337, #338, #339, #341, #342, #343, #345, #354, #355, #357, #358, #361, #363, #371, & #379. Williams has also determined that the following wells are not capable of producing unitized substances in paying quantities from the Fruitland formation; Rosa Unit #264, #280, #283, #284, #287, #288, #293, #294, #296, #297, #298, #305, #306, #308, #309, #310, #311, #312, #313, #315, #322, #344, #351, #359, #500, and #63.

If these determinations meet with your approval, please indicate such approval in the space provided and return an approved copy for our files.

The Well Data, Reserves and Economics are attached.

Copies of this letter are being sent to the Rosa Unit working interest owners on the attached sheet.

Sincerely,

Kris Russell
Sr. Production Analyst
918/573-6181
kris.russell@williams.com

cc: Working Interest Owners

APPROVED _____ DATE _____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commission of Public Lands
and the Oil Conservation Commission

APPROVED _____ DATE _____

Commissioner of Public Lands
Subject to like approval by the
Bureau of Land Management
and The Commissioner of Public Lands

APPROVED _____ DATE _____

Oil Conservation Commission
Subject to like approval by the
Bureau of Land Management
and The Commissioner of Public Lands

The foregoing is the approval of Notice of Completion of Commercial wells for the Rosa Unit #200, #201, #202, #203, #204, #206, #207, #208, #209, #210, #211, #212, #213, #214, #215, #216, #217, #218, #219, #220, #221, #222, #223, #224, #225, #226, #227, #228, #229, #230, #231, #232, #233, #234, #235, #236, #237, #238, #239, #240, #241, #242, #243, #256, #257, #258, #259, #260, #261, #262, #263, #266, #267, #268, #269, #270, #271, #272, #273, #274, #276, #277, #279, #282, #285, #321, #329, #331, #332, #334, #335, #336, #337, #338, #339, #341, #342, #343, #345, #354, #355, #357, #358, #361, #363, #371, and #379, and the approval of Notice on Non-Commercial wells for the Rosa Unit #264, #280, #283, #284, #287, #288, #293, #294, #296, #297, #298, #305, #306, #308, #309, #310, #311, #312, #313, #315, #322, #344, #351, #359, #500, & #63.

ROSA UNIT WORKING INTEREST OWNERS

BP AMERICA
ATTN: BRYAN ANDERSON
501 WESTLAKE BOULEVARD
HOUSTON, TX 77079-3092

MS. ELIZABETH T. CALLOWAY
P.O. BOX 191767
DALLAS, TX 75219-1967

J.M. HUBER CORPORATION
ATTN: ANDY LYDYARD
1050 17TH STREET, SUITE 1850
DENVER, CO 80265

MR. J. GLENN TURNER, JR. LLC
3838 OAK LAWN
SYUTE 1699
DALLAS, TX 57219

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P O BOX 660197
DALLAS, TX 75266-0197

PATRICIA P. SCHIEFFER, TRUST, BANK OF AMERICA, N.A. AGT
ATTN: JEFF ANDERSON
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HENRIETTA E. SCHULTZ, TRUSTEE
500 NORTH AKARD, SUITE 2940
DALLAS, TX 75201

CONOCOPHILLIPS COMPANY
ATTN: CHIEF LANDMAN/SJ/ROCKIES
P.O. BOX 2197
HOUSTON, TX 77252

SCHULTZ MANAGEMENT, LTD.
500 N. AKARD, SUITE 2940
DALLAS, TX 75201

MR. FRED E. TURNER LLC
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

XTO ENERGY, INC.
ATTN: EDWIN S. RYAN, JR.
810 HOUSTON ST, STE 2000
FORT WORTH, TX 76102-6298

EDWARDS ASSOCIATES
ATTN: KEITH EDWARDS
1401 17th STREET, SUITE 1400
DENVER, CO 80202

MR. JOHN TURNER
PMB 285
317 SIDNEY BAKER SOUTH #400
KERRVILLE, TX 78028

THE WISER OIL COMPANY
ATTN: MATT EAGLESTON
8115 PRESTON ROAD, #400
DALLAS, TX 75225

SACRAMENTO MUNICIPAL UTILITIES DISTRICT
ATTN: THOMAS INGWERS
P.O. BOX 15830
SACRAMENTO, CA 95852-1830

Commercial

Well Name:	**Rosa Unit # 200**		Top Perf:	3151	ft
Location:	Sec 29 T31N R05W		Bottom Perf:	3278	ft
Footage:	1265 FNL 1475 FEL		IP Date:	Mar-90	
County:	Rio Arriba		IP Rate:	7	Mcfd
Spud Date:	Nov-89		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	1324	psi
Recomp/Recav Date:	5-15-99		Lease #	NMSF078764	
Commercial Status:	**Non Commercial**	**Nov-89**	Spacing	E/2	
	Commercial	**6-01-99**	Completion Date	12-12-89	

Commercial

Well Name:	**Rosa Unit # 201**		Top Perf:	3099	ft
Location:	Sec 22 T31N R06W		Bottom Perf:	3203	ft
Footage:	1640 FNL 420 FEL		IP Date:	Nov-88	
County:	Rio Arriba		IP Rate:	11	Mcfd
Spud Date:	Oct-89		Tubing Size:	2 7/8	in
Completion Type:	Cavity		SITP/SICP:	186	psi
Recomp/Recav Date:	11-6-89		Lease #	NMSF078766	
Commercial Status:	**Commercial**	**12-1-89**	Spacing	E/2	
			Completion Date	11-6-89	

Commercial

Well Name:	**Rosa Unit # 202**		Top Perf:	2890	ft
Location:	Sec 23 T31N R06W		Bottom Perf:	3060	ft
Footage:	965 FSL 1470 FWL		IP Date:	Jul-90	
County:	Rio Arriba		IP Rate:	520	Mcfd
Spud Date:	May-90		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	1520	psi
Recomp/Recav Date:	12-1-97		Lease #	NMSF078771	
Commercial Status:	**Non Commercial**	**May-90**	Spacing	W/2	
	Commercial	**1-01-98**	Completion Date	6-15-90	

Commercial

Well Name:	**Rosa Unit # 203**		Top Perf:	3175	ft
Location:	Sec 18 T31N R05W		Bottom Perf:	3300	ft
Footage:	1040 FSL 820 FEL		IP Date:	Nov-88	
County:	Rio Arriba		IP Rate:	73	Mcfd
Spud Date:	Sep-88		Tubing Size:	2 7/8	in
Completion Type:	Cavity		SITP/SICP:	186	psi
Recomp/Recav Date:	10-02-99		Lease #	NMSF078764	
Commercial Status:	**Non Commercial**	**Sep-88**	Spacing	S/2	
	Commercial	**11-01-99**	Completion Date	10-24-88	

Commercial

Well Name:	**Rosa Unit # 204**		Top Perf:	3099	ft
Location:	Sec 19 T31N R05W		Bottom Perf:	3203	ft
Footage:	1590 FNL 1465 FEL		IP Date:	Nov-88	
County:	Rio Arriba		IP Rate:	11	Mcfd
Spud Date:	Sep-88		Tubing Size:	2 7/8	in
Completion Type:	Fracture Stimulation		SITP/SICP:	186	psi
Recomp/Recav Date:	8-24-99		Lease #	NMSF078764	
Commercial Status:	**Non Commercial**	**Sep-88**	Spacing	N/2	
	Commercial	**9-01-99**	Completion Date	10-15-88	

Commercial

Well Name:	**Rosa Unit # 206**		Top Perf:	2797	ft
Location:	Sec 24 T31N R06W		Bottom Perf:	3110	ft
Footage:	1190 FNL 1050 FEL		IP Date:	Nov-88	
County:	Rio Arriba		IP Rate:	88	Mcfd
Spud Date:	Sep-88		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	1450	psi
Recomp/Recav Date:	5-20-99		Lease #	NMSF078767	
Commercial Status:	**Non Commercial**	**Sep-88**	Spacing	N/2	
	Commercial	**6-01-99**	Completion Date	10-7-88	

Commercial

Well Name:	**Rosa Unit # 207**		Top Perf:	3041	ft
Location:	Sec 17 T31N R05W		Bottom Perf:	3178	ft
Footage:	2035 FSL 1155 FWL		IP Date:	Nov-88	
County:	Rio Arriba		IP Rate:	117	Mcfd
Spud Date:	Sep-88		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	1400	psi
Recomp/Recav Date:	9-12-99		Lease #	NMSF078769	
Commercial Status:	**Non Commercial**	**Sep-88**	Spacing	W/2	
	Commercial	**10-01-99**	Completion Date	9-29-88	

Commercial

Well Name:	**Rosa Unit # 208**		Top Perf:	2863	ft
Location:	Sec 15 T31N R06W		Bottom Perf:	2988	ft
Footage:	1130 FSL 1605 FWL		IP Date:	Jul-90	
County:	Rio Arriba		IP Rate:	215	Mcfd
Spud Date:	May-90		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	1238	psi
Recomp/Recav Date:	6-3-98		Lease #	NMSF078765	
Commercial Status:	**Non Commercial**	**May-90**	Spacing	W/2	
	Commercial	**7-01-98**	Completion Date	6-20-90	

Commercial

Well Name:	**Rosa Unit # 209**		Top Perf:	2995	ft
Location:	Sec 24 T31N R06W		Bottom Perf:	3170	ft
Footage:	1310 FSL 1310 FWL		IP Date:	Apr-91	
County:	Rio Arriba		IP Rate:	242	Mcfd
Spud Date:	Aug-90		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	1210	psi
Recomp/Recav Date:	6-30-99		Lease #	NMSF078767	
Commercial Status:	**Non Commercial**	**Aug-90**	Spacing	S/2	
	Commercial	**7-01-99**	Completion Date	4-9-91	

Commercial

Well Name:	**Rosa Unit # 210**		Top Perf:	2939	ft
Location:	Sec 13 T31N R06W		Bottom Perf:	3105	ft
Footage:	1025 FSL 1310 FWL		IP Date:	May-91	
County:	Rio Arriba		IP Rate:	190	Mcfd
Spud Date:	Aug-90		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	548	psi
Recomp/Recav Date:	9-26-99		Lease #	NMSF078767	
Commercial Status:	**Non Commercial**	**Aug-90**	Spacing	S/2	
	Commercial	**10-01-99**	Completion Date	4-20-91	

Commercial

Well Name:	**Rosa Unit # 211**		Top Perf:	3053	ft
Location:	Sec 26 T31N R06W		Bottom Perf:	3230	ft
Footage:	2275 FNL 1410 FEL		IP Date:	Nov-89	
County:	Rio Arriba		IP Rate:	216	Mcfd
Spud Date:	Oct-89		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	1515	psi
Recomp/Recav Date:	11-18-89		Lease #	NMSF078771	
Commercial Status:	**Commercial**	**12-01-89**	Spacing	E/2	
			Completion Date	11-18-89	

Commercial

Well Name:	**Rosa Unit # 212**		Top Perf:	2993	ft
Location:	Sec 14 T31N R06W		Bottom Perf:	3171	ft
Footage:	1585 FNL 1070 FEL		IP Date:	Jun-91	
County:	Rio Arriba		IP Rate:	217	Mcfd
Spud Date:	Sep-90		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	1144	psi
Recomp/Recav Date:	9-05-99		Lease #	NMSF078771	
Commercial Status:	**Non Commercial**	**Sep-90**	Spacing	E/2	
	Commercial	**10-01-99**	Completion Date	5-25-91	

Commercial

Well Name:	**Rosa Unit # 213**		Top Perf:	2995	ft
Location:	Sec 23 T31N R06W		Bottom Perf:	3125	ft
Footage:	1020 FNL 1535 FEL		IP Date:	Nov-89	
County:	Rio Arriba		IP Rate:	130	Mcfd
Spud Date:	Oct-89		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	1341	psi
Recomp/Recav Date:	6-10-99		Lease #	NMSF078771	
Commercial Status:	**Non Commercial**	**Oct-89**	Spacing	E/2	
	Commercial	**7-01-99**	Completion Date	11-14-89	

Commercial

Well Name:	**Rosa Unit # 214**		Top Perf:	3040	ft
Location:	Sec 14 T31N R06W		Bottom Perf:	3159	ft
Footage:	790 FSL 1745 FWL		IP Date:	Jul-90	
County:	Rio Arriba		IP Rate:	790	Mcfd
Spud Date:	May-90		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	1304	psi
Recomp/Recav Date:	7-15-98		Lease #	NMSF078771	
Commercial Status:	**Non Commercial**	**May-90**	Spacing	W/2	
	Commercial	**8-01-98**	Completion Date	6-25-90	

Commercial

Well Name:	**Rosa Unit # 215**		Top Perf:	3042	ft
Location:	Sec 26 T31N R06W		Bottom Perf:	3255	ft
Footage:	965 FSL 1565 FWL		IP Date:	Apr-91	
County:	Rio Arriba		IP Rate:	801	Mcfd
Spud Date:	Aug-90		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	1478	psi
Recomp/Recav Date:	3-30-91		Lease #	NMSF078771	
Commercial Status:	**Commercial**	**4-01-91**	Spacing	W/2	
			Completion Date	3-31-91	

Commercial

Well Name:	**Rosa Unit # 216**		Top Perf:	2898	ft
Location:	Sec 11 T31N R06W		Bottom Perf:	3069	ft
Footage:	1500 FSL 1705 FWL		IP Date:	Nov-89	
County:	Rio Arriba		IP Rate:	91	Mcfd
Spud Date:	Oct-89		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	1231	psi
Recomp/Recav Date:	9-14-99		Lease #	NMSF078771	
Commercial Status:	**Non Commercial**	**Oct-89**	Spacing	W/2	
	Commercial	**10-01-99**	Completion Date	10-31-89	

Commercial

Well Name:	**Rosa Unit # 217**				
Location:	Sec 11 T31N R06W		Top Perf:	3123	ft
Footage:	1495 FNL 790 FEL		Bottom Perf:	3269	ft
County:	Rio Arriba		IP Date:	Dec-91	
Spud Date:	Sep-90		IP Rate:	288	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:	8-6-99		SITP/SICP:	1543	psi
			Lease #	NMSF078771	
Commercial Status:	**Non Commercial**	**Sep-90**	Spacing	E/2	
	Commercial	**9-01-99**	Completion Date	11-22-91	

Commercial

Well Name:	**Rosa Unit # 218**				
Location:	Sec 25 T31N R06W		Top Perf:	2979	ft
Footage:	1625 FSL 1940 FWL		Bottom Perf:	3233	ft
County:	Rio Arriba		IP Date:	Jul-90	
Spud Date:	Jun-90		IP Rate:	404	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	11-09-99		SITP/SICP:	1453	psi
			Lease #	NMSF078766	
Commercial Status:	**Non Commercial**	**Jun-90**	Spacing	S/2	
	Commercial	**12-01-99**	Completion Date	7-7-90	

Commercial

Well Name:	**Rosa Unit # 219**				
Location:	Sec 19 T31N R05W		Top Perf:	3014	ft
Footage:	1495 FSL 1030 FWL		Bottom Perf:	3146	ft
County:	Rio Arriba		IP Date:	Apr-91	
Spud Date:	Sep-90		IP Rate:	363	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	7-29-99		SITP/SICP:	1296	psi
			Lease #	NMSF078764	
Commercial Status:	**Non Commercial**	**Sep-90**	Spacing	S/2	
	Commercial	**8-01-99**	Completion Date	4-15-91	

Commercial

Well Name:	**Rosa Unit # 220**				
Location:	Sec 13 T31N R06W		Top Perf:	3179	ft
Footage:	980 FNL 990 FEL		Bottom Perf:	3325	ft
County:	Rio Arriba		IP Date:	Jul-90	
Spud Date:	Apr-90		IP Rate:	93	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:	10-07-99		SITP/SICP:	643	psi
			Lease #	NMSF078767	
Commercial Status:	**Non Commercial**	**Apr-90**	Spacing	N/2	
	Commercial	**11-01-99**	Completion Date	7-18-90	

Commercial

Well Name:	**Rosa Unit # 221**		Top Perf:	3204	ft
Location:	Sec 18 T31N R05W		Bottom Perf:	3337	ft
Footage:	990 FNL 1260 FEL		IP Date:	Dec-97	
County:	Rio Arriba		IP Rate:	24	Mcfd
Spud Date:	Sep-90		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	400	psi
Recomp/Recav Date:	5-22-00		Lease #	NMSF078764	
Commercial Status:	**Non Commercial**	**Sep-90**	Spacing	N/2	
	Commercial	**6-01-00**	Completion Date	10-21-97	

Commercial

Well Name:	**Rosa Unit # 222**		Top Perf:	2932	ft
Location:	Sec 15 T31N R06W		Bottom Perf:	3106	ft
Footage:	1910 FNL 635 FEL		IP Date:	Nov-89	
County:	Rio Arriba		IP Rate:	1776	Mcfd
Spud Date:	Oct-89		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	1500	psi
Recomp/Recav Date:	4-29-99		Lease #	NMSF078765	
Commercial Status:	**Non Commercial**	**Oct-89**	Spacing	E/2	
	Commercial	**5-01-99**	Completion Date	10-25-89	

Commercial

Well Name:	**Rosa Unit # 223**		Top Perf:	3042	ft
Location:	Sec 30 T31N R05W		Bottom Perf:	3206	ft
Footage:	1215 FNL 1185 FEL		IP Date:	May-91	
County:	Rio Arriba		IP Rate:	66	Mcfd
Spud Date:	Sep-90		Tubing Size:	2 3/8	in
Completion Type:	Cavity			845	psi
Recomp/Recav Date:	8-06-98		Lease #	NMSF078764	
Commercial Status:	**Non Commercial**	**Sep-90**	Spacing	N/2	
	Commercial	**9-01-98**	Completion Date	4-27-91	

Commercial

Well Name:	**Rosa Unit # 224**		Top Perf:	2912	ft
Location:	Sec 8 T31N R06W		Bottom Perf:	2994	ft
Footage:	1090 FNL 2210 FEL		IP Date:	Nov-90	
County:	San Juan		IP Rate:	372	Mcfd
Spud Date:	Oct-90		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	1439	psi
Recomp/Recav Date:	11/12/90		Lease #	892000587X	
Commercial Status:	**Commercial**	**12-01-90**	Spacing	N/2	
			Completion Date	11-12-90	

Commercial

Well Name:	**Rosa Unit # 225**		Top Perf:	2957	ft
Location:	Sec 12 T31N R06W		Bottom Perf:	3008	ft
Footage:	1535 FSL 1610 FWL		IP Date:	Feb-90	
County:	Rio Arriba		IP Rate:	403	Mcfd
Spud Date:	Nov-89		Tubing Size:	2 7/8	in
Completion Type:	Fracture Stimulation		SITP/SICP:	780	psi
Recomp/Recav Date:	6-24-98		Lease #	NMSF078767	
Commercial Status:	**Non Commercial**	**Nov-89**	Spacing	S/2	
	Commercial	**07-01-98**	Completion Date	11-10-90	

Commercial

Well Name:	**Rosa Unit # 226**		Top Perf:	2940	ft
Location:	Sec 12 T31N R06W		Bottom Perf:	3097	ft
Footage:	1850 FNL 1700 FEL		IP Date:	Nov-90	
County:	Rio Arriba		IP Rate:	TSTM	Mcfd
Spud Date:	Sept-90		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	790	psi
Recomp/Recav Date:	8-27-99		Lease #	NMSF078767	
Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	N/2	
	Commercial	**9-01-99**	Completion Date	10-9-90	

Commercial

Well Name:	**Rosa Unit # 227**		Top Perf:	3209	ft
Location:	Sec 7 T31N R05W		Bottom Perf:	3383	ft
Footage:	300 FSL 225 FWL		IP Date:	May-91	
County:	Rio Arriba		IP Rate:	1236	Mcfd
Spud Date:	Sep-90		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	1428	psi
Recomp/Recav Date:	7-21-99		Lease #	NMSF078767	
Commercial Status:	**Non Commercial**	**Sep-90**	Spacing	S/2	
	Commercial	**8-01-99**	Completion Date	4-28-91	

Commercial

Well Name:	**Rosa Unit # 228**		Top Perf:	2949	ft
Location:	Sec 7 T31N R05W		Bottom Perf:	3118	ft
Footage:	1850 FNL 1355 FEL		IP Date:	May-91	
County:	Rio Arriba		IP Rate:	154	Mcfd
Spud Date:	Sep-90		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	534	psi
Recomp/Recav Date:	4-27-00		Lease #	NMSF078767	
Commercial Status:	**Non Commercial**	**Sep-90**	Spacing	N/2	
	Commercial	**5-01-00**	Completion Date	5-4-91	

Commercial

Well Name:	**Rosa Unit # 229**				
Location:	Sec 29 T31N R05W		Top Perf:	3117	ft
Footage:	1865 FSL 1055 FWL		Bottom Perf:	3287	ft
County:	Rio Arriba		IP Date:	May-91	
Spud Date:	Oct-90		IP Rate:	195	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	11-12-02		SITP/SICP:	1562	psi
			Lease #	NMSF078764	
Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	W/2	
	Commercial	**12-01-02**	Completion Date	4-23-91	

Commercial

Well Name:	**Rosa Unit # 230**				
Location:	Sec 31 T31N R05W		Top Perf:	3161	ft
Footage:	1310 FNL 1330 FEL		Bottom Perf:	3326	ft
County:	Rio Arriba		IP Date:	Nov-90	
Spud Date:	Sep-90		IP Rate:	466	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	11-29-99		SITP/SICP:	824	psi
			Lease #	NMSF078764	
Commercial Status:	**Non Commercial**	**Sep-90**	Spacing	N/2	
	Commercial	**12-01-99**	Completion Date	10-24-90	

Commercial

Well Name:	**Rosa Unit # 231**				
Location:	Sec 31 T31N R05W		Top Perf:	3203	ft
Footage:	1275 FSL 730 FWL		Bottom Perf:	3333	ft
County:	Rio Arriba		IP Date:	Dec-89	
Spud Date:	Nov-89		IP Rate:	293	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	11-17-99		SITP/SICP:	1518	psi
			Lease #	892000587X	
Commercial Status:	**Non Commercial**	**Nov-89**	Spacing	S/2	
	Commercial	**12-01-99**	Completion Date	12-4-89	

Commercial

Well Name:	**Rosa Unit # 232**				
Location:	Sec 20 T31N R05W		Top Perf:	3019	ft
Footage:	1310 FSL 985 FWL		Bottom Perf:	3196	ft
County:	Rio Arriba		IP Date:	May-91	
Spud Date:	Aug-90		IP Rate:	242	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	11-09-99		SITP/SICP:	1315	psi
			Lease #	892000587X	
Commercial Status:	**Non Commercial**	**Aug-90**	Spacing	S/2	
	Commercial	**12-01-99**	Completion Date	5-2-91	

Commercial	Well Name:	**Rosa Unit # 233**				
	Location:	Sec 30 T31N R05W		Top Perf:	3076	ft
	Footage:	1720 FSL 990 FWL		Bottom Perf:	3252	ft
	County:	Rio Arriba		IP Date:	May-91	
	Spud Date:	Sep-90		IP Rate:	308	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	9-03-98		SITP/SICP:	1534	psi
				Lease #	NMSF078764	
	Commercial Status:	**Non Commercial**	**Sep-90**	Spacing	S/2	
		Commercial	**10-01-98**	Completion Date	4-18-91	
Commercial	Well Name:	**Rosa Unit # 234**				
	Location:	Sec 9 T31N R06W		Top Perf:	3100	ft
	Footage:	790 FSL 1400 FWL		Bottom Perf:	3238	ft
	County:	San Juan		IP Date:	Jan-91	
	Spud Date:	Aug-90		IP Rate:	158	Mcfd
	Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	4-29-99		SITP/SICP:	992	psi
				Lease #	NMSF078765	
	Commercial Status:	**Non Commercial**	**Aug-90**	Spacing	W/2	
		Commercial	**5-01-99**	Completion Date	1-2-91	
Commercial	Well Name:	**Rosa Unit # 235**				
	Location:	Sec 9 T31N R06W		Top Perf:	3126	ft
	Footage:	890 FNL 1765 FEL		Bottom Perf:	3224	ft
	County:	San Juan		IP Date:	Aug-90	
	Spud Date:	June-90		IP Rate:	122	Mcfd
	Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	5-20-99		SITP/SICP:	1523	psi
				Lease #	NMSF078765	
	Commercial Status:	**Non Commercial**	**Jul-90**	Spacing	E/2	
		Commercial	**6-01-99**	Completion Date	7-24-90	
Commercial	Well Name:	**Rosa Unit # 236**				
	Location:	Sec 5 T31N R06W		Top Perf:	2984	ft
	Footage:	1255 FSL 1535 FWL		Bottom Perf:	3112	ft
	County:	San Juan		IP Date:	Oct-90	
	Spud Date:	Aug-90		IP Rate:	71	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	9-07-90		SITP/SICP:	1223	psi
				Lease #	NMSF078765	
	Commercial Status:	**Commercial**	**10-01-90**	Spacing	ALL	
				Completion Date	9-7-90	

Commercial	Well Name:	**Rosa Unit # 237**				
	Location:	Sec 4 T31N R06W		Top Perf:	3071	ft
	Footage:	1770 FSL 1110 FWL		Bottom Perf:	3197	ft
	County:	San Juan		IP Date:	Sep-90	
	Spud Date:	Aug-90		IP Rate:	426	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	11-24-99		SITP/SICP:	1507	psi
				Lease #	NMNM88322	
	Commercial Status:	**Non Commercial**	**Aug-90**	Spacing	ALL	
		Commercial	**12-01-99**	Completion Date	9-1-90	
Commercial	Well Name:	**Rosa Unit # 238**				
	Location:	Sec 3 T31N R06W		Top Perf:	3049	ft
	Footage:	2045 FSL 1960 FEL		Bottom Perf:	3137	ft
	County:	Rio Arriba		IP Date:	Jun-91	
	Spud Date:	Oct-90		IP Rate:	TSTM	Mcfd
	Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	10-13-99		SITP/SICP:	236	psi
				Lease #	NMSF078772	
	Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	ALL	
		Commercial	**11-01-99**	Completion Date	7-18-98	
Commercial	Well Name:	**Rosa Unit # 239**				
	Location:	Sec 2 T31N R06W		Top Perf:	3044	ft
	Footage:	835 FSL 2510 FWL		Bottom Perf:	3090	ft
	County:	Rio Arriba		IP Date:	Dec-97	
	Spud Date:	Oct-90		IP Rate:	24	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	6-15-99		SITP/SICP:	400	psi
				Lease #	892000587X	
	Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	ALL	
		Commercial	**7-01-99**	Completion Date	10-23-97	
Commercial	Well Name:	**Rosa Unit # 240**				
	Location:	Sec 1 T31N R06W		Top Perf:	3019	ft
	Footage:	1900 FSL 900 FEL		Bottom Perf:	3195	ft
	County:	Rio Arriba		IP Date:	May-91	
	Spud Date:	Oct-90		IP Rate:	91	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	9-15-99		SITP/SICP:	791	psi
				Lease #	NMSF078772	
	Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	ALL	
		Commercial	**10-01-99**	Completion Date	5-10-91	

Commercial	Well Name:	**Rosa Unit # 241**		**NO FILE**		
	Location:	Sec 6 T31N R05W		Top Perf:	3014	ft
	Footage:	2090 FSL 790 FEL		Bottom Perf:	3138	ft
	County:	Rio Arriba		IP Date:	Sep-90	
	Spud Date:	Jul-90		IP Rate:	250	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	6-12-00		SITP/SICP:	1462	psi
				Lease #	NMSF078767	
	Commercial Status:	**Non Commercial**	**Jul-90**	Spacing	ALL	
		Commercial	**7-01-00**	Completion Date	8-19-90	
Commercial	Well Name:	**Rosa Unit # 242**				
	Location:	Sec 33 T32N R06W		Top Perf:	3012	ft
	Footage:	2040 FSL 790 FWL		Bottom Perf:	3177	ft
	County:	San Juan		IP Date:	Dec-90	
	Spud Date:	Oct-90		IP Rate:	156	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	10-21-99		SITP/SICP:	1502	psi
				Lease #	NMSF078772	
	Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	W/2	
		Commercial	**11-01-99**	Completion Date	12-4-90	
Commercial	Well Name:	**Rosa Unit # 243**				
	Location:	Sec 36 T32N R06W		Top Perf:	3068	ft
	Footage:	1150 FSL 910 FWL		Bottom Perf:	3193	ft
	County:	Rio Arriba		IP Date:	Aug-90	
	Spud Date:	Jul-90		IP Rate:	215	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	5-02-99		SITP/SICP:	1072	psi
				Lease #	892000587X	
	Commercial Status:	**Non Commercial**	**Jul-90**	Spacing	W/2	
		Commercial	**6-01-99**	Completion Date	8-13-90	
Commercial	Well Name:	**Rosa Unit # 256**				
	Location:	Sec 25 T31N R06W		Top Perf:	3058	ft
	Footage:	1625 FNL 1560 FEL		Bottom Perf:	3229	ft
	County:	Rio Arriba		IP Date:	Sep-90	
	Spud Date:	Jul-90		IP Rate:	250	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	11-27-99		SITP/SICP:	1498	psi
				Lease #	NMSF078766	
	Commercial Status:	**Non Commercial**	**Jul-90**	Spacing	N/2	
		Commercial	**12-01-99**	Completion Date	8-24-90	

Commercial

Well Name:	**Rosa Unit # 257**				
Location:	Sec 27 T31N R05W		Top Perf:	3526	ft
Footage:	1015 FSL 790 FWL		Bottom Perf:	3652	ft
County:	Rio Arriba		IP Date:	Jan-90	
Spud Date:	Dec-89		IP Rate:	309	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	9-11-99		SITP/SICP:	1393	psi
			Lease #	892000587X	
Commercial Status:	**Non Commercial**	**Dec-89**	Spacing	W/2	
	Commercial	**10-01-99**	Completion Date	1-2-90	

Commercial

Well Name:	**Rosa Unit # 258**				
Location:	Sec 22 T31N R05W		Top Perf:	3296	ft
Footage:	790 FSL 865 FWL		Bottom Perf:	3370	ft
County:	Rio Arriba		IP Date:	Jul-90	
Spud Date:	Jun-90		IP Rate:	1100	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	7-29-00		SITP/SICP:	1450	psi
			Lease #	NMSF078770	
Commercial Status:	**Non Commercial**	**Jun-90**	Spacing	W/2	
	Commercial	**8-01-00**	Completion Date	7-12-90	

Commercial

Well Name:	**Rosa Unit # 259**				
Location:	Sec 33 T31N R05W		Top Perf:	3232	ft
Footage:	1300 FSL 905 FWL		Bottom Perf:	3352	ft
County:	Rio Arriba		IP Date:	Jan-90	
Spud Date:	Dec-89		IP Rate:	TSTM	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	8-29-00		SITP/SICP:	358	psi
			Lease #	NMSF078773	
Commercial Status:	**Non Commercial**	**Dec-89**	Spacing	S/2	
	Commercial	**9-01-00**	Completion Date	1-11-90	

Commercial

Well Name:	**Rosa Unit # 260**				
Location:	Sec 21 T31N R06W		Top Perf:	3129	ft
Footage:	1040 FSL 1310 FWL		Bottom Perf:	3217	ft
County:	Rio Arriba		IP Date:	Dec-89	
Spud Date:	Nov-89		IP Rate:	329	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	5-12-98		SITP/SICP:	1081	psi
			Lease #	NMSF078766	
Commercial Status:	**Non Commercial**	**Nov-89**	Spacing	S/2	
	Commercial	**6-01-98**	Completion Date	12-8-89	

Commercial	Well Name:	**Rosa Unit # 261**				
	Location:	Sec 10 T31N R06W		Top Perf:	2973	ft
	Footage:	1765 FSL 655 FWL		Bottom Perf:	3092	ft
	County:	San Juan		IP Date:	Jan-91	
	Spud Date:	Oct-90		IP Rate:	101	Mcfd
	Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	9-28-00		SITP/SICP:	1541	psi
				Lease #	NMSF078765	
	Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	W/2	
		Commercial	**10-01-00**	Completion Date	11-6-90	
Commercial	Well Name:	**Rosa Unit # 262**				
	Location:	Sec 21 T31N R05W		Top Perf:	3283	ft
	Footage:	2510 FNL 890 FEL		Bottom Perf:	3411	ft
	County:	Rio Arriba		IP Date:	May-91	
	Spud Date:	Oct-90		IP Rate:	101	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	9-23-98		SITP/SICP:	1156	psi
				Lease #	NMSF078769	
	Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	E/2	
		Commercial	**10-01-98**	Completion Date	5-4-91	
Commercial	Well Name:	**Rosa Unit # 263**				
	Location:	Sec 21 T31N R05W		Top Perf:	3551	ft
	Footage:	965 FSL 1185 FWL		Bottom Perf:	3691	ft
	County:	Rio Arriba		IP Date:	Jun-91	
	Spud Date:	Oct-90		IP Rate:	48	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	10-02-99		SITP/SICP:	543	psi
				Lease #	NMSF078769	
	Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	W/2	
		Commercial	**11-01-99**	Completion Date	5-20-91	
Non-Commercial	Well Name:	**Rosa Unit # 264**				
	Location:	Sec 22 T31N R05W		Top Perf:	3364	ft
	Footage:	1150 FNL 870 FEL		Bottom Perf:	3452	ft
	County:	Rio Arriba		IP Date:	May-91	
	Spud Date:	Oct-90		IP Rate:	158	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	4/21/91		SITP/SICP:	873	psi
				Lease #	NMSF078770	
	Commercial Status:	**Non Commercial**	**5-1-91**	Spacing	E/2	
				Completion Date	4-21-91	

Commercial

Well Name:	**Rosa Unit # 266**				
Location:	Sec 28 T31N R05W		Top Perf:	3506	ft
Footage:	980 FNL 1705 FEL		Bottom Perf:	3677	ft
County:	Rio Arriba		IP Date:	May-91	
Spud Date:	Oct-90		IP Rate:	181	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	10-23-99		SITP/SICP:	1187	psi
			Lease #	NMSF078769	
Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	E/2	
	Commercial	**11-01-99**	Completion Date	5-8-91	

Commercial

Well Name:	**Rosa Unit # 267**				
Location:	Sec 28 T31N R05W		Top Perf:	3245	ft
Footage:	1115 FSL 1200 FWL		Bottom Perf:	3380	ft
County:	Rio Arriba		IP Date:	May-91	
Spud Date:	Nov-90		IP Rate:	141	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	11-11-99		SITP/SICP:	961	psi
			Lease #	NMSF078769	
Commercial Status:	**Non Commercial**	**Nov-90**	Spacing	W/2	
	Commercial	**12-01-99**	Completion Date	5-15-91	

Commercial

Well Name:	**Rosa Unit # 268**				
Location:	Sec 33 T31N R05W		Top Perf:	3247	ft
Footage:	950 FNL 2350 FEL		Bottom Perf:	3378	ft
County:	Rio Arriba		IP Date:	May-91	
Spud Date:	Oct-90		IP Rate:	200	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	10-13-99		SITP/SICP:	1137	psi
			Lease #	NMSF078773	
Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	N/2	
	Commercial	**11-01-99**	Completion Date	5-16-91	

Commercial

Well Name:	**Rosa Unit # 269**				
Location:	Sec 34 T31N R05W		Top Perf:	3481	ft
Footage:	1375 FNL 1420 FEL		Bottom Perf:	3608	ft
County:	Rio Arriba		IP Date:	May-91	
Spud Date:	Oct-90		IP Rate:	230	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	8-23-99		SITP/SICP:	262	psi
			Lease #	NMSF078773	
Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	E/2	
	Commercial	**9-01-99**	Completion Date	4-30-91	

Commercial

Well Name:	**Rosa Unit # 270**				
Location:	Sec 34 T31N R05W		Top Perf:	3421	ft
Footage:	2065 FSL 1610 FWL		Bottom Perf:	3594	ft
County:	Rio Arriba		IP Date:	Jun-91	
Spud Date:	Oct-90		IP Rate:	161	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	10-14-98		SITP/SICP:	1076	psi
			Lease #	NMSF078773	
Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	W/2	
	Commercial	**11-01-98**	Completion Date	5-12-91	

Commercial

Well Name:	**Rosa Unit # 271**				
Location:	Sec 35 T31N R05W		Top Perf:	3441	ft
Footage:	1810 FNL 1850 FEL		Bottom Perf:	3568	ft
County:	Rio Arriba		IP Date:	May-91	
Spud Date:	Sep-90		IP Rate:	232	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	7-15-99		SITP/SICP:	1448	psi
			Lease #	NMSF078773	
Commercial Status:	**Non Commercial**	**Sep-90**	Spacing	E/2	
	Commercial	**8-01-99**	Completion Date	4-24-91	

Commercial

Well Name:	**Rosa Unit # 272**				
Location:	Sec 35 T31N R05W		Top Perf:	3422	ft
Footage:	2510 FSL 790 FWL		Bottom Perf:	3548	ft
County:	Rio Arriba		IP Date:	Aug-90	
Spud Date:	Jul-90		IP Rate:	514	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:	8-04-99		SITP/SICP:	1557	psi
			Lease #	NMSF078773	
Commercial Status:	**Non Commercial**	**Jul-90**	Spacing	W/2	
	Commercial	**9-01-99**	Completion Date	8-7-90	

Commercial

Well Name:	**Rosa Unit # 273**				
Location:	Sec 8 T31N R06W		Top Perf:	2939	ft
Footage:	1690 FSL 925 FWL		Bottom Perf:	3150	ft
County:	San Juan		IP Date:	Dec-90	
Spud Date:	Oct-90		IP Rate:	388	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	11-20-90		SITP/SICP:	1148	psi
			Lease #	NMSF078765	
Commercial Status:	**Commercial**	**12-01-90**	Spacing	S/2	
			Completion Date	11-20-90	

Commercial	Well Name:	**Rosa Unit # 274**		Top Perf:	3071	ft
	Location:	Sec 16 T31N R06W		Bottom Perf:	3174	ft
	Footage:	790 FNL 2415 FEL		IP Date:	Jan-91	
	County:	San Juan		IP Rate:	462	Mcfd
	Spud Date:	Oct-90		Tubing Size:	2 3/8	in
	Completion Type:	Fracture Stimulation		SITP/SICP:	1462	psi
	Recomp/Recav Date:	11-30-00		Lease #	NMSF078766	
	Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	E/2	
		Commercial	**12-01-00**	Completion Date	1-7-91	
Commercial	Well Name:	**Rosa Unit # 276**		Top Perf:	2980	ft
	Location:	Sec 17 T31N R06W		Bottom Perf:	3165	ft
	Footage:	2245 FNL 855 FEL		IP Date:	Jan-91	
	County:	San Juan		IP Rate:	66	Mcfd
	Spud Date:	Jul-90		Tubing Size:	2 3/8	in
	Completion Type:	Fracture Stimulation		SITP/SICP:	789	psi
	Recomp/Recav Date:	7-01-97 Compression WFS		Lease #	NMSF078766	
	Commercial Status:	**Non Commercial**	**Jul-90**	Spacing	E/2	
		Commercial	**8/01/97**	Completion Date	1-14-91	
Commercial	Well Name:	**Rosa Unit # 277**		Top Perf:	3023	ft
	Location:	Sec 17 T31N R06W		Bottom Perf:	3203	ft
	Footage:	1930 FSL 1850 FWL		IP Date:	Dec-90	
	County:	San Juan		IP Rate:	286	Mcfd
	Spud Date:	Oct-90		Tubing Size:	2 3/8	in
	Completion Type:	Cavity		SITP/SICP:	1202	psi
	Recomp/Recav Date:	11-03-98		Lease #	NMSF078766	
	Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	W/2	
		Commercial	**12-01-98**	Completion Date	11-25-90	
Commercial	Well Name:	**Rosa Unit # 279**		Top Perf:	3324	ft
	Location:	Sec 35 T32N R06W		Bottom Perf:	3443	ft
	Footage:	1110 FNL 1155 FEL		IP Date:	May-91	
	County:	Rio Arriba		IP Rate:	48	Mcfd
	Spud Date:	Oct-90		Tubing Size:	2 3/8	in
	Completion Type:	Cavity		SITP/SICP:	456	psi
	Recomp/Recav Date:	7-01-99		Lease #	NMSF078772	
	Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	E/2	
		Commercial	**8-01-99**	Completion Date	5-18-91	

Non-Commercial

Well Name:	[redacted]				
Location:	Sec 1 T31N R04W		Top Perf:	3902	ft
Footage:	1930 FSL 1860 FWL		Bottom Perf:	3963	ft
County:	Rio Arriba		IP Date:	May-91	
Spud Date:	Oct-90		IP Rate:	54	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	928	psi
			Lease #	NMSF078891	
Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	W/2	
			Completion Date	4-22-91	

Commercial

Well Name:	**Rosa Unit # 282**				
Location:	Sec 2 T31N R04W		Top Perf:	4048	ft
Footage:	2000 FSL 1725 FWL		Bottom Perf:	4078	ft
County:	Rio Arriba		IP Date:	Sep-90	
Spud Date:	Aug-90		IP Rate:	6444	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:	9-14-90		SITP/SICP:	1350	psi
			Lease #	NMSF078891	
Commercial Status:	**Commercial**	**10-01-90**	Spacing	W/2	
			Completion Date	9-14-90	

Non-Commercial

Well Name:	[redacted]				
Location:	Sec 2 T31N R04W		Top Perf:	4062	ft
Footage:	1830 FNL 850 FEL		Bottom Perf:	4082	ft
County:	Rio Arriba		IP Date:	Jul-91	
Spud Date:	Sep-90		IP Rate:	3275	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	1150	psi
			Lease #	NMSF078891	
Commercial Status:	**Non Commercial**	**Sep-90**	Spacing	E/2	
			Completion Date	6-11-91	

Non-Commercial

Well Name:	[redacted]		**1ST DEL 2/3/98**		
Location:	Sec 3 T31N R04W		Top Perf:	4029	ft
Footage:	2125 FSL 1340 FWL		Bottom Perf:	4106	ft
County:	Rio Arriba		IP Date:	Jul-91	
Spud Date:	Oct-90		IP Rate:	266	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	1280	psi
			Lease #	NMSF078891	
Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	W/2	
			Completion Date	6-21-91	

Commercial

Well Name:	**Rosa Unit # 285**				
Location:	Sec 3 T31N R04W		Top Perf:	4063	ft
Footage:	1670 FNL 300 FEL		Bottom Perf:	4112	ft
County:	Rio Arriba		IP Date:	Sep-90	
Spud Date:	Aug-90		IP Rate:	2700	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:	9-19-90		SITP/SICP:	1080	psi
			Lease #	NMSF078891	
Commercial Status:	**Commercial**	**10-01-90**	Spacing	E/2	
			Completion Date	9-19-90	

Non-Commercial

Well Name:	**Rosa Unit # 287**				
Location:	Sec 4 T31N R04W		Top Perf:	3950	ft
Footage:	900 FNL 2100 FEL		Bottom Perf:	4027	ft
County:	Rio Arriba		IP Date:	Jul-93	
Spud Date:	Oct-92		IP Rate:	TSTM	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	821	psi
			Lease #	NMSF078890	
Commercial Status:	**Non Commercial**	**Oct-92**	Spacing	N/2	
			Completion Date	6-29-93	

Non-Commercial

Well Name:	**Rosa Unit # 286**				
Location:	Sec 4 T31N R04W		Top Perf:	3805	ft
Footage:	1840 FSL 1020 FWL		Bottom Perf:	3876	ft
County:	Rio Arriba		IP Date:	Nov-93	
Spud Date:	Aug-93		IP Rate:	1115	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	680	psi
			Lease #	NMSF078890	
Commercial Status:	**Non Commercial**	**Aug-93**	Spacing	S/2	
			Completion Date	10-6-93	

Non-Commercial

Well Name:	**Rosa Unit # 284**				
Location:	Sec 10 T31N R04W		Top Perf:	3799	ft
Footage:	1510 FNL 1720 FEL		Bottom Perf:	3906	ft
County:	Rio Arriba		IP Date:	May-91	
Spud Date:	Sep-90		IP Rate:	116	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	560	psi
			Lease #	NMSF078888	
Commercial Status:	**Non Commercial**	**Sep-90**	Spacing	N/2	
			Completion Date	4-27-91	

Non-Commercial

Well Name:	[redacted] Rosa Unit # [redacted]				
Location:	Sec 10 T31N R04W		Top Perf:	3907	ft
Footage:	1066 FSL 987 FEL		Bottom Perf:	3930	ft
County:	Rio Arriba		IP Date:	Jul-93	
Spud Date:	Oct-92		IP Rate:	740	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	660	psi
			Lease #	NMSF078888	
Commercial Status:	**Non Commercial**	**Oct-92**	Spacing	S/2	
			Completion Date	6-27-93	

Non-Commercial

Well Name:	[redacted] Rosa Unit # 20[redacted]				
Location:	Sec 12 T31N R04W		Top Perf:	3885	ft
Footage:	1230 FNL 680 FWL		Bottom Perf:	3933	ft
County:	Rio Arriba		IP Date:	May-91	
Spud Date:	Oct-90		IP Rate:	48	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	892	psi
			Lease #	NMSF078887	
Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	W/2	
			Completion Date	4-26-91	

Non-Commercial

Well Name:	[redacted] Rosa Unit # 20[redacted]				
Location:	Sec 14 T31N R04W		Top Perf:	3603	ft
Footage:	1690 FNL 1065 FEL		Bottom Perf:	3678	ft
County:	Rio Arriba		IP Date:	Apr-91	
Spud Date:	Oct-90		IP Rate:	20	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	895	psi
			Lease #	NMSF078892	
Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	N/2	
			Completion Date	4-6-91	

Non-Commercial

Well Name:	[redacted] Rosa Unit # [redacted]				
Location:	Sec 14 T31N R04W		Top Perf:	3596	ft
Footage:	1305 FSL 2040 FWL		Bottom Perf:	3657	ft
County:	Rio Arriba		IP Date:	Sep-93	
Spud Date:	Jul-93		IP Rate:	100	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	250	psi
			Lease #	NMSF078892	
Commercial Status:	**Non Commercial**	**Jul-93**	Spacing	S/2	
			Completion Date	9-3-93	

Non-Commercial	Well Name:	[redacted]				
	Location:	Sec 22 T31N R04W		Top Perf:	3976	ft
	Footage:	965 FSL 990 FEL		Bottom Perf:	4060	ft
	County:	Rio Arriba		IP Date:	Apr-91	
	Spud Date:	Oct-90		IP Rate:	1065	Mcfd
	Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
	Recomp/Recav Date:			SITP/SICP:	1306	psi
				Lease #	NMSF078893	
	Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	E/2	
				Completion Date	4-13-91	
Non-Commercial	Well Name:	[redacted]				
	Location:	Sec 22 T31N R04W		Top Perf:	3802	ft
	Footage:	325 FSL 1125 FWL		Bottom Perf:	3888	ft
	County:	Rio Arriba		IP Date:	Aug-91	
	Spud Date:	Jun-91		IP Rate:	2130	Mcfd
	Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
	Recomp/Recav Date:			SITP/SICP:	1261	psi
				Lease #	NMSF078893	
	Commercial Status:	**Non Commercial**	**Jun-91**	Spacing	W/2	
				Completion Date	7-13-91	
Non-Commercial	Well Name:	[redacted]				
	Location:	Sec 24 T31N R04W		Top Perf:	3765	ft
	Footage:	1850 FSL 880 FWL		Bottom Perf:	3852	ft
	County:	Rio Arriba		IP Date:	Jul-91	
	Spud Date:	Jun-91		IP Rate:	247	Mcfd
	Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
	Recomp/Recav Date:			SITP/SICP:	1178	psi
				Lease #	NMSF078887	
	Commercial Status:	**Non Commercial**	**Jun-91**	Spacing	W/2	
				Completion Date	7-8-91	
Non-Commercial	Well Name:	[redacted]				
	Location:	Sec 26 T31N R04W		Top Perf:	3789	ft
	Footage:	1155 FNL 790 FEL		Bottom Perf:	3836	ft
	County:	Rio Arriba		IP Date:	Apr-91	
	Spud Date:	Oct-90		IP Rate:	1917	Mcfd
	Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
	Recomp/Recav Date:			SITP/SICP:	1147	psi
				Lease #	NMSF078894	
	Commercial Status:	**Non Commercial**	**Aug-90**	Spacing	E/2	
				Completion Date	4-8-91	

Non-Commercial

Well Name:	[redacted]				
Location:	Sec 26 T31N R04W		Top Perf:	3654	ft
Footage:	1245 FSL 1850 FWL		Bottom Perf:	3692	ft
County:	Rio Arriba		IP Date:	Sep-90	
Spud Date:	Aug-90		IP Rate:	177	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	865	psi
			Lease #	892000587X	
Commercial Status:	**Non Commercial**	**Aug-90**	Spacing	W/2	
			Completion Date	9-1-90	

Non-Commercial

Well Name:	[redacted]				
Location:	Sec 28 T31N R04W		Top Perf:	3667	ft
Footage:	1430 FNL 645 FEL		Bottom Perf:	3746	ft
County:	Rio Arriba		IP Date:	May-91	
Spud Date:	Oct-90		IP Rate:	543	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	1250	psi
			Lease #	892000587X	
Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	E/2	
			Completion Date	4-22-91	

Non-Commercial

Well Name:	[redacted]				
Location:	Sec 28 T31N R04W		Top Perf:	3506	ft
Footage:	1490 FSL 230 FWL		Bottom Perf:	3533	ft
County:	Rio Arriba		IP Date:	Aug-91	
Spud Date:	Jun-91		IP Rate:	266	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	430	psi
			Lease #	NMSF078894	
Commercial Status:	**Non Commercial**	**Jun-91**	Spacing	W/2	
			Completion Date	7-17-91	

Non-Commercial

Well Name:	[redacted]				
Location:	Sec 29 T31N R04W		Top Perf:	3390	ft
Footage:	960 FSL 1065 FWL		Bottom Perf:	3418	ft
County:	Rio Arriba		IP Date:	Oct-92	
Spud Date:	Oct-91		IP Rate:	127	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	1540	psi
			Lease #	NMSF078894	
Commercial Status:	**Non Commercial**	**Oct-91**	Spacing	W/2	
			Completion Date	9-23-92	

Non-Commercial

Well Name:	[redacted]				
Location:	Sec 30 T31N R04W		Top Perf:	3296	ft
Footage:	2548 FSL 2066 FWL		Bottom Perf:	3384	ft
County:	Rio Arriba		IP Date:	Jul-93	
Spud Date:	Oct-92		IP Rate:	TSTM	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	1430	psi
			Lease #	NMSF078774	
Commercial Status:	**Non Commercial**	**Oct-92**	Spacing	W/2	
			Completion Date	6-27-93	

Commercial

Well Name:	**Rosa Unit # 321**				
Location:	Sec 20 T31N R05W		Top Perf:	3273	ft
Footage:	1205 FNL 1765 FEL		Bottom Perf:	3446	ft
County:	Rio Arriba		IP Date:	May-91	
Spud Date:	Oct-90		IP Rate:	58	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	8-15-99		SITP/SICP:	1072	psi
			Lease #	892000587X	
Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	N/2	
	Commercial	**9-01-99**	Completion Date	5-4-91	

Non-Commercial

Well Name:	[redacted]				
Location:	Sec 23 T31N R05W		Top Perf:	3295	ft
Footage:	1390 FNL 2460 FEL		Bottom Perf:	3381	ft
County:	Rio Arriba		IP Date:	May-91	
Spud Date:	Oct-90		IP Rate:	190	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:			SITP/SICP:	1540	psi
			Lease #	NMSF078770	
Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	N/2	
			Completion Date	4-17-91	

Commercial

Well Name:	**Rosa Unit # 329**				
Location:	Sec 34 T32N R06W		Top Perf:	3038	ft
Footage:	1950 FNL 1185 FEL		Bottom Perf:	3172	ft
County:	Rio Arriba		IP Date:	May-91	
Spud Date:	Oct-90		IP Rate:	40	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	in
Recomp/Recav Date:	5-23-99		SITP/SICP:	720	psi
			Lease #	NMSF078772	
Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	E/2	
	Commercial	**6-01-99**	Completion Date	5-14-91	

Commercial	Well Name:	**Rosa Unit # 331**				
	Location:	Sec 35 T32N R06W		Top Perf:	2972	ft
	Footage:	2540 FSL 1720 FWL		Bottom Perf:	3140	ft
	County:	Rio Arriba		IP Date:	Dec-90	
	Spud Date:	Oct-90		IP Rate:	364	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	6-12-99		SITP/SICP:	895	psi
				Lease #	NMSF078772	
	Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	W/2	
		Commercial	**7-01-99**	Completion Date	11-16-90	
Commercial	Well Name:	**Rosa Unit # 332**				
	Location:	Sec 22 T31N R06W		Top Perf:	2950	ft
	Footage:	1565 FSL 1330 FWL		Bottom Perf:	3117	ft
	County:	Rio Arriba		IP Date:	Sep-97	
	Spud Date:	Oct-90		IP Rate:	676	Mcfd
	Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	8-12-97		SITP/SICP:	1285	psi
				Lease #	NMSF078766	
	Commercial Status:	**Non Commercial**	**Oct-90**	Spacing	W/2	
		Commercial	**9-01-97**	Completion Date	8-12-97	
Commercial	Well Name:	**Rosa Unit # 334**				
	Location:	Sec 32 T31N R05W		Top Perf:	3275	ft
	Footage:	1025 FNL 790 FEL		Bottom Perf:	3404	ft
	County:	Rio Arriba		IP Date:	May-91	
	Spud Date:	Aug-90		IP Rate:	380	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	4-24-99		SITP/SICP:	714	psi
				Lease #	892000587X	
	Commercial Status:	**Non Commercial**	**Aug-90**	Spacing	E/2	
		Commercial	**5-01-99**	Completion Date	5-10-91	
Commercial	Well Name:	**Rosa Unit # 335**				
	Location:	Sec 5 T31N R05W		Top Perf:	2983	ft
	Footage:	2005 FSL 905 FWL		Bottom Perf:	3154	ft
	County:	Rio Arriba		IP Date:	Dec-90	
	Spud Date:	Nov-90		IP Rate:	123	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	8-03-01		SITP/SICP:	1080	psi
				Lease #	NMSF078763	
	Commercial Status:	**Non Commercial**	**Nov-90**	Spacing	ALL	
		Commercial	**9-01-01**	Completion Date	12-8-90	

Commercial	Well Name:	**Rosa Unit # 336**				
	Location:	Sec 8 T31N R05W		Top Perf:	2987	ft
	Footage:	915 FNL 2025 FEL		Bottom Perf:	3159	ft
	County:	Rio Arriba		IP Date:	Dec-90	
	Spud Date:	Oct-90		IP Rate:	615	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 3/8	in
	Recomp/Recav Date:	6-13-01		SITP/SICP:	1525	psi
				Lease #	NMSF078763	
	Commercial Status:	**Non Commercial**	***Oct-90***	Spacing	N/2	
		Commercial	**7-01-01**	Completion Date	12-3-990	
Commercial	Well Name:	**Rosa Unit # 337**				
	Location:	Sec 32 T31N R05W		Top Perf:	3217	ft
	Footage:	2045 FSL 1450 FWL		Bottom Perf:	3351	ft
	County:	Rio Arriba		IP Date:	Dec-97	
	Spud Date:	Oct-97		IP Rate:	3164	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 7/8	in
	Recomp/Recav Date:	11-20-97		SITP/SICP:	647	psi
				Lease #	892000587X	
	Commercial Status:	**Commercial**	**12-01-97**	Spacing	W/2	
				Completion Date	11-20-97	
Commercial	Well Name:	**Rosa Unit # 338**				
	Location:	Sec 32 T32N R06W		Top Perf:	2880	ft
	Footage:	1535 FSL 1295 FWL		Bottom Perf:	3007	ft
	County:	San Juan		IP Date:	Nov-97	
	Spud Date:	Sep-97		IP Rate:	6828	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 7/8	in
	Recomp/Recav Date:	10-23-97		SITP/SICP:	877	psi
				Lease #	892000587X	
	Commercial Status:	**Commercial**	**11-01-97**	Spacing	W/2	
				Completion Date	10-23-97	
Commercial	Well Name:	**Rosa Unit # 339**				
	Location:	Sec 32 T32N R06W		Top Perf:	3118	ft
	Footage:	1135 FNL 1075 FEL		Bottom Perf:	3304	ft
	County:	San Juan		IP Date:	Dec-98	
	Spud Date:	Oct-98		IP Rate:	5913	Mcfd
	Completion Type:	Cavity		Tubing Size:	2 7/8	in
	Recomp/Recav Date:	12-04-98		SITP/SICP:	940	psi
				Lease #	892000587X	
	Commercial Status:	**Commercial**	**1-01-99**	Spacing	E/2	
				Completion Date	12-4-98	

Commercial

Well Name:	**Rosa Unit # 341**		Top Perf:	3466	ft
Location:	Sec 16 T31N R06W directional		Bottom Perf:	3560	ft
Footage:	2174 FSL 350 FEL Sec 17 surface		IP Date:	Oct-00	
County:	San Juan		IP Rate:	1521	Mcfd
Spud Date:	Jul-00		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	360	psi
Recomp/Recav Date:	10-20-00		Lease #	NMSF078766	
Commercial Status:	**Commercial**	**11-01-00**	Spacing	W/2	
			Completion Date	10-20-00	

Commercial

Well Name:	**Rosa Unit # 342**		Top Perf:	3048	ft
Location:	Sec 21 T31N R06W		Bottom Perf:	3165	ft
Footage:	1850 FNL 1705 FEL		IP Date:	Oct-01	
County:	Rio Arriba		IP Rate:	150	Mcfd
Spud Date:	Aug-01		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	420	psi
Recomp/Recav Date:	9-21-01		Lease #	892000587X	
Commercial Status:	**Commercial**	**10-01-01**	Spacing	N/2	
			Completion Date	9-21-01	

Commercial

Well Name:	**Rosa Unit # 343**		Top Perf:	3284	ft
Location:	Sec 26 T31N R05W		Bottom Perf:	3385	ft
Footage:	1365 FSL 2375 FWL		IP Date:	Aug-00	
County:	Rio Arriba		IP Rate:	870	Mcfd
Spud Date:	Jun-00		Tubing Size:	2 7/8	in
Completion Type:	Cavity		SITP/SICP:	880	psi
Recomp/Recav Date:	6-30-00		Lease #	NMSF078768	
Commercial Status:	**Commercial**	**7-01-00**	Spacing	S/2	
			Completion Date	6-30-00	

Non-Commercial

Well Name:	[redacted]		Top Perf:	3202	ft
Location:	Sec 25 T31N R05W		Bottom Perf:	3282	ft
Footage:	1755 FSL 1260 FWL		IP Date:	Oct-00	
County:	Rio Arriba		IP Rate:	333	Mcfd
Spud Date:	Aug-00		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	290	psi
Recomp/Recav Date:			Lease #	NMSF078768	
Commercial Status:	**Non Commercial**	**Aug-00**	Spacing	S/2	
			Completion Date	9-25-00	

Commercial

Well Name:	**Rosa Unit # 345**		Top Perf:	3316	ft
Location:	Sec 23 T31N R05W		Bottom Perf:	3419	ft
Footage:	1850 FSL 975 FWL		IP Date:	Aug-00	
County:	Rio Arriba		IP Rate:	644	Mcfd
Spud Date:	Jun-00		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	230	psi
Recomp/Recav Date:	7-29-00		Lease #	NMSF078768	
Commercial Status:	**Commercial**	**8-01-00**	Spacing	S/2	
			Completion Date	7-29-00	

Non-Commercial

Well Name:	**Rosa Unit # 351**		Top Perf:	3470	ft
Location:	Sec 11 T31N R05W		Bottom Perf:	3595	ft
Footage:	1260 FSL 1725 FWL		IP Date:	Sep-00	
County:	Rio Arriba		IP Rate:	392	Mcfd
Spud Date:	Jul-00		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	485	psi
Recomp/Recav Date:			Lease #	NMSF078762	
Commercial Status:	**Non Commercial**	**Jul-00**	Spacing	W/2	
			Completion Date	8-26-00	

Commercial

Well Name:	**Rosa Unit # 354**		Top Perf:	3416	ft
Location:	Sec 19 T31N R04W		Bottom Perf:	3525	ft
Footage:	2120 FNL 2015 FEL		IP Date:	Jun-01	
County:	Rio Arriba		IP Rate:	579	Mcfd
Spud Date:	Sep-00		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	300	psi
Recomp/Recav Date:	6-02-01		Lease #	NMSF078889	
Commercial Status:	**Commercial**	**7-01-01**	Spacing	E/2	
			Completion Date	6-2-01	

Commercial

Well Name:	**Rosa Unit # 355**		Top Perf:	3030	ft
Location:	Sec 33 T32N R06W		Bottom Perf:	3116	ft
Footage:	1964 FNL 1960 FEL		IP Date:	Dec-00	
County:	San Juan		IP Rate:	1140	Mcfd
Spud Date:	Sep-00		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	690	psi
Recomp/Recav Date:	11-11-00		Lease #	NMSF078772	
Commercial Status:	**Commercial**	**12-01-00**	Spacing	E/2	
			Completion Date	11-11-00	

Commercial

Well Name:	**Rosa Unit # 357**		Top Perf:	3330	ft
Location:	Sec 36 T32N R06W		Bottom Perf:	3430	ft
Footage:	1045 FNL 1605 FEL		IP Date:	Jul-01	
County:	Rio Arriba		IP Rate:	506	Mcfd
Spud Date:	May-01		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	390	psi
Recomp/Recav Date:	6-26-01		Lease #	892000587X	
Commercial Status:	**Commercial**	**7-01-01**	Spacing	E/2	
			Completion Date	6-26-01	

Commercial

Well Name:	**Rosa Unit # 358**		Top Perf:	3015	ft
Location:	Sec 34 T32N R06W		Bottom Perf:	3126	ft
Footage:	1660 FSL 1920 FWL		IP Date:	Dec-00	
County:	Rio Arriba		IP Rate:	706	Mcfd
Spud Date:	Oct-00		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	620	psi
Recomp/Recav Date:	11-27-00		Lease #	NMSF078772	
Commercial Status:	**Commercial**	**12-01-00**	Spacing	W/2	
			Completion Date	11-27-00	

Non-Commercial

Well Name:	**Rosa Unit # 359**		Top Perf:	2884	ft
Location:	Sec 4 T31N R05W		Bottom Perf:	3005	ft
Footage:	2155 FSL 1870 FWL		IP Date:	Aug-01	
County:	Rio Arriba		IP Rate:	2806	Mcfd
Spud Date:	Jun-01		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	740	psi
Recomp/Recav Date:			Lease #	NMSF078763	
Commercial Status:	**Non Commercial**	**Jun-01**	Spacing	ALL	
			Completion Date	7-24-01	

Commercial

Well Name:	**Rosa Unit # 361**		Top Perf:	3125	ft
Location:	Sec 16 T31N R05W		Bottom Perf:	3344	ft
Footage:	1585 FSL 2090 FWL		IP Date:	Aug-02	
County:	Rio Arriba		IP Rate:	864	Mcfd
Spud Date:	July-02		Tubing Size:	2 3/8	in
Completion Type:	Horizontal		SITP/SICP:	1628	psi
Recomp/Recav Date:	7-29-02		Lease #	NMSF078769	
Commercial Status:	**Commercial**	**8-01-01**	Spacing	W/2	
			Completion Date	7-29-02	

Commercial

Well Name:	**Rosa Unit # 363**		Top Perf:	2995	ft
Location:	Sec 17 T31N R05W		Bottom Perf:	3142	ft
Footage:	1105 FNL 795 FEL		IP Date:	Jun-01	
County:	Rio Arriba		IP Rate:	3144	Mcfd
Spud Date:	Apr-01		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	290	psi
Recomp/Recav Date:	5-16-01		Lease #	NMSF078769	
Commercial Status:	**Commercial**	**6-01-01**	Spacing	E/2	
			Completion Date	5/16/2001	

Commercial

Well Name:	**Rosa Unit # 371**		Top Perf:	3168	ft
Location:	Sec 13 T31N R05W		Bottom Perf:	3360	ft
Footage:	970 FSL 1640 FWL		IP Date:	Sep-02	
County:	Rio Arriba		IP Rate:	350	Mcfd
Spud Date:	Sep-02		Tubing Size:	2 3/8	in
Completion Type:	Horizontal		SITP/SICP:	1346	psi
Recomp/Recav Date:	8-31-02		Lease #	NMSF078762	
Commercial Status:	**Commercial**	**9-01-02**	Spacing	W/2	
			Completion Date	8-31-02	

Commercial

Well Name:	**Rosa Unit # 379**		Top Perf:	2880	ft
Location:	Sec 8 T31N R05W		Bottom Perf:	3096	ft
Footage:	1710 FSL 1680 FWL		IP Date:	Sep-02	
County:	Rio Arriba		IP Rate:	1256	Mcfd
Spud Date:	Aug-02		Tubing Size:	2 3/8	in
Completion Type:	Horizontal		SITP/SICP:	1648	psi
Recomp/Recav Date:	8/14/02		Lease #	NMSF078763	
Commercial Status:	**Commercial**	**9-01-02**	Spacing	S/2	
			Completion Date	8-14-02	

Non-Commercial

Well Name:	[redacted]		Top Perf:	3574	ft
Location:	Sec 23 T31N R04W		Bottom Perf:	3702	ft
Footage:	990 FNL 970 FWL		IP Date:	Jul-00	
County:	Rio Arriba		IP Rate:	864	Mcfd
Spud Date:	Sep-99		Tubing Size:	2 3/8	in
Completion Type:	Cavity		SITP/SICP:	465	psi
Recomp/Recav Date:			Lease #	NMSF078893	
Commercial Status:	**Non Commercial**	**Sep-99**	Spacing	W/2	
			Completion Date	7-6-00	

Non-Commercial	Well Name:	[redacted] Rosa Unit #[redacted]				
	Location:	Sec 30 T31N R04W		Top Perf:	3308	ft
	Footage:	1630 FNL 1850 FEL		Bottom Perf:	3391	ft
	County:	Rio Arriba		IP Date:	Nov-92	
	Spud Date:	Jun-77		IP Rate:	TSTM	Mcfd
	Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
	Recomp/Recav Date:			SITP/SICP:	1280	psi
				Lease #	NMSF078777	
	Commercial Status:	**Non Commercial**	**Oct-92**	Spacing	E/2	
				Completion Date	10-1-92	

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101 ROSA UNIT #200
102 TEST CASE
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 89 12 11 01 1989 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	1/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
310	FACT	1.000	1.000
314	18.	.000	.000
315	3.	7023.000	2911.000
316	3.	11868.000	4317.000
317	3.	5394.000	4415.000
318	3.	7767.000	4937.000
319	3.	4530.000	4921.000
320	3.	2785.000	2979.000
321	3.	4195.000	3342.000
322	3.	3740.000	1757.000
323	3.	2424.000	1325.000
324	3.	3289.000	1712.000
325	3.	3147.000	.000
326	3.	3489.000	1840.000
327	3.	1117.000	1600.000
328	3.	.000	.000
329	3.	.000	.000
330	3.	55.000	80.000
331	3.	.000	.000
332	3.	.000	.000
333	3.	.000	.000
334	3.	.000	.000
335	3.	.000	240.000
336	3.	1088.000	3200.000
337	3.	3939.000	8160.000
338	3.	9069.000	10160.000
339	3.	8630.000	7040.000
340	3.	15362.000	5560.000
341	3.	36749.000	4560.000
342	3.	48460.000	4240.000
343	3.	56935.000	4000.000
344	3.	49397.000	3440.000
345	3.	46006.000	2880.000
346	3.	27004.000	3880.000
347	3.	30543.000	4800.000
348	3.	32806.000	5760.000
349	3.	35237.000	4720.000
350	3.	37727.000	4320.000
351	3.	41948.000	5440.000
352	3.	46591.000	4760.000
353	3.	53183.000	4400.000
354	3.	72394.000	4880.000
355	3.	86688.000	3600.000
356	3.	102839.000	5200.000
357	3.	112794.000	4160.000
358	3.	117093.000	3920.000
359	3.	117433.000	4000.000
360	3.	117865.000	3840.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-6.430	39706.748	X	2.000	IYRS	M		
CALC	GAS	EXP	END=	-6.430	39706.748	44977.203	16.000	YRS	M	2383.497	MMCF
411	GAS	EXP		5.000	LAST	X	2.000	IYRS	M		
CALC	GAS	EXP	END=	5.000	44977.203	40591.926	18.000	YRS	M	3409.427	MMCF
412	GAS	EXP		18.000	LAST	X	30.000	IYRS	M		
CALC	GAS	EXP	END=	18.000	40591.926	105.404	48.000	YRS	M	5857.580	MMCF
420	WATER	EXP		7.516	44.094	X	33.981	IYRS	D		
CALC	WATER	EXP	END=	7.516	44.094	3.099	47.981	YRS	D	348.799	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.957 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 0 UNTIL 1996.0 AD : 2500 UNTIL 1998.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
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*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE

          INV NAME          INV. POINT          (G OR N)      TANG-M$    INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
          --------    ---------------------     --------      -------    ---------   ---------   ---------   ---------
   805      INVEST      1990.000     AD             G          122.800     200.000        .000
   806 ! INSTALL ROD PUMP
   806      INVEST      1991.830     AD             G           37.000        .000        .000
   807 ! CHANGE PUMP
   807      INVEST      1993.750     AD             G             .000       6.000        .000
   808 ! CHANGE PUMP
   808      INVEST      1996.750     AD             G             .000       6.000        .000
   809 ! SIDETRACK AND CAVITATION
   809      INVEST      1999.250     AD             G           58.500     170.000        .000

   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):          32.000
   GROSS GAS     (MMCF):        5738.877
   GROSS WATER     (MU):         316.602
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NMOCD UNIT 9206
TEST CASE
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 06/12/03
TIME: 15:04:30
FILE: FTC_COM
PROP: 1
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

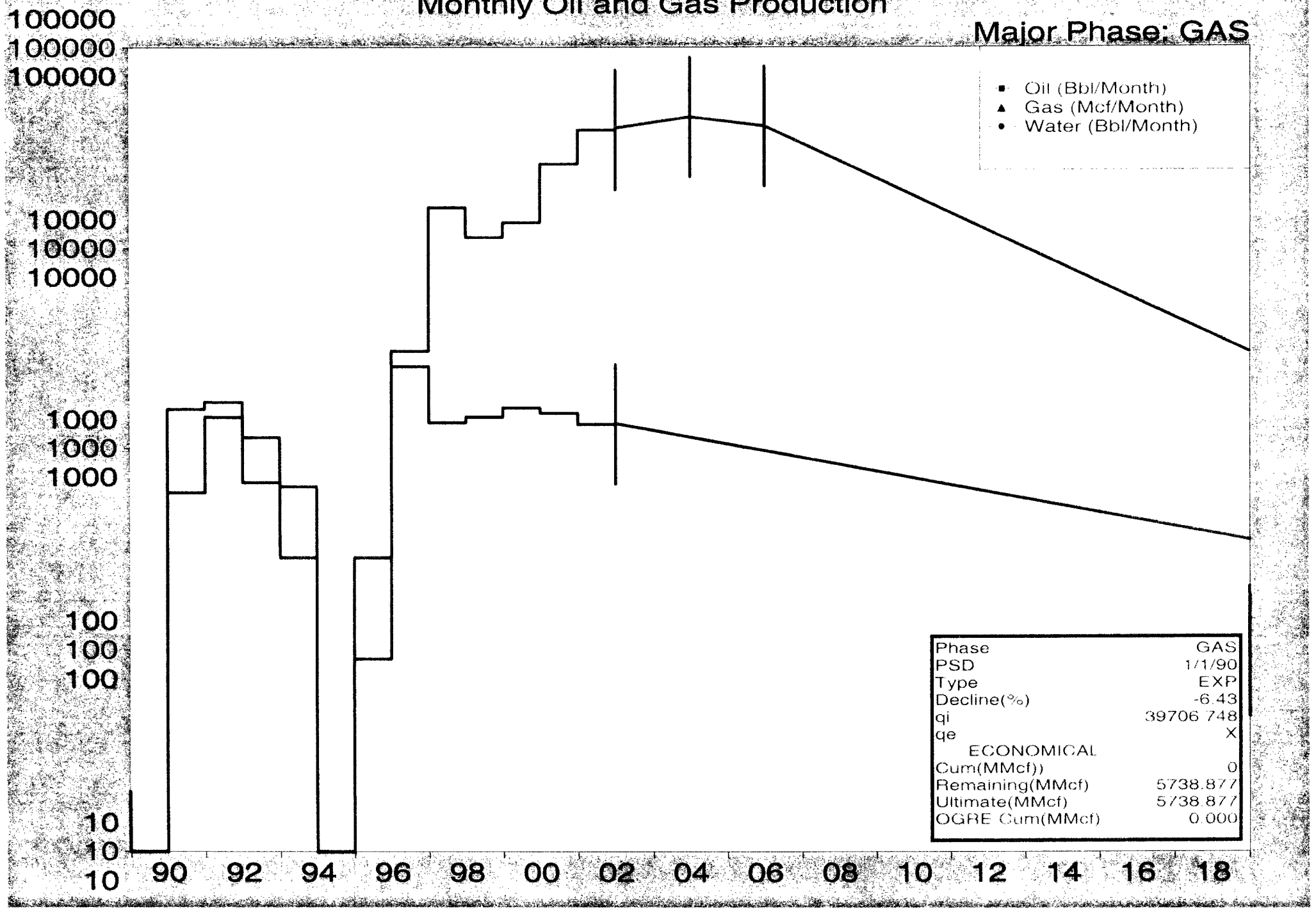
WILLIAMS PROD CO

AS OF NOVEMBER 1, 1989

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-90	.000	.000	.000	.000	.00	1.14	.000	.000	8.760	235.644	-244.404	-240.963
12-91	.000	18.891	.000	12.067	.00	1.49	17.951	1.779	26.786	27.010	-37.624	-273.462
12-92	.000	20.476	.000	13.079	.00	1.70	22.287	2.209	45.486	.000	-25.408	-294.156
12-93	.000	13.648	.000	8.718	.00	1.47	12.812	1.270	27.101	4.380	-19.939	-309.130
12-94	.000	7.753	.000	4.952	.00	1.06	5.268	.522	17.022	.000	-12.276	-317.702
12-95	.000	.055	.000	.035	.00	1.25	.044	.004	.160	.000	-.120	-317.780
12-96	.000	1.088	.000	.695	.00	1.50	1.040	.103	28.456	4.380	-31.899	-336.826
12-97	.000	37.000	.000	23.634	.00	2.09	49.435	4.899	87.799	.000	-43.263	-360.807
12-98	.000	191.541	.000	122.347	.00	1.68	205.171	20.332	109.322	.000	75.517	-322.048
12-99	.000	136.359	.000	87.099	.00	1.86	161.767	16.031	97.169	166.805	-118.238	-379.779
12-00	.000	161.503	.000	103.160	.00	3.18	328.318	32.537	107.109	.000	188.672	-296.758
12-01	.000	315.104	.000	201.273	.00	3.16	635.130	62.942	144.305	.000	427.883	-122.424
12-02	.000	465.185	.000	297.137	.00	3.16	937.635	92.919	178.776	.000	665.940	128.804
12-03	.000	491.641	.000	314.036	.00	3.16	990.961	98.204	184.748	.000	708.009	376.117
12-04	.000	523.253	.000	334.228	.00	3.16	1054.678	104.519	190.714	.000	759.445	621.747
12-05	.000	526.118	.000	336.058	.00	3.16	1060.453	105.091	189.482	.000	765.880	851.109
12-06	.000	499.812	.000	319.255	.00	3.16	1007.430	99.837	180.935	.000	726.658	1052.605
12-07	.000	441.815	.000	282.209	.00	3.16	890.529	88.252	164.410	.000	637.867	1216.379
12-08	.000	362.288	.000	231.411	.00	3.16	730.232	72.366	142.503	.000	515.363	1338.898
12-09	.000	297.076	.000	189.757	.00	3.16	598.790	59.340	124.376	.000	415.074	1430.265
12-10	.000	243.603	.000	155.601	.00	3.16	491.009	48.659	109.359	.000	332.991	1498.135
12-11	.000	199.754	.000	127.593	.00	3.16	402.628	39.901	96.908	.000	265.819	1548.300
12-12	.000	163.798	.000	104.626	.00	3.16	330.154	32.718	86.570	.000	210.866	1585.147
12-13	.000	134.315	.000	85.794	.00	3.16	270.728	26.830	77.971	.000	165.927	1611.994
12-14	.000	110.138	.000	70.351	.00	3.16	221.997	22.000	70.812	.000	129.185	1631.347
12-15	.000	90.313	.000	57.687	.00	3.16	182.035	18.040	64.838	.000	99.157	1645.102
12-16	.000	74.057	.000	47.304	.00	3.16	149.271	14.792	59.845	.000	74.634	1654.688
12-17	.000	60.726	.000	38.789	.00	3.16	122.401	12.130	55.665	.000	54.606	1661.182
12-18	.000	49.796	.000	31.807	.00	3.16	100.369	9.946	52.156	.000	38.267	1665.396
12-19	.000	40.833	.000	26.082	.00	3.16	82.303	8.156	49.205	.000	24.942	1667.939
12-20	.000	33.482	.000	21.387	.00	3.16	67.488	6.688	46.716	.000	14.084	1669.269
12-21	.000	27.456	.000	17.538	.00	3.16	55.342	5.485	44.609	.000	5.248	1669.728
S TOT	.000	5738.877	.000	3665.709	.00	3.05	11185.656	1108.501	2870.073	438.219	6768.863	1669.728
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	1669.728
TOTAL	.000	5738.877	.000	3665.709	.00	3.05	11185.656	1108.501	2870.073	438.219	6768.863	1669.728
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			11185.656					
ULT.	.000	5738.877		TOTAL REVENUES (M$)			11185.656					

BTAX RATE OF RETURN (PCT)	22.66	PROJECT LIFE (YEARS)	32.000		--------PRESENT WORTH PROFILE--------			
BTAX PAYOUT	08/17/2001	DISCOUNT RATE (PCT)	8.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT (DISC)	06/26/2002	GROSS OIL WELLS	.000	2.0	4749.286	35.0	-207.630
BTAX NET INCOME/INVEST	16.45	GROSS GAS WELLS	1.000	5.0	2815.974	40.0	-229.807
BTAX NET INCOME/INVEST (DISC)	5.88	GROSS WELLS	2.000	8.0	1669.728	45.0	-240.714
				10.0	1168.910	50.0	-245.545
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000	12.0	805.831	60.0	-246.784
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000	15.0	434.954	70.0	-243.757
PRODUCTION START DATE	1/01/90	INITIAL NET GAS FRACTION	.638750	18.0	198.819	80.0	-239.661
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750	20.0	89.971	90.0	-235.513
				25.0	-78.958	100.0	-231.625
WATER GROSS PROD. (MU)	316.602	WATER NET PRODUCTION (MU)	202.231	WATER NET REVENUES (M$)			.000

ROSA UNIT #200
31N 5W 29B
Monthly Oil and Gas Production



ROSA UNIT #201
PROPNUM 81120-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 06/12/03
TIME: 15:23:36
FILE: FTC_COM
PROP: 114
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1989

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-90	.000	20.182	.000	12.891	.00	1.17	15.053	1.492	49.738	219.000	-255.177	-248.975
12-91	.000	52.024	.000	33.230	.00	1.53	50.813	5.035	146.385	27.010	-127.617	-360.062
12-92	.000	46.920	.000	29.970	.00	1.75	52.494	5.202	86.541	.000	-39.249	-391.824
12-93	.000	65.999	.000	42.157	.00	1.51	63.682	6.311	46.716	4.380	6.275	-387.080
12-94	.000	92.916	.000	59.350	.00	1.09	64.903	6.432	54.297	18.250	-14.076	-396.525
12-95	.000	156.271	.000	99.818	.00	1.29	128.583	12.742	83.119	.000	32.722	-375.504
12-96	.000	118.288	.000	75.556	.00	1.54	116.235	11.519	73.278	208.050	-176.612	-483.773
12-97	.000	256.218	.000	163.659	.00	2.15	351.874	34.871	139.239	.000	177.764	-385.867
12-98	.000	382.181	.000	244.118	.00	1.72	420.797	41.701	167.633	.000	211.463	-278.028
12-99	.000	443.445	.000	283.250	.00	1.91	540.750	53.589	182.811	.000	304.350	-134.316
12-00	.000	484.592	.000	309.533	.00	3.27	1012.608	100.350	190.123	.000	722.135	181.412
12-01	.000	465.834	.000	297.551	.00	3.24	965.137	95.645	181.976	.000	687.516	459.738
12-02	.000	442.140	.000	282.417	.00	3.24	916.049	90.780	172.166	.000	653.103	704.548
12-03	.000	434.342	.000	277.436	.00	3.24	899.892	89.179	167.596	.000	643.117	927.758
12-04	.000	416.968	.000	266.338	.00	3.24	863.895	85.612	159.794	.000	618.489	1126.519
12-05	.000	400.290	.000	255.685	.00	3.24	829.341	82.188	152.638	.000	594.515	1303.423
12-06	.000	382.441	.000	244.284	.00	3.24	792.360	78.522	145.567	.000	568.271	1459.993
12-07	.000	328.289	.000	209.695	.00	3.24	680.167	67.405	129.283	.000	483.479	1583.334
12-08	.000	269.197	.000	171.950	.00	3.24	557.738	55.271	111.990	.000	390.477	1675.570
12-09	.000	220.741	.000	140.998	.00	3.24	457.342	45.323	97.746	.000	314.273	1744.307
12-10	.000	181.008	.000	115.619	.00	3.24	375.022	37.165	86.008	.000	251.849	1795.310
12-11	.000	148.427	.000	94.808	.00	3.24	307.520	30.475	76.336	.000	200.709	1832.946
12-12	.000	121.709	.000	77.742	.00	3.24	252.164	24.990	68.361	.000	158.813	1860.520
12-13	.000	99.802	.000	63.749	.00	3.24	206.776	20.492	61.789	.000	124.495	1880.534
12-14	.000	81.838	.000	52.274	.00	3.24	169.556	16.803	56.367	.000	96.386	1894.881
12-15	.000	67.107	.000	42.865	.00	3.24	139.037	13.778	51.897	.000	73.362	1904.992
12-16	.000	55.027	.000	35.148	.00	3.24	114.006	11.298	48.210	.000	54.498	1911.947
12-17	.000	45.123	.000	28.822	.00	3.24	93.487	9.265	45.164	.000	39.058	1916.562
12-18	.000	37.001	.000	23.634	.00	3.24	76.659	7.597	42.653	.000	26.409	1919.451
12-19	.000	30.340	.000	19.380	.00	3.24	62.861	6.229	40.578	.000	16.054	1921.077
12-20	.000	24.879	.000	15.891	.00	3.24	51.544	5.108	38.866	.000	7.570	1921.787
12-21	.000	20.401	.000	13.031	.00	3.24	42.267	4.189	37.452	.000	.626	1921.841
S TOT	.000	6391.940	.000	4082.849	.00	2.86	11670.612	1156.558	3192.317	476.690	6845.047	1921.841
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	1921.841
TOTAL	.000	6391.940	.000	4082.849	.00	2.86	11670.612	1156.558	3192.317	476.690	6845.047	1921.841
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			11670.612					
ULT.	.000	6391.940		TOTAL REVENUES (M$)			11670.612					

BTAX RATE OF RETURN (PCT)	24.52	PROJECT LIFE (YEARS)	32.000		
BTAX PAYOUT	08/09/1999	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	06/04/2000	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	15.36	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	6.05	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	1/01/90	INITIAL NET GAS FRACTION	.638750		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750		
WATER GROSS PROD. (MU)	364.576	WATER NET PRODUCTION (MU)	232.872	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	6845.047	30.0	-136.138
2.0	4949.103	35.0	-200.123
5.0	3076.900	40.0	-235.552
8.0	1921.841	45.0	-254.770
10.0	1399.197	50.0	-264.588
12.0	1009.602	60.0	-269.815
15.0	597.685	70.0	-266.631
18.0	323.892	80.0	-260.595
20.0	192.917	90.0	-253.817
25.0	-20.342	100.0	-247.109

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101 ROSA UNIT #201
102 PROPNUM 81120-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 89 12 10 01 1989 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	1/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
310	FACT	1.000	1.000
325	3.	.000	.000
326	3.	2841.000	.000
327	3.	12258.000	6467.000
328	3.	5083.000	13077.000
329	3.	6576.000	16078.000
330	3.	13334.000	17196.000
331	3.	17045.000	18180.000
332	3.	15069.000	16457.000
333	3.	9040.000	14089.000
334	3.	12613.000	5879.000
335	3.	11688.000	6558.000
336	3.	13579.000	9330.000
337	3.	14277.000	3764.000
338	3.	17724.000	3198.000
339	3.	16452.000	2246.000
340	3.	17546.000	2076.000
341	3.	14782.000	644.000
342	3.	14014.000	3400.000
343	3.	9395.000	362.000
344	3.	54725.000	7151.000
345	3.	70729.000	4430.000
346	3.	76123.000	5821.000
347	3.	9134.000	606.000
348	3.	285.000	160.000
349	3.	67833.000	3500.000
350	3.	18511.000	2720.000
351	3.	521.000	80.000
352	3.	31423.000	4800.000
353	3.	36229.000	7680.000
354	3.	61064.000	7440.000
355	3.	77894.000	5760.000
356	3.	81031.000	6480.000
357	3.	88808.000	4560.000
358	3.	92775.000	4880.000
359	3.	99777.000	5960.000
360	3.	100821.000	4560.000
361	3.	95090.000	5860.000
362	3.	115379.000	4280.000
363	3.	117116.000	4425.000
364	3.	115860.000	4880.000
365	3.	121147.000	5340.000
366	3.	121425.000	3160.000
367	3.	119984.000	4380.000
368	3.	122036.000	4640.000
369	3.	113984.000	3840.000
370	3.	121634.000	4240.000
371	3.	117431.000	3920.000
372	3.	112785.000	3760.000
373	3.	108570.000	3160.000
374	3.	111846.000	2800.000
375	3.	111142.000	4240.000
376	3.	110582.000	3600.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.000	1214.432	X	3.750	IYRS	D		
CALC	GAS	EXP	END=	4.000	1214.432	1042.054	17.750	YRS	D	4568.284	MMCF
411	GAS	EXP		18.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	18.000	1042.054	2.706	47.750	YRS	D	6479.901	MMCF
420	WATER	EXP		14.250	36.710	X	33.786	IYRS	D		
CALC	WATER	EXP	END=	14.250	36.710	.204	47.786	YRS	D	368.788	M-UNITS

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600 SERIES LINES:
602 DATA BTU : 0.9837 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1998.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
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*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE

          INV NAME          INV. POINT          (G OR N)      TANG-M$    INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
          --------      --------------------    --------      -------    ---------   ---------   ---------   ---------
   805      INVEST           .000     MOS           G         150.000     150.000        .000
   806 ! INSTALL ROD PUMP
   806      INVEST         21.000     MOS           G          37.000        .000        .000
   807 ! CHANGE PUMP
   807      INVEST         23.000     IMOS          G            .000       6.000        .000
   808 ! LATERAL COMPRESSION
   808      INVEST         14.000     IMOS          G          19.000       6.000        .000
   809 ! RECAVITATION
   809      INVEST         16.000     IMOS          G         135.000     150.000        .000

   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):          32.000
   GROSS GAS      (MMCF):       6391.940
   GROSS WATER      (MU):         364.576
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ROSA UNIT #201
31N 6W 22H

Monthly Oil and Gas Production

ROSA UNIT #202
PROPNUM 81355-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 06/12/03
TIME: 15:44:27
FILE: FTC_COM
PROP: 2
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF MAY 1, 1988

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-89	.000	.000	.000	.000	.00	1.50	.000	.000	.000	.000	.000	.000
12-90	.000	.000	.000	.000	.00	1.13	.000	.000	4.774	301.169	-305.943	-258.884
12-91	.000	.000	.000	.000	.00	1.48	.000	.000	8.760	.000	-8.760	-265.749
12-92	.000	8.598	.000	5.492	.00	1.70	9.315	.923	15.958	.000	-7.566	-271.239
12-93	.000	34.521	.000	22.050	.00	1.46	32.256	3.197	24.755	4.380	-.076	-271.290
12-94	.000	21.415	.000	13.679	.00	1.06	14.486	1.436	22.306	.000	-9.256	-277.049
12-95	.000	19.074	.000	12.184	.00	1.25	15.199	1.506	33.665	.000	-19.972	-288.554
12-96	.000	6.694	.000	4.276	.00	1.49	6.370	.631	28.856	.000	-23.117	-300.884
12-97	.000	89.112	.000	56.920	.00	2.08	118.511	11.744	64.189	107.310	-64.732	-331.247
12-98	.000	255.984	.000	163.510	.00	1.67	272.939	27.049	123.733	159.140	-36.983	-349.573
12-99	.000	267.290	.000	170.731	.00	1.85	315.636	31.279	146.433	.000	137.924	-291.174
12-00	.000	246.182	.000	157.249	.00	3.17	498.162	49.368	134.832	.000	313.962	-168.084
12-01	.000	255.466	.000	163.179	.00	3.14	512.554	50.794	135.974	.000	325.786	-49.820
12-02	.000	211.079	.000	134.827	.00	3.14	423.499	41.969	122.772	.000	258.758	37.154
12-03	.000	193.727	.000	123.743	.00	3.14	388.684	38.519	113.675	.000	236.490	110.755
12-04	.000	185.977	.000	118.793	.00	3.14	373.135	36.978	106.878	.000	229.279	176.826
12-05	.000	178.515	.000	114.026	.00	3.14	358.162	35.494	100.845	.000	221.823	236.014
12-06	.000	159.558	.000	101.918	.00	3.14	320.130	31.725	92.473	.000	195.932	284.421
12-07	.000	134.029	.000	85.611	.00	3.14	268.909	26.649	82.937	.000	159.323	320.868
12-08	.000	112.584	.000	71.913	.00	3.14	225.883	22.385	74.876	.000	128.622	348.112
12-09	.000	94.570	.000	60.407	.00	3.14	189.742	18.804	68.061	.000	102.877	368.289
12-10	.000	79.440	.000	50.742	.00	3.14	159.383	15.794	62.300	.000	81.289	383.051
12-11	.000	66.729	.000	42.623	.00	3.14	133.881	13.267	57.426	.000	63.188	393.676
12-12	.000	56.052	.000	35.803	.00	3.14	112.459	11.144	53.308	.000	48.007	401.150
12-13	.000	47.084	.000	30.075	.00	3.14	94.467	9.362	49.824	.000	35.281	406.236
12-14	.000	39.551	.000	25.263	.00	3.14	79.352	7.864	46.875	.000	24.613	409.521
12-15	.000	33.222	.000	21.221	.00	3.14	66.656	6.606	44.385	.000	15.665	411.457
12-16	.000	27.907	.000	17.826	.00	3.14	55.992	5.549	42.278	.000	8.165	412.391
12-17	.000	23.442	.000	14.974	.00	3.14	47.034	4.661	40.492	.000	1.881	412.590
S TOT	.000	2847.802	.000	1819.035	.00	2.80	5092.796	504.697	1903.640	571.999	2112.460	412.590
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	412.590
TOTAL	.000	2847.802	.000	1819.035	.00	2.80	5092.796	504.697	1903.640	571.999	2112.460	412.590
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			5092.796					
ULT.	.000	2847.802		TOTAL REVENUES (M$)			5092.796					

						--------PRESENT WORTH PROFILE--------			
						DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)	15.62	PROJECT LIFE (YEARS)	29.000			.0	2112.460	30.0	-143.940
BTAX PAYOUT	01/28/2001	DISCOUNT RATE (PCT)	8.000			2.0	1438.316	35.0	-145.985
BTAX PAYOUT (DISC)	07/27/2002	GROSS OIL WELLS	.000			5.0	792.872	40.0	-142.073
BTAX NET INCOME/INVEST	4.69	GROSS GAS WELLS	1.000			8.0	412.590	45.0	-135.545
BTAX NET INCOME/INVEST (DISC)	2.08	GROSS WELLS	2.000			10.0	248.436	50.0	-128.047
						12.0	131.193	60.0	-112.970
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000			15.0	14.586	70.0	-99.436
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000			18.0	-56.145	80.0	-87.838
PRODUCTION START DATE	6/15/90	INITIAL NET GAS FRACTION	.638750			20.0	-86.844	90.0	-78.009
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750			25.0	-129.070	100.0	-69.671
WATER GROSS PROD. (MU)	256.526	WATER NET PRODUCTION (MU)	163.860			WATER NET REVENUES (M$)		.000	

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101 ROSA UNIT #202
102 PROPNUM 81355-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 88 12 05 01 1988 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	6/15/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
315	24.	.000	.000
320	3.	140.000	375.000
321	3.	6713.000	1920.000
322	3.	9701.000	2494.000
323	3.	10650.000	961.000
324	3.	10377.000	698.000
325	3.	4608.000	241.000
326	3.	5170.000	.000
327	3.	4899.000	960.000
328	3.	5029.000	1280.000
329	3.	5729.000	1840.000
330	3.	8440.000	1960.000
331	3.	10708.000	1520.000
332	3.	1018.000	160.000
333	3.	35.000	320.000
334	3.	2171.000	985.000
335	3.	891.000	880.000
336	3.	.000	.000
337	3.	693.000	800.000
338	3.	18508.000	2160.000
339	3.	27530.000	2480.000
340	3.	20302.000	2880.000
341	3.	19063.000	3040.000
342	3.	39127.000	3120.000
343	3.	52493.000	3800.000
344	3.	82848.000	6340.000
345	3.	77425.000	6080.000
346	3.	61867.000	7140.000
347	3.	68848.000	6015.000
348	3.	67512.000	6920.000
349	3.	68549.000	6240.000
350	3.	64724.000	6080.000
351	3.	59910.000	6080.000
352	3.	62837.000	4720.000
353	3.	59290.000	6000.000
354	3.	61501.000	5160.000
355	3.	67948.000	6000.000
356	3.	66143.000	5200.000
357	3.	61269.000	5640.000
358	3.	53747.000	5400.000
359	3.	53336.000	5280.000
360	3.	52903.000	5440.000
361	3.	51863.000	4960.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.000	542.660	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.000	542.660	480.111	17.955	YRS	D	1965.783	MMCF
411	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	480.111	2.569	47.955	YRS	D	2965.493	MMCF
420	WATER	EXP		14.330	54.920	X	33.030	IYRS	D		
CALC	WATER	EXP	END=	14.330	54.920	.332	47.985	YRS	D	268.391	M-UNITS

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600 SERIES LINES:
602 DATA BTU : 0.9526 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
```

```
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE

        INV NAME          INV. POINT          (G OR N)     TANG-M$    INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
        --------    --------------------      --------     -------    ---------   ---------   ---------   ---------
   805     INVEST      1990.500     AD            G         214.710     197.850       .000
   807 ! CHANGE PUMP
   807     INVEST      1993.500     AD            G            .000       6.000      .000
   808 ! SIDETRACK
   808     INVEST      1997.900     AD            G            .000     147.000      .000
   809 ! CAVITATION
   809     INVEST      1998.250     AD            G            .000     218.000      .000

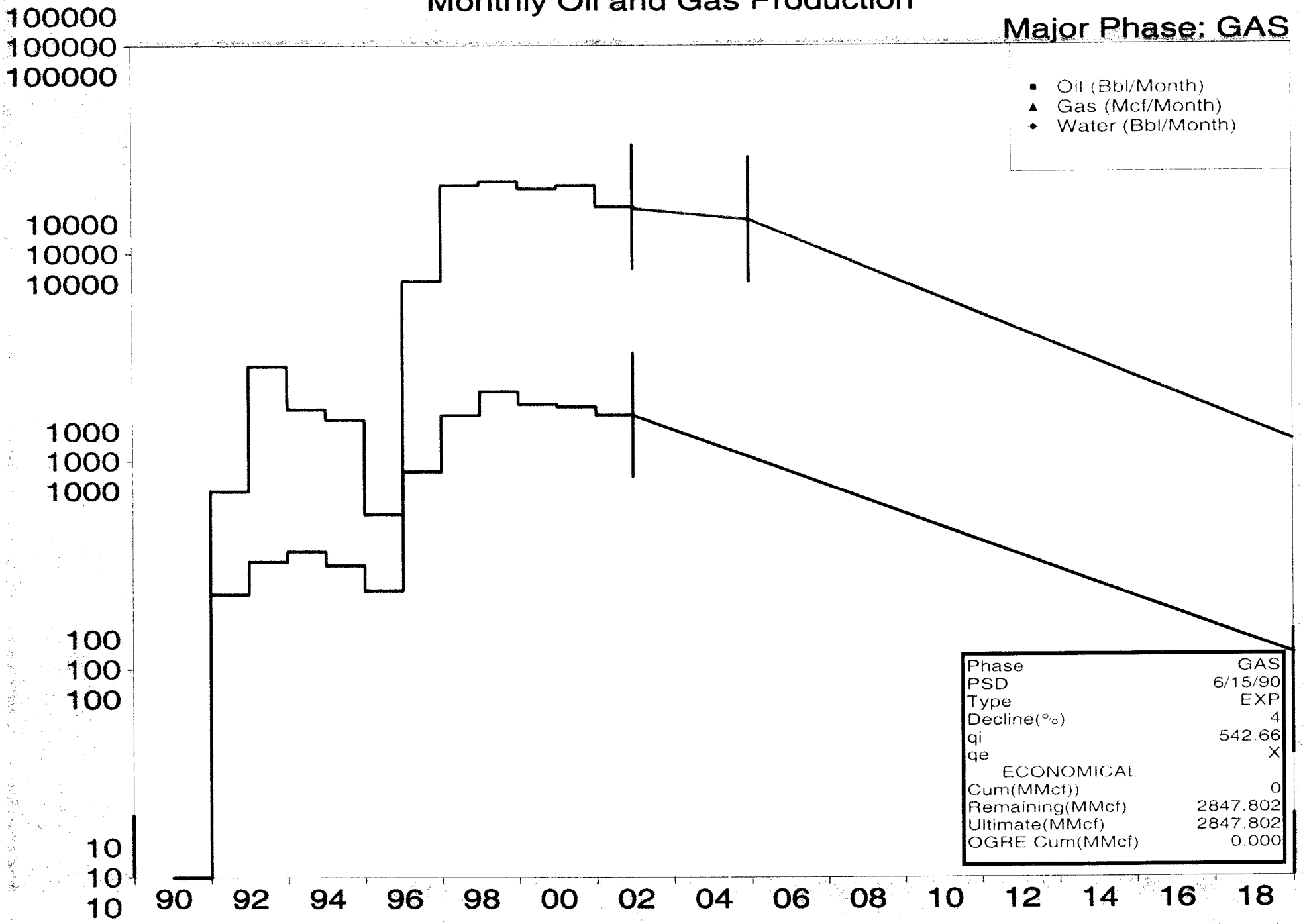
   853 CASE $GATHNET88
 *  658 COMPUTE GASC = GASC / WI
 *  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):          29.000
   GROSS GAS      (MMCF):       2847.802
   GROSS WATER      (MU):        256.526
```

ROSA UNIT #202
31N 6W 23N

Monthly Oil and Gas Production



ROSA UNIT #203 TEST
PROPNUM 85973-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 06/17/03
TIME: 16:07:50
FILE: FTC_COM
PROP: 3
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1988

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-89	.000	20.631	.000	13.178	.00	1.53	20.217	2.004	16.138	269.285	-267.210	-260.518
12-90	.000	.081	.000	.052	.00	1.16	.060	.006	8.987	.000	-8.933	-268.275
12-91	.000	.000	.000	.000	.00	1.52	.000	.000	.000	.000	.000	-268.275
12-92	.000	.000	.000	.000	.00	1.74	.000	.000	.000	.000	.000	-268.275
12-93	.000	.000	.000	.000	.00	1.50	.000	.000	.000	.000	.000	-268.275
12-94	.000	.000	.000	.000	.00	1.08	.000	.000	.000	.000	.000	-268.275
12-95	.000	.000	.000	.000	.00	1.28	.000	.000	.000	.000	.000	-268.275
12-96	.000	.000	.000	.000	.00	1.52	.000	.000	.000	.000	.000	-268.275
12-97	.000	.232	.000	.148	.00	2.13	.315	.031	1.229	.000	-.945	-268.754
12-98	.000	2.244	.000	1.433	.00	1.71	2.449	.242	42.487	.000	-40.280	-287.652
12-99	.000	13.598	.000	8.686	.00	1.89	16.437	1.629	51.826	140.784	-177.802	-363.038
12-00	.000	78.285	.000	50.005	.00	3.24	162.156	16.070	74.655	.000	71.431	-334.306
12-01	.000	203.988	.000	130.297	.00	3.22	418.937	41.516	107.655	.000	269.766	-233.833
12-02	.000	378.467	.000	241.746	.00	3.22	777.273	77.028	150.821	.000	549.424	-44.361
12-03	.000	399.698	.000	255.307	.00	3.22	820.875	81.349	154.286	.000	585.240	142.513
12-04	.000	439.033	.000	280.432	.00	3.22	901.658	89.354	160.974	.000	651.330	335.084
12-05	.000	444.900	.000	284.180	.00	3.22	913.709	90.549	159.591	.000	663.569	516.741
12-06	.000	427.105	.000	272.813	.00	3.22	877.161	86.926	152.575	.000	637.660	678.375
12-07	.000	409.571	.000	261.613	.00	3.22	841.150	83.358	146.064	.000	611.728	821.950
12-08	.000	348.094	.000	222.345	.00	3.22	714.894	70.846	128.450	.000	515.598	933.999
12-09	.000	271.512	.000	173.428	.00	3.22	557.614	55.259	107.186	.000	395.169	1013.515
12-10	.000	211.781	.000	135.275	.00	3.22	434.942	43.103	90.557	.000	301.282	1069.648
12-11	.000	165.188	.000	105.514	.00	3.22	339.253	33.620	77.548	.000	228.085	1108.996
12-12	.000	128.847	.000	82.301	.00	3.22	264.618	26.224	67.369	.000	171.025	1136.315
12-13	.000	100.501	.000	64.195	.00	3.22	206.403	20.454	59.404	.000	126.545	1155.031
12-14	.000	78.390	.000	50.072	.00	3.22	160.994	15.954	53.171	.000	91.869	1167.612
12-15	.000	61.145	.000	39.056	.00	3.22	125.575	12.445	48.294	.000	64.836	1175.833
12-16	.000	47.693	.000	30.464	.00	3.22	97.949	9.706	44.476	.000	43.767	1180.972
12-17	.000	37.200	.000	23.762	.00	3.22	76.401	7.571	41.485	.000	27.345	1183.945
12-18	.000	29.016	.000	18.534	.00	3.22	59.591	5.905	39.143	.000	14.543	1185.409
12-19	.000	22.633	.000	14.457	.00	3.22	46.483	4.606	37.310	.000	4.567	1185.835
S TOT	.000	4319.833	.000	2759.293	.00	3.20	8837.114	875.755	2021.681	410.069	5529.609	1185.835
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	1185.835
TOTAL	.000	4319.833	.000	2759.293	.00	3.20	8837.114	875.755	2021.681	410.069	5529.609	1185.835
CUM.	.000	6.941		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			8837.114	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	4326.774		TOTAL REVENUES (M$)			8837.114	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
								.0	5529.609	30.0	-188.932	
								2.0	3768.730	35.0	-214.276	
								5.0	2126.577	40.0	-225.980	
								8.0	1185.835	45.0	-230.891	
								10.0	787.234	50.0	-232.330	
								12.0	505.254	60.0	-230.720	
								15.0	225.832	70.0	-227.033	
								18.0	54.568	80.0	-222.929	
								20.0	-21.823	90.0	-218.893	
								25.0	-135.449	100.0	-215.060	

BTAX RATE OF RETURN (PCT)	19.43	PROJECT LIFE (YEARS)	31.000		
BTAX PAYOUT	04/12/2002	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	03/26/2003	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	14.48	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	4.69	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	12/01/88	INITIAL NET GAS FRACTION	.638750		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750		
WATER GROSS PROD. (MU)	111.284	WATER NET PRODUCTION (MU)	71.083	WATER NET REVENUES (M$)	.000

101 ROSA UNIT #203 TEST

102 PROPNUM 85973-1

103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

```
117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
   120 1 88 12 09 01 1988 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	12/01/1988

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
306			
320	1.	6941.000	90.000
321	3.	4741.000	276.000
322	3.	9788.000	270.000
323	3.	2847.000	273.000
324	3.	3255.000	276.000
325	3.	81.000	93.000
326	3.	.000	.000
327	3.	.000	20.000
328	3.	.000	.000
329	3.	.000	.000
330	3.	.000	.000
331	3.	.000	.000
332	3.	.000	.000
333	3.	.000	.000
334	3.	.000	.000
335	3.	.000	.000
336	3.	.000	.000
337	3.	.000	.000
338	3.	.000	.000
339	3.	.000	.000
340	3.	.000	.000
341	3.	.000	.000
342	3.	.000	.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	.000	.000
351	3.	.000	.000
352	3.	.000	.000
353	3.	.000	.000
354	3.	.000	.000
355	3.	.000	.000
356	3.	232.000	640.000
357	3.	178.000	1440.000
358	3.	563.000	1680.000
359	3.	1018.000	2560.000
360	3.	485.000	480.000
361	3.	106.000	560.000
362	3.	1103.000	2320.000
363	3.	982.000	3155.000
364	3.	11407.000	3620.000
365	3.	10436.000	3620.000
366	3.	14705.000	2420.000
367	3.	20482.000	3420.000
368	3.	32662.000	3460.000
369	3.	39052.000	3120.000
370	3.	45139.000	3520.000
371	3.	55200.000	3200.000
372	3.	64597.000	3200.000
373	3.	75678.000	3040.000
374	3.	79272.000	2400.000
375	3.	107595.000	3280.000
376	3.	115922.000	3040.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-9.925	1044.068	X	1.896	IYRS	D		
CALC	GAS	EXP	END=	-9.925	1044.068	1249.245	16.896	YRS	D	1495.877	MMCF
411	GAS	EXP		4.000	LAST	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.000	1249.245	1105.252	19.896	YRS	D	2783.356	MMCF
412	GAS	EXP		22.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	22.000	1105.252	.640	49.896	YRS	D	4406.077	MMCF
420	WATER	EXP		18.408	32.170	X	34.937	IYRS	D		
CALC	WATER	EXP	END=	18.408	32.170	.026	49.937	YRS	D	113.144	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9751 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1991.0 AD : 0 UNTIL 1998.0 AD THEN 3500 LIFE
```

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   629 CASE $AREA1788
 * 640 DATA GASP : 1.69 UNTIL 1989 AD
 * 641 1.67 UNTIL 1990 AD
 * 642 1.26 UNTIL 1991 AD
 * 643 1.65 UNTIL 1992 AD
 * 644 1.89 UNTIL 1993 AD
 * 645 1.63 UNTIL 1994 AD
 * 646 1.18 UNTIL 1995 AD
 * 647 1.39 UNTIL 1996 AD
 * 648 1.66 UNTIL 1997 AD
 * 649 2.32 UNTIL 1998 AD
 * 650 1.86 UNTIL 1999 AD
 * 651 2.06 UNTIL 2000 AD
 * 652 3.53 UNTIL 2001 AD
 * 653 3.50 UNTIL 2002 AD
 * 654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE

        INV NAME         INV. POINT        (G OR N)     TANG-M$   INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
        --------   --------------------    --------     -------   ---------   ---------   ---------   ---------
   805      INVEST      1989.000    AD          G         243.463     125.420        .000
   806      INVEST      1999.900    AD          G         192.855        .000        .000

   853 CASE $GATHNET88
 * 658 COMPUTE GASC = GASC / WI
 * 659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):          31.000
   GROSS GAS     (MMCF):        4319.833
   GROSS WATER     (MU):         111.284
```
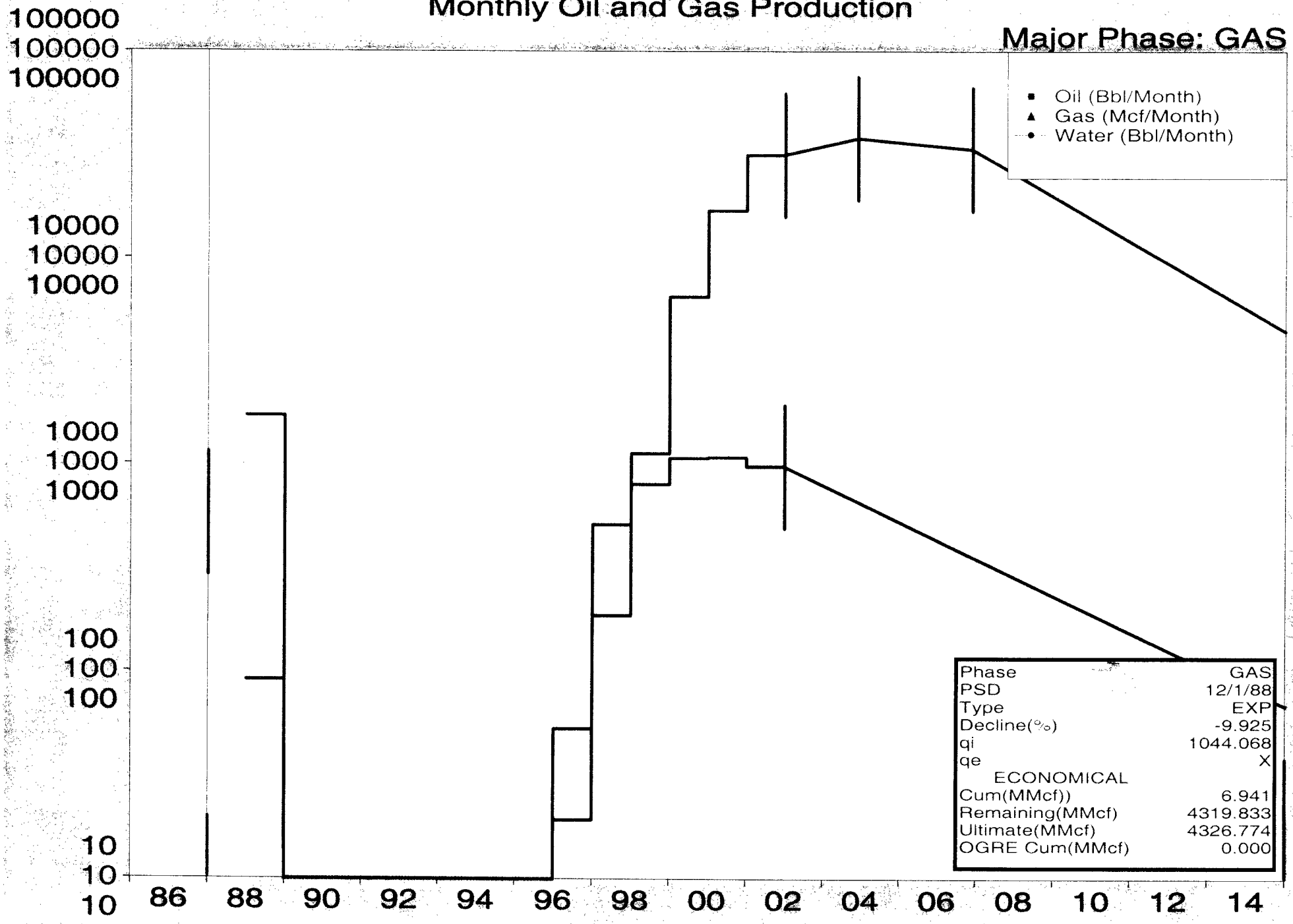

ROSA UNIT #203
31N 5W 18P

Monthly Oil and Gas Production



ROSA UNIT #204
PROPNUM 85974-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/19/03
TIME: 04:49:58
FILE: FTC_COM
PROP: 4
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1988

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-89	.000	.764	.000	.669	.00	1.53	1.021	.101	9.871	294.145	-303.096	-292.892
12-90	.000	.007	.000	.006	.00	1.15	.007	.001	6.105	.000	-6.099	-298.188
12-91	.000	.000	.000	.000	.00	1.51	.000	.000	.000	.000	.000	-298.188
12-92	.000	.000	.000	.000	.00	1.73	.000	.000	2.135	.000	-2.135	-299.778
12-93	.000	.000	.000	.000	.00	1.49	.000	.000	5.320	.000	-5.320	-303.445
12-94	.000	.000	.000	.000	.00	1.08	.000	.000	.000	.000	.000	-303.445
12-95	.000	.000	.000	.000	.00	1.27	.000	.000	.000	.000	.000	-303.445
12-96	.000	.000	.000	.000	.00	1.52	.000	.000	.000	.000	.000	-303.445
12-97	.000	.000	.000	.000	.00	2.12	.000	.000	2.600	.000	-2.600	-304.762
12-98	.000	.549	.000	.480	.00	1.70	.816	.080	16.195	.000	-15.459	-312.015
12-99	.000	8.725	.000	7.634	.00	1.88	14.368	1.424	56.000	234.592	-277.648	-430.304
12-00	.000	42.362	.000	37.067	.00	3.23	119.548	11.847	74.051	.000	33.650	-416.769
12-01	.000	85.569	.000	74.873	.00	3.20	239.427	23.727	83.403	.000	132.297	-367.496
12-02	.000	91.202	.000	79.802	.00	3.20	255.188	25.289	83.004	.000	146.895	-316.838
12-03	.000	95.824	.000	83.846	.00	3.20	268.120	26.571	83.134	.000	158.415	-266.254
12-04	.000	100.616	.000	88.039	.00	3.20	281.528	27.900	82.342	.000	171.286	-215.612
12-05	.000	104.641	.000	91.561	.00	3.20	292.791	29.015	81.754	.000	182.022	-165.782
12-06	.000	101.782	.000	89.059	.00	3.20	284.790	28.223	79.106	.000	177.461	-120.799
12-07	.000	97.708	.000	85.495	.00	3.20	273.393	27.093	76.335	.000	169.965	-80.908
12-08	.000	87.086	.000	76.200	.00	3.20	243.670	24.147	71.490	.000	148.033	-48.738
12-09	.000	72.281	.000	63.246	.00	3.20	202.246	20.042	65.364	.000	116.840	-25.227
12-10	.000	59.994	.000	52.495	.00	3.20	167.867	16.636	60.296	.000	90.935	-8.284
12-11	.000	49.795	.000	43.571	.00	3.20	139.330	13.808	56.107	.000	69.415	3.691
12-12	.000	41.330	.000	36.164	.00	3.20	115.644	11.460	52.637	.000	51.547	11.925
12-13	.000	34.303	.000	30.015	.00	3.20	95.981	9.511	49.768	.000	36.702	17.353
12-14	.000	28.472	.000	24.913	.00	3.20	79.666	7.895	47.396	.000	24.375	20.691
12-15	.000	23.632	.000	20.678	.00	3.20	66.123	6.553	45.434	.000	14.136	22.483
12-16	.000	19.614	.000	17.162	.00	3.20	54.880	5.438	43.807	.000	5.635	23.145
S TOT	.000	1146.256	.000	1002.975	.00	3.19	3196.404	316.761	1233.654	528.737	1117.252	23.145
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	23.145
TOTAL	.000	1146.256	.000	1002.975	.00	3.19	3196.404	316.761	1233.654	528.737	1117.252	23.145
CUM.	.000	1.392		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				3196.404				
ULT.	.000	1147.648		TOTAL REVENUES (M$)				3196.404				

BTAX RATE OF RETURN (PCT)	8.49	PROJECT LIFE (YEARS)	28.000		--------PRESENT WORTH PROFILE--------			
BTAX PAYOUT	10/28/2004	DISCOUNT RATE (PCT)	8.000		DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT (DISC)	09/10/2011	GROSS OIL WELLS	.000		.0	1117.252	30.0	-269.423
BTAX NET INCOME/INVEST	3.11	GROSS GAS WELLS	1.000		5.0	253.395	40.0	-265.800
BTAX NET INCOME/INVEST (DISC)	1.06	GROSS WELLS	2.000		8.0	23.145	45.0	-262.012
					10.0	-71.422	50.0	-257.981
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		12.0	-136.316	60.0	-250.108
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		15.0	-197.705	70.0	-242.896
PRODUCTION START DATE	10/01/88	INITIAL NET GAS FRACTION	.875000		18.0	-232.576	80.0	-236.368
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		20.0	-246.809	90.0	-230.434
					25.0	-264.633	100.0	-225.004
WATER GROSS PROD. (MU)	67.515	WATER NET PRODUCTION (MU)	59.075		WATER NET REVENUES (M$)		.000	

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101 ROSA UNIT #204
102 PROPNUM 85974-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
   120 1 88 12 09 01 1988 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	10/01/1988

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	3.	1392.000	.000
320	3.	515.000	.000
321	3.	.000	.000
322	3.	66.000	.000
323	3.	183.000	.000
324	3.	7.000	.000
325	3.	.000	.000
326	3.	.000	1399.000
327	3.	.000	1042.000
328	3.	.000	.000
329	3.	.000	.000
330	3.	.000	.000
331	3.	.000	.000
332	3.	.000	.000
333	3.	.000	.000
334	3.	.000	210.000
335	3.	.000	644.000
336	3.	.000	630.000
337	3.	.000	637.000
338	3.	.000	644.000
339	3.	.000	217.000
340	3.	.000	.000
341	3.	.000	.000
342	3.	.000	.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	.000	.000
351	3.	.000	.000
352	3.	.000	.000
353	3.	.000	.000
354	3.	.000	.000
355	3.	.000	.000
356	3.	.000	1040.000
357	3.	39.000	1520.000
358	3.	178.000	1920.000
359	3.	137.000	2480.000
360	3.	195.000	480.000
361	3.	90.000	160.000
362	3.	510.000	1840.000
363	3.	1754.000	1900.000
364	3.	6371.000	2860.000
365	3.	9548.000	2920.000
366	3.	12237.000	1540.000
367	3.	14106.000	2580.000
368	3.	6471.000	2160.000
369	3.	11773.000	1520.000
370	3.	22049.000	1520.000
371	3.	24717.000	1840.000
372	3.	27030.000	1920.000
373	3.	23292.000	1760.000
374	3.	22894.000	1280.000
375	3.	23976.000	1520.000
376	3.	21040.000	1280.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
411	GAS	EXP		-5.000	256.180	X	2.540	IYRS	D		
CALC	GAS	EXP	END=	-5.000	256.180	289.979	17.540	YRS	D	483.418	MMCF
412	GAS	EXP		4.000	LAST	X	2.440	IYRS	D		
CALC	GAS	EXP	END=	4.000	289.979	262.487	19.980	YRS	D	729.228	MMCF
413	GAS	EXP		17.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	17.000	262.487	.981	49.980	YRS	D	1241.492	MMCF
420	WATER	EXP		19.050	15.910	X	33.980	IYRS	D		
CALC	WATER	EXP	END=	19.050	15.910	.012	48.980	YRS	D	68.920	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9698 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1989.8 AD : 0 UNTIL 1999.0 AD THEN 3000 LIFE
```

```
   629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE

         INV NAME          INV. POINT          (G OR N)      TANG-M$    INTANG-M$    LSEHLD-M$    RISK FRAC    OVHD FLAG
         --------     --------------------     --------      -------    ---------    ---------    ---------    ---------
   805      INVEST      1989.100    AD             G          140.145      154.000         .000
   806 ! CAVITATE
   806      INVEST      1999.800    AD             G           24.500      210.092         .000

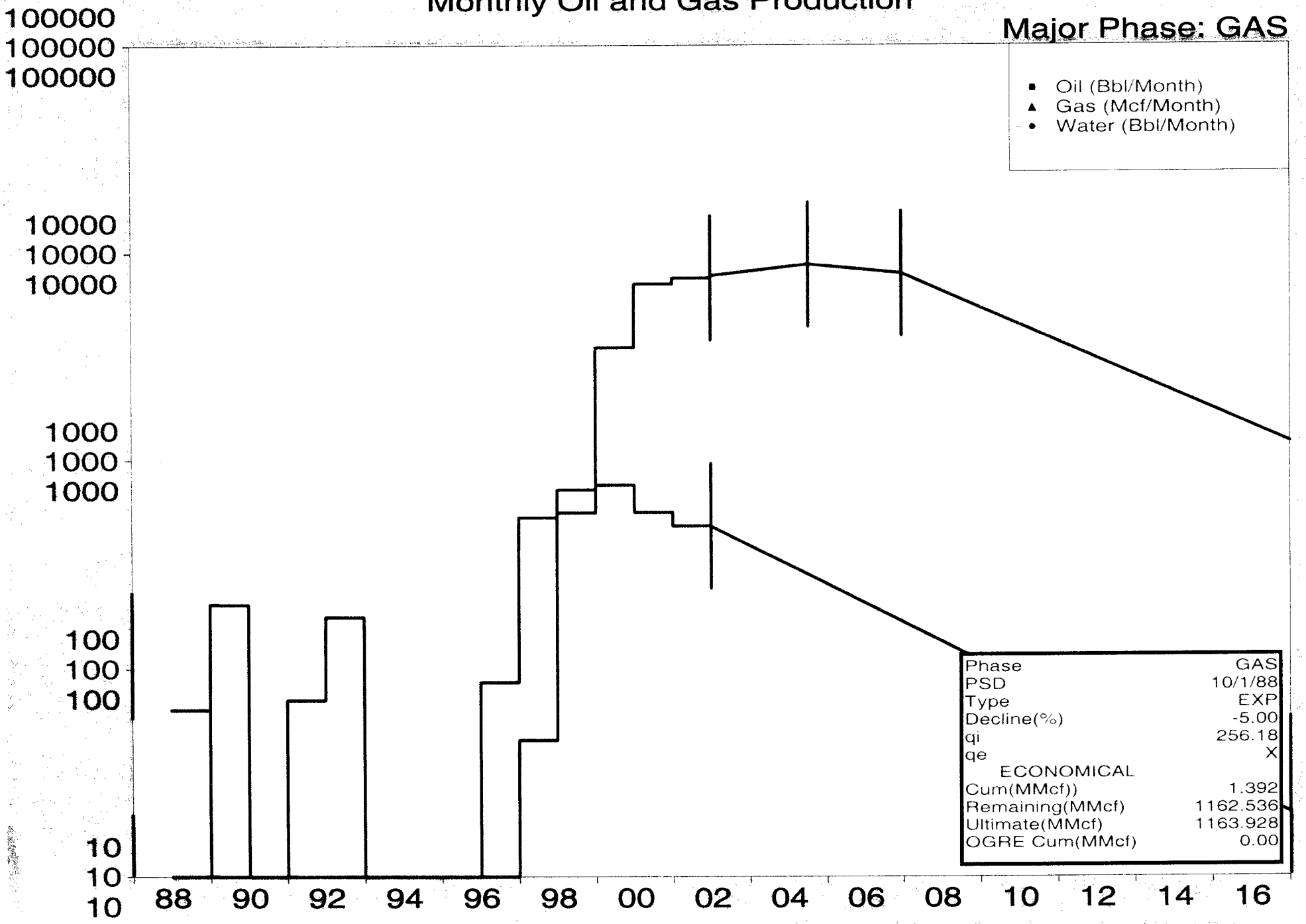
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):          28.000
   GROSS GAS     (MMCF):        1146.256
   GROSS WATER     (MU):          67.515
```

ROSA UNIT #204 4
31N 5W 19G

Monthly Oil and Gas Production



ROSA UNIT #206
PROPNUM 85976-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 07/25/03
TIME: 05:01:35
FILE: FTC_COM
PROP: 5
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JANUARY 1, 1987

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-88	.000	8.327	.000	5.319	.00	1.57	8.355	.828	4.387	285.612	-282.472	-244.040
12-89	.000	16.569	.000	10.583	.00	1.55	16.427	1.627	13.132	7.284	-5.616	-248.813
12-90	.000	.604	.000	.386	.00	1.17	.452	.045	18.243	.000	-17.836	-262.437
12-91	.000	.000	.000	.000	.00	1.53	.000	.000	8.760	.000	-8.760	-268.633
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	1.559	.000	-1.559	-269.654
12-93	.000	.000	.000	.000	.00	1.52	.000	.000	3.884	.000	-3.884	-272.009
12-94	.000	.000	.000	.000	.00	1.10	.000	.000	.000	.000	.000	-272.009
12-95	.000	.000	.000	.000	.00	1.29	.000	.000	.000	.000	.000	-272.009
12-96	.000	.000	.000	.000	.00	1.54	.000	.000	.000	.000	.000	-272.009
12-97	.000	.120	.000	.077	.00	2.16	.166	.017	39.890	18.130	-57.871	-297.815
12-98	.000	5.640	.000	3.603	.00	1.73	6.229	.618	91.132	.000	-85.521	-333.109
12-99	.000	53.276	.000	34.030	.00	1.91	65.158	6.457	80.232	169.316	-190.847	-406.535
12-00	.000	121.639	.000	77.697	.00	3.28	254.928	25.264	104.585	.000	125.079	-362.280
12-01	.000	141.589	.000	90.440	.00	3.25	294.216	29.156	103.863	.000	161.197	-309.470
12-02	.000	138.377	.000	88.388	.00	3.25	287.541	28.496	101.409	.000	157.636	-261.652
12-03	.000	135.927	.000	86.823	.00	3.25	282.450	27.991	97.004	.000	157.455	-217.427
12-04	.000	132.923	.000	84.905	.00	3.25	276.210	27.373	91.770	.000	157.067	-176.579
12-05	.000	129.986	.000	83.029	.00	3.25	270.107	26.768	87.201	.000	156.138	-138.981
12-06	.000	127.113	.000	81.193	.00	3.25	264.134	26.176	83.202	.000	154.756	-104.476
12-07	.000	118.240	.000	75.526	.00	3.25	245.699	24.349	78.092	.000	143.258	-74.901
12-08	.000	101.772	.000	65.007	.00	3.25	211.479	20.957	71.382	.000	119.140	-52.127
12-09	.000	87.523	.000	55.905	.00	3.25	181.868	18.023	65.602	.000	98.243	-34.738
12-10	.000	75.270	.000	48.079	.00	3.25	156.409	15.500	60.642	.000	80.267	-21.583
12-11	.000	64.732	.000	41.348	.00	3.25	134.512	13.330	56.387	.000	64.795	-11.751
12-12	.000	55.669	.000	35.559	.00	3.25	115.679	11.464	52.737	.000	51.478	-4.518
12-13	.000	47.876	.000	30.581	.00	3.25	99.485	9.859	49.604	.000	40.022	.689
12-14	.000	41.174	.000	26.300	.00	3.25	85.558	8.479	46.915	.000	30.164	4.323
12-15	.000	35.409	.000	22.617	.00	3.25	73.577	7.292	44.609	.000	21.676	6.741
12-16	.000	30.451	.000	19.451	.00	3.25	63.277	6.271	42.630	.000	14.376	8.226
12-17	.000	26.189	.000	16.728	.00	3.25	54.419	5.393	40.932	.000	8.094	9.000
12-18	.000	22.522	.000	14.386	.00	3.25	46.800	4.638	39.474	.000	2.688	9.238
S TOT	.000	1718.917	.000	1097.960	.00	3.18	3495.135	346.371	1579.259	480.342	1089.163	9.238
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	9.238
TOTAL	.000	1718.917	.000	1097.960	.00	3.18	3495.135	346.371	1579.259	480.342	1089.163	9.238
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				3495.135				
ULT.	.000	1718.917		TOTAL REVENUES (M$)				3495.135				

BTAX RATE OF RETURN (PCT)	8.23	PROJECT LIFE (YEARS)	31.000		
BTAX PAYOUT	04/30/2004	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	11/13/2013	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	3.27	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	1.03	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/88	INITIAL NET GAS FRACTION	.638750		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750		
WATER GROSS PROD. (MU)	231.623	WATER NET PRODUCTION (MU)	147.949	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	1089.163	30.0	-183.411
2.0	624.417	35.0	-172.319
5.0	219.506	40.0	-160.968
8.0	9.238	45.0	-150.221
10.0	-71.123	50.0	-140.335
12.0	-122.571	60.0	-123.196
15.0	-166.073	70.0	-109.075
18.0	-185.915	80.0	-97.345
20.0	-191.551	90.0	-87.475
25.0	-191.890	100.0	-79.083

```
101 ROSA UNIT #206
102 PROPNUM 85976-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 87 12 01 01 1987 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	10/01/1988

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	3.	8327.000	.000
321	3.	4748.000	.000
322	3.	3626.000	.000
323	3.	6777.000	.000
324	3.	1418.000	.000
325	3.	247.000	.000
326	3.	.000	.000
327	3.	35.000	4126.000
328	3.	322.000	983.000
329	3.	.000	.000
330	3.	.000	.000
331	3.	.000	.000
332	3.	.000	.000
333	3.	.000	.000
334	3.	.000	.000
335	3.	.000	210.000
336	3.	.000	644.000
337	3.	.000	630.000
338	3.	.000	637.000
339	3.	.000	644.000
340	3.	.000	217.000
341	3.	.000	.000
342	3.	.000	.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	.000	.000
351	3.	.000	.000
352	3.	.000	.000
353	3.	.000	.000
354	3.	.000	.000
355	3.	.000	.000
356	3.	120.000	5040.000
357	3.	930.000	8400.000
358	3.	1649.000	12960.000
359	3.	2504.000	9520.000
360	3.	557.000	1440.000
361	3.	.000	.000
362	3.	6162.000	5790.000
363	3.	21679.000	7730.000
364	3.	25435.000	5940.000
365	3.	24788.000	6080.000
366	3.	24812.000	5360.000
367	3.	33048.000	5660.000
368	3.	38991.000	5820.000
369	3.	37416.000	4800.000
370	3.	36293.000	5160.000
371	3.	33367.000	4480.000
372	3.	34513.000	5200.000
373	3.	38237.000	4920.000
374	3.	36151.000	4800.000
375	3.	33779.000	4640.000
376	3.	30210.000	4400.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		2.210	376.580	X	4.110	IYRS	D		
CALC	GAS	EXP	END=	2.210	376.580	343.532	20.110	YRS	D	1025.900	MMCF
411	GAS	EXP		14.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	14.000	343.532	3.723	50.110	YRS	D	1848.257	MMCF
420	WATER	EXP		14.570	49.450	X	32.370	IYRS	D		
CALC	WATER	EXP	END=	14.570	49.450	.302	48.370	YRS	D	240.149	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9866 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1992.0 AD : 0 UNTIL 1997.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
```

```
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1988.900	AD	G	275.249	116.000	.000		
806	! INSTALL ROD PUMP								
806	INVEST	1989.200	AD	G	9.978	.000	.000		
807	! CHANGE PUMP								
807	INVEST	1997.800	AD	G	4.533	6.000	.000		
808	! CHANGE PUMP								
808	INVEST	1997.250	AD	G	.000	14.303	.000		
809	! CAVITATE								
809	INVEST	1999.400	AD	G	116.900	115.040	.000		

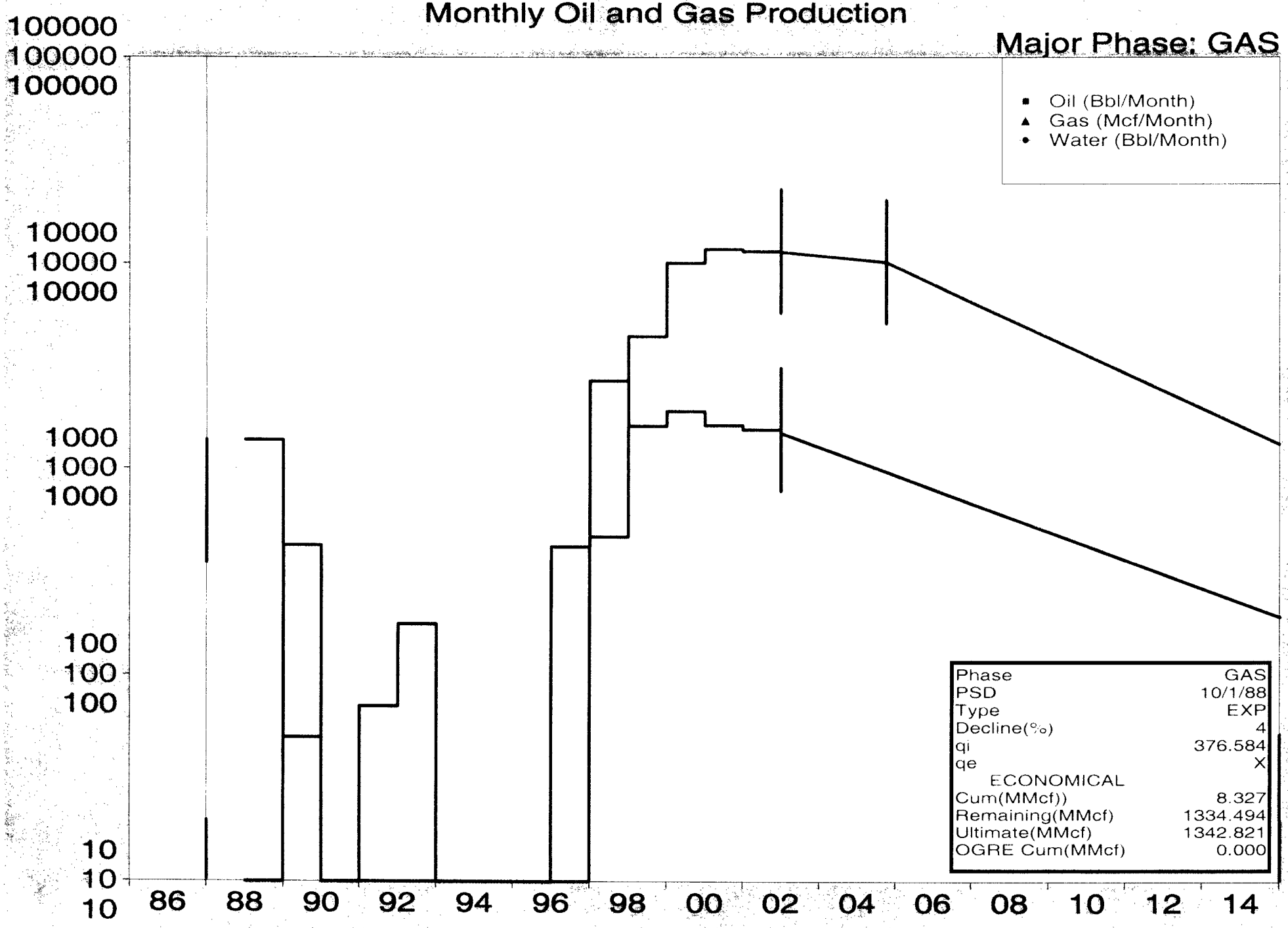
```
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):         31.000
   GROSS GAS     (MMCF):       1718.917
   GROSS WATER     (MU):        231.623
```

ROSA UNIT #206
31N 6W 24B

Monthly Oil and Gas Production



ROSA UNIT #207 TEST
PROPNUM 85975-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/19/03
TIME: 05:42:45
FILE: FTC_COM
PROP: 6
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF JANUARY 1, 1988

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-88	.000	11.137	.000	9.745	.00	1.58	15.441	1.531	7.061	416.443	-409.594	-394.319
12-89	.000	12.412	.000	10.861	.00	1.57	17.006	1.686	16.525	.000	-1.205	-395.393
12-90	.000	4.223	.000	3.695	.00	1.18	4.365	.433	14.675	.000	-10.743	-404.256
12-91	.000	.000	.000	.000	.00	1.55	.000	.000	12.000	.000	-12.000	-413.422
12-92	.000	.000	.000	.000	.00	1.77	.000	.000	4.270	.000	-4.270	-416.442
12-93	.000	.000	.000	.000	.00	1.53	.000	.000	10.640	.000	-10.640	-423.410
12-94	.000	.000	.000	.000	.00	1.11	.000	.000	.000	.000	.000	-423.410
12-95	.000	.000	.000	.000	.00	1.30	.000	.000	.000	.000	.000	-423.410
12-96	.000	.000	.000	.000	.00	1.56	.000	.000	.000	.000	.000	-423.410
12-97	.000	3.328	.000	2.912	.00	2.18	6.334	.628	34.413	.000	-28.707	-437.229
12-98	.000	5.324	.000	4.659	.00	1.74	8.125	.805	49.641	.000	-42.321	-456.092
12-99	.000	10.227	.000	8.949	.00	1.93	17.284	1.713	51.529	331.105	-367.063	-606.529
12-00	.000	24.788	.000	21.690	.00	3.31	71.786	7.114	60.488	.000	4.184	-604.930
12-01	.000	93.609	.000	81.908	.00	3.28	268.783	26.636	81.330	.000	160.817	-548.030
12-02	.000	90.391	.000	79.092	.00	3.28	259.542	25.721	81.457	.000	152.364	-498.114
12-03	.000	100.610	.000	88.034	.00	3.28	288.886	28.629	83.231	.000	177.026	-444.415
12-04	.000	117.049	.000	102.418	.00	3.28	336.087	33.306	86.532	.000	216.249	-383.677
12-05	.000	135.305	.000	118.392	.00	3.28	388.506	38.501	90.938	.000	259.067	-316.302
12-06	.000	136.721	.000	119.631	.00	3.28	392.572	38.903	89.564	.000	264.105	-252.705
12-07	.000	130.841	.000	114.486	.00	3.28	375.688	37.231	85.843	.000	252.614	-196.381
12-08	.000	125.216	.000	109.564	.00	3.28	359.537	35.630	82.467	.000	241.440	-146.536
12-09	.000	117.093	.000	102.456	.00	3.28	336.212	33.319	78.401	.000	224.492	-103.623
12-10	.000	103.325	.000	90.409	.00	3.28	296.679	29.401	72.451	.000	194.827	-69.139
12-11	.000	90.926	.000	79.560	.00	3.28	261.078	25.873	67.152	.000	168.053	-41.597
12-12	.000	80.015	.000	70.013	.00	3.28	229.749	22.768	62.524	.000	144.457	-19.676
12-13	.000	70.414	.000	61.612	.00	3.28	202.181	20.036	58.481	.000	123.664	-2.300
12-14	.000	61.963	.000	54.218	.00	3.28	177.918	17.632	54.942	.000	105.344	11.405
12-15	.000	54.528	.000	47.712	.00	3.28	156.568	15.516	51.849	.000	89.203	22.150
12-16	.000	47.985	.000	41.987	.00	3.28	137.781	13.654	49.144	.000	74.983	30.513
12-17	.000	42.227	.000	36.949	.00	3.28	121.249	12.015	46.774	.000	62.460	36.964
12-18	.000	37.159	.000	32.514	.00	3.28	106.695	10.574	44.706	.000	51.415	41.881
12-19	.000	32.700	.000	28.613	.00	3.28	93.894	9.304	42.891	.000	41.699	45.573
12-20	.000	28.776	.000	25.179	.00	3.28	82.625	8.188	41.302	.000	33.135	48.290
12-21	.000	25.323	.000	22.158	.00	3.28	72.712	7.206	39.911	.000	25.595	50.233
12-22	.000	22.285	.000	19.499	.00	3.28	63.986	6.341	38.693	.000	18.952	51.565
12-23	.000	19.610	.000	17.159	.00	3.28	56.308	5.580	37.628	.000	13.100	52.418
12-24	.000	17.257	.000	15.100	.00	3.28	49.551	4.911	36.690	.000	7.950	52.897
12-25	.000	15.186	.000	13.288	.00	3.28	43.605	4.321	35.870	.000	3.414	53.087
S TOT	.000	1867.953	.000	1634.462	.00	3.24	5298.733	525.106	1802.013	747.548	2224.066	53.087
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	53.087
TOTAL	.000	1867.953	.000	1634.462	.00	3.24	5298.733	525.106	1802.013	747.548	2224.066	53.087
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				5298.733				
ULT.	.000	1867.953		TOTAL REVENUES (M$)				5298.733				

						PRESENT WORTH PROFILE		
					DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)	8.68	PROJECT LIFE (YEARS)	38.000					
BTAX PAYOUT	09/05/2005	DISCOUNT RATE (PCT)	8.000		.0	2224.066	30.0	-373.656
BTAX PAYOUT (DISC)	02/28/2014	GROSS OIL WELLS	.000		5.0	462.224	40.0	-361.370
BTAX NET INCOME/INVEST	3.98	GROSS GAS WELLS	1.000		8.0	53.087	45.0	-353.937
BTAX NET INCOME/INVEST (DISC)	1.10	GROSS WELLS	2.000		10.0	-102.697	50.0	-346.736
					12.0	-203.663	60.0	-333.600
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		15.0	-292.661	70.0	-322.121
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		18.0	-338.575	80.0	-311.987
PRODUCTION START DATE	10/01/88	INITIAL NET GAS FRACTION	.875000		20.0	-355.503	90.0	-302.920
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		25.0	-372.895	100.0	-294.704
WATER GROSS PROD. (MU)	84.776	WATER NET PRODUCTION (MU)	74.182		WATER NET REVENUES (M$)		.000	

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101 ROSA UNIT #207 TEST
102 PROPNUM 85975-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 87 12 01 01 1988 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3000.00	1.000	GAS	10/01/1988

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN FACT	GAS	WATER
305		GAS	WATER
310		1.000	1.000
320	3.	11137.000	.000
321	3.	6471.000	.000
322	3.	1964.000	.000
323	3.	2635.000	.000
324	3.	1342.000	.000
325	3.	1453.000	.000
326	3.	.000	396.000
327	3.	889.000	58.000
328	3.	1881.000	.000
329	3.	.000	.000
330	3.	.000	.000
331	3.	.000	.000
332	3.	.000	.000
333	3.	.000	.000
334	3.	.000	.000
335	3.	.000	420.000
336	3.	.000	1288.000
337	3.	.000	1260.000
338	3.	.000	1274.000
339	3.	.000	1288.000
340	3.	.000	434.000
341	3.	.000	.000
342	3.	.000	.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	.000	.000
351	3.	.000	.000
352	3.	.000	.000
353	3.	.000	.000
354	3.	.000	.000
355	3.	.000	240.000
356	3.	3328.000	1040.000
357	3.	1640.000	1040.000
358	3.	1403.000	2680.000
359	3.	1392.000	2720.000
360	3.	889.000	640.000
361	3.	560.000	240.000
362	3.	1991.000	2320.000
363	3.	1917.000	1080.000
364	3.	5759.000	3480.000
365	3.	3094.000	2740.000
366	3.	7177.000	1420.000
367	3.	6289.000	2360.000
368	3.	8228.000	2060.000
369	3.	13669.000	1760.000
370	3.	24551.000	2080.000
371	3.	28002.000	1440.000
372	3.	27387.000	1600.000
373	3.	22808.000	2120.000
374	3.	21748.000	1520.000
375	3.	22757.000	1920.000
376	3.	23078.000	1840.000

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	-16.340	255.310	X	2.750	IYRS	D		
CALC	GAS	EXP	END= -16.340	255.310	387.100	18.750	YRS	D	573.273	MMCF
411	GAS	EXP	4.300	LAST	X	3.500	IYRS	D		
CALC	GAS	EXP	END= 4.300	387.100	331.906	22.250	YRS	D	1031.634	MMCF
412	GAS	EXP	12.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END= 12.000	331.906	7.170	52.250	YRS	D	1958.846	MMCF
420	WATER	EXP	16.260	19.790	X	33.480	IYRS	D		
CALC	WATER	EXP	END= 16.260	19.790	.052	49.480	YRS	D	85.357	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9952 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1992.0 AD : 0 UNTIL 1997.0 AD THEN 2500 LIFE
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   629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE

        INV NAME          INV. POINT          (G OR N)     TANG-M$   INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
        --------    --------------------      --------     -------   ---------   ---------   ---------   ---------
   805      INVEST      1988.500     AD            G        173.418     205.150      37.875
   806 ! RECAV
   806      INVEST      1999.600     AD            G         82.776     248.329        .000

   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):          38.000
   GROSS GAS     (MMCF):        1867.953
   GROSS WATER     (MU):          84.776
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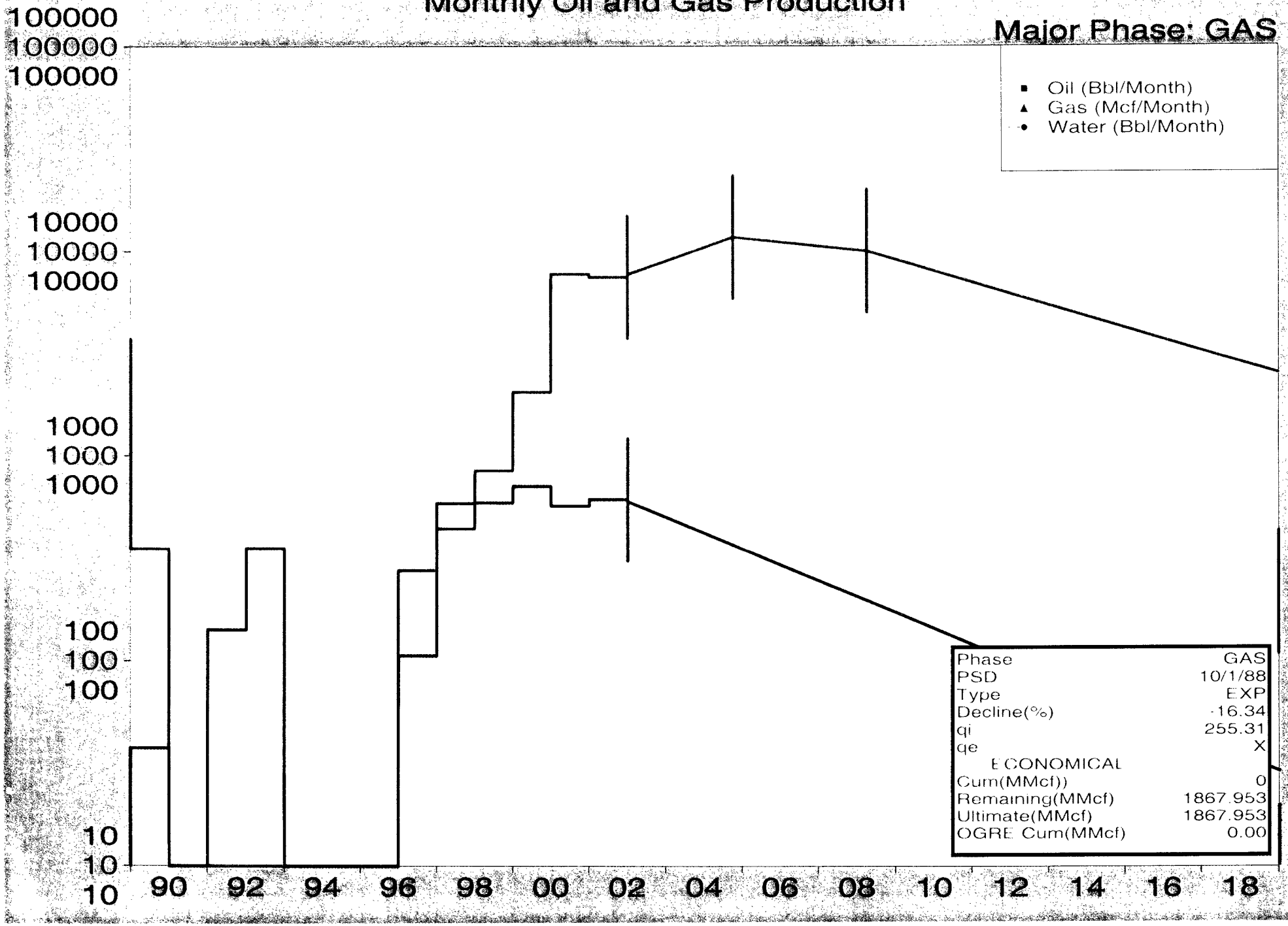
ROSA UNIT #207
31N 5W 17L
Monthly Oil and Gas Production



ROSA UNIT #208 TEST
PROPNUM 81196-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 07/25/03
TIME: 05:38:00
FILE: FTC_COM
PROP: 7
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JANUARY 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.962	.000	.600	.00	1.48	.889	.088	15.173	330.876	-345.248	-300.878
12-92	.000	.000	.000	.000	.00	1.70	.000	.000	12.556	.000	-12.556	-311.236
12-93	.000	.670	.000	.418	.00	1.46	.612	.061	11.263	.000	-10.712	-319.419
12-94	.000	3.233	.000	2.017	.00	1.06	2.137	.211	11.025	.000	-9.099	-325.855
12-95	.000	.000	.000	.000	.00	1.25	.000	.000	8.906	.000	-8.906	-331.687
12-96	.000	.000	.000	.000	.00	1.49	.000	.000	3.796	.000	-3.796	-333.989
12-97	.000	117.721	.000	73.427	.00	2.08	152.928	15.156	56.014	.000	81.758	-288.085
12-98	.000	117.235	.000	73.124	.00	1.67	122.100	12.100	112.386	155.989	-158.375	-371.046
12-99	.000	127.967	.000	79.818	.00	1.85	147.609	14.628	108.989	.000	23.992	-359.497
12-00	.000	132.619	.000	82.720	.00	3.17	262.138	25.977	103.375	.000	132.786	-300.313
12-01	.000	205.128	.000	127.947	.00	3.14	402.015	39.839	124.194	126.916	111.066	-253.479
12-02	.000	216.256	.000	134.888	.00	3.14	423.824	42.001	124.764	.000	257.059	-155.251
12-03	.000	236.278	.000	147.376	.00	3.14	463.062	45.890	125.270	.000	291.902	-51.971
12-04	.000	235.479	.000	146.878	.00	3.14	461.497	45.735	121.093	.000	294.669	44.565
12-05	.000	226.060	.000	141.003	.00	3.14	443.038	43.905	115.214	.000	283.919	130.689
12-06	.000	216.058	.000	134.764	.00	3.14	423.435	41.962	109.578	.000	271.895	207.057
12-07	.000	187.055	.000	116.674	.00	3.14	366.595	36.330	99.568	.000	230.697	267.054
12-08	.000	155.255	.000	96.839	.00	3.14	304.272	30.153	89.171	.000	184.948	311.590
12-09	.000	128.862	.000	80.376	.00	3.14	252.545	25.027	80.395	.000	147.123	344.393
12-10	.000	106.956	.000	66.713	.00	3.14	209.615	20.773	72.979	.000	115.863	368.313
12-11	.000	88.773	.000	55.371	.00	3.14	173.978	17.241	66.710	.000	90.027	385.522
12-12	.000	73.681	.000	45.958	.00	3.14	144.402	14.310	61.404	.000	68.688	397.680
12-13	.000	61.156	.000	38.145	.00	3.14	119.853	11.878	56.907	.000	51.068	406.049
12-14	.000	50.759	.000	31.660	.00	3.14	99.477	9.858	53.096	.000	36.523	411.591
12-15	.000	42.130	.000	26.278	.00	3.14	82.567	8.182	49.860	.000	24.525	415.037
12-16	.000	34.968	.000	21.811	.00	3.14	68.531	6.792	47.107	.000	14.632	416.941
12-17	.000	29.024	.000	18.103	.00	3.14	56.880	5.637	44.769	.000	6.474	417.721
S TOT	.000	2794.285	.000	1742.908	.00	2.97	5183.999	513.734	1885.562	613.781	2170.922	417.721
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	417.721
TOTAL	.000	2794.285	.000	1742.908	.00	2.97	5183.999	513.734	1885.562	613.781	2170.922	417.721
CUM.	.000	4.904		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			5183.999	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	2799.189		TOTAL REVENUES (M$)			5183.999	RATE	BTAX, M$	RATE	BTAX, M$	
								.0	2170.922	30.0	-183.127	
BTAX RATE OF RETURN (PCT)		14.86	PROJECT LIFE (YEARS)				27.000	2.0	1481.565	35.0	-187.010	
BTAX PAYOUT		10/10/2002	DISCOUNT RATE (PCT)				8.000	5.0	815.049	40.0	-183.966	
BTAX PAYOUT (DISC)		07/15/2004	GROSS OIL WELLS				.000	8.0	417.721	45.0	-177.673	
BTAX NET INCOME/INVEST		4.54	GROSS GAS WELLS				1.000	10.0	244.469	50.0	-169.999	
BTAX NET INCOME/INVEST (DISC)		1.99	GROSS WELLS				2.000	12.0	119.736	60.0	-153.841	
INITIAL W.I. FRACTION		.730000	INITIAL NET OIL FRACTION				.000000	15.0	-5.658	70.0	-138.742	
FINAL W.I. FRACTION		.730000	FINAL NET OIL FRACTION				.000000	18.0	-82.853	80.0	-125.382	
PRODUCTION START DATE		7/01/90	INITIAL NET GAS FRACTION				.623740	20.0	-116.876	90.0	-113.758	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.623740	25.0	-164.900	100.0	-103.663	
WATER GROSS PROD. (MU)		292.153	WATER NET PRODUCTION (MU)				182.228	WATER NET REVENUES (M$)			.000	

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101 ROSA UNIT #208 TEST
102 PROPNUM 81196-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 01 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	7/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.62374000	3.650	9.000	1.0	
224	WATER	.000	.62374000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
331	3.	2535.000	1896.000
332	3.	2369.000	2420.000
333	3.	897.000	1732.000
334	3.	65.000	1651.000
335	3.	.000	.000
336	3.	.000	.000
337	3.	.000	.000
338	3.	.000	1314.000
339	3.	.000	518.000
340	3.	.000	248.000
341	3.	.000	.000
342	3.	.000	960.000
343	3.	.000	.000
344	3.	670.000	320.000
345	3.	699.000	160.000
346	3.	1791.000	480.000
347	3.	743.000	160.000
348	3.	.000	.000
349	3.	.000	80.000
350	3.	.000	.000
351	3.	.000	.000
352	3.	.000	.000
353	3.	.000	1360.000
354	3.	.000	560.000
355	3.	.000	160.000
356	3.	.000	.000
357	3.	.000	.000
358	3.	14811.000	1680.000
359	3.	56874.000	6240.000
360	3.	46036.000	6720.000
361	3.	32073.000	8085.000
362	3.	28009.000	7145.000
363	3.	27889.000	6285.000
364	3.	29264.000	7280.000
365	3.	32539.000	6400.000
366	3.	28600.000	5800.000
367	3.	28664.000	6370.000
368	3.	38164.000	6900.000
369	3.	30934.000	5640.000
370	3.	27423.000	6080.000
371	3.	25232.000	3680.000
372	3.	49030.000	6360.000
373	3.	45569.000	6080.000
374	3.	53043.000	5760.000
375	3.	53774.000	5600.000
376	3.	52742.000	5840.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-9.730	565.400	X	1.750	IYRS	D		
CALC	GAS	EXP	END=	-9.730	565.400	665.159	13.750	YRS	D	1102.586	MMCF
411	GAS	EXP		4.000	LAST	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.000	665.159	588.490	16.750	YRS	D	1788.102	MMCF
412	GAS	EXP		17.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	17.000	588.490	2.198	46.750	YRS	D	2936.585	MMCF
420	WATER	EXP		11.110	64.110	X	34.700	IYRS	D		
CALC	WATER	EXP	END=	11.110	64.110	1.077	46.700	YRS	D	323.320	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9529 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1996.0 AD : 0 UNTIL 1998.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
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*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

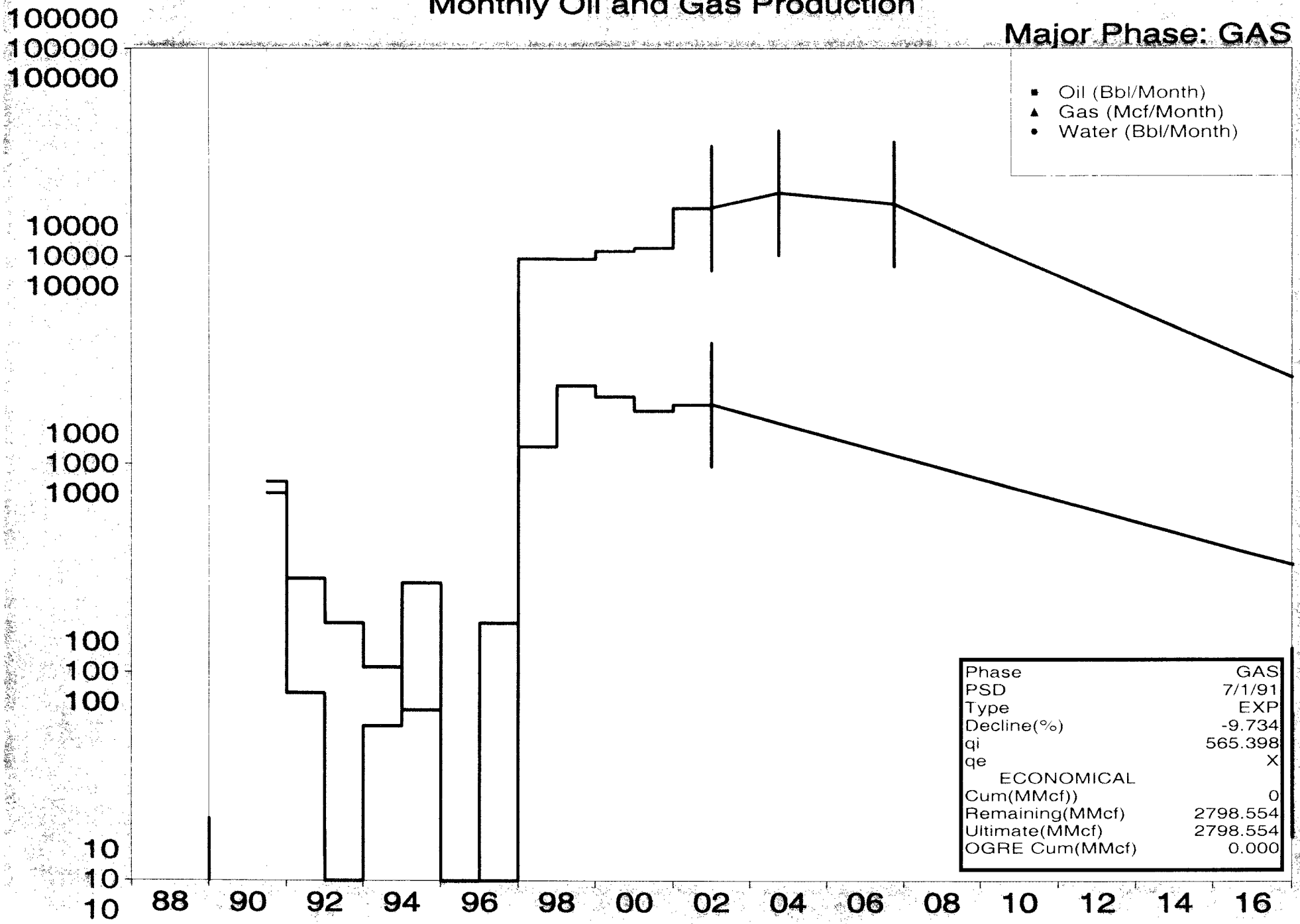
	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.800	AD	G	214.350	197.700	41.205		
806	! RECAV								
806	INVEST	1998.400	AD	G	113.683	100.000	.000		
807	! RECAV								
807	INVEST	2001.750	AD	G	73.858	100.000	.000		

```
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):        27.000
   GROSS GAS     (MMCF):      2794.285
   GROSS WATER     (MU):       292.153
```

ROSA UNIT #208
31N 6W 15N
Monthly Oil and Gas Production



ROSA UNIT #209
PROPNUM 81188-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 07/25/03
TIME: 05:49:14
FILE: FTC_COM
PROP: 9
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JANUARY 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-90	.000	.000	.000	.000	.00	1.18	.000	.000	.000	326.066	-326.066	-307.778
12-91	.000	.000	.000	.000	.00	1.55	.000	.000	.000	.000	.000	-307.778
12-92	.000	.000	.000	.000	.00	1.77	.000	.000	.000	.000	.000	-307.778
12-93	.000	2.174	.000	1.389	.00	1.53	2.125	.210	10.445	.000	-8.530	-314.294
12-94	.000	6.387	.000	4.080	.00	1.11	4.518	.448	17.470	.000	-13.400	-323.772
12-95	.000	6.329	.000	4.043	.00	1.30	5.274	.523	29.572	.000	-24.821	-340.027
12-96	.000	2.083	.000	1.331	.00	1.56	2.074	.206	28.742	.000	-26.874	-356.323
12-97	.000	6.226	.000	3.977	.00	2.18	8.659	.858	34.655	.000	-26.854	-371.401
12-98	.000	100.252	.000	64.036	.00	1.75	111.784	11.078	62.918	.000	37.788	-351.756
12-99	.000	179.893	.000	114.907	.00	1.93	222.156	22.016	97.241	125.720	-22.821	-362.741
12-00	.000	302.321	.000	193.108	.00	3.31	639.762	63.401	135.372	.000	440.989	-166.189
12-01	.000	300.779	.000	192.123	.00	3.28	631.089	62.541	133.572	.000	434.976	13.322
12-02	.000	226.205	.000	144.488	.00	3.28	474.617	47.035	112.535	.000	315.047	133.709
12-03	.000	222.758	.000	142.287	.00	3.28	467.387	46.318	109.695	.000	311.374	243.879
12-04	.000	207.722	.000	132.682	.00	3.28	435.836	43.191	103.508	.000	289.137	338.603
12-05	.000	193.701	.000	123.727	.00	3.28	406.421	40.276	97.836	.000	268.309	419.992
12-06	.000	169.623	.000	108.347	.00	3.28	355.900	35.270	89.696	.000	230.934	484.855
12-07	.000	139.092	.000	88.845	.00	3.28	291.840	28.922	80.031	.000	182.887	532.418
12-08	.000	114.055	.000	72.853	.00	3.28	239.309	23.716	71.997	.000	143.596	566.996
12-09	.000	93.525	.000	59.739	.00	3.28	196.232	19.447	65.314	.000	111.471	591.850
12-10	.000	76.690	.000	48.986	.00	3.28	160.910	15.946	59.752	.000	85.212	609.442
12-11	.000	62.886	.000	40.168	.00	3.28	131.945	13.076	55.117	.000	63.752	621.629
12-12	.000	51.567	.000	32.938	.00	3.28	108.195	10.723	51.246	.000	46.226	629.811
12-13	.000	42.285	.000	27.010	.00	3.28	88.723	8.792	48.016	.000	31.915	635.041
12-14	.000	34.673	.000	22.147	.00	3.28	72.749	7.209	45.315	.000	20.225	638.110
12-15	.000	28.433	.000	18.162	.00	3.28	59.659	5.912	43.051	.000	10.696	639.613
12-16	.000	23.314	.000	14.892	.00	3.28	48.918	4.848	41.155	.000	2.915	639.992
S TOT	.000	2592.973	.000	1656.265	.00	3.12	5166.082	511.962	1624.251	451.786	2578.083	639.992
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	639.992
TOTAL	.000	2592.973	.000	1656.265	.00	3.12	5166.082	511.962	1624.251	451.786	2578.083	639.992
CUM.	.000	.000										
ULT.	.000	2592.973										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	5166.082				
TOTAL REVENUES (M$)	5166.082				

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	2578.083	30.0	-198.861
2.0	1845.669	35.0	-220.965
5.0	1105.973	40.0	-231.104
8.0	639.992	45.0	-234.612
10.0	426.547	50.0	-234.406
12.0	266.491	60.0	-228.703
15.0	96.730	70.0	-220.427
18.0	-15.870	80.0	-211.737
20.0	-69.348	90.0	-203.384
25.0	-154.794	100.0	-195.590

BTAX RATE OF RETURN (PCT)	17.58	PROJECT LIFE (YEARS)	27.000		
BTAX PAYOUT	12/07/2000	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	12/04/2001	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	6.71	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	2.74	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	8/01/90	INITIAL NET GAS FRACTION	.638750		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750		
WATER GROSS PROD. (MU)	151.458	WATER NET PRODUCTION (MU)	96.748	WATER NET REVENUES (M$)	.000

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101 ROSA UNIT #209
102 PROPNUM 81188-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATPAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
120 1 89 12 01 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	8/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	32.	.000	.000
337	3.	230.000	135.000
338	3.	1191.000	368.000
339	3.	753.000	103.000
340	3.	1310.000	.000
341	3.	1786.000	1200.000
342	3.	971.000	1200.000
343	3.	2320.000	1440.000
344	3.	2668.000	1360.000
345	3.	3338.000	1520.000
346	3.	323.000	400.000
347	3.	.000	.000
348	3.	418.000	1005.000
349	3.	860.000	760.000
350	3.	297.000	400.000
351	3.	508.000	1280.000
352	3.	1105.000	1600.000
353	3.	1145.000	1200.000
354	3.	1316.000	1200.000
355	3.	2660.000	2080.000
356	3.	12682.000	1920.000
357	3.	28024.000	2160.000
358	3.	27417.000	1920.000
359	3.	32129.000	1840.000
360	3.	37804.000	1840.000
361	3.	35532.000	1200.000
362	3.	46085.000	3440.000
363	3.	60472.000	3740.000
364	3.	67396.000	3521.000
365	3.	69132.000	3220.000
366	3.	84935.000	3220.000
367	3.	80858.000	3280.000
368	3.	84480.000	3080.000
369	3.	79558.000	3200.000
370	3.	65724.000	3120.000
371	3.	71017.000	3080.000
372	3.	64633.000	3120.000
373	3.	53812.000	3040.000
374	3.	51028.000	2880.000
375	3.	56732.000	2800.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		6.750	631.870	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	6.750	631.870	512.359	17.000	YRS	D	1756.830	MMCF
411	GAS	EXP		18.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	18.000	512.359	1.330	47.000	YRS	D	2696.736	MMCF
420	WATER	EXP		11.070	31.320	X	32.980	IYRS	D		
CALC	WATER	EXP	END=	11.070	31.320	.654	46.980	YRS	D	168.279	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9962 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1993.0 AD : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
* 644 1.89 UNTIL 1993 AD
* 645 1.63 UNTIL 1994 AD
* 646 1.18 UNTIL 1995 AD
* 647 1.39 UNTIL 1996 AD
* 648 1.66 UNTIL 1997 AD
* 649 2.32 UNTIL 1998 AD
* 650 1.86 UNTIL 1999 AD
* 651 2.06 UNTIL 2000 AD
* 652 3.53 UNTIL 2001 AD
* 653 3.50 UNTIL 2002 AD
* 654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1990.750 AD	G	194.536	252.130	.000		
806	! RECAV							
806	INVEST	1999.500 AD	G	100.000	72.219	.000		

```
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON
```

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ECONOMIC LIFE  (YRS):        27.000
GROSS GAS     (MMCF):      2592.973
GROSS WATER     (MU):       151.458
```
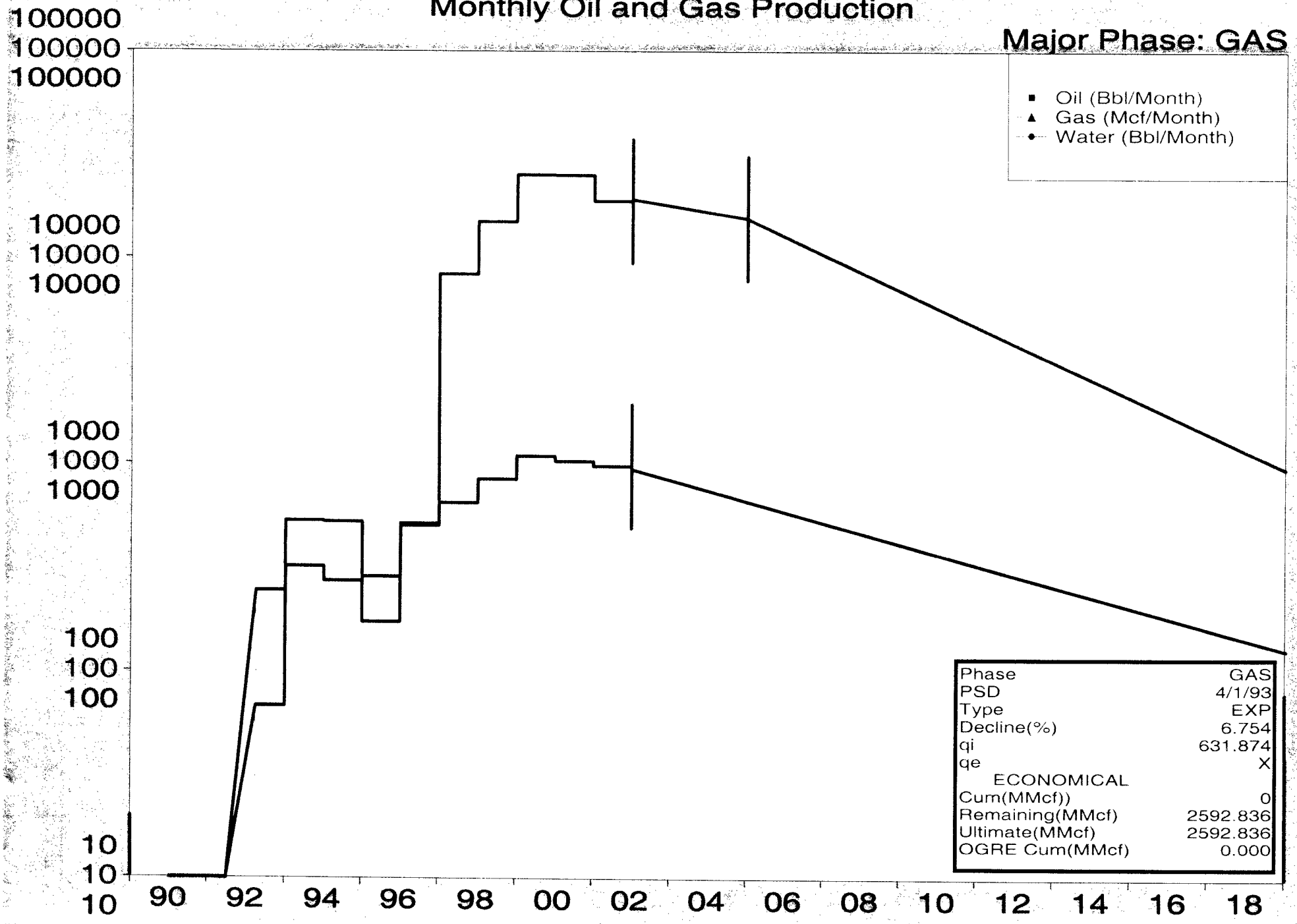

ROSA UNIT #209
31N 6W 24M
Monthly Oil and Gas Production



ROSA UNIT #210
PROPNUM 81414-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 07/25/03
TIME: 05:59:35
FILE: FTC_COM
PROP: 10
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JANUARY 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES--- OIL	GAS	--------OPERATIONS, M$-------- NET OPER	SEV+ADV	NET OPER	CAPITAL	CASH FLOW	8.00 PCT CUM. DISC
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	$/B	$/M	REVENUES	TAXES	EXPENSES	COSTS, M$	BTAX, M$	BTAX, M$
12-90	.000	.000	.000	.000	.00	1.17	.000	.000	.000	297.979	-297.979	-284.532
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	.000	.000	.000	-284.532
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	.000	.000	.000	-284.532
12-93	.000	.081	.000	.052	.00	1.52	.079	.008	.021	.000	.050	-284.494
12-94	.000	.060	.000	.038	.00	1.10	.042	.004	1.330	.000	-1.292	-285.408
12-95	.000	.262	.000	.167	.00	1.29	.216	.021	21.969	.000	-21.774	-299.668
12-96	.000	.474	.000	.303	.00	1.55	.469	.046	26.259	.000	-25.836	-315.334
12-97	.000	10.705	.000	6.838	.00	2.16	14.778	1.464	39.331	8.337	-34.354	-334.769
12-98	.000	85.809	.000	54.810	.00	1.73	94.968	9.411	58.754	.000	26.803	-320.835
12-99	.000	126.422	.000	80.752	.00	1.92	154.962	15.357	88.620	149.184	-98.199	-366.736
12-00	.000	93.582	.000	59.776	.00	3.29	196.565	19.480	95.120	.000	81.965	-330.204
12-01	.000	136.816	.000	87.391	.00	3.26	284.931	28.237	102.246	.000	154.448	-266.464
12-02	.000	143.089	.000	91.398	.00	3.26	297.996	29.532	103.540	.000	164.924	-203.443
12-03	.000	139.334	.000	89.000	.00	3.26	290.177	28.757	99.539	.000	161.881	-146.167
12-04	.000	132.367	.000	84.549	.00	3.26	275.665	27.319	93.806	.000	154.540	-95.538
12-05	.000	125.748	.000	80.322	.00	3.26	261.883	25.952	88.635	.000	147.296	-50.857
12-06	.000	116.232	.000	74.243	.00	3.26	242.063	23.989	83.115	.000	134.959	-12.951
12-07	.000	96.391	.000	61.570	.00	3.26	200.744	19.894	75.230	.000	105.620	14.517
12-08	.000	79.041	.000	50.487	.00	3.26	164.609	16.313	68.325	.000	79.971	33.774
12-09	.000	64.813	.000	41.399	.00	3.26	134.978	13.376	62.524	.000	59.078	46.946
12-10	.000	53.147	.000	33.948	.00	3.26	110.685	10.969	57.651	.000	42.065	55.630
12-11	.000	43.580	.000	27.837	.00	3.26	90.760	8.994	53.549	.000	28.217	61.024
12-12	.000	35.736	.000	22.826	.00	3.26	74.422	7.375	50.093	.000	16.954	64.025
12-13	.000	29.304	.000	18.718	.00	3.26	61.029	6.048	47.180	.000	7.801	65.303
12-14	.000	24.029	.000	15.349	.00	3.26	50.044	4.959	44.717	.000	.368	65.359
S TOT	.000	1537.022	.000	981.773	.00	3.06	3002.065	297.505	1361.554	455.500	887.506	65.359
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	65.359
TOTAL	.000	1537.022	.000	981.773	.00	3.06	3002.065	297.505	1361.554	455.500	887.506	65.359
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			3002.065					
ULT.	.000	1537.022		TOTAL REVENUES (M$)			3002.065					

BTAX RATE OF RETURN (PCT)	9.53	PROJECT LIFE (YEARS)	25.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT	04/25/2003	DISCOUNT RATE (PCT)	8.000	.0	887.506	30.0	-240.357
BTAX PAYOUT (DISC)	06/21/2007	GROSS OIL WELLS	.000	2.0	571.034	35.0	-243.096
BTAX NET INCOME/INVEST	2.95	GROSS GAS WELLS	1.000	5.0	257.392	40.0	-242.027
BTAX NET INCOME/INVEST (DISC)	1.18	GROSS WELLS	2.000	8.0	65.359	45.0	-239.088
				10.0	-20.070	50.0	-235.275
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000	12.0	-82.455	60.0	-226.860
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000	15.0	-146.189	70.0	-218.588
PRODUCTION START DATE	3/01/90	INITIAL NET GAS FRACTION	.638750	18.0	-186.171	80.0	-210.913
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750	20.0	-204.087	90.0	-203.894
				25.0	-229.966	100.0	-197.482
WATER GROSS PROD. (MU)	206.537	WATER NET PRODUCTION (MU)	131.925	WATER	NET REVENUES (M$)		.000

```
101 ROSA UNIT #210
102 PROPNUM 81414-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATFAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
120 1 89 12 01 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	3/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN FACT	GAS	WATER
305			
310		1.000	1.000
320	40.	.000	.000
339	3.	81.000	.000
340	3.	.000	.000
341	3.	60.000	.000
342	3.	.000	560.000
343	3.	.000	160.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	82.000	.000
347	3.	180.000	.000
348	3.	.000	.000
349	3.	.000	80.000
350	3.	.000	.000
351	3.	449.000	1200.000
352	3.	25.000	1040.000
353	3.	7005.000	2240.000
354	3.	1601.000	1920.000
355	3.	886.000	1760.000
356	3.	1213.000	2080.000
357	3.	298.000	1280.000
358	3.	27999.000	2400.000
359	3.	38938.000	1920.000
360	3.	18574.000	2160.000
361	3.	32946.000	2320.000
362	3.	47031.000	1760.000
363	3.	20240.000	1840.000
364	3.	26205.000	7520.000
365	3.	21579.000	5780.000
366	3.	21166.000	5500.000
367	3.	24001.000	5780.000
368	3.	26836.000	4700.000
369	3.	29590.000	4760.000
370	3.	32326.000	4640.000
371	3.	37343.000	5040.000
372	3.	37557.000	4960.000
373	3.	35377.000	4480.000
374	3.	36746.000	4720.000
375	3.	36786.000	5120.000
376	3.	34180.000	4880.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		5.000	391.610	X	3.380	IYRS	D		
CALC	GAS	EXP	END=	5.000	391.610	329.276	17.380	YRS	D	1040.868	MMCF
411	GAS	EXP		18.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	18.000	329.276	.855	47.380	YRS	D	1644.914	MMCF
420	WATER	EXP		12.150	51.270	X	33.360	IYRS	D		
CALC	WATER	EXP	END=	12.150	51.270	.681	47.360	YRS	D	235.144	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9888 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
* 644 1.89 UNTIL 1993 AD
* 645 1.63 UNTIL 1994 AD
* 646 1.18 UNTIL 1995 AD
* 647 1.39 UNTIL 1996 AD
* 648 1.66 UNTIL 1997 AD
* 649 2.32 UNTIL 1998 AD
* 650 1.86 UNTIL 1999 AD
* 651 2.06 UNTIL 2000 AD
* 652 3.53 UNTIL 2001 AD
* 653 3.50 UNTIL 2002 AD
* 654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
810	DRILL	1	G	0.000	0.000	0.000	1.000	
811	COMPLETE	1	G	0.000	0.000	0.000	1.000	

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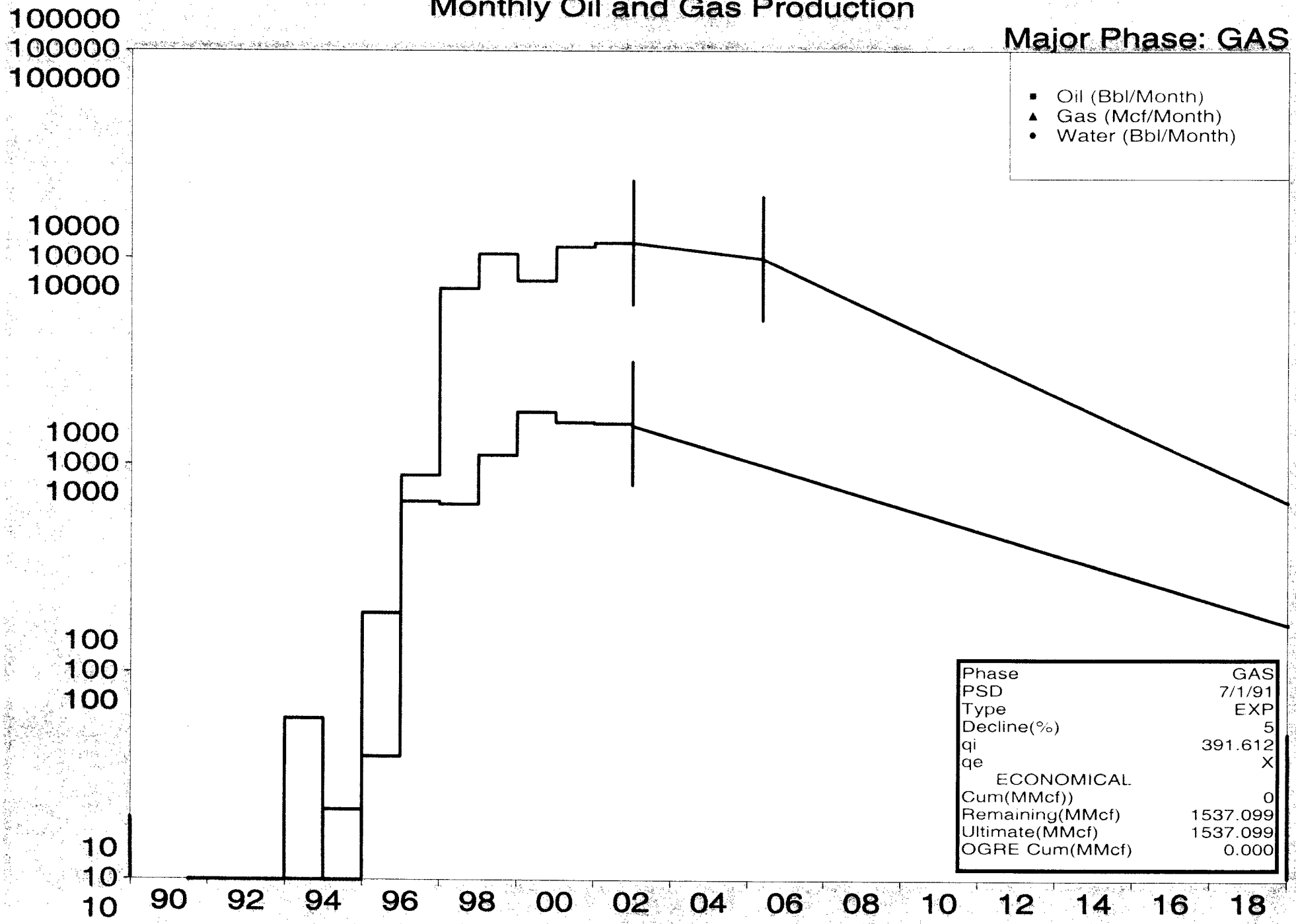
        --------    --------------------    --------     -------   ----------   ----------   ----------   ----------
  805      INVEST      1990.600    AD             G         214.100      167.590       26.500
  806 ! RECAV
  806      INVEST      1999.750    AD             G         104.361      100.000         .000
  807 ! CHANGE PUMP
  807      INVEST      1997.100    AD             G           5.421        6.000         .000

  853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

  855 NOLOSS = ON

  ECONOMIC LIFE  (YRS):          25.000
  GROSS GAS     (MMCF):        1537.022
  GROSS WATER     (MU):         206.537
```

ROSA UNIT #210
31N 6W 13M
Monthly Oil and Gas Production



ROSA UNIT #211
PROPNUM 81121-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 07/25/03
TIME: 06:09:37
FILE: FTC_COM
PROP: 11
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JANUARY 1, 1989

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-90	.000	33.069	.000	21.123	.00	1.14	24.179	2.396	29.068	345.940	-353.225	-324.350
12-91	.000	47.222	.000	30.163	.00	1.50	45.213	4.480	49.461	.000	-8.728	-331.550
12-92	.000	16.376	.000	10.460	.00	1.72	17.960	1.779	31.195	.000	-15.014	-343.019
12-93	.000	14.623	.000	9.340	.00	1.48	13.831	1.371	92.667	.000	-80.207	-399.748
12-94	.000	88.542	.000	56.556	.00	1.07	60.628	6.009	116.397	.000	-61.778	-440.206
12-95	.000	126.598	.000	80.864	.00	1.26	102.113	10.119	117.966	.000	-25.972	-455.955
12-96	.000	48.414	.000	30.924	.00	1.51	46.635	4.621	63.002	.000	-20.988	-467.739
12-97	.000	268.368	.000	171.420	.00	2.11	361.292	35.804	131.106	.000	194.382	-366.685
12-98	.000	252.478	.000	161.270	.00	1.69	272.506	27.006	119.058	.000	126.442	-305.820
12-99	.000	274.772	.000	175.511	.00	1.87	328.459	32.550	134.610	.000	161.299	-233.928
12-00	.000	275.541	.000	176.002	.00	3.21	564.419	55.934	136.068	.000	372.417	-80.234
12-01	.000	303.971	.000	194.161	.00	3.18	617.361	61.180	140.516	.000	415.665	78.601
12-02	.000	280.656	.000	179.269	.00	3.18	570.010	56.488	133.116	10.356	370.050	209.445
12-03	.000	272.524	.000	174.075	.00	3.18	553.495	54.852	130.116	.000	368.527	330.178
12-04	.000	256.173	.000	163.631	.00	3.18	520.287	51.561	123.570	.000	345.156	434.878
12-05	.000	239.184	.000	152.779	.00	3.18	485.781	48.141	117.046	.000	320.594	524.924
12-06	.000	202.672	.000	129.457	.00	3.18	411.626	40.792	105.658	.000	265.176	593.887
12-07	.000	166.192	.000	106.155	.00	3.18	337.534	33.450	94.438	.000	209.646	644.370
12-08	.000	136.276	.000	87.046	.00	3.18	276.774	27.429	85.051	.000	164.294	681.002
12-09	.000	111.748	.000	71.379	.00	3.18	226.959	22.491	77.191	.000	127.277	707.278
12-10	.000	91.632	.000	58.530	.00	3.18	186.104	18.443	70.591	.000	97.070	725.834
12-11	.000	75.139	.000	47.995	.00	3.18	152.607	15.124	65.036	.000	72.447	738.657
12-12	.000	61.614	.000	39.356	.00	3.18	125.138	12.401	60.351	.000	52.386	747.242
12-13	.000	50.523	.000	32.272	.00	3.18	102.613	10.169	56.390	.000	36.054	752.713
12-14	.000	41.429	.000	26.463	.00	3.18	84.143	8.339	53.029	.000	22.775	755.913
12-15	.000	33.972	.000	21.700	.00	3.18	68.998	6.838	50.176	.000	11.984	757.472
12-16	.000	27.857	.000	17.794	.00	3.18	56.578	5.607	47.739	.000	3.232	757.861
S TOT	.000	3797.565	.000	2425.695	.00	2.73	6613.243	655.374	2430.612	356.295	3170.962	757.861
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	757.861
TOTAL	.000	3797.565	.000	2425.695	.00	2.73	6613.243	655.374	2430.612	356.295	3170.962	757.861
CUM.	.000	.000										
ULT.	.000	3797.565										

		NET OIL REVENUES (M$)	.000		
		NET GAS REVENUES (M$)	6613.243		
		TOTAL REVENUES (M$)	6613.243		
BTAX RATE OF RETURN (PCT)	17.69	PROJECT LIFE (YEARS)	27.000		
BTAX PAYOUT	03/31/2000	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	07/11/2001	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	9.90	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	3.36	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/89	INITIAL NET GAS FRACTION	.638750		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750		
WATER GROSS PROD. (MU)	420.798	WATER NET PRODUCTION (MU)	268.784		

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	3170.961	30.0	-210.348
2.0	2245.409	35.0	-230.293
5.0	1325.870	40.0	-237.174
8.0	757.861	45.0	-237.082
10.0	501.946	50.0	-233.297
12.0	312.517	60.0	-221.056
15.0	114.861	70.0	-207.253
18.0	-13.460	80.0	-194.013
20.0	-73.186	90.0	-181.924
25.0	-165.682	100.0	-171.062

WATER NET REVENUES (M$) .000

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101 ROSA UNIT #211
102 PROPNUM 81121-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 89 12 01 01 1989 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	10/01/1989

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	6.	.000	.000
325	3.	9645.000	1827.000
326	3.	16818.000	2406.000
327	3.	6606.000	2222.000
328	3.	9908.000	4239.000
329	3.	13860.000	3979.000
330	3.	13828.000	3875.000
331	3.	9626.000	3536.000
332	3.	5628.000	2288.000
333	3.	5348.000	769.000
334	3.	2357.000	2631.000
335	3.	3043.000	4291.000
336	3.	5325.000	7521.000
337	3.	3846.000	10764.000
338	3.	198.000	13807.000
339	3.	5254.000	11818.000
340	3.	6105.000	9664.000
341	3.	7115.000	12312.000
342	3.	24476.000	9583.000
343	3.	50846.000	14908.000
344	3.	58120.000	15925.000
345	3.	61721.000	16720.000
346	3.	6757.000	2104.000
347	3.	.000	.000
348	3.	19902.000	6880.000
349	3.	10440.000	2960.000
350	3.	4426.000	2480.000
351	3.	13646.000	3360.000
352	3.	50326.000	4640.000
353	3.	76445.000	5880.000
354	3.	77238.000	5705.000
355	3.	64359.000	5690.000
356	3.	61619.000	4800.000
357	3.	69036.000	4500.000
358	3.	77898.000	5299.000
359	3.	43925.000	2960.000
360	3.	54342.000	3570.000
361	3.	78064.000	4400.000
362	3.	70098.000	5200.000
363	3.	72268.000	4960.000
364	3.	62296.000	4800.000
365	3.	63898.000	4260.000
366	3.	76756.000	4880.000
367	3.	72591.000	4880.000
368	3.	75883.000	3880.000
369	3.	81359.000	4640.000
370	3.	73283.000	4080.000
371	3.	73446.000	4640.000
372	3.	72951.000	4080.000
373	3.	72726.000	3840.000
374	3.	66408.000	4160.000
375	3.	68571.000	4400.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		6.000	769.980	X	2.680	IYRS	D		
CALC	GAS	EXP	END=	6.000	769.980	652.322	16.680	YRS	D	2724.688	MMCF
411	GAS	EXP		18.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	18.000	652.322	1.694	46.680	YRS	D	3921.353	MMCF
420	WATER	EXP		7.980	45.640	X	27.170	IYRS	D		
CALC	WATER	EXP	END=	7.980	45.640	4.765	41.170	YRS	D	462.411	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9643 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
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*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE

        INV NAME         INV. POINT         (G OR N)     TANG-M$   INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
        --------    --------------------    --------     -------   ---------   ---------   ---------   ---------
   805     INVEST      1990.100    AD           G         264.230     194.300      15.360
   806 ! INSTALL ROD PUMP
   806     INVEST      2002.200    AD           G          14.186        .000        .000

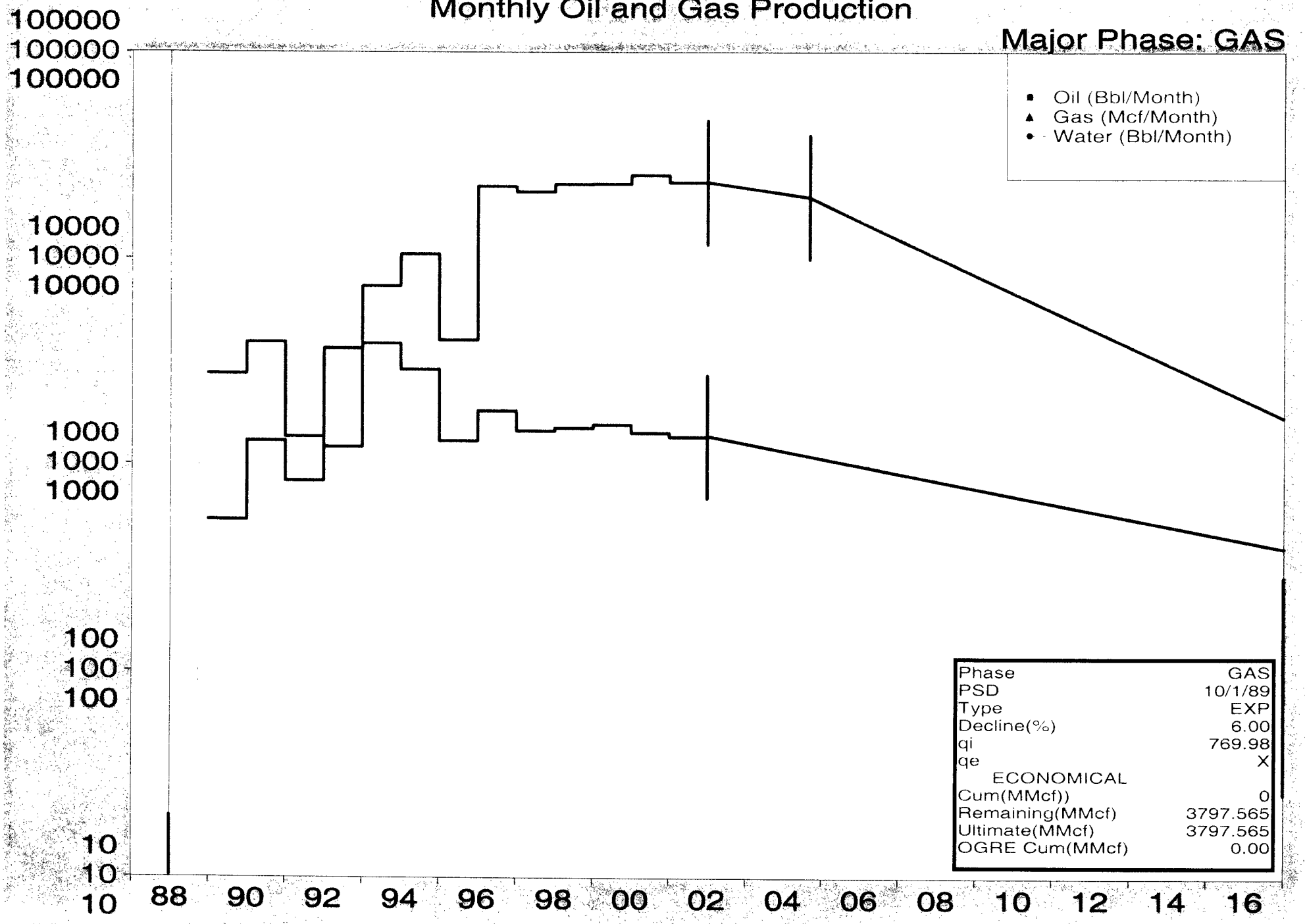
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):          27.000
   GROSS GAS     (MMCF):        3797.565
   GROSS WATER     (MU):         420.798
```

ROSA UNIT #211
31N 6W 26G

Monthly Oil and Gas Production



ROSA UNIT #212
PROPNUM 81372-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/20/03
TIME: 14:23:03
FILE: FTC_COM
PROP: 12
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	.000	.000	.000	.000
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	.000	.000	.000	.000
12-93	.000	2.001	.000	1.751	.00	1.52	2.657	.263	11.298	455.410	-464.314	-379.026
12-94	.000	6.391	.000	5.592	.00	1.10	6.144	.609	17.914	.000	-12.379	-388.242
12-95	.000	.294	.000	.257	.00	1.29	.333	.033	.106	.000	.194	-388.108
12-96	.000	.045	.000	.039	.00	1.55	.060	.006	4.016	.000	-3.962	-390.637
12-97	.000	.000	.000	.000	.00	2.16	.000	.000	6.200	.000	-6.200	-394.301
12-98	.000	58.886	.000	51.525	.00	1.73	89.231	8.843	39.071	.000	41.317	-371.691
12-99	.000	83.358	.000	72.938	.00	1.92	139.897	13.864	106.687	162.721	-143.375	-444.340
12-00	.000	41.902	.000	36.664	.00	3.29	120.504	11.942	106.297	.000	2.265	-443.277
12-01	.000	60.856	.000	53.249	.00	3.26	173.526	17.196	110.135	.000	46.195	-423.209
12-02	.000	72.076	.000	63.067	.00	3.26	205.521	20.367	111.897	.000	73.257	-393.742
12-03	.000	84.465	.000	73.907	.00	3.26	240.846	23.868	110.686	.000	106.292	-354.154
12-04	.000	100.227	.000	87.699	.00	3.26	285.791	28.322	107.748	.000	149.721	-302.522
12-05	.000	114.208	.000	99.932	.00	3.26	325.656	32.272	106.127	.000	187.257	-242.729
12-06	.000	111.413	.000	97.486	.00	3.26	317.685	31.483	99.945	.000	186.257	-187.661
12-07	.000	106.956	.000	93.587	.00	3.26	304.979	30.223	94.339	.000	180.417	-138.270
12-08	.000	101.065	.000	88.432	.00	3.26	288.180	28.558	89.116	.000	170.506	-95.050
12-09	.000	89.551	.000	78.357	.00	3.26	255.348	25.305	82.559	.000	147.484	-60.435
12-10	.000	78.805	.000	68.954	.00	3.26	224.705	22.268	76.823	.000	125.614	-33.137
12-11	.000	69.348	.000	60.680	.00	3.26	197.742	19.596	71.972	.000	106.174	-11.773
12-12	.000	61.026	.000	53.398	.00	3.26	174.012	17.245	67.854	.000	88.913	4.793
12-13	.000	53.704	.000	46.991	.00	3.26	153.133	15.176	64.353	.000	73.604	17.491
12-14	.000	47.259	.000	41.352	.00	3.26	134.757	13.354	61.359	.000	60.044	27.082
12-15	.000	41.587	.000	36.389	.00	3.26	118.583	11.751	58.793	.000	48.039	34.187
12-16	.000	36.598	.000	32.023	.00	3.26	104.356	10.342	56.594	.000	37.420	39.312
12-17	.000	32.205	.000	28.179	.00	3.26	91.829	9.101	54.701	.000	28.027	42.866
12-18	.000	28.341	.000	24.798	.00	3.26	80.811	8.008	53.065	.000	19.738	45.183
12-19	.000	24.940	.000	21.823	.00	3.26	71.116	7.047	51.650	.000	12.419	46.533
12-20	.000	21.947	.000	19.204	.00	3.26	62.581	6.201	50.426	.000	5.954	47.132
12-21	.000	9.966	.000	8.720	.00	3.26	28.416	2.816	24.806	.000	.794	47.207
S TOT	.000	1539.420	.000	1346.993	.00	3.12	4198.399	416.059	1896.537	618.131	1267.672	47.207
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	47.207
TOTAL	.000	1539.420	.000	1346.993	.00	3.12	4198.399	416.059	1896.537	618.131	1267.672	47.207
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				4198.399				
ULT.	.000	1539.420		TOTAL REVENUES (M$)				4198.399				

BTAX RATE OF RETURN (PCT)	8.93	PROJECT LIFE (YEARS)	30.500	.0	1267.672
BTAX PAYOUT	02/17/2006	DISCOUNT RATE (PCT)	8.000	2.0	761.296
BTAX PAYOUT (DISC)	09/17/2012	GROSS OIL WELLS	.000	5.0	300.395
BTAX NET INCOME/INVEST	3.05	GROSS GAS WELLS	1.000	8.0	47.207
BTAX NET INCOME/INVEST (DISC)	1.10	GROSS WELLS	2.000	10.0	-54.609
				12.0	-122.623
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000	15.0	-183.561
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000	18.0	-214.157
PRODUCTION START DATE	7/01/91	INITIAL NET GAS FRACTION	.875000	20.0	-224.245
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000	25.0	-229.413
WATER GROSS PROD. (MU)	157.658	WATER NET PRODUCTION (MU)	137.952	WATER NET REVENUES (M$)	.000

---PRESENT WORTH PROFILE---

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	1267.672	30.0	-220.409
2.0	761.296	35.0	-206.233
5.0	300.395	40.0	-190.744
8.0	47.207	45.0	-175.581
10.0	-54.609	50.0	-161.411
12.0	-122.623	60.0	-136.690
15.0	-183.561	70.0	-116.533
18.0	-214.157	80.0	-100.144
20.0	-224.245	90.0	-86.739
25.0	-229.413	100.0	-75.682

```
101 ROSA UNIT #212
102 PROPNUM 81372-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 09 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	7/01/1991

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	24.	.000	.000
339	3.	753.000	1959.000
340	3.	1248.000	2270.000
341	3.	3311.000	2720.000
342	3.	2685.000	2560.000
343	3.	395.000	960.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	.000	.000
347	3.	294.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	.000	.000
351	3.	.000	.000
352	3.	45.000	1600.000
353	3.	.000	2400.000
354	3.	.000	80.000
355	3.	.000	.000
356	3.	.000	.000
357	3.	.000	.000
358	3.	265.000	240.000
359	3.	34970.000	4540.000
360	3.	23651.000	2320.000
361	3.	25147.000	2960.000
362	3.	29223.000	2520.000
363	3.	14411.000	2840.000
364	3.	14577.000	5482.000
365	3.	12142.000	6180.000
366	3.	9566.000	3660.000
367	3.	11683.000	5070.000
368	3.	8511.000	4740.000
369	3.	10795.000	4480.000
370	3.	14668.000	4160.000
371	3.	17098.000	5120.000
372	3.	18295.000	4680.000
373	3.	17760.000	4720.000
374	3.	18276.000	4080.000
375	3.	18547.000	4720.000
376	3.	17493.000	4000.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-18.660	212.180	X	2.390	IYRS	D		
CALC	GAS	EXP	END=	-18.660	212.180	319.368	15.390	YRS	D	554.480	MMCF
411	GAS	EXP		4.000	LAST	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.000	319.368	282.557	18.390	YRS	D	883.622	MMCF
412	GAS	EXP		12.000	LAST	X	30.000	YRS	D		
CALC	GAS	EXP	END=	12.000	282.557	52.878	31.500	YRS	D	1539.420	MMCF
420	WATER	EXP		22.690	47.360	X	30.000	YRS	D		
CALC	WATER	EXP	END=	22.690	47.360	.405	31.500	YRS	D	157.658	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9883 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

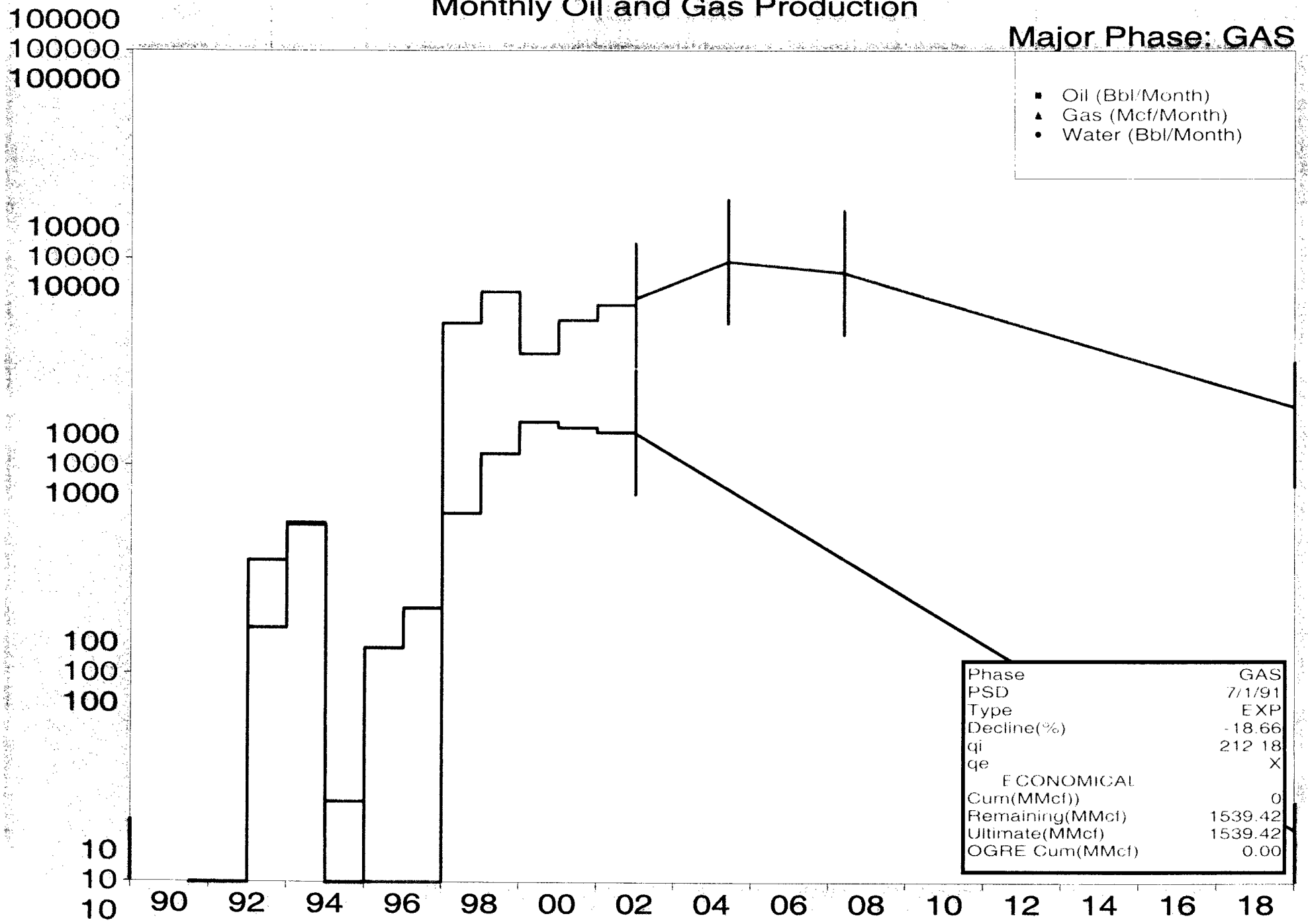
```
        INV NAME          INV. POINT          (G OR N)      TANG-M$    INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
        --------  ----------------------      --------      -------    ---------   ---------   ---------   ---------
  805      INVEST      1993.300     AD             G         215.510     198.500      41.400
  806 ! RECAVITATION
  806      INVEST      1999.500     AD             G          32.721     130.000        .000

  853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

  855 NOLO$S = ON
```

ROSA UNIT #212
31N 6W 14H

Monthly Oil and Gas Production



ROSA UNIT #213
PROPNUM 81122-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/04/03
TIME: 10:18:51
FILE: FTC_COM
PROP: 13
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF OCTOBER 1, 1989

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES--- OIL	GAS	--------OPERATIONS, M$-------- NET OPER	SEV+ADV	NET OPER	CAPITAL	CASH FLOW	8.00 PCT CUM. DISC
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	$/B	$/M	REVENUES	TAXES	EXPENSES	COSTS, M$	BTAX, M$	BTAX, M$
12-90	.000	43.501	.000	27.786	.00	1.16	32.208	3.192	43.589	315.126	-329.699	-322.877
12-91	.000	34.990	.000	22.350	.00	1.52	33.926	3.362	64.578	.000	-34.014	-352.605
12-92	.000	26.377	.000	16.848	.00	1.74	29.294	2.903	59.701	.000	-33.310	-379.561
12-93	.000	38.394	.000	24.524	.00	1.50	36.775	3.645	97.987	.000	-64.857	-428.159
12-94	.000	42.090	.000	26.885	.00	1.09	29.185	2.893	113.780	.000	-87.488	-488.859
12-95	.000	21.872	.000	13.971	.00	1.28	17.865	1.771	104.163	.000	-88.069	-545.436
12-96	.000	.497	.000	.317	.00	1.53	.484	.048	34.440	.000	-34.004	-565.662
12-97	.000	54.888	.000	35.060	.00	2.13	74.829	7.416	84.214	.000	-16.801	-574.915
12-98	.000	207.559	.000	132.578	.00	1.71	226.858	22.481	113.692	.000	90.685	-528.669
12-99	.000	227.447	.000	145.282	.00	1.90	275.327	27.284	131.068	127.916	-10.941	-534.021
12-00	.000	270.391	.000	172.712	.00	3.25	560.876	55.583	152.631	2.577	350.085	-380.962
12-01	.000	239.319	.000	152.865	.00	3.22	492.204	48.777	142.873	.000	300.554	-259.289
12-02	.000	167.208	.000	106.804	.00	3.22	343.894	34.079	116.175	4.365	189.275	-188.365
12-03	.000	163.574	.000	104.483	.00	3.22	336.421	33.339	112.819	.000	190.263	-122.329
12-04	.000	150.487	.000	96.124	.00	3.22	309.506	30.673	104.594	.000	174.239	-66.335
12-05	.000	138.449	.000	88.434	.00	3.22	284.745	28.218	97.227	.000	159.300	-18.934
12-06	.000	120.414	.000	76.914	.00	3.22	247.652	24.543	88.810	.000	134.299	18.068
12-07	.000	98.739	.000	63.070	.00	3.22	203.077	20.125	79.895	.000	103.057	44.359
12-08	.000	80.966	.000	51.717	.00	3.22	166.522	16.502	72.395	.000	77.625	62.695
12-09	.000	66.393	.000	42.409	.00	3.22	136.551	13.533	66.077	.000	56.941	75.149
12-10	.000	54.441	.000	34.774	.00	3.22	111.967	11.096	60.754	.000	40.117	83.273
12-11	.000	44.643	.000	28.516	.00	3.22	91.818	9.100	56.258	.000	26.460	88.235
12-12	.000	36.606	.000	23.382	.00	3.22	75.287	7.461	52.460	.000	15.366	90.903
12-13	.000	30.018	.000	19.174	.00	3.22	61.738	6.118	49.246	.000	6.374	91.928
S TOT	.000	2359.263	.000	1506.979	.00	2.77	4179.009	414.142	2099.426	449.984	1215.457	91.928
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	91.928
TOTAL	.000	2359.263	.000	1506.979	.00	2.77	4179.009	414.142	2099.426	449.984	1215.457	91.928
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			4179.009	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	2359.263		TOTAL REVENUES (M$)			4179.009	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		9.51	PROJECT LIFE (YEARS)				24.000	.0	1215.457	30.0	-356.982	
BTAX PAYOUT		11/16/2001	DISCOUNT RATE (PCT)				8.000	2.0	790.542	35.0	-361.311	
BTAX PAYOUT (DISC)		07/05/2006	GROSS OIL WELLS				.000	5.0	361.069	40.0	-359.683	
BTAX NET INCOME/INVEST		3.70	GROSS GAS WELLS				1.000	8.0	91.928	45.0	-355.162	
BTAX NET INCOME/INVEST (DISC)		1.25	GROSS WELLS				2.000	10.0	-30.077	50.0	-349.359	
								12.0	-120.403	60.0	-336.888	
INITIAL W.I. FRACTION		.730000	INITIAL NET OIL FRACTION				.000000	15.0	-214.111	70.0	-325.198	
FINAL W.I. FRACTION		.730000	FINAL NET OIL FRACTION				.000000	18.0	-273.915	80.0	-314.916	
PRODUCTION START DATE		11/01/89	INITIAL NET GAS FRACTION				.638750	20.0	-301.050	90.0	-306.012	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.638750	25.0	-340.783	100.0	-298.285	
WATER GROSS PROD. (MU)		488.757	WATER NET PRODUCTION (MU)				312.195	WATER NET REVENUES (M$)			.000	

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101 ROSA UNIT #213
102 PROPNUM 81122-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
   120 1 89 12 10 01 1989 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	11/01/1989

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
325	5.	.000	.000
326	3.	14941.000	3120.000
327	3.	13555.000	6240.000
328	3.	15005.000	3499.000
329	3.	9198.000	6296.000
330	3.	8411.000	7291.000
331	3.	8909.000	6623.000
332	3.	8472.000	5368.000
333	3.	7676.000	5409.000
334	3.	6233.000	3062.000
335	3.	6079.000	7427.000
336	3.	6389.000	8240.000
337	3.	8529.000	8955.000
338	3.	9509.000	10957.000
339	3.	10134.000	11878.000
340	3.	10222.000	11607.000
341	3.	10483.000	9387.000
342	3.	10766.000	13768.000
343	3.	10226.000	12736.000
344	3.	10615.000	15631.000
345	3.	11220.000	15084.000
346	3.	9674.000	15367.000
347	3.	978.000	6876.000
348	3.	.000	4619.000
349	3.	.000	.000
350	3.	.000	.000
351	3.	.000	.000
352	3.	497.000	6800.000
353	3.	6034.000	7040.000
354	3.	11162.000	8080.000
355	3.	16356.000	5700.000
356	3.	21336.000	5470.000
357	3.	27752.000	4905.000
358	3.	63957.000	4960.000
359	3.	69321.000	4400.000
360	3.	46529.000	6330.000
361	3.	49058.000	5520.000
362	3.	41358.000	3200.000
363	3.	61784.000	6430.000
364	3.	75247.000	7320.000
365	3.	71781.000	7700.000
366	3.	71643.000	6520.000
367	3.	64537.000	6740.000
368	3.	62430.000	7180.000
369	3.	62598.000	6720.000
370	3.	63151.000	7040.000
371	3.	58373.000	6640.000
372	3.	55197.000	6840.000
373	3.	48950.000	6400.000
374	3.	39192.000	4930.000
375	3.	41196.000	5600.000
376	3.	37870.000	6000.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		8.000	467.090	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	8.000	467.090	363.717	17.000	YRS	D	1827.043	MMCF
411	GAS	EXP		18.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	18.000	363.717	.944	47.000	YRS	D	2494.271	MMCF
420	WATER	EXP		12.191	63.141	X	32.984	IYRS	D		
CALC	WATER	EXP	END=	12.191	63.141	.867	46.984	YRS	D	528.743	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9765 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
```

```
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

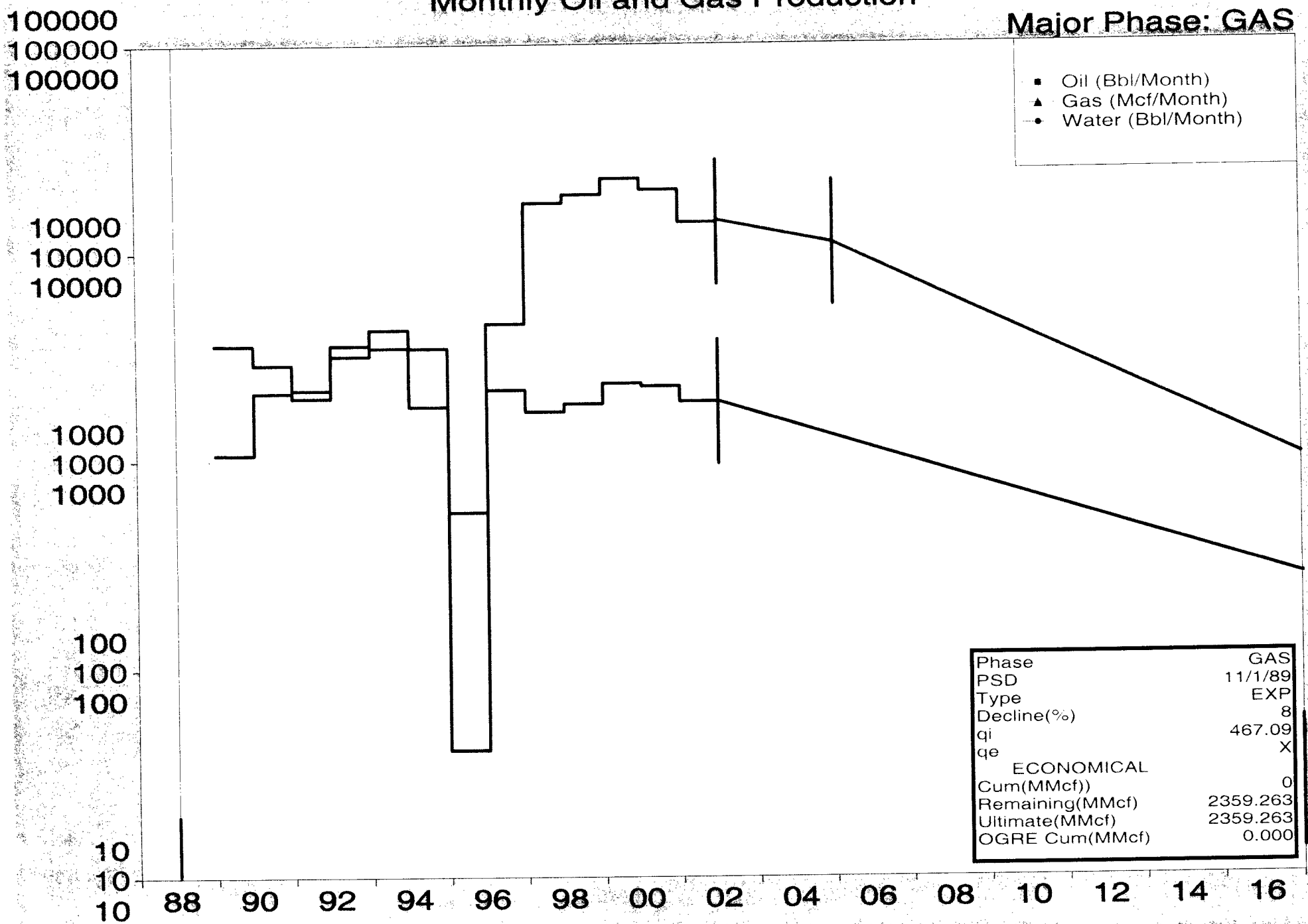
	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1990.000	AD	G	215.200	182.360	34.120		
806	! RECAV								
806	INVEST	1999.460	AD	G	35.227	140.000	.000		
807	! CHANGE PUMP								
807	INVEST	2000.460	AD	G	.000	3.530	.000		
808	! CHANGE PUMP								
808	INVEST	2002.310	AD	G	.000	5.980	.000		

```
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):         24.000
   GROSS GAS     (MMCF):       2359.263
   GROSS WATER     (MU):        488.757
```

ROSA UNIT #213
31N 6W 23B
Monthly Oil and Gas Production



ROSA UNIT #214
PROPNUM 81189-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/04/03
TIME: 10:28:38
FILE: FTC_COM
PROP: 14
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JANUARY 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.52	.000	.000	8.760	300.203	-308.963	-285.771
12-92	.000	14.900	.000	9.517	.00	1.74	16.569	1.642	19.299	.000	-4.372	-289.378
12-93	.000	52.198	.000	33.341	.00	1.50	50.063	4.962	34.942	.000	10.159	-281.618
12-94	.000	88.202	.000	56.339	.00	1.09	61.240	6.069	52.995	.000	2.176	-280.079
12-95	.000	36.701	.000	23.443	.00	1.28	30.018	2.975	52.084	.000	-25.041	-296.478
12-96	.000	3.307	.000	2.112	.00	1.53	3.230	.320	28.605	.000	-25.695	-312.059
12-97	.000	28.033	.000	17.906	.00	2.14	38.268	3.792	73.305	3.219	-42.048	-335.730
12-98	.000	167.720	.000	107.131	.00	1.71	183.559	18.190	114.559	140.102	-89.292	-382.151
12-99	.000	234.294	.000	149.655	.00	1.90	283.992	28.143	152.976	.000	102.873	-332.632
12-00	.000	238.100	.000	152.086	.00	3.25	494.551	49.010	155.614	.000	289.927	-203.409
12-01	.000	205.482	.000	131.252	.00	3.22	423.176	41.937	134.692	38.247	208.300	-117.120
12-02	.000	170.576	.000	108.955	.00	3.22	351.287	34.813	123.155	.000	193.319	-43.248
12-03	.000	162.061	.000	103.516	.00	3.22	333.751	33.075	117.552	.000	183.124	21.544
12-04	.000	149.096	.000	95.235	.00	3.22	307.052	30.429	108.269	.000	168.354	76.698
12-05	.000	137.168	.000	87.616	.00	3.22	282.487	27.995	100.035	.000	154.457	123.551
12-06	.000	121.397	.000	77.542	.00	3.22	250.007	24.776	91.476	.000	133.755	161.119
12-07	.000	103.188	.000	65.911	.00	3.22	212.507	21.060	82.864	.000	108.583	189.358
12-08	.000	87.709	.000	56.024	.00	3.22	180.630	17.901	75.479	.000	87.250	210.368
12-09	.000	74.553	.000	47.621	.00	3.22	153.537	15.215	69.141	.000	69.181	225.793
12-10	.000	63.370	.000	40.478	.00	3.22	130.507	12.934	63.703	.000	53.870	236.914
12-11	.000	53.865	.000	34.406	.00	3.22	110.930	10.993	59.036	.000	40.901	244.732
12-12	.000	45.785	.000	29.245	.00	3.22	94.290	9.344	55.030	.000	29.916	250.027
12-13	.000	38.917	.000	24.858	.00	3.22	80.146	7.942	51.594	.000	20.610	253.405
12-14	.000	33.080	.000	21.130	.00	3.22	68.126	6.751	48.644	.000	12.731	255.337
12-15	.000	28.117	.000	17.960	.00	3.22	57.906	5.739	46.111	.000	6.056	256.188
12-16	.000	23.900	.000	15.266	.00	3.22	49.220	4.878	43.934	.000	.408	256.241
S TOT	.000	2361.719	.000	1508.545	.00	2.82	4247.049	420.885	1963.854	481.772	1380.538	256.241
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	256.241
TOTAL	.000	2361.719	.000	1508.545	.00	2.82	4247.049	420.885	1963.854	481.772	1380.538	256.241
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			4247.049					
ULT.	.000	2361.719		TOTAL REVENUES (M$)			4247.049					

						PRESENT WORTH PROFILE			
						DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)	13.44	PROJECT LIFE (YEARS)	26.000			.0	1380.539	30.0	-199.739
BTAX PAYOUT	07/08/2001	DISCOUNT RATE (PCT)	8.000			2.0	952.754	35.0	-207.088
BTAX PAYOUT (DISC)	08/31/2003	GROSS OIL WELLS	.000			5.0	523.716	40.0	-208.094
BTAX NET INCOME/INVEST	3.87	GROSS GAS WELLS	1.000			8.0	256.241	45.0	-205.764
BTAX NET INCOME/INVEST (DISC)	1.70	GROSS WELLS	2.000			10.0	135.060	50.0	-201.709
						12.0	45.129	60.0	-191.592
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000			15.0	-48.779	70.0	-181.070
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000			18.0	-109.552	80.0	-171.142
PRODUCTION START DATE	7/01/90	INITIAL NET GAS FRACTION	.638750			20.0	-137.638	90.0	-162.061
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750			25.0	-180.332	100.0	-153.824
WATER GROSS PROD. (MU)	368.069	WATER NET PRODUCTION (MU)	235.107			WATER NET REVENUES (M$)		.000	

101 ROSA UNIT #214
102 PROPNUM 81189-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATFAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
120 1 90 12 01 01 1990 8 2

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	7/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	24.	.000	.000
320	3.	146.000	200.000
335	3.	14754.000	3440.000
336	3.	6456.000	3109.000
337	3.	6230.000	1372.000
338	3.	5397.000	846.000
339	3.	34115.000	1540.000
340	3.	22963.000	.000
341	3.	25355.000	3040.000
342	3.	21950.000	3520.000
343	3.	17934.000	5040.000
344	3.	17353.000	5920.000
345	3.	17287.000	4640.000
346	3.	2061.000	720.000
347	3.	.000	.000
348	3.	.000	80.000
349	3.	.000	.000
350	3.	.000	.000
351	3.	3307.000	3120.000
352	3.	2756.000	3280.000
353	3.	2754.000	4460.000
354	3.	8026.000	8650.000
355	3.	14497.000	7760.000
356	3.	26664.000	6899.000
357	3.	25523.000	5800.000
358	3.	57386.000	6360.000
359	3.	58147.000	7680.000
360	3.	46844.000	7760.000
361	3.	59663.000	8020.000
362	3.	65120.000	8970.000
363	3.	62667.000	8700.000
364	3.	59420.000	9820.000
365	3.	56323.000	8290.000
366	3.	63696.000	8280.000
367	3.	58661.000	7960.000
368	3.	54832.000	7640.000
369	3.	52077.000	7360.000
370	3.	50704.000	6800.000
371	3.	47869.000	5760.000
372	3.	45765.000	7040.000
373	3.	42486.000	5760.000
374	3.	41437.000	6880.000
375	3.	40888.000	6560.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		8.000	462.770	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	8.000	462.770	360.353	16.000	YRS	D	1687.838	MMCF
412	GAS	EXP		15.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	360.353	2.750	46.000	YRS	D	2490.977	MMCF
420	WATER	EXP		13.240	71.680	X	27.420	IYRS	D		
CALC	WATER	EXP	END=	13.240	71.680	1.459	40.420	YRS	D	389.542	M-UNITS

600 SERIES LINES:
602 DATA BTU : 0.9778 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
* 644 1.89 UNTIL 1993 AD
* 645 1.63 UNTIL 1994 AD
* 646 1.18 UNTIL 1995 AD
* 647 1.39 UNTIL 1996 AD
* 648 1.66 UNTIL 1997 AD
* 649 2.32 UNTIL 1998 AD
* 650 1.86 UNTIL 1999 AD
* 651 2.06 UNTIL 2000 AD
* 652 3.53 UNTIL 2001 AD
* 653 3.50 UNTIL 2002 AD

```
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.000	AD	G	198.377	186.560	26.300		
806	INVEST	1997.060	AD	G	4.410	.000	.000		
807	! RECAV								
807	INVEST	1998.500	AD	G	81.900	110.021	.000		
808	! CHANGE PUMP								
808	INVEST	2001.200	AD	G	6.973	.000	.000		
809	! CHANGE PUMP								
809	INVEST	2001.860	AD	G	45.420	.000	.000		

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853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):        26.000
GROSS GAS     (MMCF):      2361.719
GROSS WATER     (MU):       368.069
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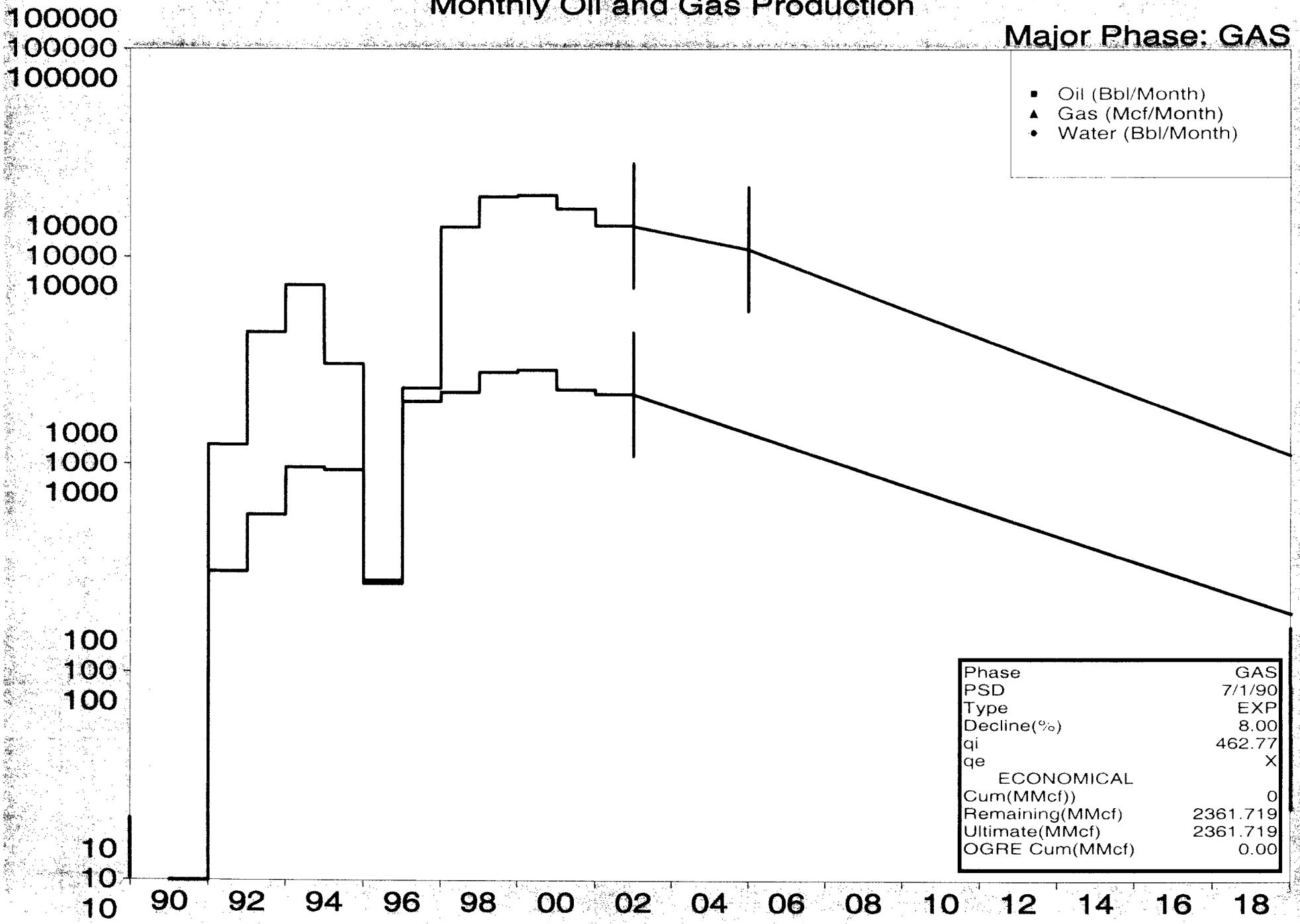
ROSA UNIT #214
31N 6W 14N
Monthly Oil and Gas Production



ROSA UNIT #215
PROPNUM 81369-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/04/03
TIME: 10:34:13
FILE: FTC_COM
PROP: 15
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF JANUARY 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.49	.000	.000	6.570	296.446	-303.016	-269.923
12-92	.000	8.774	.000	5.604	.00	1.71	9.573	.949	15.570	.000	-6.946	-275.653
12-93	.000	45.452	.000	29.032	.00	1.47	42.772	4.238	28.268	.000	10.266	-267.811
12-94	.000	96.146	.000	61.413	.00	1.07	65.500	6.491	46.424	.000	12.585	-258.910
12-95	.000	78.025	.000	49.838	.00	1.26	62.614	6.205	50.096	.000	6.313	-254.776
12-96	.000	7.981	.000	5.098	.00	1.50	7.649	.758	29.642	.000	-22.751	-268.572
12-97	.000	98.440	.000	62.879	.00	2.10	131.853	13.067	59.203	2.781	56.802	-236.727
12-98	.000	184.727	.000	117.994	.00	1.68	198.367	19.658	88.023	.000	90.686	-189.582
12-99	.000	106.031	.000	67.727	.00	1.86	126.103	12.497	73.160	110.558	-70.112	-222.519
12-00	.000	273.496	.000	174.696	.00	3.19	557.384	55.237	122.105	.000	380.042	-53.131
12-01	.000	261.697	.000	167.159	.00	3.16	528.804	52.404	119.124	.000	357.276	94.314
12-02	.000	220.920	.000	141.113	.00	3.16	446.408	44.239	105.303	.000	296.866	207.753
12-03	.000	217.021	.000	138.622	.00	3.16	438.528	43.459	103.305	.000	291.764	310.984
12-04	.000	201.087	.000	128.444	.00	3.16	406.330	40.268	97.258	.000	268.804	399.047
12-05	.000	185.326	.000	118.377	.00	3.16	374.483	37.111	91.480	.000	245.892	473.636
12-06	.000	159.198	.000	101.688	.00	3.16	321.688	31.879	83.243	.000	206.566	531.655
12-07	.000	133.725	.000	85.417	.00	3.16	270.215	26.778	75.353	.000	168.084	575.368
12-08	.000	112.330	.000	71.751	.00	3.16	226.983	22.494	68.664	.000	135.825	608.075
12-09	.000	94.357	.000	60.271	.00	3.16	190.666	18.895	62.990	.000	108.781	632.329
12-10	.000	79.259	.000	50.627	.00	3.16	160.157	15.871	58.180	.000	86.106	650.106
12-11	.000	66.578	.000	42.527	.00	3.16	134.533	13.332	54.096	.000	67.105	662.934
12-12	.000	55.926	.000	35.723	.00	3.16	113.009	11.199	50.629	.000	51.181	671.993
12-13	.000	46.978	.000	30.007	.00	3.16	94.926	9.407	47.683	.000	37.836	678.194
12-14	.000	39.461	.000	25.206	.00	3.16	79.739	7.903	45.181	.000	26.655	682.239
12-15	.000	33.147	.000	21.173	.00	3.16	66.980	6.638	43.052	.000	17.290	684.668
12-16	.000	27.844	.000	17.785	.00	3.16	56.262	5.576	41.242	.000	9.444	685.897
12-17	.000	23.389	.000	14.940	.00	3.16	47.262	4.684	39.703	.000	2.875	686.243
S TOT	.000	2857.315	.000	1825.111	.00	2.83	5158.788	511.237	1705.547	409.785	2532.219	686.243
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	686.243
TOTAL	.000	2857.315	.000	1825.111	.00	2.83	5158.788	511.237	1705.547	409.785	2532.219	686.243
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			5158.788	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	2857.315		TOTAL REVENUES (M$)			5158.788	RATE	BTAX, M$	RATE	BTAX, M$	
								.0	2532.219	30.0	-111.702	
BTAX RATE OF RETURN (PCT)		20.77	PROJECT LIFE (YEARS)				27.000	2.0	1832.572	35.0	-133.089	
BTAX PAYOUT		08/05/2000	DISCOUNT RATE (PCT)				8.000	5.0	1128.565	40.0	-142.897	
BTAX PAYOUT (DISC)		05/10/2001	GROSS OIL WELLS				.000	8.0	686.243	45.0	-146.209	
BTAX NET INCOME/INVEST		7.18	GROSS GAS WELLS				1.000	10.0	483.806	50.0	-145.840	
BTAX NET INCOME/INVEST (DISC)		3.16	GROSS WELLS				2.000	12.0	331.970	60.0	-139.818	
								15.0	170.766	70.0	-131.204	
INITIAL W.I. FRACTION		.730000	INITIAL NET OIL FRACTION				.000000	18.0	63.606	80.0	-122.240	
FINAL W.I. FRACTION		.730000	FINAL NET OIL FRACTION				.000000	20.0	12.578	90.0	-113.704	
PRODUCTION START DATE		4/01/91	INITIAL NET GAS FRACTION				.638750	25.0	-69.249	100.0	-105.853	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.638750					
WATER GROSS PROD. (MU)		147.622	WATER NET PRODUCTION (MU)				94.297	WATER NET REVENUES (M$)			.000	

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101 ROSA UNIT #215
102 PROPNUM 81369-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 90 12 01 01 1990 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	4/01/1991

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	15.	.000	.000
320	3.	148.000	264.000
335	3.	8626.000	2234.000
336	3.	5367.000	2140.000
337	3.	5892.000	792.000
338	3.	7094.000	626.000
339	3.	27099.000	741.000
340	3.	28754.000	.000
341	3.	22848.000	1680.000
342	3.	21893.000	2080.000
343	3.	22651.000	3360.000
344	3.	28484.000	2640.000
345	3.	45619.000	1680.000
346	3.	3922.000	160.000
347	3.	.000	.000
348	3.	238.000	.000
349	3.	.000	.000
350	3.	4626.000	1520.000
351	3.	3117.000	1600.000
352	3.	2488.000	560.000
353	3.	4264.000	1000.000
354	3.	42982.000	2240.000
355	3.	48706.000	2800.000
356	3.	41400.000	3440.000
357	3.	46308.000	2180.000
358	3.	51816.000	2400.000
359	3.	45203.000	2240.000
360	3.	23338.000	2065.000
361	3.	27803.000	1960.000
362	3.	26657.000	2275.000
363	3.	28233.000	2080.000
364	3.	67875.000	2640.000
365	3.	65551.000	3215.000
366	3.	68348.000	2960.000
367	3.	71722.000	2840.000
368	3.	68181.000	3120.000
369	3.	67471.000	2560.000
370	3.	64816.000	2960.000
371	3.	61229.000	3040.000
372	3.	53823.000	2880.000
373	3.	57005.000	2400.000
374	3.	56750.000	2480.000
375	3.	53342.000	2080.000
376			

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	7.342	617.535	X	2.663	IYRS	D		
CALC	GAS	EXP	END= 7.342	617.535	504.047	15.663	YRS	D	1924.910	MMCF
411	GAS	EXP	16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END= 16.000	504.047	2.697	45.663	YRS	D	2974.460	MMCF
420	WATER	EXP	11.551	27.055	X	32.641	IYRS	D		
CALC	WATER	EXP	END= 11.551	27.055	.492	45.641	YRS	D	158.921	M-UNITS

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600 SERIES LINES:
602 DATA BTU : 0.9594 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
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632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.500	AD	G	218.230	164.560	23.300		
806	! CHANGE OUT PUMP								
806	INVEST	1997.110	AD	G	3.810	.000	.000		
807	! RECAV								
807	INVEST	1999.700	AD	G	51.449	100.000	.000		

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853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):        27.000
GROSS GAS      (MMCF):     2857.315
GROSS WATER      (MU):       147.622
```
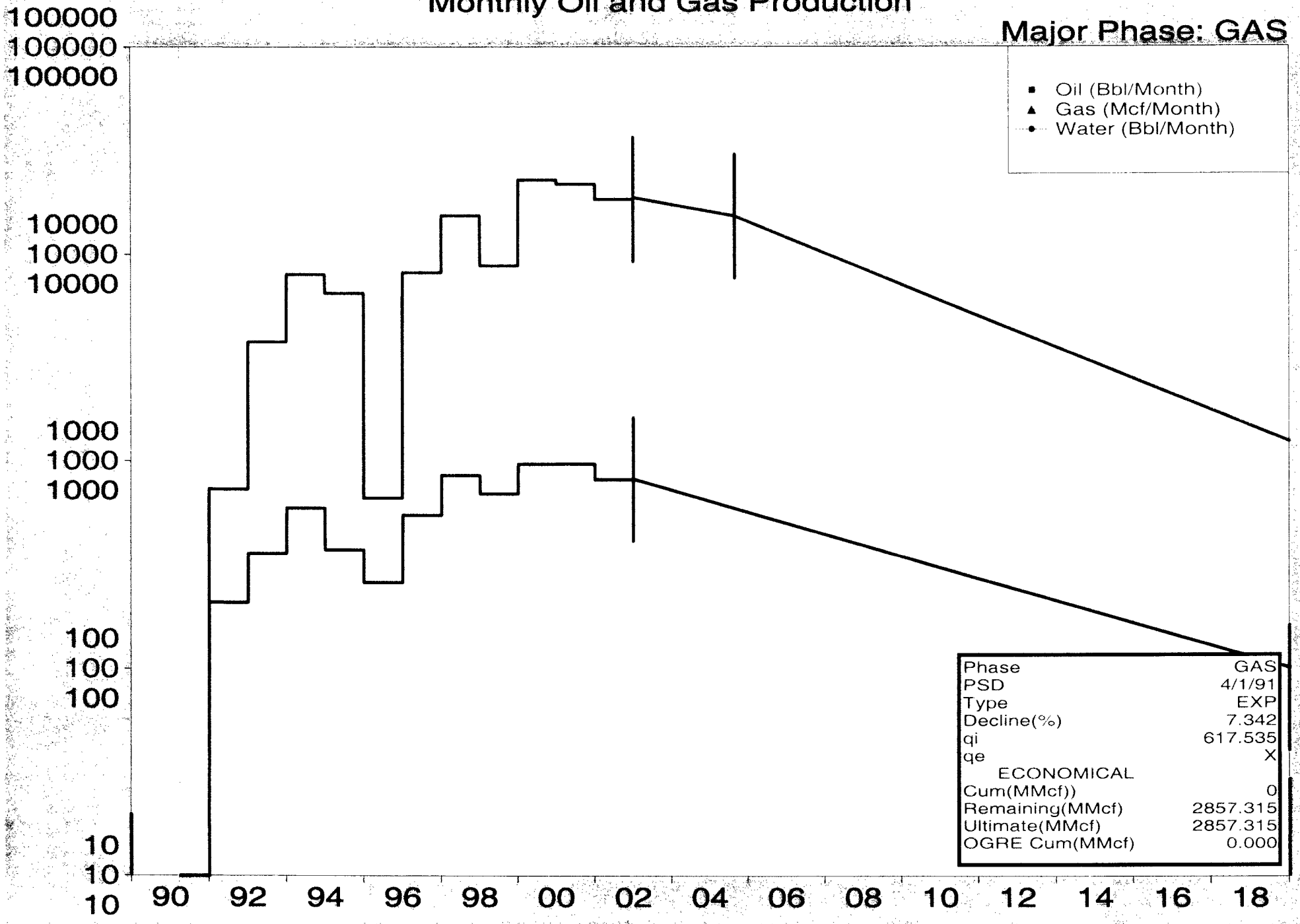

ROSA UNIT #215
31N 6W 26N

Monthly Oil and Gas Production



ROSA UNIT #216
PROPNUM 81123-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/19/03
TIME: 08:03:40
FILE: FTC_COM
PROP: 16
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF OCTOBER 1, 1989

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-90	.000	3.890	.000	3.404	.00	1.16	3.953	.392	14.294	405.950	-416.683	-408.345
12-91	.000	3.017	.000	2.640	.00	1.52	4.015	.398	17.696	.000	-14.079	-420.650
12-92	.000	.000	.000	.000	.00	1.74	.000	.000	13.900	.000	-13.900	-431.899
12-93	.000	.000	.000	.000	.00	1.50	.000	.000	3.425	.000	-3.425	-434.465
12-94	.000	.003	.000	.003	.00	1.09	.003	.000	.934	.000	-.931	-435.111
12-95	.000	.000	.000	.000	.00	1.28	.000	.000	2.015	.000	-2.015	-436.405
12-96	.000	.000	.000	.000	.00	1.53	.000	.000	1.408	.000	-1.408	-437.243
12-97	.000	.000	.000	.000	.00	2.14	.000	.000	3.418	.000	-3.418	-439.126
12-98	.000	.979	.000	.857	.00	1.71	1.469	.145	16.019	.000	-14.695	-446.620
12-99	.000	14.848	.000	12.992	.00	1.90	24.667	2.444	75.905	159.140	-212.822	-547.113
12-00	.000	42.714	.000	37.375	.00	3.25	121.598	12.051	102.884	.000	6.663	-544.200
12-01	.000	92.912	.000	81.298	.00	3.23	262.251	25.989	115.201	.000	121.061	-495.191
12-02	.000	128.103	.000	112.090	.00	3.23	361.580	35.832	129.419	.000	196.329	-421.599
12-03	.000	121.727	.000	106.511	.00	3.23	343.583	34.049	121.503	.000	188.031	-356.338
12-04	.000	130.179	.000	113.907	.00	3.23	367.441	36.414	120.133	.000	210.894	-288.564
12-05	.000	131.909	.000	115.420	.00	3.23	372.322	36.897	116.813	.000	218.612	-223.514
12-06	.000	124.298	.000	108.761	.00	3.23	350.841	34.769	110.558	.000	205.514	-166.891
12-07	.000	117.079	.000	102.444	.00	3.23	330.464	32.749	104.818	.000	192.897	-117.681
12-08	.000	110.273	.000	96.489	.00	3.23	311.254	30.845	99.556	.000	180.853	-74.961
12-09	.000	97.885	.000	85.649	.00	3.23	276.286	27.380	92.588	.000	156.318	-40.772
12-10	.000	82.223	.000	71.945	.00	3.23	232.080	22.999	84.715	.000	124.366	-15.586
12-11	.000	69.067	.000	60.434	.00	3.23	194.948	19.319	77.977	.000	97.652	2.725
12-12	.000	58.017	.000	50.765	.00	3.23	163.758	16.228	72.207	.000	75.323	15.803
12-13	.000	48.733	.000	42.641	.00	3.23	137.551	13.632	67.257	.000	56.662	24.912
12-14	.000	40.937	.000	35.820	.00	3.23	115.548	11.450	63.015	.000	41.083	31.027
12-15	.000	34.387	.000	30.089	.00	3.23	97.061	9.618	59.370	.000	28.073	34.896
12-16	.000	28.884	.000	25.274	.00	3.23	81.529	8.080	56.235	.000	17.214	37.093
12-17	.000	24.264	.000	21.231	.00	3.23	68.487	6.787	53.542	.000	8.158	38.057
12-18	.000	20.381	.000	17.833	.00	3.23	57.526	5.700	51.220	.000	.606	38.123
S TOT	.000	1526.709	.000	1335.872	.00	3.20	4280.215	424.167	1848.025	565.090	1442.933	38.123
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	38.123
TOTAL	.000	1526.709	.000	1335.872	.00	3.20	4280.215	424.167	1848.025	565.090	1442.933	38.123
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				4280.215				
ULT.	.000	1526.709		TOTAL REVENUES (M$)				4280.215				

BTAX RATE OF RETURN (PCT)	8.59	PROJECT LIFE (YEARS)	29.000		
BTAX PAYOUT	10/23/2004	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	11/07/2011	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	3.55	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	1.08	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/89	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	217.931	WATER NET PRODUCTION (MU)	190.690	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	1442.933	30.0	-391.568
2.0	875.744	35.0	-394.773
5.0	343.780	40.0	-393.875
8.0	38.123	45.0	-391.137
10.0	-91.151	50.0	-387.625
12.0	-182.137	60.0	-380.054
15.0	-271.254	70.0	-372.791
18.0	-324.546	80.0	-366.138
20.0	-347.534	90.0	-360.077
25.0	-379.403	100.0	-354.536

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101 ROSA UNIT #216
102 PROPNUM 81123-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATFAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
120 1 89 12 10 01 1989 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	10/01/1989

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	5.	.000	.000
320	3.	3826.000	120.000
326	3.	64.000	240.000
327	3.	.000	.000
328	3.	.000	.000
329	3.	2991.000	1308.000
330	3.	26.000	538.000
331	3.	.000	.000
332	3.	.000	.000
333	3.	.000	.000
334	3.	.000	150.000
335	3.	.000	460.000
336	3.	.000	450.000
337	3.	.000	455.000
338	3.	.000	460.000
339	3.	.000	155.000
340	3.	.000	.000
341	3.	3.000	.000
342	3.	.000	.000
343	3.	.000	223.000
344	3.	.000	450.000
345	3.	.000	455.000
346	3.	.000	51.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	.000	.000
351	3.	.000	40.000
352	3.	.000	1570.000
353	3.	.000	320.000
354	3.	.000	.000
355	3.	.000	.000
356	3.	.000	.000
357	3.	.000	3440.000
358	3.	581.000	1920.000
359	3.	398.000	800.000
360	3.	.000	320.000
361	3.	839.000	1520.000
362	3.	2691.000	2740.000
363	3.	8606.000	7520.000
364	3.	8137.000	5520.000
365	3.	8664.000	5280.000
366	3.	10461.000	5480.000
367	3.	13162.000	4750.000
368	3.	15005.000	4320.000
369	3.	21307.000	4920.000
370	3.	25852.000	4560.000
371	3.	26685.000	4320.000
372	3.	27196.000	5040.000
373	3.	29960.000	4880.000
374	3.	34191.000	4960.000
375	3.	36041.000	4320.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-6.944	320.630	X	2.162	IYRS	D		
CALC	GAS	EXP	END=	-6.944	320.630	370.715	16.079	YRS	D	548.989	MMCF
411	GAS	EXP		5.808	LAST	X	3.893	IYRS	D		
CALC	GAS	EXP	END=	5.808	370.715	293.682	19.972	YRS	D	1018.902	MMCF
412	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	293.682	1.571	49.972	YRS	D	1630.420	MMCF
420	WATER	EXP		10.512	48.938	X	28.389	IYRS	D		
CALC	WATER	EXP	END=	10.512	48.938	2.091	42.306	YRS	D	238.011	M-UNITS

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600 SERIES LINES:
602 DATA BTU : 0.9783 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1993.0 AD : 0 UNTIL 1999.0 AD THEN 3000 LIFE

629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
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*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE

         INV NAME          INV. POINT          (G OR N)      TANG-M$    INTANG-M$    LSEHLD-M$    RISK FRAC    OVHD FLAG
         --------    --------------------      --------      -------    ---------    ---------    ---------    ---------
   805      INVEST      1990.000     AD             G         202.320      187.230       16.400
   806 ! RECAV
   806      INVEST      1999.500     AD             G          43.560      115.580         .000

   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):          29.000
   GROSS GAS     (MMCF):        1526.709
   GROSS WATER     (MU):         217.931
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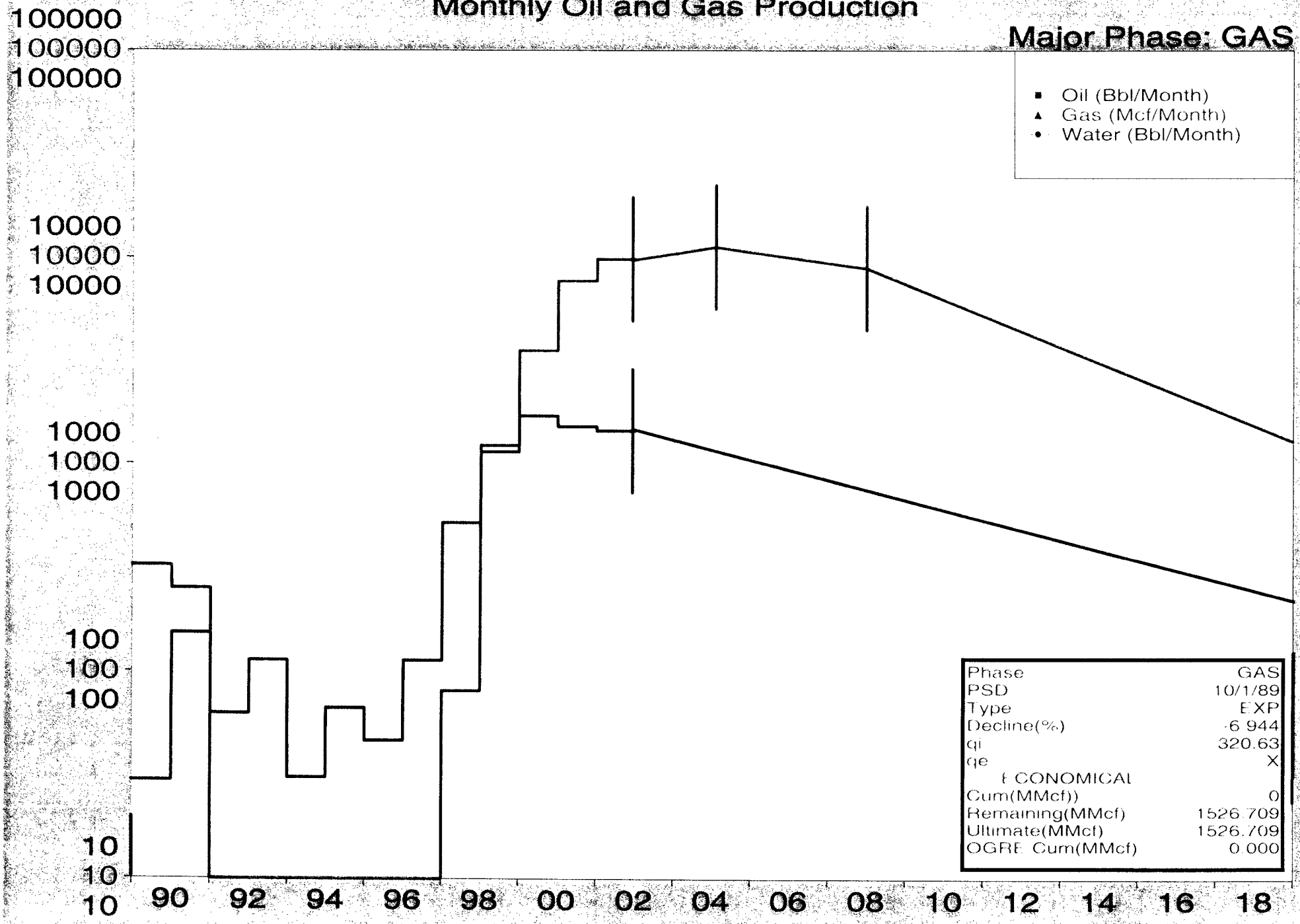
ROSA UNIT #216
31N 6W 11K
Monthly Oil and Gas Production



ROSA UNIT #217
PROPNUM 81184-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/19/03
TIME: 08:08:06
FILE: FTC_COM
PROP: 17
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	.000	439.940	-439.940	-401.336
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	11.000	.000	-11.000	-410.858
12-93	.000	.744	.000	.651	.00	1.52	.990	.098	17.813	.000	-16.921	-424.464
12-94	.000	.703	.000	.615	.00	1.10	.677	.067	19.855	.000	-19.245	-438.792
12-95	.000	.004	.000	.004	.00	1.30	.005	.000	2.201	.000	-2.196	-440.306
12-96	.000	.002	.000	.002	.00	1.55	.003	.000	4.601	.000	-4.598	-443.241
12-97	.000	.000	.000	.000	.00	2.17	.000	.000	3.400	.000	-3.400	-445.250
12-98	.000	.266	.000	.233	.00	1.74	.404	.040	7.097	.000	-6.733	-448.935
12-99	.000	20.500	.000	17.938	.00	1.92	34.486	3.418	67.590	330.880	-367.402	-634.456
12-00	.000	34.668	.000	30.335	.00	3.29	99.934	9.903	79.932	.000	10.099	-629.718
12-01	.000	52.239	.000	45.709	.00	3.27	149.302	14.796	82.459	.000	52.047	-607.108
12-02	.000	82.568	.000	72.247	.00	3.27	235.984	23.386	90.565	.000	122.033	-558.021
12-03	.000	88.815	.000	77.713	.00	3.27	253.838	25.155	92.368	.000	136.315	-507.251
12-04	.000	105.185	.000	92.037	.00	3.27	300.626	29.792	95.974	.000	174.860	-446.949
12-05	.000	124.569	.000	108.998	.00	3.27	356.026	35.282	100.898	.000	219.846	-376.750
12-06	.000	134.831	.000	117.977	.00	3.27	385.355	38.189	102.718	.000	244.448	-304.477
12-07	.000	129.526	.000	113.335	.00	3.27	370.192	36.686	99.070	.000	234.436	-240.298
12-08	.000	124.345	.000	108.802	.00	3.27	355.386	35.219	95.635	.000	224.532	-183.384
12-09	.000	119.372	.000	104.451	.00	3.27	341.174	33.811	92.425	.000	214.938	-132.937
12-10	.000	110.519	.000	96.704	.00	3.27	315.870	31.302	87.944	.000	196.624	-90.207
12-11	.000	97.285	.000	85.124	.00	3.27	278.045	27.554	81.995	.000	168.496	-56.302
12-12	.000	85.612	.000	74.911	.00	3.27	244.686	24.249	76.725	.000	143.712	-29.526
12-13	.000	75.337	.000	65.920	.00	3.27	215.318	21.338	72.061	.000	121.919	-8.493
12-14	.000	66.298	.000	58.011	.00	3.27	189.485	18.778	67.936	.000	102.771	7.923
12-15	.000	58.341	.000	51.048	.00	3.27	166.741	16.524	64.288	.000	85.929	20.632
12-16	.000	51.341	.000	44.923	.00	3.27	146.734	14.541	61.058	.000	71.135	30.374
12-17	.000	45.180	.000	39.533	.00	3.27	129.129	12.797	58.200	.000	58.132	37.745
12-18	.000	39.758	.000	34.788	.00	3.27	113.630	11.261	55.669	.000	46.700	43.228
12-19	.000	34.987	.000	30.614	.00	3.27	99.996	9.910	53.432	.000	36.654	47.213
12-20	.000	30.789	.000	26.940	.00	3.27	87.996	8.721	51.449	.000	27.826	50.014
12-21	.000	27.094	.000	23.707	.00	3.27	77.435	7.674	49.696	.000	20.065	51.884
12-22	.000	23.843	.000	20.863	.00	3.27	68.146	6.753	48.141	.000	13.252	53.028
12-23	.000	20.982	.000	18.359	.00	3.27	59.967	5.943	46.765	.000	7.259	53.608
12-24	.000	18.463	.000	16.155	.00	3.27	52.768	5.229	45.546	.000	1.993	53.755
S TOT	.000	1804.166	.000	1578.647	.00	3.25	5130.328	508.416	1986.506	770.820	1864.586	53.755
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	53.755
TOTAL	.000	1804.166	.000	1578.647	.00	3.25	5130.328	508.416	1986.506	770.820	1864.586	53.755
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			5130.328					
ULT.	.000	1804.166		TOTAL REVENUES (M$)			5130.328					

BTAX RATE OF RETURN (PCT)	8.74	PROJECT LIFE (YEARS)	34.000		
BTAX PAYOUT	08/21/2006	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	07/07/2014	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	3.42	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	1.09	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	2/01/92	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	144.294	WATER NET PRODUCTION (MU)	126.260	WATER NET REVENUES (M$)	.000

----------PRESENT WORTH PROFILE----------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	1864.586	30.0	-345.816
2.0	1099.121	35.0	-334.016
5.0	418.932	40.0	-320.007
8.0	53.755	45.0	-305.797
10.0	-91.266	50.0	-292.198
12.0	-187.811	60.0	-267.739
15.0	-274.910	70.0	-246.860
18.0	-320.230	80.0	-228.986
20.0	-336.519	90.0	-213.519
25.0	-350.541	100.0	-199.985

101 ROSA UNIT #217
102 PROPNUM 81184-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATFAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
120 1 90 12 09 01 1990 8 2

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	2/01/1992

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN FACT	GAS	WATER
310		1.000	1.000
320	17.	.000	.000
339	3.	635.000	1292.000
340	3.	109.000	925.000
341	3.	703.000	1840.000
342	3.	.000	.000
343	3.	.000	.000
344	3.	.000	1200.000
345	3.	.000	.000
346	3.	4.000	880.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	80.000
350	3.	.000	.000
351	3.	.000	.000
352	3.	2.000	1760.000
353	3.	.000	1360.000
354	3.	.000	.000
355	3.	.000	.000
356	3.	.000	.000
357	3.	.000	.000
358	3.	.000	.000
359	3.	151.000	2480.000
360	3.	115.000	320.000
361	3.	.000	80.000
362	3.	449.000	1920.000
363	3.	7009.000	3900.000
364	3.	13042.000	3760.000
365	3.	8315.000	3620.000
366	3.	8618.000	2860.000
367	3.	9471.000	2840.000
368	3.	8264.000	3220.000
369	3.	12169.000	2600.000
370	3.	12456.000	2880.000
371	3.	14906.000	2640.000
372	3.	12708.000	2880.000
373	3.	18550.000	2640.000
374	3.	18612.000	2320.000
375	3.	20841.000	2320.000
376	3.	24565.000	2560.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-18.430	223.330	X	3.080	IYRS	D		
CALC	GAS	EXP	END=	-18.430	223.330	376.018	16.080	YRS	D	521.169	MMCF
411	GAS	EXP		4.000	LAST	X	4.000	IYRS	D		
CALC	GAS	EXP	END=	4.000	376.018	319.370	20.080	YRS	D	1027.678	MMCF
412	GAS	EXP		12.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	12.000	319.370	6.899	50.080	YRS	D	1919.870	MMCF
420	WATER	EXP		9.680	27.820	X	32.510	IYRS	D		
CALC	WATER	EXP	END=	9.680	27.820	1.016	45.510	YRS	D	151.271	M-UNITS

600 SERIES LINES:
602 DATA BTU : 0.9906 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 00 UNTIL 1999.0 AD THEN 3000 LIFE

629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
* 644 1.89 UNTIL 1993 AD
* 645 1.63 UNTIL 1994 AD
* 646 1.18 UNTIL 1995 AD
* 647 1.39 UNTIL 1996 AD
* 648 1.66 UNTIL 1997 AD
* 649 2.32 UNTIL 1998 AD
* 650 1.86 UNTIL 1999 AD
* 651 2.06 UNTIL 2000 AD
* 652 3.53 UNTIL 2001 AD
* 653 3.50 UNTIL 2002 AD
* 654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE

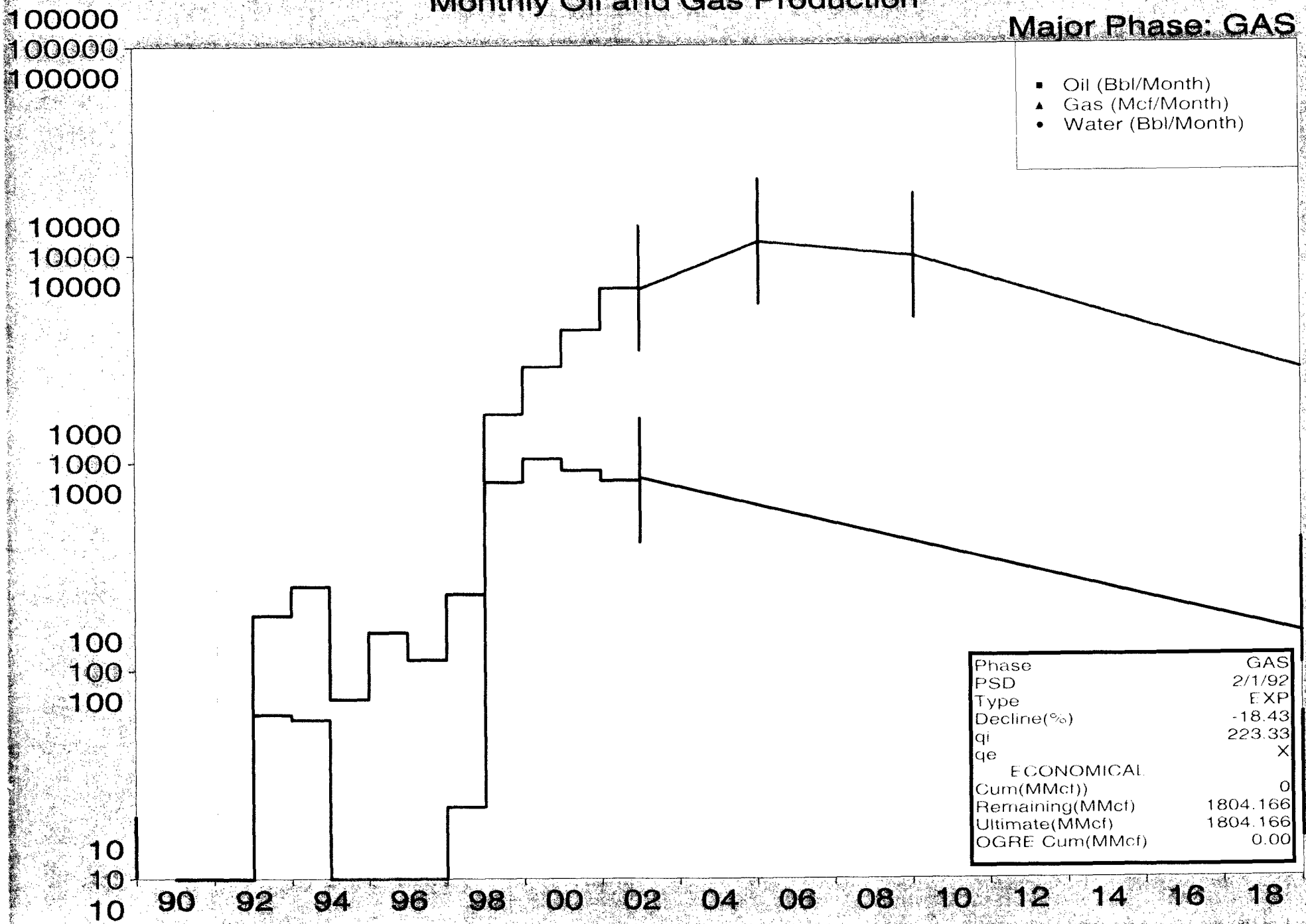
	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.860	AD	G	215.360	224.580	.000		
806	! RECAV								
806	INVEST	1999.550	AD	G	116.580	214.300	.000		

```
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON
```

ECONOMIC LIFE	(YRS):	34.000
GROSS GAS	(MMCF):	1804.166
GROSS WATER	(MU):	144.294

ROSA UNIT #217
31N 6W 11H
Monthly Oil and Gas Production



Phase	GAS
PSD	2/1/92
Type	EXP
Decline(%)	-18.43
qi	223.33
qe	X
ECONOMICAL	
Cum(MMcf))	0
Remaining(MMcf)	1804.166
Ultimate(MMcf)	1804.166
OGRE Cum(MMcf)	0.00

ROSA UNIT #218
PROPNUM 81356-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 06/18/03
TIME: 10:52:26
FILE: FTC_COM
PROP: 18
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF JUNE 1, 1989

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-90	.000	.000	.000	.000	.00	1.14	.000	.000	.000	333.630	-333.630	-314.111
12-91	.000	.000	.000	.000	.00	1.49	.000	.000	.000	.000	.000	-314.111
12-92	.000	76.691	.000	48.986	.00	1.71	83.638	8.288	19.949	.000	55.401	-270.413
12-93	.000	140.119	.000	89.501	.00	1.47	131.791	13.060	42.504	.000	76.227	-214.742
12-94	.000	107.506	.000	68.669	.00	1.07	73.200	7.254	61.625	.000	4.321	-211.820
12-95	.000	55.811	.000	35.649	.00	1.26	44.764	4.436	64.026	.000	-23.698	-226.658
12-96	.000	405.568	.000	259.057	.00	1.50	388.485	38.499	176.562	.000	173.424	-126.114
12-97	.000	408.062	.000	260.650	.00	2.10	546.281	54.136	162.961	.000	329.184	50.597
12-98	.000	408.021	.000	260.623	.00	1.68	437.921	43.398	165.027	12.246	217.250	158.743
12-99	.000	639.162	.000	408.265	.00	1.86	759.766	75.293	225.746	123.894	334.833	314.359
12-00	.000	538.763	.000	344.135	.00	3.19	1097.423	108.755	194.961	5.694	788.013	650.164
12-01	.000	521.056	.000	332.825	.00	3.16	1052.336	104.286	190.201	.000	757.849	949.192
12-02	.000	468.763	.000	299.422	.00	3.16	946.721	93.820	175.667	.000	677.234	1196.618
12-03	.000	393.760	.000	251.514	.00	3.16	795.244	78.809	153.630	.000	562.805	1387.006
12-04	.000	330.759	.000	211.272	.00	3.16	668.006	66.200	134.986	.000	466.820	1533.226
12-05	.000	277.837	.000	177.468	.00	3.16	561.123	55.607	119.209	.000	386.307	1645.264
12-06	.000	233.384	.000	149.074	.00	3.16	471.346	46.710	105.853	.000	318.783	1730.870
12-07	.000	196.042	.000	125.222	.00	3.16	395.931	39.237	94.542	.000	262.152	1796.054
12-08	.000	164.675	.000	105.186	.00	3.16	332.580	32.958	84.958	.000	214.664	1845.476
12-09	.000	138.327	.000	88.356	.00	3.16	279.367	27.685	76.838	.000	174.844	1882.749
12-10	.000	116.195	.000	74.220	.00	3.16	234.671	23.256	69.953	.000	141.462	1910.672
12-11	.000	97.604	.000	62.345	.00	3.16	197.124	19.535	64.112	.000	113.477	1931.412
12-12	.000	81.987	.000	52.369	.00	3.16	165.582	16.409	59.154	.000	90.019	1946.646
12-13	.000	68.869	.000	43.990	.00	3.16	139.089	13.784	54.945	.000	70.360	1957.671
12-14	.000	57.851	.000	36.952	.00	3.16	116.836	11.578	51.371	.000	53.887	1965.489
12-15	.000	48.594	.000	31.039	.00	3.16	98.140	9.726	48.332	.000	40.082	1970.874
12-16	.000	40.819	.000	26.073	.00	3.16	82.438	8.169	45.749	.000	28.520	1974.422
12-17	.000	34.288	.000	21.901	.00	3.16	69.247	6.862	43.552	.000	18.833	1976.591
12-18	.000	28.802	.000	18.397	.00	3.16	58.168	5.764	41.681	.000	10.723	1977.735
12-19	.000	24.193	.000	15.453	.00	3.16	48.860	4.842	40.087	.000	3.931	1978.123
S TOT	.000	6103.508	.000	3898.613	.00	2.64	10276.078	1018.356	2768.181	475.464	6014.077	1978.123
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	1978.123
TOTAL	.000	6103.508	.000	3898.613	.00	2.64	10276.078	1018.356	2768.181	475.464	6014.077	1978.123
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			10276.078					
ULT.	.000	6103.508		TOTAL REVENUES (M$)			10276.078					

BTAX RATE OF RETURN (PCT)	31.35	PROJECT LIFE (YEARS)	30.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT	07/29/1997	DISCOUNT RATE (PCT)	8.000	.0	6014.077	30.0	21.603
BTAX PAYOUT (DISC)	02/13/1998	GROSS OIL WELLS	.000	2.0	4504.163	35.0	-58.358
BTAX NET INCOME/INVEST	13.65	GROSS GAS WELLS	1.000	5.0	2965.195	40.0	-107.774
BTAX NET INCOME/INVEST (DISC)	6.23	GROSS WELLS	2.000	8.0	1978.123	45.0	-138.758
				10.0	1516.480	50.0	-158.286
				12.0	1163.349	60.0	-178.007
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000	15.0	777.888	70.0	-184.553
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000	18.0	511.286	80.0	-185.095
PRODUCTION START DATE	7/01/89	INITIAL NET GAS FRACTION	.638750	20.0	379.237	90.0	-182.791
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750	25.0	153.872	100.0	-179.135
WATER GROSS PROD. (MU)	253.534	WATER NET PRODUCTION (MU)	161.945	WATER	NET REVENUES (M$)		.000

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101 ROSA UNIT #218
102 PROPNUM 81356-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO .
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 89 12 06 01 1989 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	7/01/1989

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	36.	.000	.000
320	3.	19045.000	154.000
339	3.	57646.000	.000
340	3.	36398.000	.000
341	3.	32598.000	.000
342	3.	35057.000	.000
343	3.	36066.000	3600.000
344	3.	41341.000	5620.000
345	3.	50863.000	4800.000
346	3.	6436.000	1040.000
347	3.	8866.000	2400.000
348	3.	22795.000	7640.000
349	3.	12858.000	2640.000
350	3.	9918.000	1600.000
351	3.	10240.000	3360.000
352	3.	56179.000	7520.000
353	3.	110641.000	6915.000
354	3.	107931.000	6580.000
355	3.	130817.000	6740.000
356	3.	117395.000	6080.000
357	3.	113063.000	4760.000
358	3.	96023.000	4750.000
359	3.	81581.000	4362.000
360	3.	81633.000	5770.000
361	3.	98627.000	6100.000
362	3.	113502.000	4670.000
363	3.	114259.000	4550.000
364	3.	181303.000	4320.000
365	3.	139789.000	4080.000
366	3.	152579.000	4240.000
367	3.	165491.000	4440.000
368	3.	149090.000	3440.000
369	3.	131549.000	3200.000
370	3.	125842.000	4000.000
371	3.	132282.000	3680.000
372	3.	141608.000	3480.000
373	3.	135808.000	3280.000
374	3.	120789.000	3760.000
375	3.	122851.000	3680.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		16.000	1399.492	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	1399.492	7.488	43.000	YRS	D	6214.850	MMCF
420	WATER	EXP		11.307	39.495	X	30.000	IYRS	D		
CALC	WATER	EXP	END=	11.307	39.495	1.079	43.000	YRS	D	264.109	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9589 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1994.0 AD : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1990.200	AD	G	216.300	199.180	41.548		

```
806 ! INSTALL ROD PUMP
806     INVEST      1998.850    AD            G          16.775        .000        .000
807 ! RECAV
807     INVEST      1999.850    AD            G            .000     169.718        .000
808 ! CHANGE PUMP
808     INVEST      2000.500    AD            G            .000       7.800        .000

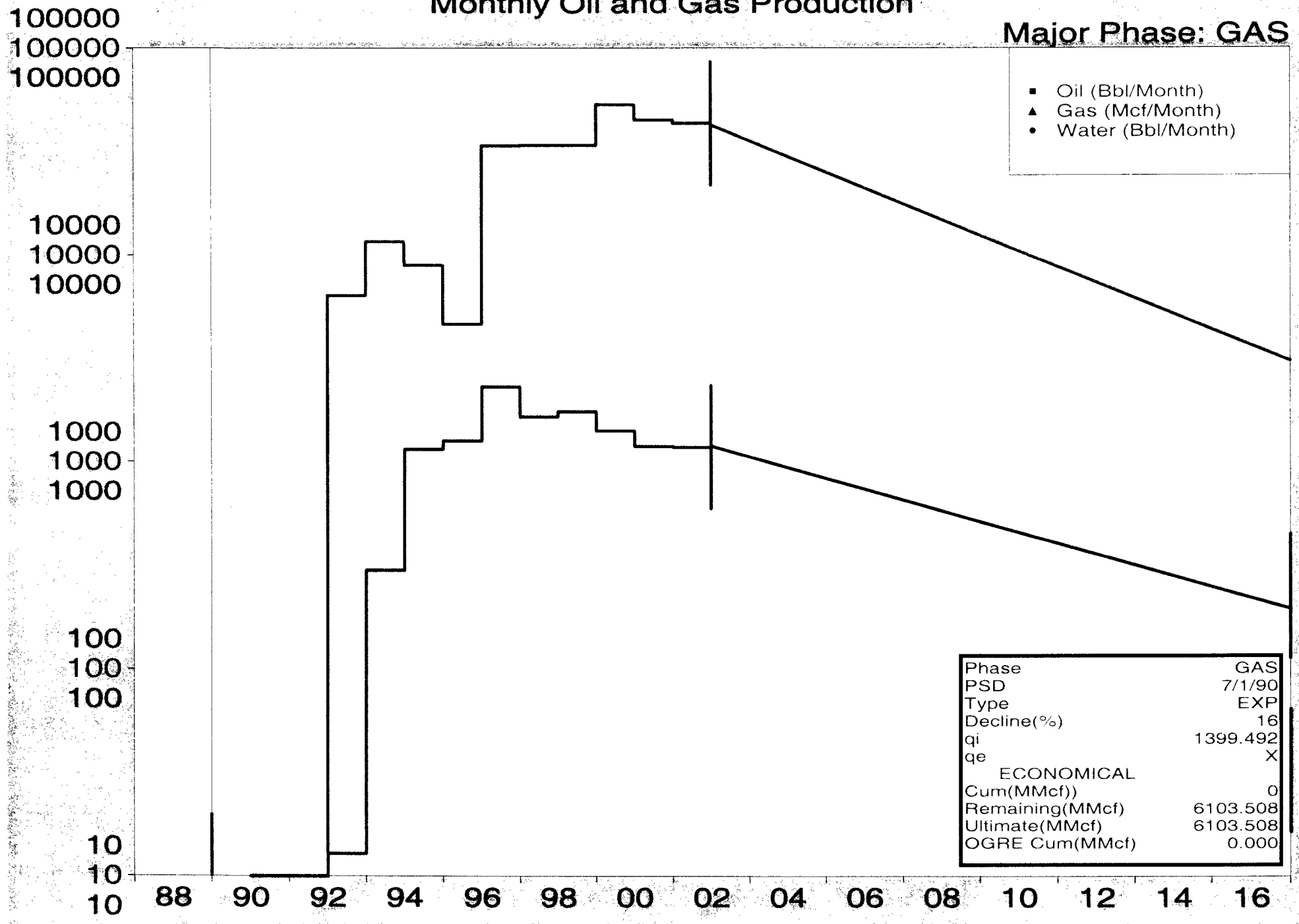
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          30.000
GROSS GAS      (MMCF):       6103.508
GROSS WATER      (MU):        253.534
```

ROSA UNIT #218
31N 6W 25K

Monthly Oil and Gas Production



ROSA UNIT #219
PROPNUM 81368-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 06/18/03
TIME: 11:11:56
FILE: FTC_COM
PROP: 19
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF JANUARY 1, 1989

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-90	.000	.000	.000	.000	.00	1.17	.000	.000	.000	275.452	-275.452	-240.743
12-91	.000	.434	.000	.277	.00	1.53	.424	.042	.559	.000	-.177	-240.889
12-92	.000	3.431	.000	2.192	.00	1.75	3.844	.381	4.027	.000	-.564	-241.320
12-93	.000	.127	.000	.081	.00	1.51	.122	.012	.617	.000	-.507	-241.679
12-94	.000	.325	.000	.208	.00	1.09	.228	.023	11.474	.000	-11.269	-249.059
12-95	.000	2.098	.000	1.340	.00	1.29	1.728	.172	30.629	.000	-29.073	-266.688
12-96	.000	88.015	.000	56.220	.00	1.54	86.585	8.581	69.025	.000	8.979	-261.647
12-97	.000	138.551	.000	88.499	.00	2.15	190.490	18.877	97.138	.000	74.475	-222.929
12-98	.000	353.069	.000	225.523	.00	1.73	389.178	38.568	173.875	.000	176.735	-137.855
12-99	.000	430.831	.000	275.193	.00	1.91	525.956	52.122	208.956	195.038	69.840	-106.727
12-00	.000	455.057	.000	290.668	.00	3.28	951.956	94.339	215.355	18.994	623.268	150.431
12-01	.000	453.293	.000	289.541	.00	3.25	940.206	93.175	216.608	.000	630.423	391.330
12-02	.000	431.492	.000	275.616	.00	3.25	894.989	88.693	204.073	.000	602.223	604.407
12-03	.000	402.874	.000	257.336	.00	3.25	835.629	82.811	189.605	.000	563.213	788.921
12-04	.000	345.661	.000	220.791	.00	3.25	716.959	71.050	168.409	.000	477.500	933.767
12-05	.000	293.200	.000	187.282	.00	3.25	608.148	60.267	149.174	.000	398.707	1045.753
12-06	.000	248.701	.000	158.858	.00	3.25	515.849	51.120	132.667	.000	332.062	1132.111
12-07	.000	210.956	.000	134.748	.00	3.25	437.558	43.362	118.491	.000	275.705	1198.501
12-08	.000	178.939	.000	114.297	.00	3.25	371.149	36.780	106.316	.000	228.053	1249.349
12-09	.000	151.781	.000	96.950	.00	3.25	314.819	31.199	95.856	.000	187.764	1288.113
12-10	.000	128.746	.000	82.237	.00	3.25	267.042	26.464	86.863	.000	153.715	1317.497
12-11	.000	109.206	.000	69.755	.00	3.25	226.511	22.447	79.131	.000	124.933	1339.610
12-12	.000	92.631	.000	59.168	.00	3.25	192.132	19.040	72.480	.000	100.612	1356.099
12-13	.000	78.573	.000	50.189	.00	3.25	162.975	16.151	66.758	.000	80.066	1368.249
12-14	.000	66.648	.000	42.571	.00	3.25	138.238	13.699	61.830	.000	62.709	1377.060
12-15	.000	56.533	.000	36.110	.00	3.25	117.257	11.620	57.588	.000	48.049	1383.311
12-16	.000	47.953	.000	30.630	.00	3.25	99.463	9.857	53.930	.000	35.676	1387.609
12-17	.000	40.675	.000	25.981	.00	3.25	84.366	8.361	50.781	.000	25.224	1390.422
12-18	.000	34.501	.000	22.038	.00	3.25	71.562	7.092	48.064	.000	16.406	1392.116
12-19	.000	29.266	.000	18.694	.00	3.25	60.704	6.015	45.719	.000	8.970	1392.974
12-20	.000	24.824	.000	15.856	.00	3.25	51.488	5.103	43.699	.000	2.686	1393.212
S TOT	.000	4898.391	.000	3128.849	.00	2.96	9257.555	917.423	2859.697	489.483	4990.952	1393.212
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	1393.212
TOTAL	.000	4898.391	.000	3128.849	.00	2.96	9257.555	917.423	2859.697	489.483	4990.952	1393.212
CUM.	.000	.000										
ULT.	.000	4898.391										

NET OIL REVENUES (M$)	.000		
NET GAS REVENUES (M$)	9257.555		
TOTAL REVENUES (M$)	9257.555		
BTAX RATE OF RETURN (PCT)	26.80	PROJECT LIFE (YEARS)	31.000
BTAX PAYOUT	01/04/2000	DISCOUNT RATE (PCT)	8.000
BTAX PAYOUT (DISC)	06/06/2000	GROSS OIL WELLS	.000
BTAX NET INCOME/INVEST	11.20	GROSS GAS WELLS	1.000
BTAX NET INCOME/INVEST (DISC)	5.15	GROSS WELLS	2.000
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000
PRODUCTION START DATE	1/01/89	INITIAL NET GAS FRACTION	.638750
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750
WATER GROSS PROD. (MU)	437.631	WATER NET PRODUCTION (MU)	279.535

---------PRESENT WORTH PROFILE---------			
DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	4990.951	30.0	-47.348
2.0	3597.648	35.0	-85.549
5.0	2229.939	40.0	-104.546
8.0	1393.212	45.0	-112.997
10.0	1017.753	50.0	-115.575
12.0	739.970	60.0	-112.364
15.0	449.308	70.0	-104.956
18.0	258.989	80.0	-96.729
20.0	169.289	90.0	-88.826
25.0	26.616	100.0	-81.600

WATER NET REVENUES (M$) .000

```
101 ROSA UNIT #219
102 PROPNUM 81368-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 89 12 01 01 1989 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	1/01/1989

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	33.	.000	.000
320	3.	434.000	244.000
339	3.	741.000	111.000
340	3.	130.000	.000
341	3.	1647.000	880.000
342	3.	913.000	720.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	92.000	.000
346	3.	35.000	320.000
347	3.	.000	.000
348	3.	151.000	640.000
349	3.	174.000	800.000
350	3.	.000	.000
351	3.	122.000	.000
352	3.	556.000	2400.000
353	3.	539.000	800.000
354	3.	881.000	1280.000
355	3.	6972.000	3600.000
356	3.	16383.000	3200.000
357	3.	34760.000	3280.000
358	3.	29900.000	3040.000
359	3.	16678.000	5531.000
360	3.	24922.000	2720.000
361	3.	18654.000	2320.000
362	3.	78297.000	10660.000
363	3.	118786.000	12800.000
364	3.	101026.000	10760.000
365	3.	43932.000	6140.000
366	3.	89325.000	2620.000
367	3.	102279.000	7920.000
368	3.	106229.000	10880.000
369	3.	109421.000	9680.000
370	3.	112902.000	7040.000
371	3.	116736.000	6960.000
372	3.	113161.000	9690.000
373	3.	111383.000	9440.000
374	3.	113777.000	9440.000
375	3.	114835.000	9120.000
376	3.	114835.000	9120.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		5.000	1260.310	X	2.189	IYRS	D		
CALC	GAS	EXP	END=	5.000	1260.310	1126.456	14.439	YRS	D	2539.268	MMCF
411	GAS	EXP		15.177	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	15.177	1126.456	8.075	44.439	YRS	D	5019.224	MMCF
420	WATER	EXP		11.597	104.603	X	32.142	IYRS	D		
CALC	WATER	EXP	END=	11.597	104.603	1.990	44.392	YRS	D	458.885	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9848 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1994.0 AD : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG

```
805     INVEST      1990.750    AD          G         204.112     116.898      56.321
806 ! RECAV
806     INVEST      1999.500    AD          G         127.175     140.000        .000
807 ! CHANGE PUMP
807     INVEST      2000.400    AD          G            .000      26.019        .000

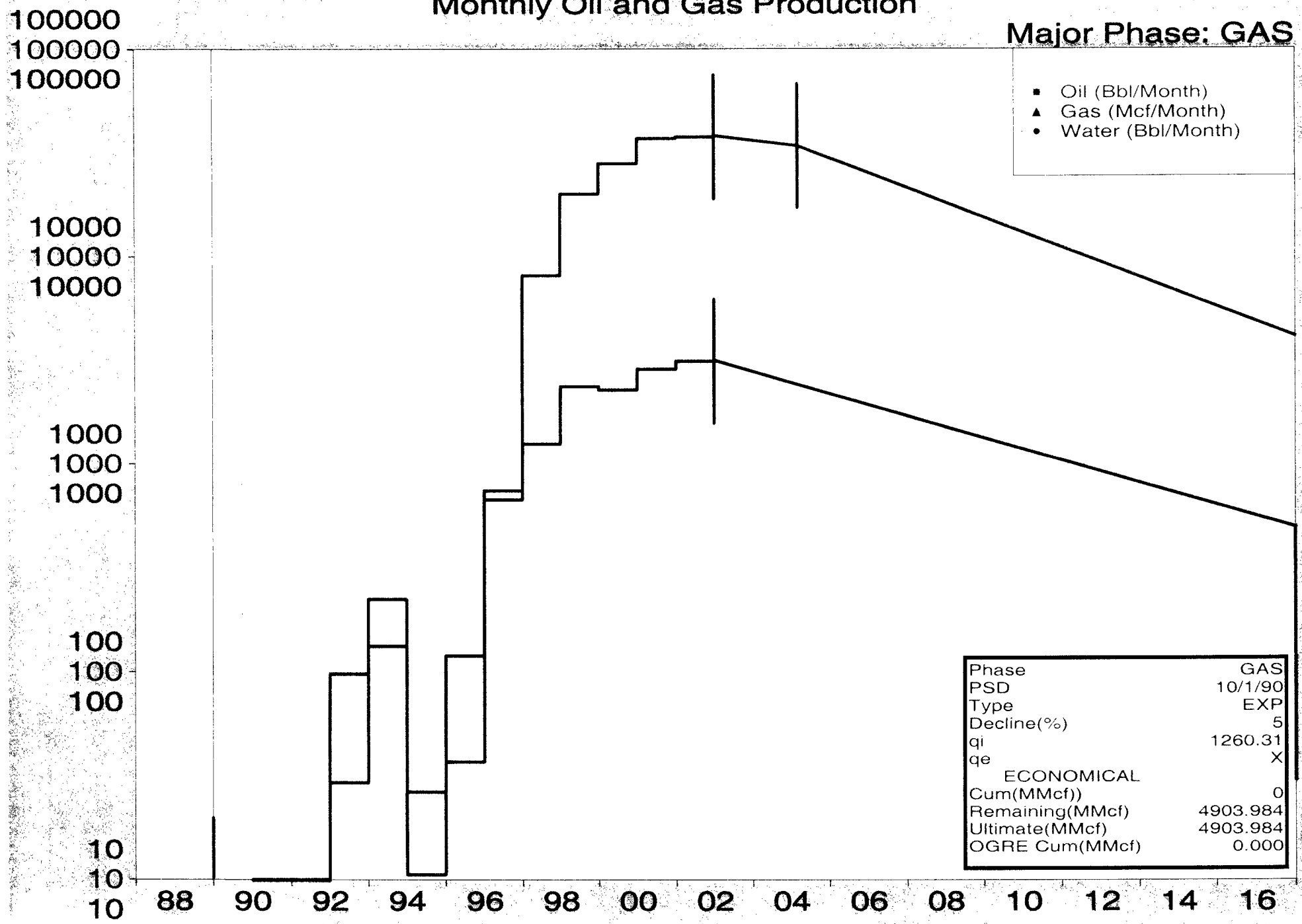
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          31.000
GROSS GAS      (MMCF):       4898.391
GROSS WATER      (MU):        437.631
```

ROSA UNIT #219
31N 5W 19K

Monthly Oil and Gas Production



ROSA UNIT #220
PROPNUM 81185-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 06/18/03
TIME: 11:25:37
FILE: FTC_COM
PROP: 20
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF APRIL 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-90	.000	.000	.000	.000	.00	1.18	.000	.000	.000	318.645	-318.645	-314.988
12-91	.000	.000	.000	.000	.00	1.55	.000	.000	.000	.000	.000	-314.988
12-92	.000	.000	.000	.000	.00	1.78	.000	.000	.000	.000	.000	-314.988
12-93	.000	.307	.000	.196	.00	1.53	.300	.030	.082	.000	.188	-314.842
12-94	.000	1.015	.000	.648	.00	1.11	.718	.072	9.031	.000	-8.385	-320.888
12-95	.000	.633	.000	.404	.00	1.31	.528	.053	22.069	.000	-21.594	-335.304
12-96	.000	1.301	.000	.831	.00	1.56	1.296	.129	22.247	.000	-21.080	-348.335
12-97	.000	1.949	.000	1.245	.00	2.18	2.714	.269	26.070	5.548	-29.173	-365.033
12-98	.000	.000	.000	.000	.00	1.75	.000	.000	21.900	.000	-21.900	-376.639
12-99	.000	46.946	.000	29.987	.00	1.94	58.034	5.751	59.775	192.630	-200.122	-472.330
12-00	.000	177.100	.000	113.123	.00	3.32	375.150	37.178	121.382	.000	216.590	-373.919
12-01	.000	297.205	.000	189.840	.00	3.29	624.216	61.859	148.686	.000	413.671	-199.884
12-02	.000	332.399	.000	212.320	.00	3.29	698.133	69.185	157.220	.000	471.728	-16.124
12-03	.000	323.815	.000	206.837	.00	3.29	680.104	67.398	149.286	.000	463.420	151.027
12-04	.000	340.005	.000	217.178	.00	3.29	714.107	70.768	150.149	.000	493.190	315.739
12-05	.000	355.966	.000	227.373	.00	3.29	747.629	74.090	151.320	.000	522.219	477.227
12-06	.000	350.375	.000	223.802	.00	3.29	735.887	72.927	147.075	.000	515.885	624.939
12-07	.000	336.360	.000	214.850	.00	3.29	706.452	70.010	140.877	.000	495.565	756.323
12-08	.000	321.560	.000	205.396	.00	3.29	675.366	66.929	134.733	.000	473.704	872.608
12-09	.000	280.659	.000	179.271	.00	3.29	589.464	58.416	121.863	.000	409.185	965.614
12-10	.000	235.754	.000	150.588	.00	3.29	495.151	49.070	108.137	.000	337.944	1036.738
12-11	.000	198.033	.000	126.494	.00	3.29	415.927	41.218	96.513	.000	278.196	1090.950
12-12	.000	166.348	.000	106.255	.00	3.29	349.379	34.623	86.666	.000	228.090	1132.105
12-13	.000	139.732	.000	89.254	.00	3.29	293.478	29.084	78.321	.000	186.073	1163.192
12-14	.000	117.375	.000	74.973	.00	3.29	246.520	24.430	71.245	.000	150.845	1186.527
12-15	.000	98.595	.000	62.978	.00	3.29	207.079	20.521	65.244	.000	121.314	1203.903
12-16	.000	82.820	.000	52.901	.00	3.29	173.945	17.238	60.148	.000	96.559	1216.709
12-17	.000	69.569	.000	44.437	.00	3.29	146.114	14.480	55.821	.000	75.813	1226.019
12-18	.000	58.437	.000	37.327	.00	3.29	122.736	12.163	52.145	.000	58.428	1232.663
12-19	.000	49.088	.000	31.355	.00	3.29	103.099	10.217	49.021	.000	43.861	1237.281
12-20	.000	41.234	.000	26.338	.00	3.29	86.602	8.582	46.362	.000	31.658	1240.367
12-21	.000	34.636	.000	22.124	.00	3.29	72.746	7.209	44.096	.000	21.441	1242.302
12-22	.000	29.094	.000	18.584	.00	3.29	61.106	6.056	42.169	.000	12.881	1243.379
12-23	.000	24.440	.000	15.611	.00	3.29	51.331	5.087	40.527	.000	5.717	1243.821
S TOT	.000	4512.750	.000	2882.520	.00	3.27	9435.311	935.042	2480.180	516.823	5503.266	1243.821
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	1243.821
TOTAL	.000	4512.750	.000	2882.520	.00	3.27	9435.311	935.042	2480.180	516.823	5503.266	1243.821
CUM.	.000	.000										
ULT.	.000	4512.750										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	9435.311				
TOTAL REVENUES (M$)	9435.311				

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	5503.266	30.0	-227.045
2.0	3793.745	35.0	-262.083
5.0	2183.322	40.0	-280.362
8.0	1243.821	45.0	-289.770
10.0	837.803	50.0	-294.372
12.0	545.439	60.0	-296.785
15.0	248.720	70.0	-295.604
18.0	60.866	80.0	-293.357
20.0	-25.477	90.0	-290.870
25.0	-159.341	100.0	-288.423

BTAX RATE OF RETURN (PCT)	19.41	PROJECT LIFE (YEARS)	34.000		
BTAX PAYOUT	12/23/2001	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	02/05/2003	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	11.65	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	4.03	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	5/01/90	INITIAL NET GAS FRACTION	.638750		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750		
WATER GROSS PROD. (MU)	226.732	WATER NET PRODUCTION (MU)	144.826	WATER NET REVENUES (M$)	.000

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101 ROSA UNIT #220
102 PROPNUM 81185-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 89 12 04 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	5/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	40.	.000	.000
320	3.	196.000	.000
340	3.	332.000	.000
341	3.	3.000	.000
342	3.	1.000	.000
343	3.	596.000	.000
344	3.	583.000	.000
345	3.	.000	.000
346	3.	244.000	.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	.000	.000
351	3.	827.000	.000
352	3.	1422.000	.000
353	3.	.000	.000
354	3.	1001.000	2000.000
355	3.	.000	.000
356	3.	.000	.000
357	3.	.000	.000
358	3.	.000	.000
359	3.	.000	.000
360	3.	.000	.000
361	3.	910.000	.000
362	3.	330.000	.000
363	3.	33180.000	6960.000
364	3.	37578.000	6400.000
365	3.	34334.000	5900.000
366	3.	47253.000	6500.000
367	3.	51410.000	5350.000
368	3.	57154.000	5440.000
369	3.	68292.000	5280.000
370	3.	80595.000	5520.000
371	3.	84385.000	5160.000
372	3.	77491.000	4960.000
373	3.	81573.000	4860.000
374	3.	85278.000	5760.000
375	3.	87609.000	5280.000
376	3.		

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-5.000	862.184	X	2.830	IYRS	D		
CALC	GAS	EXP	END=	-5.000	862.184	989.842	16.747	YRS	D	1787.585	MMCF
411	GAS	EXP		4.000	LAST	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.000	989.842	875.748	19.747	YRS	D	2807.721	MMCF
412	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	875.748	4.686	49.747	YRS	D	4631.247	MMCF
420	WATER	EXP		10.709	51.720	X	35.767	IYRS	D		
CALC	WATER	EXP	END=	10.709	51.720	.900	49.684	YRS	D	239.133	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9972 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1994.0 AD : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1990.400	AD	G	230.300	159.400	46.800		
806	! PUMP								
806	INVEST	1997.500	AD	G	7.600	.000	.000		
807	! RECAV								
807	INVEST	1999.850	AD	G	.000	263.877	.000		

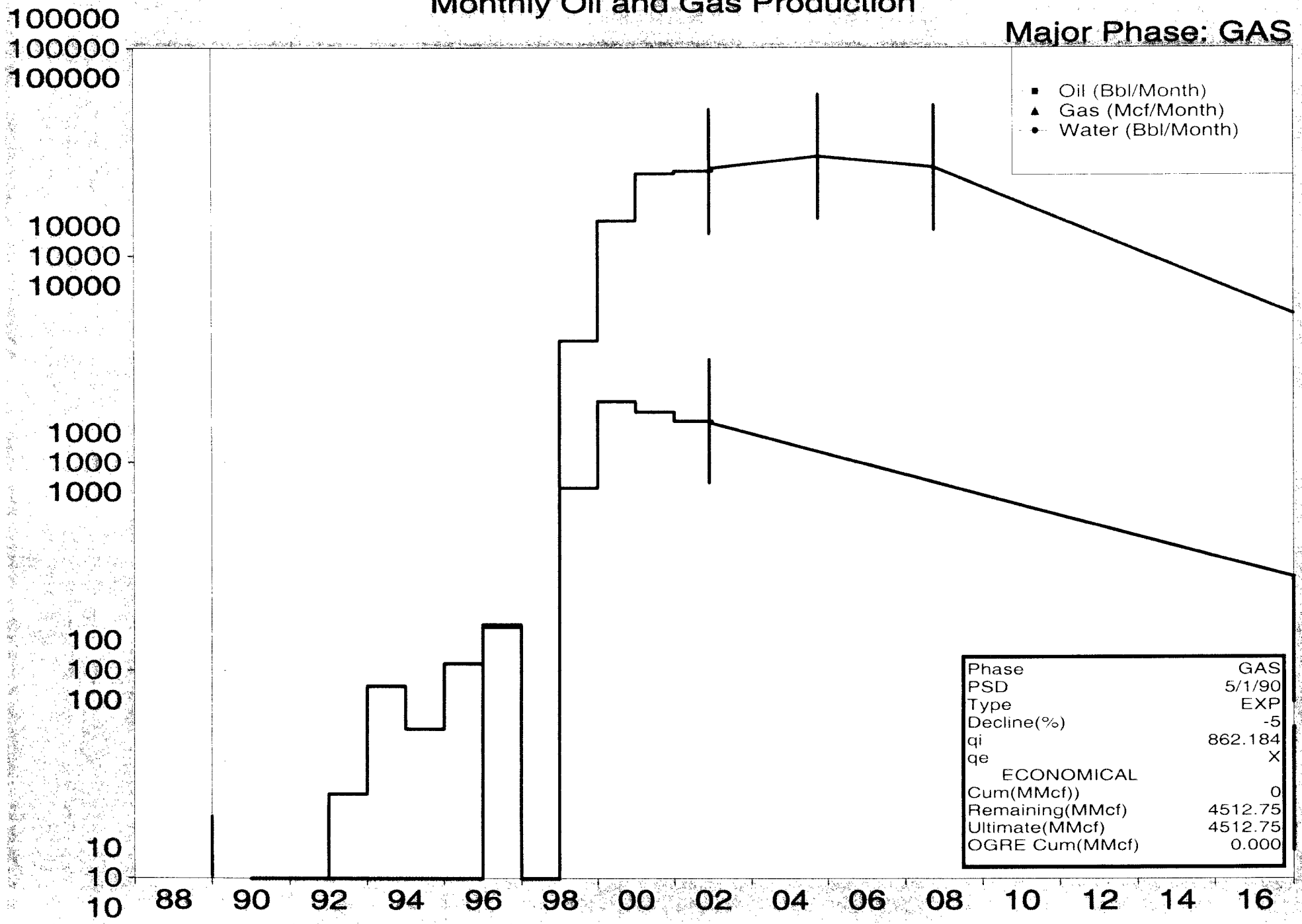
```
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON
```

ECONOMIC LIFE	(YRS):	34.000
GROSS GAS	(MMCF):	4512.750
GROSS WATER	(MU):	226.732

ROSA UNIT #220
31N 6W 13B

Monthly Oil and Gas Production



ROSA UNIT #221
PROPNUM 81225-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/04/03
TIME: 13:30:09
FILE: FTC_COM
PROP: 21
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.51	.000	.000	.000	178.645	-178.645	-167.547
12-92	.000	.000	.000	.000	.00	1.73	.000	.000	.000	.000	.000	-167.547
12-93	.000	.000	.000	.000	.00	1.50	.000	.000	.000	.000	.000	-167.547
12-94	.000	.000	.000	.000	.00	1.08	.000	.000	.000	.000	.000	-167.547
12-95	.000	.000	.000	.000	.00	1.28	.000	.000	.000	.000	.000	-167.547
12-96	.000	.000	.000	.000	.00	1.52	.000	.000	.000	.000	.000	-167.547
12-97	.000	.000	.000	.000	.00	2.13	.000	.000	2.336	12.190	-14.526	-175.941
12-98	.000	1.745	.000	1.115	.00	1.71	1.903	.188	30.969	.000	-29.254	-191.950
12-99	.000	6.127	.000	3.914	.00	1.89	7.399	.733	42.038	.000	-35.372	-209.873
12-00	.000	63.591	.000	40.619	.00	3.24	131.584	13.040	78.617	228.651	-188.724	-300.501
12-01	.000	154.266	.000	98.537	.00	3.21	316.496	31.365	109.247	.000	175.884	-224.094
12-02	.000	206.101	.000	131.647	.00	3.21	422.843	41.904	120.707	5.986	254.246	-121.882
12-03	.000	213.873	.000	136.611	.00	3.21	438.788	43.484	120.624	.000	274.680	-19.579
12-04	.000	224.567	.000	143.442	.00	3.21	460.728	45.659	119.663	.000	295.406	82.294
12-05	.000	229.548	.000	146.624	.00	3.21	470.949	46.671	117.626	.000	306.652	180.211
12-06	.000	218.866	.000	139.801	.00	3.21	449.034	44.499	111.874	.000	292.661	266.739
12-07	.000	207.923	.000	132.811	.00	3.21	426.582	42.274	106.378	.000	277.930	342.825
12-08	.000	191.289	.000	122.186	.00	3.21	392.455	38.892	99.686	.000	253.877	407.178
12-09	.000	161.439	.000	103.119	.00	3.21	331.213	32.823	89.813	.000	208.577	456.132
12-10	.000	135.609	.000	86.620	.00	3.21	278.219	27.572	81.213	.000	169.434	492.953
12-11	.000	113.911	.000	72.761	.00	3.21	233.705	23.160	73.896	.000	136.649	520.450
12-12	.000	95.686	.000	61.119	.00	3.21	196.311	19.454	67.666	.000	109.191	540.794
12-13	.000	80.376	.000	51.340	.00	3.21	164.901	16.342	62.356	.000	86.203	555.665
12-14	.000	67.516	.000	43.126	.00	3.21	138.518	13.728	57.828	.000	66.962	566.361
12-15	.000	56.713	.000	36.225	.00	3.21	116.353	11.531	53.969	.000	50.853	573.882
12-16	.000	47.639	.000	30.429	.00	3.21	97.736	9.685	50.670	.000	37.381	579.001
12-17	.000	40.017	.000	25.561	.00	3.21	82.101	8.136	47.854	.000	26.111	582.312
12-18	.000	33.614	.000	21.471	.00	3.21	68.964	6.835	45.445	.000	16.684	584.271
12-19	.000	28.236	.000	18.036	.00	3.21	57.931	5.741	43.385	.000	8.805	585.228
12-20	.000	23.718	.000	15.150	.00	3.21	48.661	4.822	41.622	.000	2.217	585.451
S TOT	.000	2602.370	.000	1662.264	.00	3.21	5333.374	528.538	1775.482	425.471	2603.883	585.451
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	585.451
TOTAL	.000	2602.370	.000	1662.264	.00	3.21	5333.374	528.538	1775.482	425.471	2603.883	585.451
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			5333.374					
ULT.	.000	2602.370		TOTAL REVENUES (M$)			5333.374					

						PRESENT WORTH PROFILE		
						DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)	18.93	PROJECT LIFE (YEARS)	30.000			.0	2603.882	30.0	-109.138
BTAX PAYOUT	01/22/2003	DISCOUNT RATE (PCT)	8.000			2.0	1801.980	35.0	-121.458
BTAX PAYOUT (DISC)	03/10/2004	GROSS OIL WELLS	.000			5.0	1036.487	40.0	-126.070
BTAX NET INCOME/INVEST	7.12	GROSS GAS WELLS	1.000			8.0	585.451	45.0	-126.808
BTAX NET INCOME/INVEST (DISC)	3.04	GROSS WELLS	2.000			10.0	389.916	50.0	-125.603
						12.0	249.281	60.0	-120.854
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000			15.0	107.348	70.0	-115.328
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000			18.0	18.691	80.0	-109.990
PRODUCTION START DATE	10/01/92	INITIAL NET GAS FRACTION	.638750			20.0	-21.343	90.0	-105.066
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750			25.0	-81.295	100.0	-100.583
WATER GROSS PROD. (MU)	219.779	WATER NET PRODUCTION (MU)	140.385			WATER NET REVENUES (M$)		.000	

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101 ROSA UNIT #221
102 PROPNUM 81225-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATFAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
120 1 90 12 09 01 1990 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	10/01/1992

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

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300 SERIES LINES:
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	MAN	GAS	WATER
305	FACT	1.000	1.000
310	60.	.000	.000
320	3.	.000	1280.000
356	3.	203.000	960.000
357	3.	460.000	1680.000
358	3.	764.000	1680.000
359	3.	318.000	400.000
360	3.	214.000	160.000
361	3.	2137.000	1840.000
362	3.	1039.000	1680.000
363	3.	2737.000	1680.000
364	3.	601.000	1040.000
365	3.	9187.000	3120.000
366	3.	25753.000	6980.000
367	3.	28050.000	6060.000
368	3.	31214.000	5040.000
369	3.	36337.000	5360.000
370	3.	41683.000	5600.000
371	3.	45032.000	5040.000
372	3.	50873.000	5120.000
373	3.	52168.000	4960.000
374	3.	51104.000	4960.000
375	3.	51956.000	4880.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-5.000	571.776	X	2.268	IYRS	D		
CALC	GAS	EXP	END=	-5.000	571.776	638.680	15.268	YRS	D	932.339	MMCF
411	GAS	EXP		5.000	LAST	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	5.000	638.680	547.588	18.268	YRS	D	1580.542	MMCF
412	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	547.588	2.930	48.268	YRS	D	2720.757	MMCF
420	WATER	EXP		10.935	54.444	X	35.307	IYRS	D		
CALC	WATER	EXP	END=	10.935	54.444	.913	48.307	YRS	D	238.245	M-UNITS

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600 SERIES LINES:
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602 DATA BTU : 0.9741 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1998.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
* 644 1.89 UNTIL 1993 AD
* 645 1.63 UNTIL 1994 AD
* 646 1.18 UNTIL 1995 AD
* 647 1.39 UNTIL 1996 AD
* 648 1.66 UNTIL 1997 AD
* 649 2.32 UNTIL 1998 AD
* 650 1.86 UNTIL 1999 AD
* 651 2.06 UNTIL 2000 AD
* 652 3.53 UNTIL 2001 AD
* 653 3.50 UNTIL 2002 AD
* 654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
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	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.500	AD	G	135.870	108.849	.000		
806	! INSTALL ROD PUMP								
806	INVEST	1997.850	AD	G	16.698	.000	.000		
807	! RECAV								
807	INVEST	2000.250	AD	G	162.230	150.990	.000		
808	! CHANGE PUMP								
808	INVEST	2002.200	AD	G	.000	8.200	.000		

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853 CASE $GATHNET88
* 658 COMPUTE GASC = GASC / WI
* 659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON
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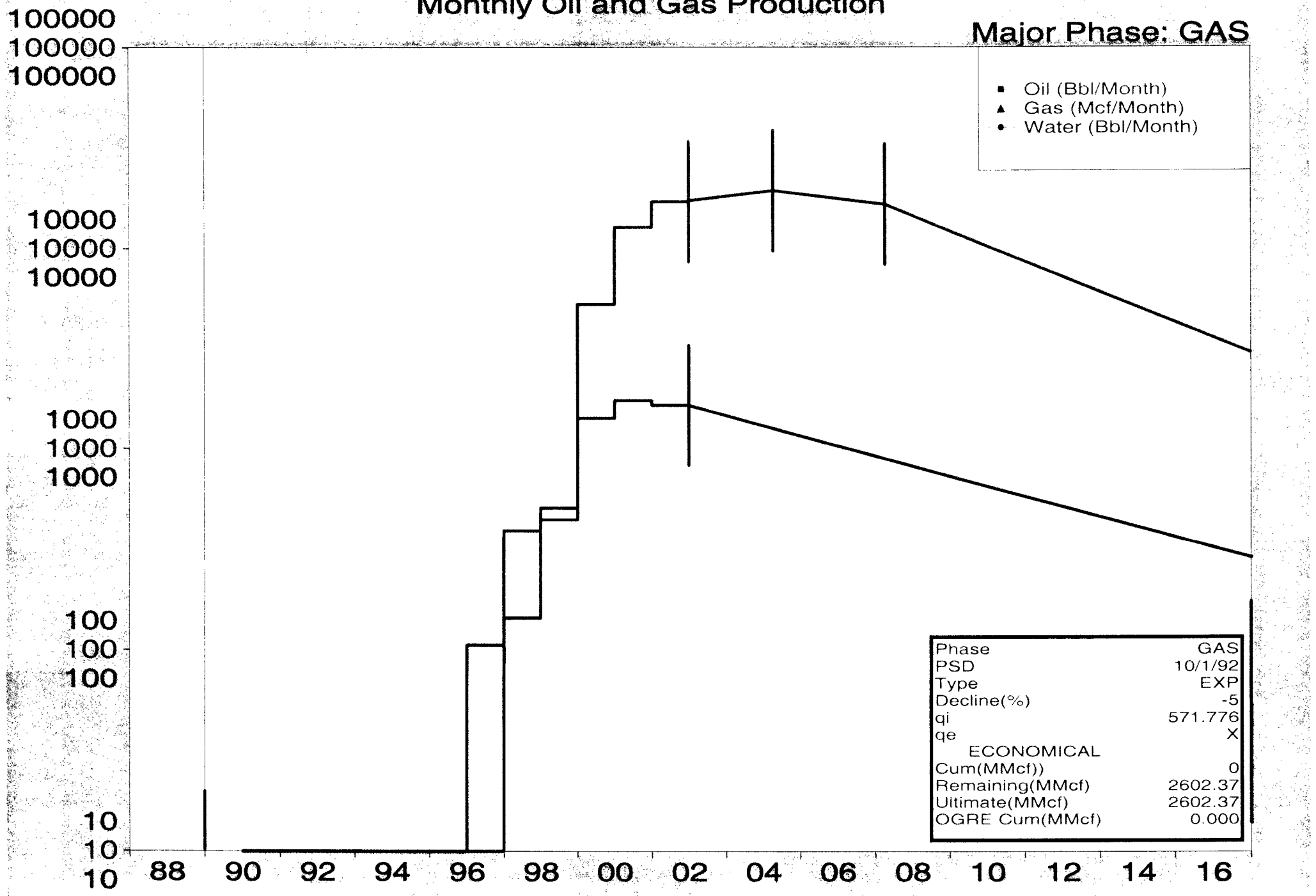
ECONOMIC LIFE	(YRS):	30.000
GROSS GAS	(MMCF):	2602.370
GROSS WATER	(MU):	219.779

ROSA UNIT #221
31N 5W 18A

Monthly Oil and Gas Production



ROSA UNIT #222
PROPNUM 81124-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/04/03
TIME: 13:36:16
FILE: FTC_COM
PROP: 22
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF OCTOBER 1, 1989

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-90	.000	15.176	.000	9.694	.00	1.17	11.367	1.126	19.178	187.933	-196.870	-185.801
12-91	.000	6.304	.000	4.027	.00	1.54	6.183	.612	26.397	.000	-20.826	-204.003
12-92	.000	.675	.000	.431	.00	1.76	.758	.075	13.922	.000	-13.239	-214.717
12-93	.000	.791	.000	.505	.00	1.52	.766	.076	12.000	.000	-11.310	-223.192
12-94	.000	.043	.000	.027	.00	1.10	.030	.003	9.178	.000	-9.151	-229.541
12-95	.000	.318	.000	.203	.00	1.29	.263	.026	2.385	.000	-2.148	-230.921
12-96	.000	.000	.000	.000	.00	1.54	.000	.000	.000	.000	.000	-230.921
12-97	.000	.000	.000	.000	.00	2.16	.000	.000	.000	.000	.000	-230.921
12-98	.000	.976	.000	.623	.00	1.73	1.078	.107	32.342	.000	-31.371	-246.919
12-99	.000	36.853	.000	23.540	.00	1.92	45.127	4.472	52.578	131.111	-143.034	-314.841
12-00	.000	43.886	.000	28.032	.00	3.29	92.086	9.126	57.493	.000	25.467	-303.706
12-01	.000	40.579	.000	25.920	.00	3.26	84.425	8.366	55.250	.000	20.809	-295.282
12-02	.000	43.333	.000	27.679	.00	3.26	90.154	8.934	53.642	4.373	23.205	-286.616
12-03	.000	41.779	.000	26.686	.00	3.26	86.920	8.614	52.647	.000	25.659	-277.710
12-04	.000	38.493	.000	24.587	.00	3.26	80.083	7.936	50.292	.000	21.855	-270.687
12-05	.000	32.697	.000	20.885	.00	3.26	68.025	6.741	47.472	.000	13.812	-266.577
12-06	.000	26.527	.000	16.944	.00	3.26	55.189	5.469	44.731	.000	4.989	-265.202
S TOT	.000	328.430	.000	209.783	.00	2.97	622.454	61.683	529.507	323.416	-292.152	-265.202
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-265.202
TOTAL	.000	328.430	.000	209.783	.00	2.97	622.454	61.683	529.507	323.416	-292.152	-265.202
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			622.454					
ULT.	.000	328.430		TOTAL REVENUES (M$)			622.454					

BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	17.000		--------PRESENT WORTH PROFILE---------			
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000	5.0	-276.854	40.0	-180.312
BTAX NET INCOME/INVEST	.10	GROSS GAS WELLS	1.000	8.0	-265.202	45.0	-173.061
BTAX NET INCOME/INVEST (DISC)	-.10	GROSS WELLS	2.000	10.0	-257.387	50.0	-166.654
				12.0	-249.785	60.0	-155.768
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000	15.0	-239.025	70.0	-146.755
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000	18.0	-229.168	80.0	-139.078
PRODUCTION START DATE	2/01/90	INITIAL NET GAS FRACTION	.638750	20.0	-223.109	90.0	-132.401
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750	25.0	-209.651	100.0	-126.510
WATER GROSS PROD. (MU)	67.799	WATER NET PRODUCTION (MU)	43.307	WATER NET REVENUES (M$)			.000

101 ROSA UNIT #222
102 PROPNUM 81124-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATFAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
120 1 89 12 10 01 1989 8 2

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	2/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	2.	.000	.000
326	3.	710.000	.000
327	3.	10716.000	1670.000
328	3.	3750.000	2242.000
329	3.	1363.000	2455.000
330	3.	4219.000	2669.000
331	3.	722.000	2020.000
332	3.	.000	1608.000
333	3.	.000	1608.000
334	3.	675.000	513.000
335	3.	.000	150.000
336	3.	.000	460.000
337	3.	.000	450.000
338	3.	11.000	596.000
339	3.	.000	460.000
340	3.	780.000	155.000
341	3.	.000	.000
342	3.	.000	.000
343	3.	.000	.000
344	3.	43.000	223.000
345	3.	77.000	450.000
346	3.	232.000	685.000
347	3.	9.000	126.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	.000	.000
351	3.	.000	.000
352	3.	.000	.000
353	3.	.000	.000
354	3.	.000	.000
355	3.	.000	.000
356	3.	.000	.000
357	3.	.000	.000
358	3.	43.000	300.000
359	3.	391.000	480.000
360	3.	542.000	.000
361	3.	.000	95.000
362	3.	8318.000	2140.000
363	3.	16185.000	1740.000
364	3.	12350.000	2700.000
365	3.	12637.000	2340.000
366	3.	9712.000	2220.000
367	3.	11844.000	1740.000
368	3.	9693.000	2050.000
369	3.	9389.000	1840.000
370	3.	9728.000	2080.000
371	3.	10506.000	1680.000
372	3.	10956.000	2000.000
373	3.	9782.000	1600.000
374	3.	11000.000	1520.000
375	3.	11238.000	1760.000
376	3.	11313.000	1440.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		7.700	119.110	X	1.830	IYRS	D		
CALC	GAS	EXP	END=	7.700	119.110	102.865	15.830	YRS	D	262.936	MMCF
411	GAS	EXP		18.870	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	18.870	102.865	.194	45.830	YRS	D	442.141	MMCF
420	WATER	EXP		13.600	17.670	X	31.760	IYRS	D		
CALC	WATER	EXP	END=	13.600	17.670	.170	45.760	YRS	D	91.960	M-UNITS

600 SERIES LINES:
602 DATA BTU : 0.9878 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 0 UNTIL 1998.0 AD THEN 3500 LIFE

629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
* 644 1.89 UNTIL 1993 AD
* 645 1.63 UNTIL 1994 AD

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*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   532 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE

          INV NAME          INV. POINT          (G OR N)      TANG-M$    INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
          --------     --------------------     --------      -------    ---------   ---------   ---------   ---------
   805      INVEST      1990.500     AD             G          137.400     120.042        .000
   806 ! RECAV
   806      INVEST      1999.420     AD             G           79.600     100.004        .000
   807 ! CHANGE PUMP
   807      INVEST      2002.250     AD             G            5.990        .000        .000

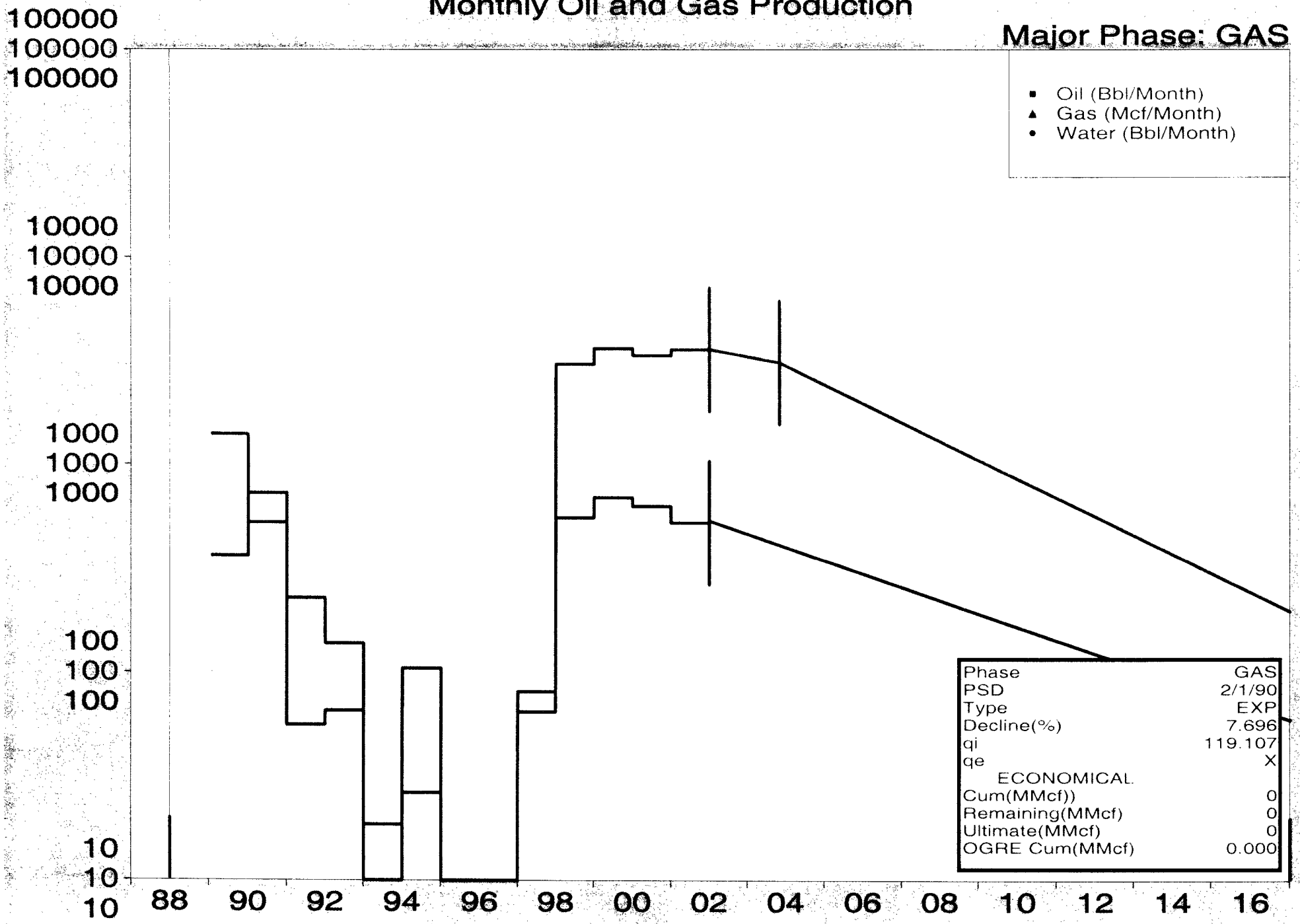
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):          17.000
   GROSS GAS      (MMCF):        328.430
   GROSS WATER      (MU):         67.799
```

ROSA UNIT #222
31N 6W 15H

Monthly Oil and Gas Production



ROSA UNIT #223
PROPNUM 81415-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/04/03
TIME: 13:44:38
FILE: FTC_COM
PROP: 23
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.53	.000	.000	.000	181.453	-181.453	-174.156
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	2.190	.000	-2.190	-176.004
12-93	.000	.629	.000	.402	.00	1.52	.609	.061	11.036	.000	-10.488	-184.437
12-94	.000	.291	.000	.186	.00	1.10	.204	.020	11.319	.000	-11.135	-192.727
12-95	.000	.000	.000	.000	.00	1.29	.000	.000	.000	.000	.000	-192.727
12-96	.000	.000	.000	.000	.00	1.54	.000	.000	.000	.000	.000	-192.727
12-97	.000	.002	.000	.001	.00	2.16	.002	.000	5.841	.000	-5.839	-196.178
12-98	.000	64.924	.000	41.470	.00	1.73	71.709	7.107	72.906	160.661	-168.965	-287.969
12-99	.000	273.260	.000	174.545	.00	1.92	334.273	33.127	158.330	.000	142.816	-215.603
12-00	.000	304.021	.000	194.193	.00	3.28	637.286	63.155	155.043	.000	419.088	-18.978
12-01	.000	356.780	.000	227.893	.00	3.25	741.524	73.485	166.867	.000	501.172	198.741
12-02	.000	382.127	.000	244.084	.00	3.25	794.207	78.706	171.805	.000	543.696	417.437
12-03	.000	372.154	.000	237.713	.00	3.25	773.476	76.652	166.032	.000	530.792	615.128
12-04	.000	349.825	.000	223.451	.00	3.25	727.070	72.052	155.568	.000	499.450	787.366
12-05	.000	314.898	.000	201.141	.00	3.25	654.478	64.859	142.336	.000	447.283	930.189
12-06	.000	258.921	.000	165.386	.00	3.25	538.137	53.329	124.047	.000	360.761	1036.851
12-07	.000	212.315	.000	135.616	.00	3.25	441.271	43.730	108.664	.000	288.877	1115.933
12-08	.000	174.098	.000	111.205	.00	3.25	361.842	35.859	95.872	.000	230.111	1174.261
12-09	.000	142.761	.000	91.189	.00	3.25	296.713	29.404	85.231	.000	182.078	1216.995
12-10	.000	117.063	.000	74.774	.00	3.25	243.302	24.111	76.369	.000	142.822	1248.033
12-11	.000	95.992	.000	61.315	.00	3.25	199.508	19.772	68.984	.000	110.752	1270.319
12-12	.000	78.714	.000	50.279	.00	3.25	163.599	16.213	62.826	.000	84.560	1286.074
12-13	.000	64.545	.000	41.228	.00	3.25	134.149	13.294	57.684	.000	63.171	1296.972
12-14	.000	52.927	.000	33.807	.00	3.25	110.002	10.901	53.386	.000	45.715	1304.274
12-15	.000	43.400	.000	27.722	.00	3.25	90.203	8.939	49.795	.000	31.469	1308.928
12-16	.000	35.588	.000	22.732	.00	3.25	73.966	7.330	46.788	.000	19.848	1311.646
12-17	.000	29.183	.000	18.641	.00	3.25	60.655	6.011	44.268	.000	10.376	1312.962
12-18	.000	23.929	.000	15.285	.00	3.25	49.735	4.929	42.156	.000	2.650	1313.273
S TOT	.000	3748.347	.000	2394.258	.00	3.13	7497.920	743.046	2135.343	342.115	4277.417	1313.273
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	1313.273
TOTAL	.000	3748.347	.000	2394.258	.00	3.13	7497.920	743.046	2135.343	342.115	4277.417	1313.273
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			7497.920	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	3748.347		TOTAL REVENUES (M$)			7497.920	RATE	BTAX, M$	RATE	BTAX, M$	
								.0	4277.417	30.0	-35.565	
BTAX RATE OF RETURN (PCT)		27.80	PROJECT LIFE (YEARS)				28.000	2.0	3162.646	35.0	-81.256	
BTAX PAYOUT		07/25/2000	DISCOUNT RATE (PCT)				8.000	5.0	2031.491	40.0	-107.338	
BTAX PAYOUT (DISC)		01/31/2001	GROSS OIL WELLS				.000	8.0	1313.273	45.0	-122.159	
BTAX NET INCOME/INVEST		13.50	GROSS GAS WELLS				1.000	10.0	981.423	50.0	-130.369	
BTAX NET INCOME/INVEST (DISC)		6.02	GROSS WELLS				2.000	12.0	730.503	60.0	-136.502	
INITIAL W.I. FRACTION		.730000	INITIAL NET OIL FRACTION				.000000	15.0	461.105	70.0	-136.429	
FINAL W.I. FRACTION		.730000	FINAL NET OIL FRACTION				.000000	18.0	279.065	80.0	-134.051	
PRODUCTION START DATE		10/01/92	INITIAL NET GAS FRACTION				.638750	20.0	190.892	90.0	-130.879	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.638750	25.0	45.222	100.0	-127.520	
WATER GROSS PROD. (MU)		264.399	WATER NET PRODUCTION (MU)				168.886	WATER NET REVENUES (M$)			.000	

```
101 ROSA UNIT #223
102 PROPNUM 81415-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 90 12 09 01 1990 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	10/01/1992

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	6.	.000	.000
320	3.	85.000	438.000
338	3.	506.000	644.000
339	3.	38.000	74.000
340	3.	76.000	.000
341	3.	215.000	1280.000
342	3.	.000	80.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	.000	.000
351	3.	.000	.000
352	3.	.000	.000
353	3.	.000	.000
354	3.	.000	80.000
355	3.	2.000	480.000
356	3.	.000	2640.000
357	3.	.000	.000
358	3.	.000	.000
359	3.	26291.000	6000.000
360	3.	38633.000	7760.000
361	3.	51270.000	7320.000
362	3.	61982.000	7040.000
363	3.	77907.000	7640.000
364	3.	82101.000	8440.000
365	3.	86968.000	6800.000
366	3.	72356.000	4350.000
367	3.	70451.000	6000.000
368	3.	74246.000	7040.000
369	3.	82654.000	5760.000
370	3.	92735.000	5920.000
371	3.	87607.000	5360.000
372	3.	93784.000	6000.000
373	3.	100025.000	5240.000
374	3.	96071.000	5760.000
375	3.	92512.000	5880.000
376	3.	93519.000	5200.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		6.000	1051.469	X	2.192	IYRS	D		
CALC	GAS	EXP	END=	6.000	1051.469	918.106	15.192	YRS	D	2168.737	MMCF
411	GAS	EXP		18.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	18.000	918.106	2.384	45.192	YRS	D	3852.974	MMCF
420	WATER	EXP		12.310	59.523	X	32.140	IYRS	D		
CALC	WATER	EXP	END=	12.310	59.523	.873	45.140	YRS	D	282.189	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9868 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 0 UNTIL 1998.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.200 AD	G	148.566	100.000	.000		
806	! RECAV							
806	INVEST	1998.600 AD	G	120.084	100.000	.000		

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  853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

  855 NOLOSS = ON
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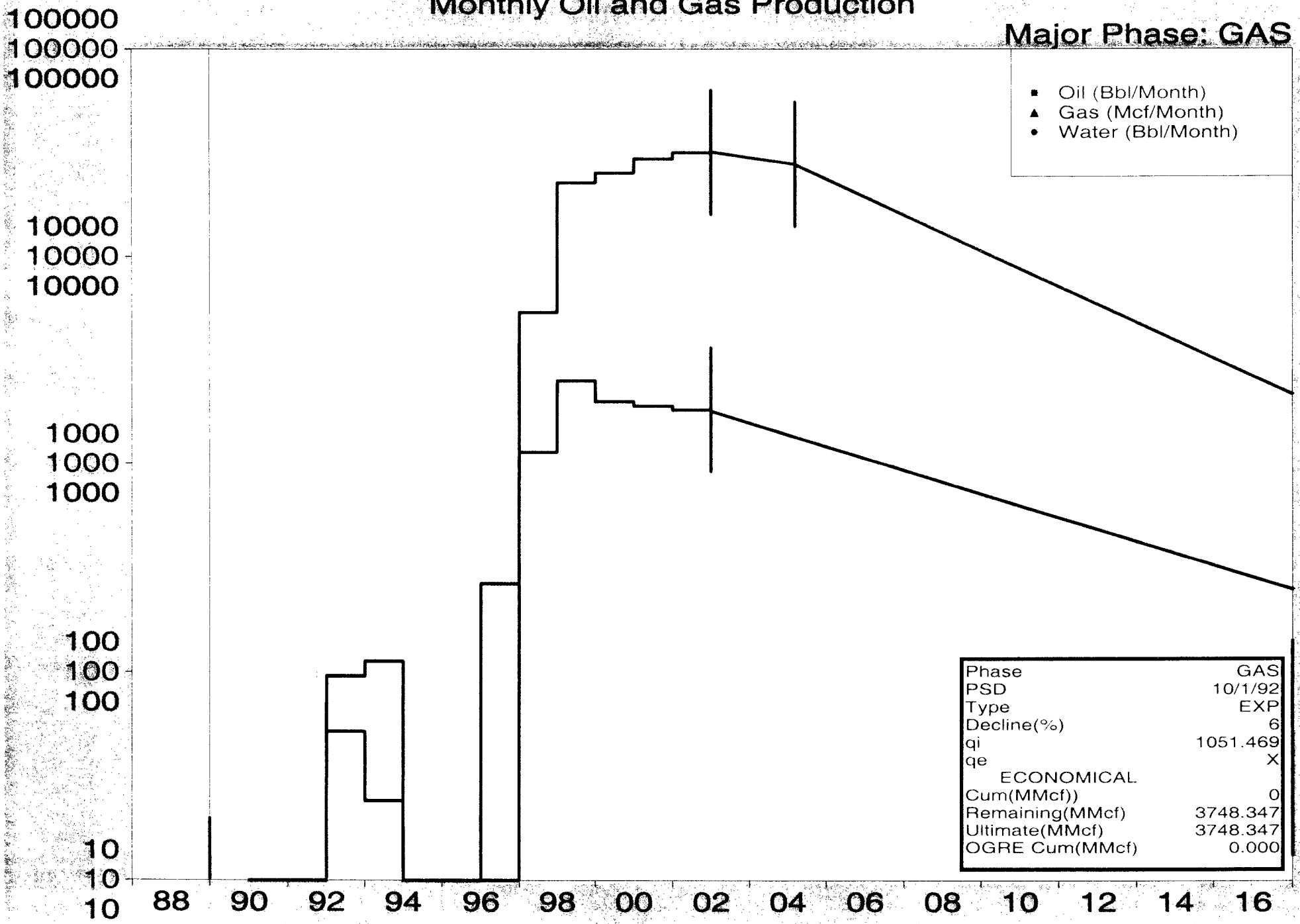
ECONOMIC LIFE	(YRS):	28.000
GROSS GAS	(MMCF):	3748.347
GROSS WATER	(MU):	264.399

ROSA UNIT #223
31N 5W 30A
Monthly Oil and Gas Production



ROSA UNIT #224
PROPNUM 81223-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
SAN JUAN COUNTY ,NM

DATE: 08/04/03
TIME: 13:49:22
FILE: FTC_COM
PROP: 24
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	64.702	.000	42.804	.00	1.46	62.299	6.174	31.755	293.190	-268.820	-264.600
12-92	.000	168.682	.000	111.594	.00	1.67	186.044	18.437	91.506	.000	76.101	-198.088
12-93	.000	182.642	.000	120.829	.00	1.44	173.728	17.217	108.920	.000	47.591	-159.575
12-94	.000	240.011	.000	158.782	.00	1.04	165.270	16.378	80.347	.000	68.545	-108.214
12-95	.000	222.767	.000	147.374	.00	1.23	180.696	17.907	107.623	.000	55.166	-69.940
12-96	.000	196.740	.000	130.156	.00	1.46	190.583	18.886	102.444	.000	69.253	-25.451
12-97	.000	429.749	.000	284.306	.00	2.05	581.817	57.659	169.947	.000	354.211	185.243
12-98	.000	793.805	.000	525.152	.00	1.64	861.609	85.386	238.762	.000	537.461	481.257
12-99	.000	740.042	.000	489.584	.00	1.82	889.624	88.162	229.599	.000	571.863	772.888
12-00	.000	924.688	.000	611.739	.00	3.11	1904.815	188.767	276.903	.000	1439.145	1452.440
12-01	.000	856.297	.000	566.494	.00	3.09	1748.942	173.320	257.451	.000	1318.171	2028.764
12-02	.000	591.460	.000	391.288	.00	3.09	1208.027	119.715	189.458	8.738	890.116	2389.026
12-03	.000	577.012	.000	381.730	.00	3.09	1178.518	116.792	185.466	.000	876.260	2717.484
12-04	.000	530.475	.000	350.942	.00	3.09	1083.466	107.372	172.903	.000	803.191	2996.252
12-05	.000	487.693	.000	322.639	.00	3.09	996.086	98.712	161.362	.000	736.012	3232.781
12-06	.000	428.991	.000	283.804	.00	3.09	876.191	86.830	145.733	.000	643.628	3424.300
12-07	.000	360.353	.000	238.396	.00	3.09	736.002	72.938	127.565	.000	535.499	3571.840
12-08	.000	302.696	.000	200.252	.00	3.09	618.240	61.268	112.284	.000	444.688	3685.285
12-09	.000	254.265	.000	168.212	.00	3.09	519.322	51.465	99.424	.000	368.433	3772.314
12-10	.000	213.583	.000	141.299	.00	3.09	436.234	43.231	88.604	.000	304.399	3838.891
12-11	.000	179.409	.000	118.690	.00	3.09	366.433	36.314	79.495	.000	250.624	3889.646
12-12	.000	150.704	.000	99.700	.00	3.09	307.805	30.503	71.831	.000	205.471	3928.175
12-13	.000	126.591	.000	83.748	.00	3.09	258.556	25.623	65.377	.000	167.556	3957.267
12-14	.000	106.336	.000	70.348	.00	3.09	217.186	21.523	59.944	.000	135.719	3979.086
12-15	.000	89.323	.000	59.093	.00	3.09	182.438	18.079	55.368	.000	108.991	3995.310
12-16	.000	75.031	.000	49.638	.00	3.09	153.248	15.187	51.513	.000	86.548	4007.239
12-17	.000	63.026	.000	41.696	.00	3.09	128.728	12.757	48.267	.000	67.704	4015.879
12-18	.000	52.942	.000	35.024	.00	3.09	108.130	10.716	45.530	.000	51.884	4022.010
12-19	.000	44.472	.000	29.421	.00	3.09	90.832	9.002	43.225	.000	38.605	4026.234
12-20	.000	37.355	.000	24.713	.00	3.09	76.297	7.561	41.281	.000	27.455	4029.015
12-21	.000	31.379	.000	20.759	.00	3.09	64.089	6.351	39.641	.000	18.097	4030.713
12-22	.000	26.359	.000	17.438	.00	3.09	53.836	5.335	38.259	.000	10.242	4031.603
12-23	.000	22.141	.000	14.648	.00	3.09	45.223	4.482	37.092	.000	3.649	4031.896
S TOT	.000	9571.721	.000	6332.292	.00	2.63	16650.314	1650.049	3654.879	301.928	11043.458	4031.896
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	4031.896
TOTAL	.000	9571.721	.000	6332.292	.00	2.63	16650.314	1650.049	3654.879	301.928	11043.458	4031.896
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			16650.314	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	9571.721		TOTAL REVENUES (M$)			16650.314	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		46.62	PROJECT LIFE (YEARS)				33.000	.0	11043.458	30.0	388.902	
BTAX PAYOUT		06/07/1996	DISCOUNT RATE (PCT)				8.000	2.0	8440.098	35.0	213.045	
BTAX PAYOUT (DISC)		02/21/1997	GROSS OIL WELLS				.000	5.0	5767.893	40.0	96.826	
BTAX NET INCOME/INVEST		37.58	GROSS GAS WELLS				1.000	8.0	4031.896	45.0	17.849	
BTAX NET INCOME/INVEST (DISC)		14.84	GROSS WELLS				2.000	10.0	3208.681	50.0	-37.166	
								12.0	2571.075	60.0	-104.786	
INITIAL W.I. FRACTION		.730000	INITIAL NET OIL FRACTION				.000000	15.0	1863.234	70.0	-141.595	
FINAL W.I. FRACTION		.730000	FINAL NET OIL FRACTION				.000000	18.0	1362.383	80.0	-162.881	
PRODUCTION START DATE		10/01/90	INITIAL NET GAS FRACTION				.661563	20.0	1109.060	90.0	-175.781	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.661563	25.0	663.655	100.0	-183.879	
WATER GROSS PROD. (MU)		155.233	WATER NET PRODUCTION (MU)				102.699	WATER NET REVENUES (M$)			.000	

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101 ROSA UNIT #224
102 PROPNUM 81223-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 SAN JUAN COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.66156250	3.650	9.000	1.0	
224	WATER	.000	.66156250	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	3.	.000	.000
320	3.	3486.000	.000
329	3.	13408.000	1176.000
330	3.	11567.000	1080.000
331	3.	36241.000	1149.000
332	3.	44421.000	2276.000
333	3.	42570.000	3867.000
334	3.	40818.000	3999.000
335	3.	40873.000	11227.000
336	3.	30434.000	12023.000
337	3.	37131.000	11542.000
338	3.	52805.000	1217.000
339	3.	62272.000	4145.000
340	3.	72976.000	2320.000
341	3.	58884.000	1263.000
342	3.	57045.000	326.000
343	3.	51106.000	1209.000
344	3.	47945.000	80.000
345	3.	53832.000	1287.000
346	3.	61007.000	9061.000
347	3.	59983.000	4886.000
348	3.	61509.000	4310.000
349	3.	52165.000	3685.000
350	3.	50843.000	4580.000
351	3.	32223.000	3600.000
352	3.	46901.000	6800.000
353	3.	78660.000	6640.000
354	3.	135869.000	3890.000
355	3.	168319.000	2720.000
356	3.	193431.000	2640.000
357	3.	191113.000	900.000
358	3.	206009.000	1280.000
359	3.	203252.000	1200.000
360	3.	195503.000	1280.000
361	3.	184608.000	720.000
362	3.	177644.000	640.000
363	3.	182287.000	1200.000
364	3.	195961.000	940.000
365	3.	237557.000	1380.000
366	3.	253019.000	660.000
367	3.	238151.000	540.000
368	3.	229828.000	700.000
369	3.	221328.000	820.000
370	3.	224632.000	500.000
371	3.	180509.000	560.000
372	3.	166079.000	560.000
373	3.	153394.000	960.000
374	3.	140344.000	880.000
375	3.	131643.000	560.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		8.065	1648.251	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	8.065	1648.251	1280.755	16.000	YRS	D	7006.765	MMCF
411	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	1280.755	6.852	46.000	YRS	D	9673.615	MMCF
420	WATER	EXP		9.571	8.138	X	32.948	IYRS	D		
CALC	WATER	EXP	END=	9.571	8.138	.296	45.948	YRS	D	157.730	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9363 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
```

```
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.000	AD	G	226.310	175.320	.000		
806	! INSTALL ROD PUMP								
806	INVEST	2002.200	AD	G	.000	11.970	.000		

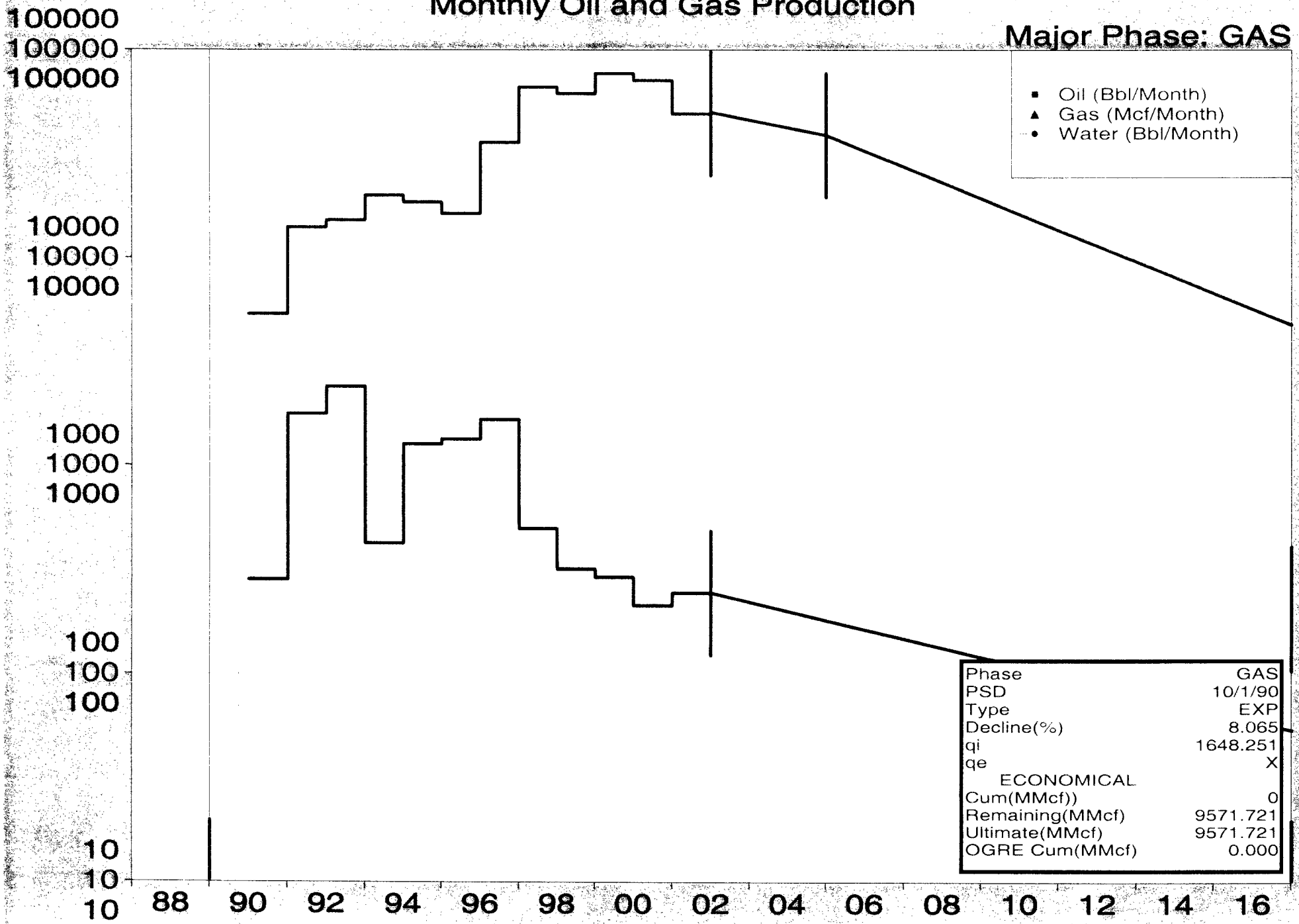
```
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):          33.000
   GROSS GAS      (MMCF):       9571.721
   GROSS WATER      (MU):        155.233
```

ROSA UNIT #224
31N 6W 8B

Monthly Oil and Gas Production



ROSA UNIT #225
PROPNUM 81416-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/04/03
TIME: 14:11:07
FILE: FTC_COM
PROP: 25
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.53	.000	.000	.000	290.231	-290.231	-282.880
12-92	.000	.000	.000	.000	.00	1.75	.000	.000	.000	.000	.000	-282.880
12-93	.000	.000	.000	.000	.00	1.51	.000	.000	.000	.000	.000	-282.880
12-94	.000	3.261	.000	2.083	.00	1.09	2.280	.226	7.466	.000	-5.412	-286.909
12-95	.000	.010	.000	.006	.00	1.29	.008	.001	21.903	.000	-21.896	-302.003
12-96	.000	.516	.000	.330	.00	1.54	.508	.051	30.595	.000	-30.138	-321.240
12-97	.000	36.892	.000	23.565	.00	2.15	50.707	5.025	81.838	.000	-36.156	-342.609
12-98	.000	142.711	.000	91.157	.00	1.73	157.259	15.584	127.603	217.780	-203.708	-454.087
12-99	.000	87.501	.000	55.891	.00	1.91	106.788	10.583	126.298	.000	-30.093	-469.335
12-00	.000	128.314	.000	81.961	.00	3.27	268.346	26.593	137.609	.000	104.144	-420.473
12-01	.000	147.080	.000	93.947	.00	3.25	304.975	30.223	140.269	28.901	105.582	-374.414
12-02	.000	152.601	.000	97.474	.00	3.25	316.424	31.357	139.971	5.986	139.110	-318.515
12-03	.000	160.345	.000	102.420	.00	3.25	332.480	32.949	138.738	.000	160.793	-258.628
12-04	.000	166.760	.000	106.518	.00	3.25	345.783	34.267	133.888	.000	177.628	-197.372
12-05	.000	170.443	.000	108.870	.00	3.25	353.418	35.024	128.969	.000	189.425	-136.886
12-06	.000	163.001	.000	104.117	.00	3.25	337.989	33.495	121.701	.000	182.793	-82.842
12-07	.000	154.850	.000	98.910	.00	3.25	321.086	31.820	114.778	.000	174.488	-35.075
12-08	.000	143.144	.000	91.433	.00	3.25	296.814	29.414	107.390	.000	160.010	5.484
12-09	.000	118.716	.000	75.830	.00	3.25	246.162	24.395	97.082	.000	124.685	34.748
12-10	.000	97.347	.000	62.180	.00	3.25	201.851	20.004	87.964	.000	93.883	55.150
12-11	.000	79.825	.000	50.988	.00	3.25	165.519	16.403	80.205	.000	68.911	69.016
12-12	.000	65.456	.000	41.810	.00	3.25	135.725	13.450	73.591	.000	48.684	78.087
12-13	.000	53.674	.000	34.284	.00	3.25	111.294	11.029	67.935	.000	32.330	83.664
12-14	.000	44.013	.000	28.113	.00	3.25	91.262	9.044	63.094	.000	19.124	86.719
12-15	.000	36.091	.000	23.053	.00	3.25	74.836	7.416	58.937	.000	8.483	87.974
S TOT	.000	2152.551	.000	1374.940	.00	3.07	4221.514	418.353	2087.824	542.898	1172.439	87.974
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	87.974
TOTAL	.000	2152.551	.000	1374.940	.00	3.07	4221.514	418.353	2087.824	542.898	1172.439	87.974
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			4221.514	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	2152.551		TOTAL REVENUES (M$)			4221.514	RATE	BTAX, M$	RATE	BTAX, M$	
								.0	1172.439	30.0	-272.742	
BTAX RATE OF RETURN (PCT)		9.66	PROJECT LIFE (YEARS)				25.000	2.0	745.826	35.0	-274.483	
BTAX PAYOUT		08/10/2004	DISCOUNT RATE (PCT)				8.000	5.0	333.158	40.0	-272.573	
BTAX PAYOUT (DISC)		11/12/2008	GROSS OIL WELLS				.000	8.0	87.974	45.0	-269.102	
BTAX NET INCOME/INVEST		3.16	GROSS GAS WELLS				1.000	10.0	-18.298	50.0	-265.085	
BTAX NET INCOME/INVEST (DISC)		1.21	GROSS WELLS				2.000	12.0	-94.301	60.0	-257.007	
INITIAL W.I. FRACTION		.730000	INITIAL NET OIL FRACTION				.000000	15.0	-169.916	70.0	-249.749	
FINAL W.I. FRACTION		.730000	FINAL NET OIL FRACTION				.000000	18.0	-215.731	80.0	-243.431	
PRODUCTION START DATE		10/01/90	INITIAL NET GAS FRACTION				.638750	20.0	-235.593	90.0	-237.919	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.638750	25.0	-262.929	100.0	-233.053	
WATER GROSS PROD. (MU)		499.854	WATER NET PRODUCTION (MU)				319.282	WATER NET REVENUES (M$)			.000	

CASE NAME: ROSA UNIT #225 -TEST -1PDP-RLG-1434.01 -BASIN

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101 ROSA UNIT #225
102 PROPNUM 81416-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 09 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	MAN	GAS	WATER
310	FACT	1.000	1.000
320	42.	.000	.000
342	3.	1087.000	.000
343	3.	2174.000	3620.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	10.000	.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	.000	.000
351	3.	.000	.000
352	3.	516.000	4690.000
353	3.	1843.000	6160.000
354	3.	4531.000	6480.000
355	3.	16474.000	8720.000
356	3.	14044.000	6160.000
357	3.	23971.000	8480.000
358	3.	33074.000	7490.000
359	3.	51370.000	10880.000
360	3.	34296.000	10480.000
361	3.	22985.000	11040.000
362	3.	19627.000	9140.000
363	3.	20262.000	9440.000
364	3.	24627.000	10160.000
365	3.	29953.000	9920.000
366	3.	31211.000	9310.000
367	3.	32054.000	10600.000
368	3.	35096.000	10260.000
369	3.	35668.000	9760.000
370	3.	37371.000	10080.000
371	3.	37685.000	9120.000
372	3.	36356.000	9880.000
373	3.	32688.000	9320.000
374	3.	35528.000	9520.000
375	3.	41215.000	9760.000
376	3.	43170.000	9280.000

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	-4.000	430.744	X	2.381	IYRS	D		
CALC	GAS	EXP END=	-4.000	430.744	472.907	15.381	YRS	D	1091.267	MMCF
411	GAS	EXP	5.000	LAST	X	3.000	IYRS	D		
CALC	GAS	EXP END=	5.000	472.907	405.459	18.381	YRS	D	1571.225	MMCF
412	GAS	EXP	18.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP END=	18.000	405.459	1.053	48.381	YRS	D	2315.026	MMCF
420	WATER	EXP	9.930	104.130	X	35.315	IYRS	D		
CALC	WATER	EXP END=	9.930	104.130	2.592	48.315	YRS	D	584.124	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9845 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG

```
805      INVEST      1991.000    AD            G         272.377     125.200        .000
806  ! RECAV
806      INVEST      1998.500    AD            G         185.256     113.073        .000
807  ! CHANGE PUMP
807      INVEST      2001.700    AD            G          39.590        .000        .000
808  ! CHANGE PUMP
808      INVEST      2002.200    AD            G            .000       8.200        .000

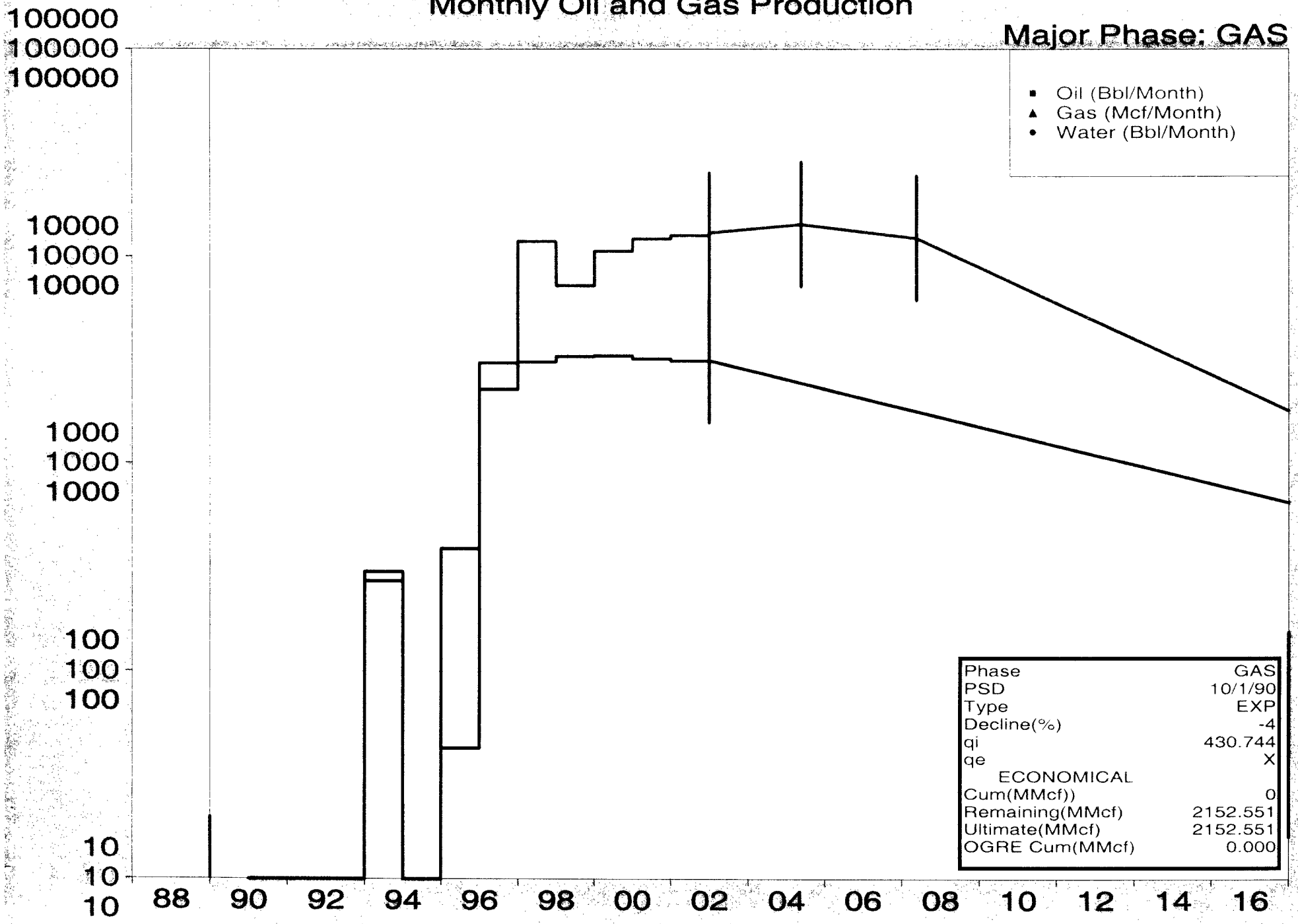
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          25.000
GROSS GAS      (MMCF):       2152.551
GROSS WATER      (MU):        499.854
```

ROSA UNIT #225
31N 6W 12M

Monthly Oil and Gas Production



ROSA UNIT #226
PROPNUM 81186-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/04/03
TIME: 14:31:34
FILE: FTC_COM
PROP: 26
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.53	.000	.000	.000	331.157	-331.157	-322.770
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	.000	.000	.000	-322.770
12-93	.000	.000	.000	.000	.00	1.52	.000	.000	.000	.000	.000	-322.770
12-94	.000	.556	.000	.355	.00	1.10	.390	.039	.731	.000	-.380	-323.053
12-95	.000	.588	.000	.376	.00	1.29	.486	.048	1.323	.000	-.885	-323.663
12-96	.000	.040	.000	.026	.00	1.54	.040	.004	.013	.000	.023	-323.648
12-97	.000	.240	.000	.153	.00	2.16	.330	.033	.067	.000	.230	-323.512
12-98	.000	.042	.000	.027	.00	1.73	.047	.004	22.349	.000	-22.306	-335.719
12-99	.000	1.092	.000	.698	.00	1.92	1.337	.132	33.540	173.499	-205.834	-439.342
12-00	.000	8.420	.000	5.378	.00	3.28	17.653	1.750	39.709	.000	-23.806	-450.511
12-01	.000	16.329	.000	10.430	.00	3.25	33.944	3.364	41.029	4.942	-15.391	-457.247
12-02	.000	24.747	.000	15.807	.00	3.25	51.444	5.098	42.302	5.986	-1.942	-458.084
12-03	.000	27.697	.000	17.691	.00	3.25	57.575	5.706	42.855	.000	9.014	-454.727
12-04	.000	33.588	.000	21.454	.00	3.25	69.822	6.919	43.966	.000	18.937	-448.196
12-05	.000	40.583	.000	25.922	.00	3.25	84.363	8.361	45.412	.000	30.590	-438.428
12-06	.000	42.174	.000	26.939	.00	3.25	87.673	8.689	45.465	.000	33.519	-428.518
12-07	.000	40.486	.000	25.860	.00	3.25	84.161	8.340	44.689	.000	31.132	-419.995
12-08	.000	38.800	.000	24.784	.00	3.25	80.659	7.993	43.939	.000	28.727	-412.713
12-09	.000	34.426	.000	21.990	.00	3.25	71.566	7.092	42.510	.000	21.964	-407.558
12-10	.000	29.262	.000	18.691	.00	3.25	60.830	6.029	40.895	.000	13.906	-404.536
12-11	.000	24.873	.000	15.888	.00	3.25	51.707	5.125	39.511	.000	7.071	-403.113
12-12	.000	21.142	.000	13.504	.00	3.25	43.949	4.355	38.320	.000	1.274	-402.876
S TOT	.000	385.085	.000	245.973	.00	3.24	797.976	79.081	608.625	515.584	-405.314	-402.876
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-402.876
TOTAL	.000	385.085	.000	245.973	.00	3.24	797.976	79.081	608.625	515.584	-405.314	-402.876
CUM.	.000	.000										
ULT.	.000	385.085										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	797.976				
TOTAL REVENUES (M$)	797.976				
BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	22.000		
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	.21	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	.03	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	5/01/91	INITIAL NET GAS FRACTION	.638750		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750		
WATER GROSS PROD. (MU)	30.593	WATER NET PRODUCTION (MU)	19.543	WATER NET REVENUES (M$)	.000

---PRESENT WORTH PROFILE---

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-405.314	30.0	-326.424
2.0	-413.929	35.0	-316.549
5.0	-412.524	40.0	-308.539
8.0	-402.876	45.0	-301.901
10.0	-394.630	50.0	-296.291
12.0	-385.966	60.0	-287.177
15.0	-373.200	70.0	-279.881
18.0	-361.402	80.0	-273.718
20.0	-354.229	90.0	-268.311
25.0	-338.763	100.0	-263.452

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101 ROSA UNIT #226
102 PROPNUM 81186-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 09 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	5/01/1991

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
315	32.	.000	.000
341	3.	191.000	240.000
342	3.	77.000	.000
343	3.	.000	.000
344	3.	288.000	80.000
345	3.	583.000	640.000
346	3.	5.000	.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	40.000	1.000
351	3.	.000	.000
352	3.	.000	.000
353	3.	240.000	2.000
354	3.	.000	.000
355	3.	.000	.000
356	3.	.000	.000
357	3.	.000	.000
358	3.	28.000	.000
359	3.	14.000	240.000
360	3.	.000	.000
361	3.	.000	.000
362	3.	.000	.000
363	3.	597.000	300.000
364	3.	495.000	1120.000
365	3.	72.000	480.000
366	3.	612.000	1040.000
367	3.	5694.000	1340.000
368	3.	2042.000	880.000
369	3.	3188.000	1040.000
370	3.	3725.000	800.000
371	3.	4243.000	640.000
372	3.	5173.000	840.000
373	3.	5432.000	720.000
374	3.	5928.000	720.000
375	3.	6317.000	800.000
376	3.	7070.000	560.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-21.267	68.802	X	2.830	IYRS	D		
CALC	GAS	EXP	END=	-21.267	68.802	118.739	15.830	YRS	D	146.580	MMCF
411	GAS	EXP		4.000	LAST	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.000	118.739	105.053	18.830	YRS	D	268.953	MMCF
412	GAS	EXP		15.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	105.053	.802	48.830	YRS	D	503.089	MMCF
420	WATER	EXP		9.057	7.684	X	35.797	IYRS	D		
CALC	WATER	EXP	END=	9.057	7.684	.257	48.797	YRS	D	41.038	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.987 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1998.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG

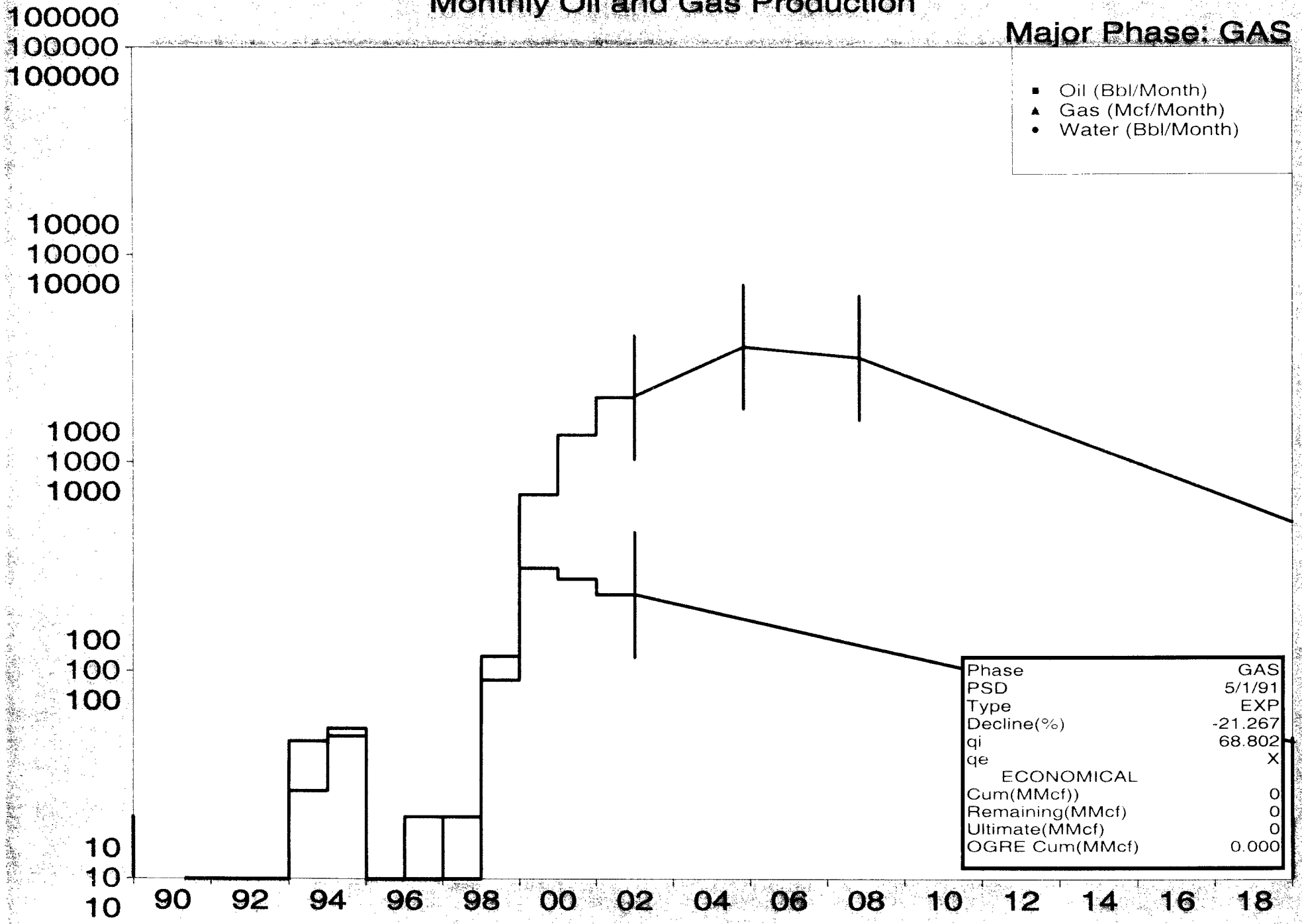
```
805     INVEST      1991.000    AD          G         253.640     200.000        .000
806 ! RECAV
806     INVEST      1999.600    AD          G         195.350      42.320        .000
807 ! CHANGE PUMP
807     INVEST      2001.200    AD          G            .000       6.770        .000
808 ! CHANGE PUMP
808     INVEST      2002.200    AD          G            .000       8.200        .000

853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          22.000
GROSS GAS     (MMCF):         385.085
GROSS WATER     (MU):          30.593
```

ROSA UNIT #226
31N 6W 12G
Monthly Oil and Gas Production



ROSA UNIT #227
PROPNUM 81357-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/04/03
TIME: 15:40:14
FILE: FTC_COM
PROP: 27
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.55	.000	.000	8.760	336.329	-345.089	-336.026
12-92	.000	.098	.000	.063	.00	1.77	.112	.011	9.494	.000	-9.393	-344.183
12-93	.000	2.991	.000	1.911	.00	1.53	2.921	.290	39.488	.000	-36.857	-373.819
12-94	.000	.858	.000	.548	.00	1.11	.606	.061	18.040	.000	-17.495	-386.844
12-95	.000	.018	.000	.011	.00	1.30	.014	.001	.151	.000	-.138	-386.939
12-96	.000	.000	.000	.000	.00	1.56	.000	.000	.000	.000	.000	-386.939
12-97	.000	1.099	.000	.702	.00	2.18	1.527	.151	25.405	.000	-24.029	-401.141
12-98	.000	56.921	.000	36.358	.00	1.74	63.411	6.284	40.875	.000	16.252	-392.247
12-99	.000	90.655	.000	57.906	.00	1.93	111.851	11.085	98.047	130.309	-127.590	-456.897
12-00	.000	97.183	.000	62.076	.00	3.31	205.470	20.362	105.841	.000	79.267	-419.707
12-01	.000	126.008	.000	80.488	.00	3.28	264.150	26.178	105.885	4.592	127.495	-364.367
12-02	.000	139.452	.000	89.075	.00	3.28	292.331	28.970	106.507	5.986	150.868	-303.738
12-03	.000	140.102	.000	89.490	.00	3.28	293.693	29.105	103.458	.000	161.130	-243.726
12-04	.000	135.198	.000	86.358	.00	3.28	283.414	28.086	98.638	.000	156.690	-189.690
12-05	.000	129.975	.000	83.022	.00	3.28	272.466	27.001	94.082	.000	151.383	-141.352
12-06	.000	116.295	.000	74.283	.00	3.28	243.786	24.159	87.588	.000	132.039	-102.314
12-07	.000	101.177	.000	64.627	.00	3.28	212.096	21.019	80.992	.000	110.085	-72.177
12-08	.000	88.024	.000	56.225	.00	3.28	184.522	18.286	75.177	.000	91.059	-49.095
12-09	.000	76.581	.000	48.916	.00	3.28	160.535	15.909	70.041	.000	74.585	-31.590
12-10	.000	66.625	.000	42.557	.00	3.28	139.666	13.841	65.514	.000	60.311	-18.483
12-11	.000	57.965	.000	37.025	.00	3.28	121.511	12.042	61.511	.000	47.958	-8.833
12-12	.000	50.428	.000	32.211	.00	3.28	105.712	10.476	57.980	.000	37.256	-1.892
12-13	.000	43.873	.000	28.024	.00	3.28	91.971	9.114	54.859	.000	27.998	2.938
12-14	.000	38.170	.000	24.381	.00	3.28	80.015	7.929	52.100	.000	19.986	6.130
12-15	.000	33.207	.000	21.211	.00	3.28	69.611	6.898	49.664	.000	13.049	8.060
12-16	.000	28.891	.000	18.454	.00	3.28	60.563	6.002	47.510	.000	7.051	9.026
12-17	.000	25.135	.000	16.055	.00	3.28	52.690	5.221	45.604	.000	1.865	9.262
S TOT	.000	1646.929	.000	1051.977	.00	3.15	3314.644	328.481	1603.211	477.215	905.737	9.262
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	9.262
TOTAL	.000	1646.929	.000	1051.977	.00	3.15	3314.644	328.481	1603.211	477.215	905.737	9.262
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			3314.644					
ULT.	.000	1646.929		TOTAL REVENUES (M$)			3314.644					

						DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)	8.20	PROJECT LIFE (YEARS)	27.000			.0	905.736	30.0	-320.924
BTAX PAYOUT	02/28/2004	DISCOUNT RATE (PCT)	8.000			2.0	558.169	35.0	-324.486
BTAX PAYOUT (DISC)	05/22/2013	GROSS OIL WELLS	.000			5.0	216.743	40.0	-323.929
BTAX NET INCOME/INVEST	2.90	GROSS GAS WELLS	1.000			8.0	9.262	45.0	-321.310
BTAX NET INCOME/INVEST (DISC)	1.02	GROSS WELLS	2.000			10.0	-82.695	50.0	-317.719
						12.0	-149.766	60.0	-309.587
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000			15.0	-218.283	70.0	-301.528
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000			18.0	-261.388	80.0	-294.062
PRODUCTION START DATE	10/01/90	INITIAL NET GAS FRACTION	.638750			20.0	-280.791	90.0	-287.264
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750			25.0	-309.137	100.0	-281.081
WATER GROSS PROD. (MU)	299.858	WATER NET PRODUCTION (MU)	191.532			WATER	NET REVENUES (M$)		.000

OGRE(R) V2.2 BTAX — DATA REPORT — DATE: 08/04/03
FILE NAME: FTC_COM (27) — TIME: 15:40:14
CASE NAME: ROSA UNIT #227 -TEST -1PDP-RLG-1679.01 -BASIN

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101 ROSA UNIT #227
102 PROPNUM 81357-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
   120 1 90 12 09 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	24.	.000	.000
320	3.	98.000	388.000
336	3.	654.000	6924.000
337	3.	1101.000	3704.000
338	3.	738.000	2694.000
339	3.	498.000	3079.000
340	3.	200.000	1840.000
341	3.	658.000	3120.000
342	3.	.000	.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	11.000	.000
346	3.	7.000	80.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	.000	.000
351	3.	.000	.000
352	3.	82.000	4400.000
353	3.	133.000	2160.000
354	3.	226.000	4400.000
355	3.	658.000	2800.000
356	3.	7813.000	3200.000
357	3.	23426.000	4320.000
358	3.	21275.000	3520.000
359	3.	4407.000	3055.000
360	3.	20851.000	4255.000
361	3.	32588.000	4727.000
362	3.	16639.000	6720.000
363	3.	20577.000	8000.000
364	3.	22409.000	7520.000
365	3.	22063.000	6060.000
366	3.	27775.000	6860.000
367	3.	24936.000	6580.000
368	3.	26732.000	5760.000
369	3.	30108.000	5760.000
370	3.	33691.000	5840.000
371	3.	35477.000	5480.000
372	3.	34658.000	5360.000
373	3.	35268.000	5620.000
374	3.	34719.000	4960.000
375	3.	34807.000	5280.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		3.500	390.719	X	2.727	IYRS	D		
CALC	GAS	EXP	END=	3.500	390.719	354.544	15.727	YRS	D	885.892	MMCF
411	GAS	EXP		13.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	13.000	354.544	5.436	45.727	YRS	D	1800.891	MMCF
420	WATER	EXP		9.898	56.127	X	32.449	IYRS	D		
CALC	WATER	EXP	END=	9.898	56.127	1.907	45.449	YRS	D	334.341	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9953 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 00 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
```

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805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.000	AD	G	223.150	237.574	.000		
806	! RECAV								
806	INVEST	1999.500	AD	G	58.505	120.000	.000		
807	! CHANGE PUMP								
807	INVEST	2001.200	AD	G	.000	6.290	.000		
808	! CHANGE PUMP								
808	INVEST	2002.200	AD	G	.000	8.200	.000		

```
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):        27.000
GROSS GAS      (MMCF):     1646.929
GROSS WATER      (MU):       299.858
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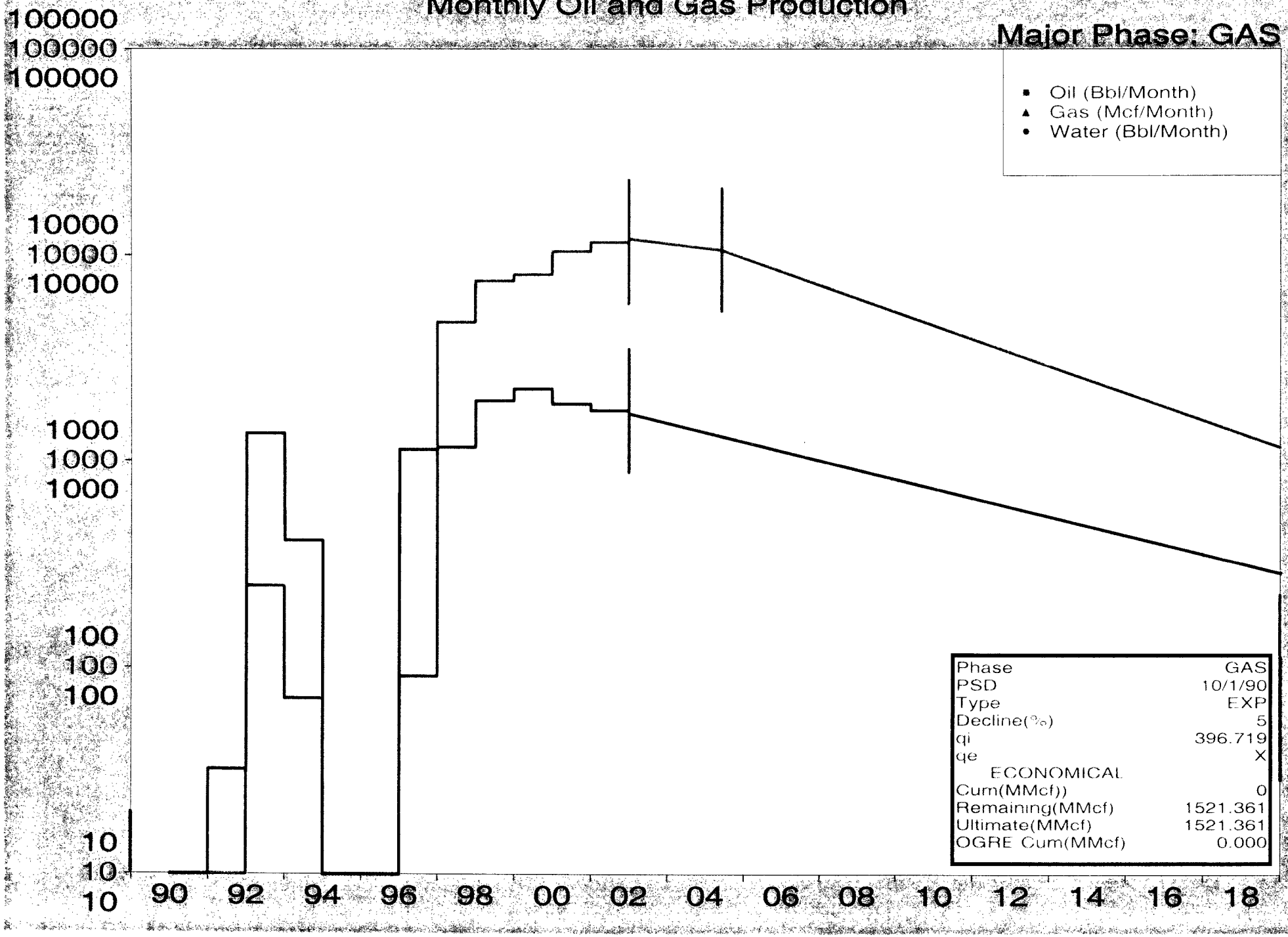
ROSA UNIT #227
31N 5W 7N
Monthly Oil and Gas Production



ROSA UNIT #228
PROPNUM 81417-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/04/03
TIME: 15:49:34
FILE: FTC_COM
PROP: 28
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.53	.000	.000	8.760	330.418	-339.178	-330.266
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	8.760	.000	-8.760	-337.873
12-93	.000	2.251	.000	1.438	.00	1.52	2.180	.216	13.444	.000	-11.480	-347.104
12-94	.000	5.397	.000	3.447	.00	1.10	3.782	.374	21.281	.000	-17.873	-360.411
12-95	.000	.000	.000	.000	.00	1.29	.000	.000	21.900	.000	-21.900	-375.508
12-96	.000	.189	.000	.121	.00	1.54	.187	.019	26.330	.000	-26.162	-392.207
12-97	.000	7.653	.000	4.888	.00	2.16	10.545	1.045	43.137	.000	-33.637	-412.087
12-98	.000	129.182	.000	82.515	.00	1.73	142.712	14.143	76.732	.000	51.837	-383.720
12-99	.000	111.147	.000	70.995	.00	1.92	135.991	13.477	79.417	.000	43.097	-361.882
12-00	.000	66.204	.000	42.288	.00	3.28	138.805	13.755	83.505	203.089	-161.544	-439.899
12-01	.000	110.667	.000	70.689	.00	3.25	230.056	22.799	100.607	3.358	103.292	-395.021
12-02	.000	165.538	.000	105.737	.00	3.25	344.119	34.102	109.981	5.986	194.050	-317.022
12-03	.000	171.606	.000	109.613	.00	3.25	356.734	35.352	109.615	.000	211.767	-238.151
12-04	.000	180.572	.000	115.340	.00	3.25	375.372	37.199	108.098	.000	230.075	-158.808
12-05	.000	175.396	.000	112.034	.00	3.25	364.613	36.133	103.301	.000	225.179	-86.906
12-06	.000	166.626	.000	106.432	.00	3.25	346.381	34.326	97.946	.000	214.109	-23.603
12-07	.000	157.049	.000	100.315	.00	3.25	326.474	32.354	92.731	.000	201.389	31.529
12-08	.000	135.368	.000	86.466	.00	3.25	281.402	27.887	84.632	.000	168.883	74.337
12-09	.000	113.710	.000	72.632	.00	3.25	236.380	23.425	76.809	.000	136.146	106.291
12-10	.000	95.516	.000	61.011	.00	3.25	198.559	19.677	70.146	.000	108.736	129.921
12-11	.000	80.233	.000	51.249	.00	3.25	166.789	16.529	64.466	.000	85.794	147.184
12-12	.000	67.396	.000	43.049	.00	3.25	140.102	13.884	59.623	.000	66.595	159.592
12-13	.000	56.613	.000	36.162	.00	3.25	117.689	11.663	55.486	.000	50.540	168.311
12-14	.000	47.555	.000	30.376	.00	3.25	98.858	9.797	51.955	.000	37.106	174.238
12-15	.000	39.946	.000	25.516	.00	3.25	83.041	8.230	48.940	.000	25.871	178.064
12-16	.000	33.554	.000	21.433	.00	3.25	69.753	6.913	46.359	.000	16.481	180.321
12-17	.000	28.186	.000	18.004	.00	3.25	58.594	5.806	44.154	.000	8.634	181.416
12-18	.000	23.676	.000	15.123	.00	3.25	49.218	4.878	42.265	.000	2.075	181.660
S TOT	.000	2171.230	.000	1386.873	.00	3.08	4278.336	423.983	1750.380	542.851	1561.122	181.660
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	181.660
TOTAL	.000	2171.230	.000	1386.873	.00	3.08	4278.336	423.983	1750.380	542.851	1561.122	181.660
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			4278.336	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	2171.230		TOTAL REVENUES (M$)			4278.336	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		10.90	PROJECT LIFE (YEARS)				28.000	.0	1561.122	30.0	-304.757	
BTAX PAYOUT		01/27/2004	DISCOUNT RATE (PCT)				8.000	2.0	1019.069	35.0	-311.505	
BTAX PAYOUT (DISC)		06/05/2007	GROSS OIL WELLS				.000	5.0	494.757	40.0	-312.634	
BTAX NET INCOME/INVEST		3.88	GROSS GAS WELLS				1.000	8.0	181.660	45.0	-310.981	
BTAX NET INCOME/INVEST (DISC)		1.43	GROSS WELLS				2.000	10.0	44.723	50.0	-307.991	
								12.0	-54.261	60.0	-300.593	
INITIAL W.I. FRACTION		.730000	INITIAL NET OIL FRACTION				.000000	15.0	-154.502	70.0	-293.044	
FINAL W.I. FRACTION		.730000	FINAL NET OIL FRACTION				.000000	18.0	-217.109	80.0	-286.004	
PRODUCTION START DATE		10/01/90	INITIAL NET GAS FRACTION				.638750	20.0	-245.241	90.0	-279.586	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.638750	25.0	-286.662	100.0	-273.752	
WATER GROSS PROD. (MU)		241.865	WATER NET PRODUCTION (MU)				154.494	WATER NET REVENUES (M$)			.000	

CASE NAME: ROSA UNIT #228 -TEST -1PDP-RLG-1378.01 -BASIN

```
101 ROSA UNIT #228
102 PROPNUM 81417-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 09 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	36.	.000	.000
340	3.	2251.000	2241.000
341	3.	3384.000	2160.000
342	3.	925.000	2800.000
343	3.	1088.000	1120.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	.000	.000
351	3.	.000	.000
352	3.	189.000	2400.000
353	3.	841.000	2960.000
354	3.	1873.000	2960.000
355	3.	1759.000	2530.000
356	3.	3180.000	2080.000
357	3.	11801.000	2240.000
358	3.	43459.000	3520.000
359	3.	42533.000	2800.000
360	3.	31389.000	2800.000
361	3.	29852.000	3120.000
362	3.	41424.000	2560.000
363	3.	23720.000	2000.000
364	3.	16151.000	2960.000
365	3.	7559.000	3120.000
366	3.	20045.000	4200.000
367	3.	21567.000	6460.000
368	3.	17033.000	5600.000
369	3.	19688.000	5720.000
370	3.	22379.000	5680.000
371	3.	31819.000	5760.000
372	3.	36781.000	5160.000
373	3.	36142.000	4880.000
374	3.	37719.000	4960.000
375	3.	43469.000	4800.000
376	3.	48208.000	4880.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-6.000	456.590	X	1.636	IYRS	D		
CALC	GAS	EXP	END=	-6.000	456.590	502.258	14.636	YRS	D	884.295	MMCF
411	GAS	EXP		5.000	LAST	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	5.000	502.258	430.623	17.636	YRS	D	1394.042	MMCF
412	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	430.623	2.304	47.636	YRS	D	2290.707	MMCF
420	WATER	EXP		11.533	53.684	X	34.614	IYRS	D		
CALC	WATER	EXP	END=	11.533	53.684	.772	47.614	YRS	D	262.074	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.987 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.000	AD	G	247.628	205.000	.000		
806	! RECAV								
806	INVEST	2000.200	AD	G	178.204	100.000	.000		
807	! CHANGE PUMP								
807	INVEST	2001.550	AD	G	.000	4.600	.000		
808	! CHANGE PUMP								
808	INVEST	2002.200	AD	G	.000	8.200	.000		

```
  853 CASE $GATHNET88
*   658 COMPUTE GASC = GASC / WI
*   659 COMPUTE GASC = GASC * NIG

  855 NOLOSS = ON
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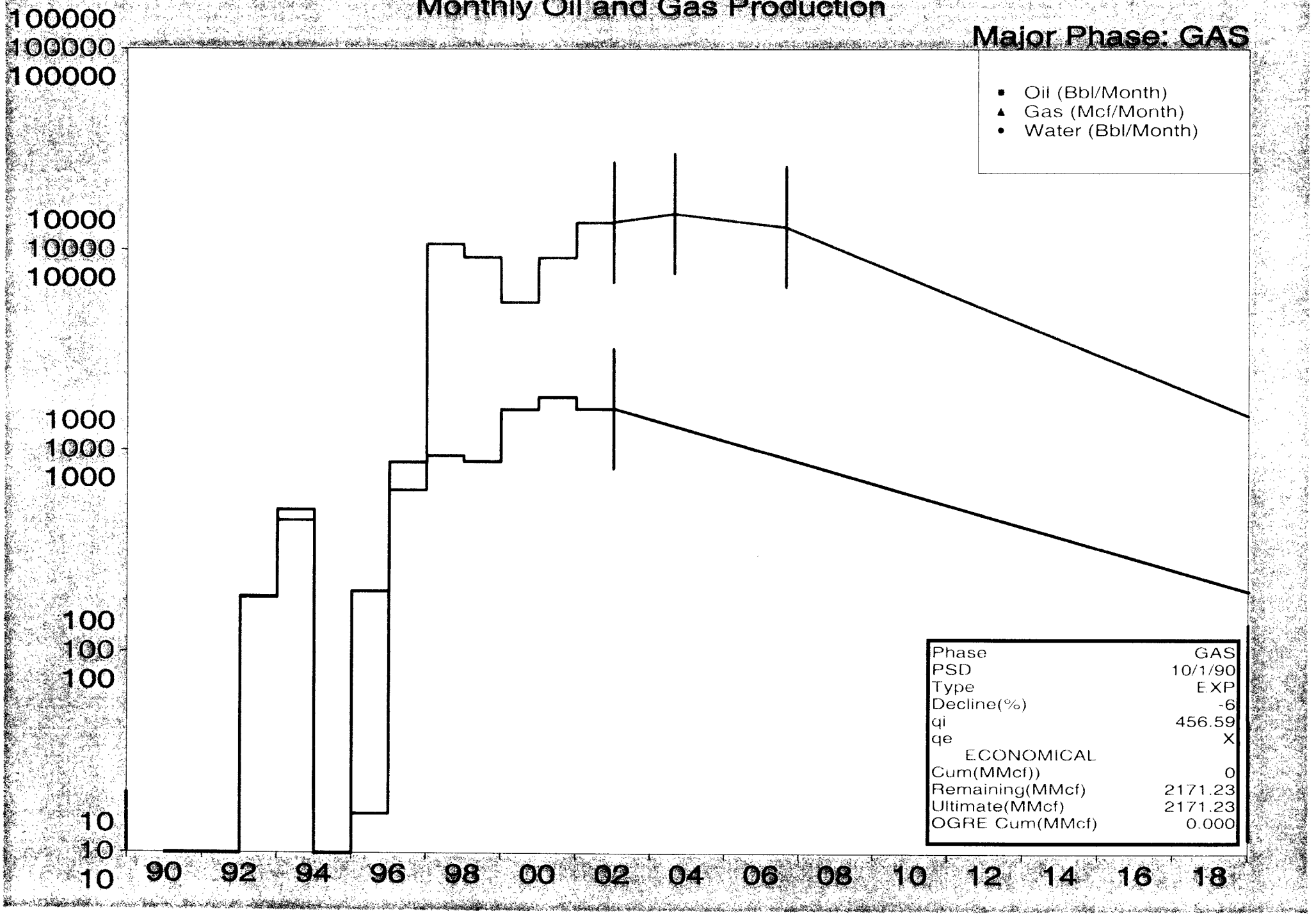
ECONOMIC LIFE	(YRS):	28.000
GROSS GAS	(MMCF):	2171.230
GROSS WATER	(MU):	241.865

ROSA UNIT #228
31N 5W 7G
Monthly Oil and Gas Production



ROSA UNIT #229
PROPNUM 81418-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/04/03
TIME: 16:00:15
FILE: FTC_COM
PROP: 29
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.49	.000	.000	8.760	283.579	-292.339	-286.444
12-92	.000	.000	.000	.000	.00	1.70	.000	.000	8.760	.000	-8.760	-294.100
12-93	.000	1.287	.000	.822	.00	1.47	1.209	.120	10.831	.000	-9.742	-301.984
12-94	.000	.065	.000	.042	.00	1.06	.045	.004	9.215	.000	-9.174	-308.858
12-95	.000	.037	.000	.024	.00	1.25	.030	.003	22.201	.000	-22.174	-324.242
12-96	.000	.856	.000	.547	.00	1.50	.819	.081	27.083	.000	-26.345	-341.166
12-97	.000	8.043	.000	5.137	.00	2.09	10.749	1.065	38.285	.000	-28.601	-358.179
12-98	.000	104.423	.000	66.700	.00	1.68	111.900	11.089	62.362	.000	38.449	-337.003
12-99	.000	76.645	.000	48.957	.00	1.86	90.965	9.015	69.922	96.214	-84.186	-378.594
12-00	.000	120.158	.000	76.751	.00	3.18	244.371	24.217	93.109	.000	127.045	-318.604
12-01	.000	115.204	.000	73.587	.00	3.16	232.306	23.022	86.365	.000	122.919	-264.862
12-02	.000	87.022	.000	55.585	.00	3.16	175.475	17.390	74.404	159.724	-76.043	-294.253
12-03	.000	397.004	.000	253.586	.00	3.16	800.541	79.334	152.299	.000	568.908	-81.003
12-04	.000	360.757	.000	230.434	.00	3.16	727.453	72.091	141.231	.000	514.131	97.439
12-05	.000	327.821	.000	209.396	.00	3.16	661.039	65.509	131.172	.000	464.358	246.668
12-06	.000	284.052	.000	181.438	.00	3.16	572.779	56.762	118.483	.000	397.534	364.959
12-07	.000	234.144	.000	149.559	.00	3.16	472.140	46.789	104.353	.000	320.998	453.400
12-08	.000	193.005	.000	123.282	.00	3.16	389.187	38.569	92.593	.000	258.025	519.225
12-09	.000	159.094	.000	101.621	.00	3.16	320.806	31.792	82.789	.000	206.225	567.938
12-10	.000	131.142	.000	83.767	.00	3.16	264.443	26.206	74.614	.000	163.623	603.725
12-11	.000	108.099	.000	69.048	.00	3.16	217.976	21.602	67.787	.000	128.587	629.766
12-12	.000	89.107	.000	56.917	.00	3.16	179.680	17.806	62.081	.000	99.793	648.479
12-13	.000	73.451	.000	46.917	.00	3.16	148.111	14.678	57.300	.000	76.133	661.698
12-14	.000	60.545	.000	38.673	.00	3.16	122.086	12.099	53.297	.000	56.690	670.812
12-15	.000	49.907	.000	31.878	.00	3.16	100.635	9.973	49.936	.000	40.726	676.874
12-16	.000	41.139	.000	26.278	.00	3.16	82.957	8.221	47.109	.000	27.627	680.682
12-17	.000	33.911	.000	21.661	.00	3.16	68.381	6.776	44.730	.000	16.875	682.836
12-18	.000	27.952	.000	17.854	.00	3.16	56.363	5.586	42.721	.000	8.056	683.788
12-19	.000	23.042	.000	14.718	.00	3.16	46.463	4.605	41.028	.000	.830	683.879
S TOT	.000	3107.912	.000	1985.179	.00	3.07	6098.909	604.404	1874.820	539.518	3080.167	683.879
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	683.879
TOTAL	.000	3107.912	.000	1985.179	.00	3.07	6098.909	604.404	1874.820	539.518	3080.167	683.879
CUM.	.000	.000										
ULT.	.000	3107.912										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	6098.909				
TOTAL REVENUES (M$)	6098.909				

PRESENT WORTH PROFILE			
DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	3080.168	30.0	-231.700
2.0	2148.396	35.0	-253.202
5.0	1236.820	40.0	-263.483
8.0	683.879	45.0	-267.811
10.0	438.311	50.0	-268.939
12.0	258.382	60.0	-266.844
15.0	72.596	70.0	-262.667
18.0	-46.891	80.0	-258.115
20.0	-102.298	90.0	-253.708
25.0	-188.523	100.0	-249.598

BTAX RATE OF RETURN (PCT)	16.82	PROJECT LIFE (YEARS)	29.000		
BTAX PAYOUT	06/21/2003	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	06/14/2004	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	6.71	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	2.76	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/90	INITIAL NET GAS FRACTION	.638750		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750		
WATER GROSS PROD. (MU)	171.252	WATER NET PRODUCTION (MU)	109.387	WATER NET REVENUES (M$)	.000

```
OGRE(R) V2.2  BTAX                                        D A T A   R E P O R T                    DATE: 08/04/03
FILE NAME: FTC_COM (   29)                                - - - -   - - - - - -                    TIME: 16:00:15
CASE NAME: ROSA UNIT #229                      -TEST      -1PDP-RLG-1431.01     -BASIN
101 ROSA UNIT #229
102 PROPNUM 81418-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2

        W.I.        OP. COST    OP. COST    ADV. TAX    MAJOR      PROD  DATE
        FRACTION    ($/W/MO)    ($/MO.)     (PCT)       PH. NAME   (MO/DY/YR)
        --------    --------    --------    --------    --------   ----------
210     .73000010         .00     3500.00       1.000   GAS        10/01/1990

        PHASE       CUM PROD    REV. INT    PRICE       SEV. TAX    NO. OF      RATIO TO
        NAME        (MUNITS)    FRACTION    ($/UNIT)    (PCT)       WELLS       MAJOR PH
        --------    --------    --------    --------    --------    --------    --------
222     GAS              .000   .63875000       3.650       9.000         1.0
224     WATER            .000   .63875000        .000        .000         1.0

300 SERIES LINES:
-----------------

305          MAN         GAS       WATER
310         FACT       1.000       1.000
320          30.        .000        .000
338           3.     970.000     247.000
339           3.     126.000     393.000
340           3.     191.000     314.000
341           3.      54.000        .000
342           3.      11.000     240.000
343           3.        .000        .000
344           3.        .000        .000
345           3.      31.000        .000
346           3.       4.000        .000
347           3.       2.000     160.000
348           3.        .000        .000
349           3.     184.000     880.000
350           3.     300.000     960.000
351           3.        .000        .000
352           3.     372.000     880.000
353           3.    1036.000    1680.000
354           3.    1424.000    1600.000
355           3.    2045.000    2170.000
356           3.    3538.000    2400.000
357           3.   11835.000    1920.000
358           3.   41504.000    2080.000
359           3.   43705.000    2080.000
360           3.    7379.000    1440.000
361           3.   25561.000    1760.000
362           3.   22402.000    2000.000
363           3.   11700.000    2120.000
364           3.   16982.000    4880.000
365           3.   31623.000    4080.000
366           3.   28166.000    4320.000
367           3.   29990.000    4400.000
368           3.   30379.000    4560.000
369           3.   34909.000    3600.000
370           3.   31310.000    3520.000
371           3.   24067.000    3560.000
372           3.   24918.000    3680.000
373           3.   22897.000    3200.000
374           3.   19643.000    3120.000
375           3.   16322.000    2560.000
376           3.   28160.000    2880.000

        PH. NAME    CURVE TP    DECLINE%    QI  RATE    QT  RATE        CUM. LIMIT          (M OR Y)        CALC VALUE
        --------    --------    --------    --------    --------    --------------------    --------    --------------------
410     GAS         EXP            9.130    1140.580           X      3.000    IYRS           D
CALC    GAS         EXP    END=    9.130    1140.580     855.830     16.000    YRS            D          1599.322    MMCF
411     GAS         EXP           17.570    LAST               X     30.000    IYRS           D
CALC    GAS         EXP    END=   17.570     855.830       2.600     46.000    YRS            D          3211.099    MMCF
420     WATER       EXP            8.940     31.430           X     32.980    IYRS           D
CALC    WATER       EXP    END=    8.940     31.430       1.432     45.980    YRS            D           190.599    M-UNITS

600 SERIES LINES:
-----------------
602 DATA BTU : 0.9574 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

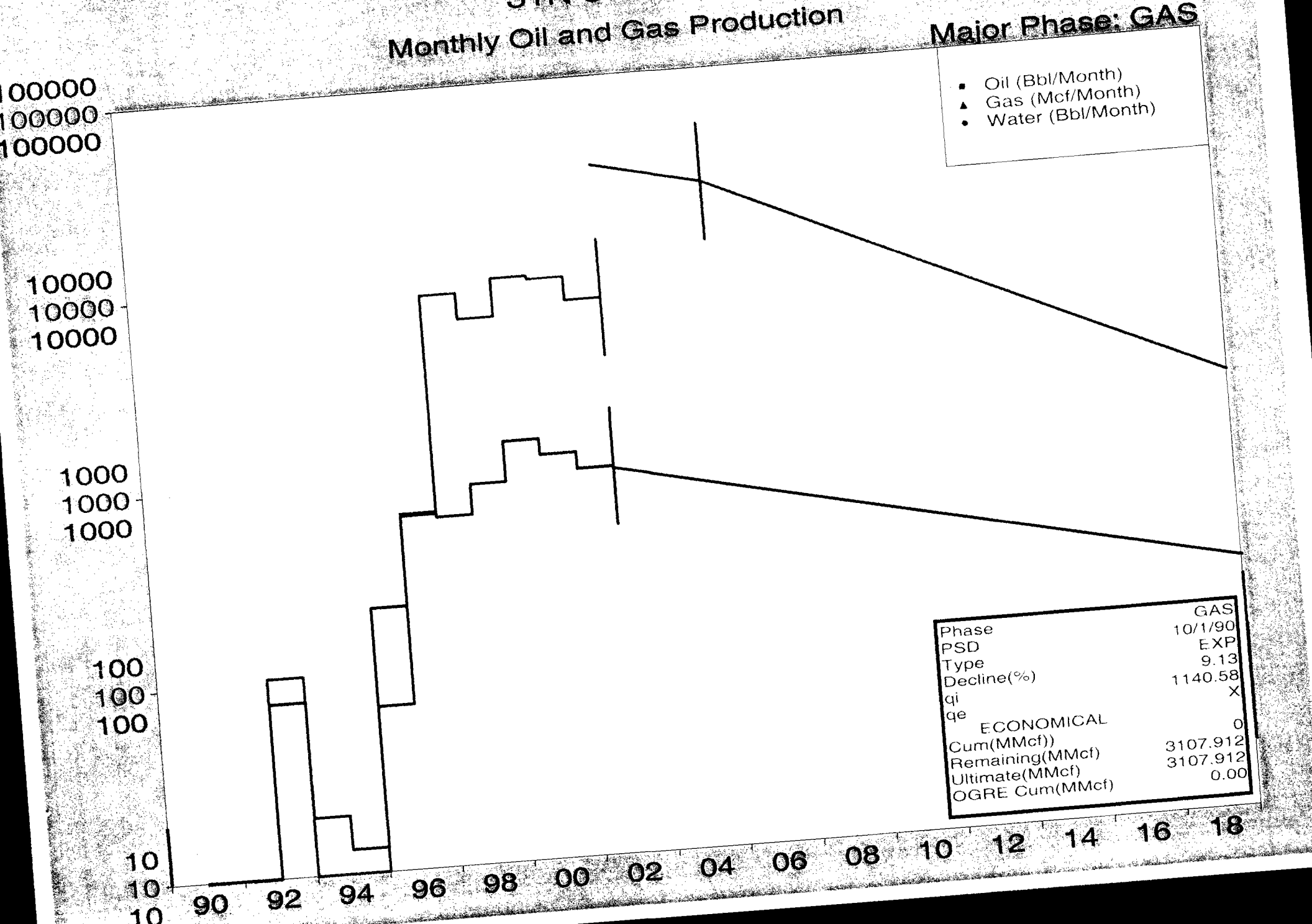
	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.000	AD	G	231.560	156.905	.000		
806	! RECAV								
806	INVEST	1999.860	AD	G	71.560	60.240	.000		
807	! CHANGE PUMP								
807	INVEST	2002.200	AD	G	.000	5.990	.000		
808	! RECAV								
808	INVEST	2002.800	AD	G	146.530	66.280	.000		

```
  853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

  855 NOLOSS = ON

ECONOMIC LIFE  (YRS):        29.000
GROSS GAS      (MMCF):     3107.912
GROSS WATER      (MU):       171.252
```

ROSA UNIT #229
31N 5W 29L
Monthly Oil and Gas Production



ROSA UNIT #230
PROPNUM 81358-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/04/03
TIME: 16:04:07
FILE: FTC_COM
PROP: 30
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.51	.000	.000	8.760	292.694	-301.454	-293.496
12-92	.000	.576	.000	.368	.00	1.73	.635	.063	17.499	.000	-16.927	-308.196
12-93	.000	2.733	.000	1.746	.00	1.49	2.599	.258	23.864	.000	-21.523	-325.502
12-94	.000	3.447	.000	2.202	.00	1.08	2.373	.236	14.326	.000	-12.189	-334.577
12-95	.000	.071	.000	.045	.00	1.27	.057	.006	22.210	.000	-22.159	-349.853
12-96	.000	1.193	.000	.762	.00	1.52	1.155	.115	32.228	.000	-31.188	-369.760
12-97	.000	43.171	.000	27.575	.00	2.12	58.420	5.790	66.105	.000	-13.475	-377.724
12-98	.000	177.396	.000	113.312	.00	1.70	192.462	19.073	108.849	.000	64.540	-342.405
12-99	.000	149.246	.000	95.331	.00	1.88	179.332	17.772	105.923	109.160	-53.523	-368.263
12-00	.000	393.484	.000	251.338	.00	3.22	810.192	80.290	190.334	28.229	511.339	-128.054
12-01	.000	503.219	.000	321.431	.00	3.20	1027.332	101.809	219.640	2.913	702.970	177.298
12-02	.000	470.906	.000	300.791	.00	3.20	961.365	95.271	211.281	4.373	650.440	438.890
12-03	.000	470.311	.000	300.411	.00	3.20	960.150	95.151	209.030	.000	655.969	683.202
12-04	.000	446.795	.000	285.390	.00	3.20	912.141	90.393	195.806	.000	625.942	899.062
12-05	.000	424.456	.000	271.121	.00	3.20	866.536	85.873	183.789	.000	596.874	1089.651
12-06	.000	373.321	.000	238.459	.00	3.20	762.144	75.529	165.093	.000	521.522	1243.843
12-07	.000	298.705	.000	190.798	.00	3.20	609.814	60.432	140.996	.000	408.386	1355.642
12-08	.000	238.964	.000	152.638	.00	3.20	487.850	48.346	121.357	.000	318.147	1436.286
12-09	.000	191.171	.000	122.110	.00	3.20	390.278	38.677	105.337	.000	246.264	1494.085
12-10	.000	152.937	.000	97.689	.00	3.20	312.226	30.941	92.253	.000	189.032	1535.165
12-11	.000	122.349	.000	78.150	.00	3.20	249.777	24.753	81.554	.000	143.470	1564.034
12-12	.000	97.880	.000	62.521	.00	3.20	199.825	19.802	72.791	.000	107.232	1584.013
12-13	.000	78.303	.000	50.016	.00	3.20	159.857	15.842	65.599	.000	78.416	1597.541
12-14	.000	62.643	.000	40.013	.00	3.20	127.886	12.674	59.692	.000	55.520	1606.409
12-15	.000	50.115	.000	32.011	.00	3.20	102.311	10.139	54.830	.000	37.342	1611.932
12-16	.000	40.091	.000	25.608	.00	3.20	81.846	8.111	50.820	.000	22.915	1615.070
12-17	.000	32.073	.000	20.487	.00	3.20	65.479	6.489	47.508	.000	11.482	1616.526
12-18	.000	25.659	.000	16.390	.00	3.20	52.384	5.192	44.769	.000	2.423	1616.810
S TOT	.000	4851.215	.000	3098.713	.00	3.09	9576.426	949.027	2712.243	437.368	5477.788	1616.810
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	1616.810
TOTAL	.000	4851.215	.000	3098.713	.00	3.09	9576.426	949.027	2712.243	437.368	5477.788	1616.810
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				9576.426				
ULT.	.000	4851.215		TOTAL REVENUES (M$)				9576.426				

BTAX RATE OF RETURN (PCT)	24.28	PROJECT LIFE (YEARS)	28.000		
BTAX PAYOUT	10/27/2000	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	06/05/2001	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	13.52	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	5.55	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/90	INITIAL NET GAS FRACTION	.638750		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750		
WATER GROSS PROD. (MU)	393.866	WATER NET PRODUCTION (MU)	251.583	WATER NET REVENUES (M$)	.000

---PRESENT WORTH PROFILE---

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	5477.787	30.0	-131.132
2.0	4024.571	35.0	-189.726
5.0	2551.185	40.0	-223.001
8.0	1616.810	45.0	-241.760
10.0	1185.591	50.0	-252.014
12.0	859.855	60.0	-259.293
15.0	510.553	70.0	-258.637
18.0	274.876	80.0	-255.066
20.0	160.865	90.0	-250.525
25.0	-27.158	100.0	-245.787

CASE NAME: ROSA UNIT #230 -TEST -1PDP-RLG-1392.01 -BASIN

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101 ROSA UNIT #230
102 PROPNUM 81358-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 09 01 1990 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	21.	.000	.000
320	3.	29.000	1104.000
335	3.	547.000	3603.000
336	3.	.000	4750.000
337	3.	51.000	1379.000
338	3.	1023.000	1077.000
339	3.	1659.000	682.000
340	3.	1581.000	.000
341	3.	1334.000	1760.000
342	3.	532.000	800.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	34.000	.000
346	3.	.000	80.000
347	3.	37.000	80.000
348	3.	169.000	1570.000
349	3.	442.000	1840.000
350	3.	.000	80.000
351	3.	582.000	2000.000
352	3.	7687.000	4320.000
353	3.	3998.000	3910.000
354	3.	3246.000	4000.000
355	3.	28240.000	5860.000
356	3.	41893.000	6320.000
357	3.	44505.000	6205.000
358	3.	56373.000	6160.000
359	3.	34625.000	3760.000
360	3.	42861.000	4640.000
361	3.	41419.000	4880.000
362	3.	28495.000	4120.000
363	3.	36471.000	6400.000
364	3.	93210.000	7360.000
365	3.	79080.000	7200.000
366	3.	102404.000	8160.000
367	3.	118790.000	8880.000
368	3.	118927.000	7710.000
369	3.	124876.000	8000.000
370	3.	127074.000	7840.000
371	3.	132342.000	8520.000
372	3.	128459.000	7920.000
373	3.	117282.000	7920.000
374	3.	111394.000	8160.000
375	3.	113771.000	8080.000
376			

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	5.000	1321.852	X	3.041	IYRS	D		
CALC	GAS	EXP END=	5.000	1321.852	1130.942	16.041	YRS	D	3103.946	MMCF
411	GAS	EXP	20.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP END=	20.000	1130.942	1.400	46.041	YRS	D	4951.559	MMCF
420	WATER	EXP	12.624	90.588	X	33.063	IYRS	D		
CALC	WATER	EXP END=	12.624	90.588	1.045	46.063	YRS	D	419.317	M-UNITS

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600 SERIES LINES:
602 DATA BTU : 0.9693 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
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632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
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	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.000	AD	G	214.360	186.590	.000		
806	! RECAV								
806	INVEST	1999.800	AD	G	100.000	49.534	.000		
807	! CHANGE PUMP								
807	INVEST	2000.800	AD	G	9.670	29.000	.000		
808	! CHANGE PUMP								
808	INVEST	2001.180	AD	G	.000	3.990	.000		
809	! CHANGE PUMP								
809	INVEST	2002.200	AD	G	.000	5.990	.000		

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853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):        28.000
GROSS GAS      (MMCF):     4851.215
GROSS WATER      (MU):      393.866
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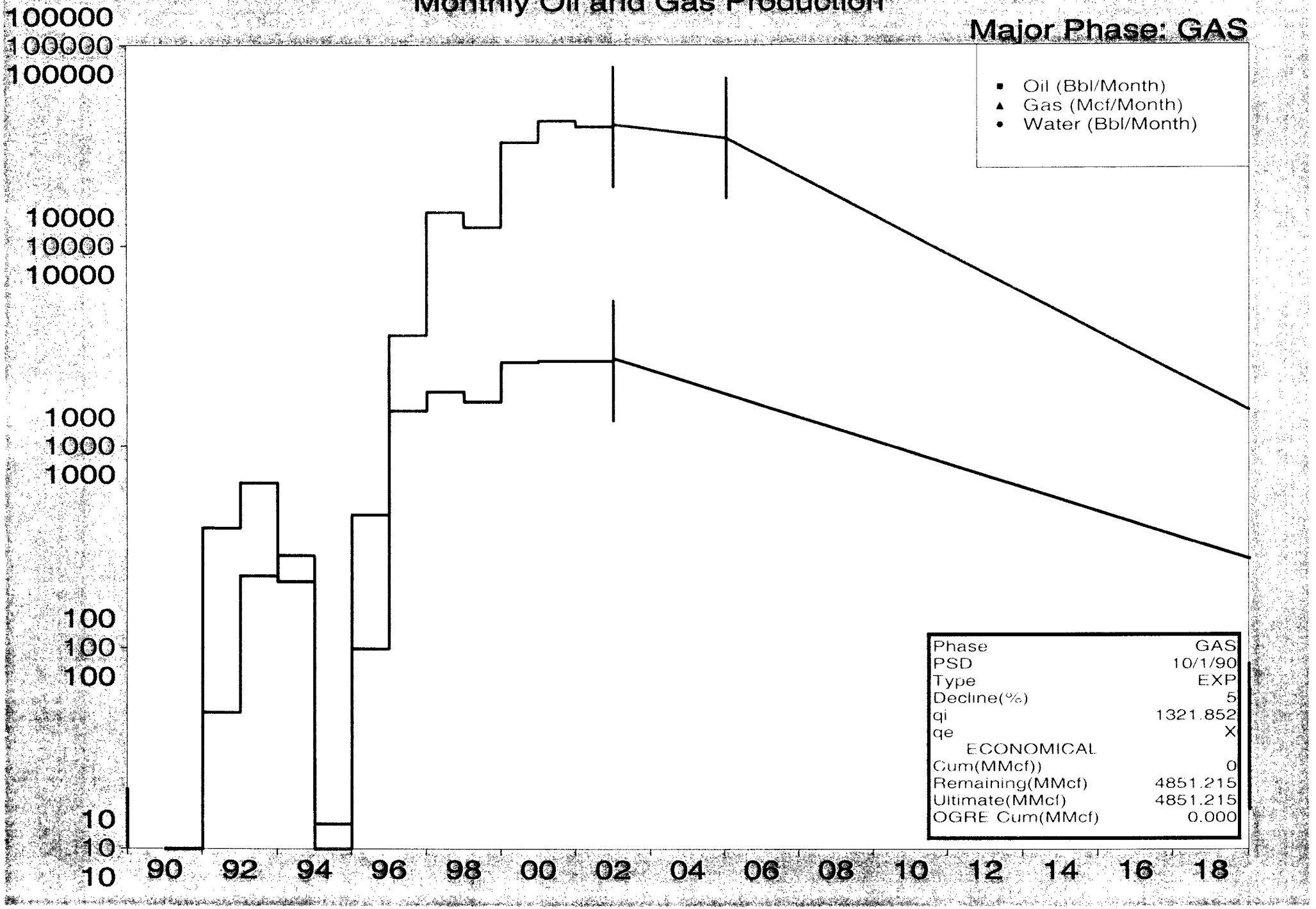
ROSA UNIT #230
31N 5W 31B
Monthly Oil and Gas Production



ROSA UNIT #231
PROPNUM 81155-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/04/03
TIME: 16:13:41
FILE: FTC_COM
PROP: 31
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF NOVEMBER 1, 1989

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-90	.000	.000	.000	.000	.00	1.11	.000	.000	8.760	290.657	-299.417	-295.274
12-91	.000	.000	.000	.000	.00	1.45	.000	.000	8.760	.000	-8.760	-302.979
12-92	.000	48.287	.000	30.843	.00	1.66	51.326	5.086	31.379	.000	14.861	-290.875
12-93	.000	121.084	.000	77.342	.00	1.44	111.001	11.000	60.093	.000	39.908	-260.779
12-94	.000	67.220	.000	42.937	.00	1.04	44.610	4.421	35.636	.000	4.553	-257.600
12-95	.000	21.119	.000	13.490	.00	1.22	16.510	1.636	38.859	.000	-23.985	-273.107
12-96	.000	18.940	.000	12.098	.00	1.46	17.683	1.752	50.277	.000	-34.346	-293.668
12-97	.000	190.423	.000	121.633	.00	2.04	248.463	24.623	110.998	.000	112.842	-231.119
12-98	.000	215.852	.000	137.875	.00	1.64	225.799	22.377	113.475	.000	89.947	-184.954
12-99	.000	251.958	.000	160.938	.00	1.81	291.910	28.928	133.022	153.275	-23.315	-195.198
12-00	.000	557.058	.000	355.821	.00	3.11	1105.934	109.598	216.774	20.293	759.269	138.763
12-01	.000	465.887	.000	297.585	.00	3.08	917.069	90.881	194.487	.000	631.701	396.139
12-02	.000	492.927	.000	314.857	.00	3.08	970.296	96.157	191.537	5.986	676.616	651.341
12-03	.000	494.323	.000	315.749	.00	3.08	973.045	96.429	191.550	.000	685.066	890.640
12-04	.000	469.607	.000	299.961	.00	3.08	924.391	91.607	180.808	.000	651.976	1101.511
12-05	.000	418.073	.000	267.044	.00	3.08	822.950	81.555	163.921	.000	577.474	1274.450
12-06	.000	327.184	.000	208.989	.00	3.08	644.042	63.825	137.684	.000	442.533	1397.161
12-07	.000	255.204	.000	163.012	.00	3.08	502.355	49.783	116.608	.000	335.964	1483.420
12-08	.000	199.058	.000	127.148	.00	3.08	391.832	38.831	99.866	.000	253.135	1543.599
12-09	.000	155.266	.000	99.176	.00	3.08	305.631	30.288	86.540	.000	188.803	1585.159
12-10	.000	121.108	.000	77.358	.00	3.08	238.394	23.624	75.916	.000	138.854	1613.460
12-11	.000	94.463	.000	60.338	.00	3.08	185.944	18.427	67.422	.000	100.095	1632.350
12-12	.000	73.682	.000	47.064	.00	3.08	145.037	14.373	60.622	.000	70.042	1644.589
12-13	.000	57.472	.000	36.710	.00	3.08	113.129	11.211	55.157	.000	46.761	1652.155
12-14	.000	44.828	.000	28.634	.00	3.08	88.241	8.745	50.760	.000	28.736	1656.460
12-15	.000	34.965	.000	22.334	.00	3.08	68.827	6.820	47.207	.000	14.800	1658.513
12-16	.000	27.274	.000	17.421	.00	3.08	53.686	5.321	44.328	.000	4.037	1659.032
S TOT	.000	5223.262	.000	3336.357	.00	2.83	9458.105	937.298	2572.446	470.211	5478.150	1659.032
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	1659.032
TOTAL	.000	5223.262	.000	3336.357	.00	2.83	9458.105	937.298	2572.446	470.211	5478.150	1659.032
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			9458.105	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	5223.262		TOTAL REVENUES (M$)			9458.105	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		25.40	PROJECT LIFE (YEARS)				27.000	.0	5478.150	30.0	-100.076	
BTAX PAYOUT		03/12/2000	DISCOUNT RATE (PCT)				8.000	2.0	4045.068	35.0	-163.571	
BTAX PAYOUT (DISC)		08/07/2000	GROSS OIL WELLS				.000	5.0	2587.061	40.0	-201.603	
BTAX NET INCOME/INVEST		12.65	GROSS GAS WELLS				1.000	8.0	1659.032	45.0	-224.871	
BTAX NET INCOME/INVEST (DISC)		5.48	GROSS WELLS				2.000	10.0	1229.458	50.0	-239.334	
								12.0	904.161	60.0	-254.106	
INITIAL W.I. FRACTION		.730000	INITIAL NET OIL FRACTION				.000000	15.0	554.120	70.0	-259.786	
FINAL W.I. FRACTION		.730000	FINAL NET OIL FRACTION				.000000	18.0	316.698	80.0	-261.570	
PRODUCTION START DATE		1/01/90	INITIAL NET GAS FRACTION				.638750	20.0	201.186	90.0	-261.579	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.638750	25.0	8.752	100.0	-260.745	
WATER GROSS PROD. (MU)		319.777	WATER NET PRODUCTION (MU)				204.259	WATER NET REVENUES (M$)			.000	

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101 ROSA UNIT #231
102 PROPNUM 81155-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 89 12 11 01 1989 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	1/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	30.	.000	.000
320	3.	8783.000	1572.000
335	3.	39504.000	4208.000
336	3.	38058.000	5519.000
337	3.	27057.000	3773.000
338	3.	28162.000	1971.000
339	3.	27807.000	281.000
340	3.	27849.000	.000
341	3.	26215.000	3040.000
342	3.	12911.000	2480.000
343	3.	245.000	.000
344	3.	5018.000	1920.000
345	3.	14542.000	3840.000
346	3.	1559.000	640.000
347	3.	.000	.000
348	3.	1971.000	1755.000
349	3.	4863.000	3360.000
350	3.	6244.000	4000.000
351	3.	5862.000	3840.000
352	3.	16517.000	5760.000
353	3.	48643.000	5360.000
354	3.	63709.000	5420.000
355	3.	61554.000	6200.000
356	3.	56034.000	5360.000
357	3.	59995.000	5095.000
358	3.	57881.000	6000.000
359	3.	41942.000	4160.000
360	3.	45964.000	4160.000
361	3.	64249.000	5220.000
362	3.	69388.000	5560.000
363	3.	72357.000	6640.000
364	3.	138893.000	6200.000
365	3.	132758.000	6165.000
366	3.	140729.000	6320.000
367	3.	144678.000	7000.000
368	3.	114369.000	7320.000
369	3.	119890.000	6480.000
370	3.	118990.000	6240.000
371	3.	112638.000	5920.000
372	3.	120071.000	5760.000
373	3.	128296.000	4880.000
374	3.	124759.000	4960.000
375	3.	119801.000	5040.000
376			

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	5.000	1389.340	X	2.175	IYRS	D		
CALC	GAS	EXP END=	5.000	1389.340	1242.674	16.175	YRS	D	3494.418	MMCF
411	GAS	EXP	22.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP END=	22.000	1242.674	.720	46.175	YRS	D	5318.901	MMCF
420	WATER	EXP	12.226	59.777	X	32.337	IYRS	D		
CALC	WATER	EXP END=	12.226	59.777	.881	46.337	YRS	D	344.266	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9346 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
```

632 COMPUTE GASP = GASP * .9421

805 ! DRILL AND COMPLETE

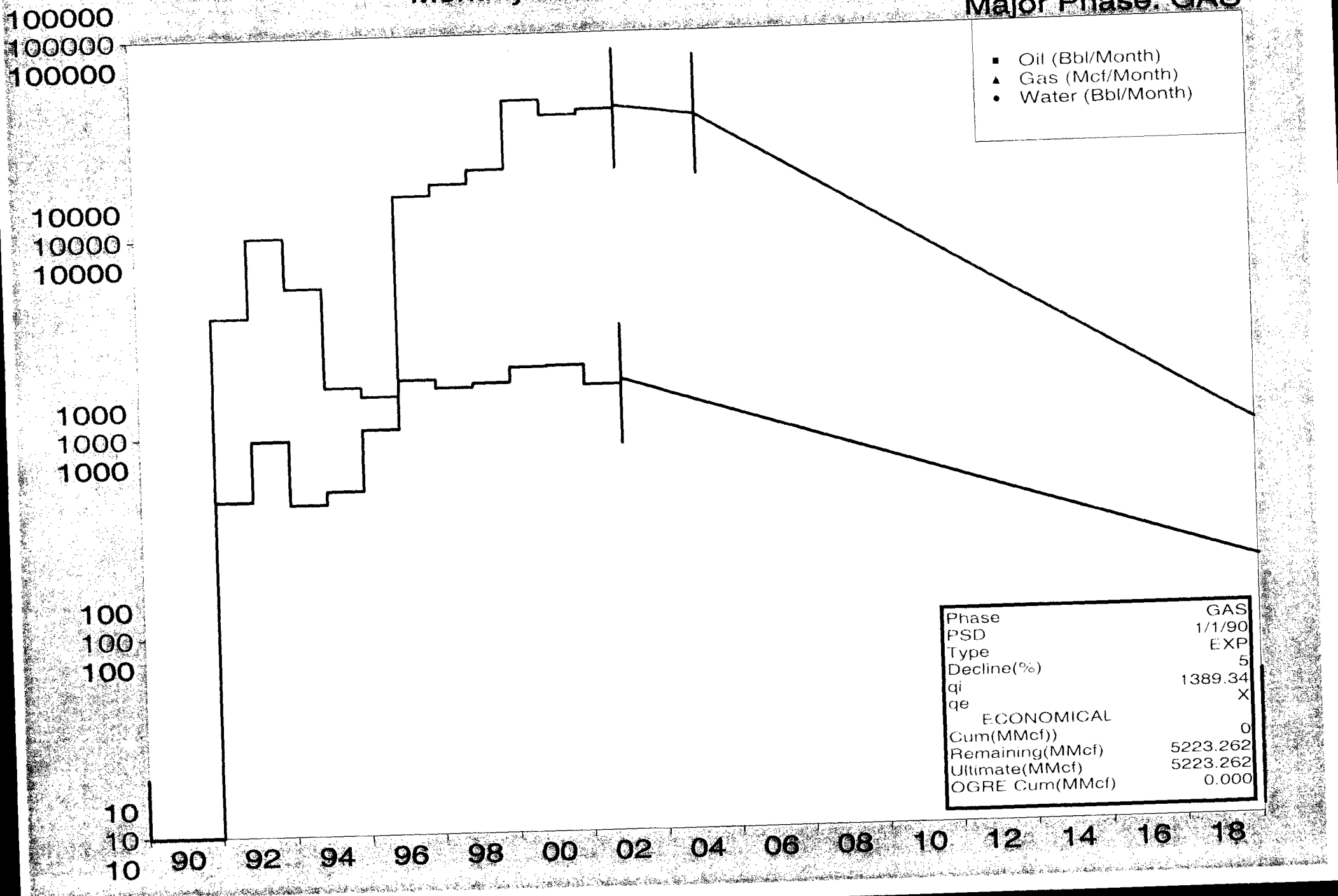
	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1990.000	AD	G	168.530	229.630	.000		
806	! RECAV								
806	INVEST	1999.650	AD	G	123.650	86.316	.000		
807	! CHANGE PUMP								
807	INVEST	2000.300	AD	G	6.799	21.000	.000		
808	! CHANGE PUMP								
808	INVEST	2002.200	AD	G	.000	8.200	.000		

853 CASE $GATHNET88
* 658 COMPUTE GASC = GASC / WI
* 659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE (YRS): 27.000
GROSS GAS (MMCF): 5223.262
GROSS WATER (MU): 319.777

ROSA UNIT #231
31N 5W 31N
Monthly Oil and Gas Production



ROSA UNIT #232
PROPNUM 81359-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/04/03
TIME: 16:16:01
FILE: FTC_COM
PROP: 32
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF AUGUST 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.52	.000	.000	8.760	281.681	-290.441	-280.955
12-92	.000	.000	.000	.000	.00	1.74	.000	.000	8.760	.000	-8.760	-288.514
12-93	.000	.000	.000	.000	.00	1.50	.000	.000	8.760	.000	-8.760	-295.513
12-94	.000	2.735	.000	1.747	.00	1.09	1.899	.188	9.486	.000	-7.775	-301.265
12-95	.000	.159	.000	.102	.00	1.28	.131	.013	21.946	.000	-21.828	-316.216
12-96	.000	5.198	.000	3.320	.00	1.53	5.078	.503	33.462	.000	-28.887	-334.537
12-97	.000	11.363	.000	7.258	.00	2.14	15.515	1.537	37.720	.000	-23.742	-348.479
12-98	.000	120.254	.000	76.812	.00	1.71	131.637	13.045	68.253	.000	50.339	-321.107
12-99	.000	111.498	.000	71.219	.00	1.90	135.176	13.396	77.089	144.449	-99.758	-370.775
12-00	.000	193.838	.000	123.814	.00	3.25	402.699	39.908	109.976	2.365	250.450	-254.047
12-01	.000	223.762	.000	142.928	.00	3.22	460.915	45.676	115.613	.000	299.626	-124.716
12-02	.000	257.376	.000	164.399	.00	3.22	530.155	52.538	122.653	5.986	348.978	14.741
12-03	.000	250.121	.000	159.765	.00	3.22	515.211	51.057	119.081	.000	345.073	142.440
12-04	.000	237.615	.000	151.777	.00	3.22	489.452	48.505	113.256	.000	327.691	254.724
12-05	.000	224.026	.000	143.097	.00	3.22	461.460	45.730	107.433	.000	308.297	352.537
12-06	.000	194.754	.000	124.399	.00	3.22	401.163	39.756	97.757	.000	263.650	429.989
12-07	.000	165.540	.000	105.739	.00	3.22	340.988	33.792	88.324	.000	218.872	489.524
12-08	.000	140.709	.000	89.878	.00	3.22	289.839	28.724	80.234	.000	180.881	535.081
12-09	.000	119.603	.000	76.396	.00	3.22	246.362	24.415	73.295	.000	148.652	569.747
12-10	.000	101.662	.000	64.937	.00	3.22	209.409	20.753	67.343	.000	121.313	595.942
12-11	.000	86.413	.000	55.196	.00	3.22	177.997	17.640	62.232	.000	98.125	615.561
12-12	.000	73.451	.000	46.917	.00	3.22	151.298	14.994	57.847	.000	78.457	630.085
12-13	.000	62.434	.000	39.880	.00	3.22	128.605	12.744	54.080	.000	61.781	640.675
12-14	.000	53.068	.000	33.897	.00	3.22	109.311	10.833	50.845	.000	47.633	648.235
12-15	.000	45.108	.000	28.813	.00	3.22	92.916	9.208	48.061	.000	35.647	653.474
12-16	.000	38.342	.000	24.491	.00	3.22	78.979	7.827	45.669	.000	25.483	656.942
12-17	.000	32.591	.000	20.818	.00	3.22	67.134	6.653	43.612	.000	16.869	659.067
12-18	.000	27.702	.000	17.695	.00	3.22	57.063	5.655	41.843	.000	9.565	660.183
12-19	.000	23.547	.000	15.041	.00	3.22	48.504	4.806	40.318	.000	3.380	660.548
S TOT	.000	2802.869	.000	1790.335	.00	3.10	5548.896	549.896	1813.708	434.481	2750.811	660.548
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	660.548
TOTAL	.000	2802.869	.000	1790.335	.00	3.10	5548.896	549.896	1813.708	434.481	2750.811	660.548
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				5548.896				
ULT.	.000	2802.869		TOTAL REVENUES (M$)				5548.896				

BTAX RATE OF RETURN (PCT)	17.58	PROJECT LIFE (YEARS)	29.000					
BTAX PAYOUT	08/25/2001	DISCOUNT RATE (PCT)	8.000					
BTAX PAYOUT (DISC)	11/24/2002	GROSS OIL WELLS	.000					
BTAX NET INCOME/INVEST	7.33	GROSS GAS WELLS	1.000					
BTAX NET INCOME/INVEST (DISC)	2.90	GROSS WELLS	2.000					
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000					
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000					
PRODUCTION START DATE	10/01/90	INITIAL NET GAS FRACTION	.638750					
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750					
WATER GROSS PROD. (MU)	172.101	WATER NET PRODUCTION (MU)	109.931					

---------PRESENT WORTH PROFILE---------			
DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	2750.811	30.0	-202.272
2.0	1948.460	35.0	-225.764
5.0	1152.631	40.0	-237.493
8.0	660.548	45.0	-242.713
10.0	438.064	50.0	-244.275
12.0	272.621	60.0	-242.084
15.0	98.573	70.0	-237.094
18.0	-16.058	80.0	-231.416
20.0	-70.310	90.0	-225.788
25.0	-157.028	100.0	-220.448

WATER NET REVENUES (M$) .000

CASE NAME: ROSA UNIT #232 -TEST -1PDP-RLG-1483.01 -BASIN

```
101 ROSA UNIT #232
102 PROPNUM 81359-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 08 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	39.	.000	.000
320	3.	485.000	1.000
341	3.	1602.000	3.000
342	3.	648.000	2.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	102.000	1.000
346	3.	57.000	1.000
347	3.	.000	.000
348	3.	2288.000	710.000
349	3.	203.000	1200.000
350	3.	1577.000	2080.000
351	3.	1130.000	1600.000
352	3.	1669.000	1840.000
353	3.	1506.000	1520.000
354	3.	1842.000	1520.000
355	3.	6346.000	2160.000
356	3.	21513.000	2164.000
357	3.	26672.000	1840.000
358	3.	37713.000	2160.000
359	3.	34356.000	2000.000
360	3.	27940.000	2000.000
361	3.	37720.000	1940.000
362	3.	24221.000	1680.000
363	3.	21617.000	3840.000
364	3.	46817.000	3760.000
365	3.	49610.000	4000.000
366	3.	48069.000	3600.000
367	3.	49342.000	4320.000
368	3.	48600.000	3760.000
369	3.	56304.000	3760.000
370	3.	56568.000	3360.000
371	3.	62290.000	3600.000
372	3.	61611.000	3280.000
373	3.	63538.000	3360.000
374	3.	64907.000	3520.000
375	3.	67320.000	3360.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		5.000	702.988	X	2.625	IYRS	D		
CALC	GAS	EXP	END=	5.000	702.988	614.430	15.625	YRS	D	1556.357	MMCF
411	GAS	EXP		15.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	614.430	4.689	45.625	YRS	D	2925.770	MMCF
420	WATER	EXP		11.102	36.598	X	32.603	IYRS	D		
CALC	WATER	EXP	END=	11.102	36.598	.789	45.603	YRS	D	185.007	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.978 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.000	AD	G	185.865	200.000	.000		

```
806 ! RECAV
806     INVEST      1999.600    AD            G         100.000      97.875       .000
807 ! CHANGE PUMP
807     INVEST      2000.200    AD            G            .000       3.240       .000
808 ! CHANGE PUMP
808     INVEST      2002.400    AD            G            .000       8.200       .000

853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          29.000
GROSS GAS     (MMCF):        2802.869
GROSS WATER     (MU):         172.101
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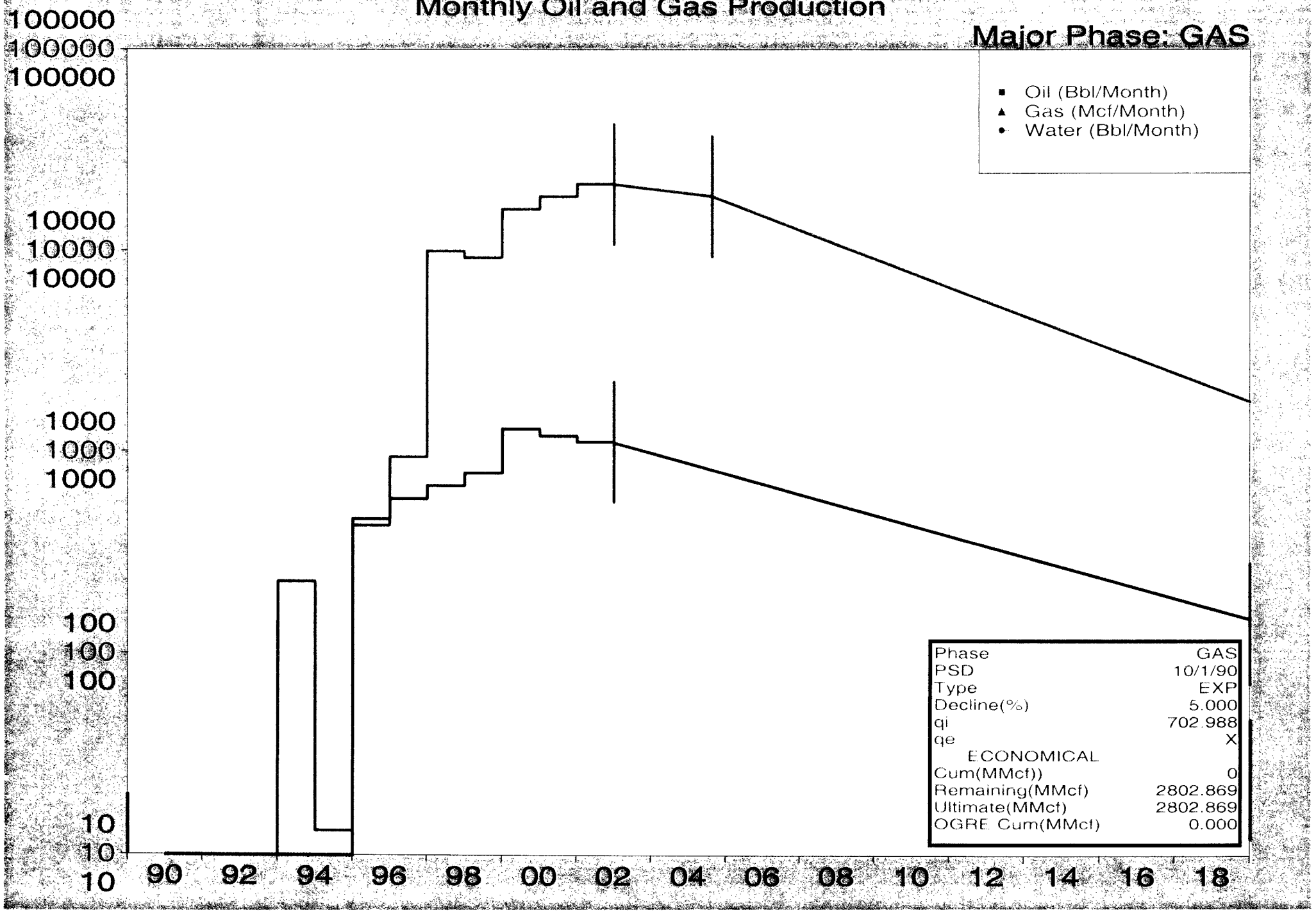
ROSA UNIT #232
31N 5W 20M
Monthly Oil and Gas Production



ROSA UNIT #233
PROPNUM 81187-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/04/03
TIME: 16:23:13
FILE: FTC_COM
PROP: 33
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.53	.000	.000	8.760	284.612	-293.372	-285.620
12-92	.000	.184	.000	.118	.00	1.76	.207	.021	8.811	.000	-8.625	-293.110
12-93	.000	4.924	.000	3.145	.00	1.52	4.766	.472	12.737	.000	-8.443	-299.899
12-94	.000	1.677	.000	1.071	.00	1.10	1.175	.117	10.225	.000	-9.167	-306.724
12-95	.000	.061	.000	.039	.00	1.29	.050	.005	21.921	.000	-21.876	-321.805
12-96	.000	.526	.000	.336	.00	1.54	.519	.052	24.959	.000	-24.492	-337.438
12-97	.000	16.712	.000	10.675	.00	2.16	23.026	2.282	37.407	.000	-16.663	-347.286
12-98	.000	74.164	.000	47.372	.00	1.73	81.923	8.119	54.363	223.329	-203.888	-458.393
12-99	.000	317.419	.000	202.751	.00	1.92	388.329	38.484	116.668	.000	233.177	-340.241
12-00	.000	314.738	.000	201.039	.00	3.28	659.820	65.388	121.417	.000	473.015	-118.315
12-01	.000	323.905	.000	206.894	.00	3.25	673.265	66.721	147.106	.000	459.438	81.274
12-02	.000	268.350	.000	171.409	.00	3.25	557.791	55.277	129.813	4.380	368.321	229.386
12-03	.000	256.985	.000	164.149	.00	3.25	534.166	52.936	124.517	.000	356.713	362.242
12-04	.000	237.789	.000	151.888	.00	3.25	494.267	48.982	116.581	.000	328.704	475.598
12-05	.000	220.026	.000	140.542	.00	3.25	457.345	45.323	109.342	.000	302.680	572.247
12-06	.000	202.158	.000	129.128	.00	3.25	420.202	41.642	102.356	.000	276.204	653.909
12-07	.000	175.645	.000	112.193	.00	3.25	365.093	36.180	93.337	.000	235.576	718.400
12-08	.000	150.755	.000	96.295	.00	3.25	313.359	31.054	84.970	.000	197.335	768.420
12-09	.000	129.394	.000	82.650	.00	3.25	268.956	26.654	77.731	.000	164.571	807.045
12-10	.000	111.059	.000	70.939	.00	3.25	230.846	22.877	71.469	.000	136.500	836.709
12-11	.000	95.321	.000	60.886	.00	3.25	198.132	19.635	66.048	.000	112.449	859.336
12-12	.000	81.815	.000	52.259	.00	3.25	170.059	16.853	61.357	.000	91.849	876.449
12-13	.000	70.221	.000	44.854	.00	3.25	145.962	14.465	57.293	.000	74.204	889.250
12-14	.000	60.271	.000	38.498	.00	3.25	125.278	12.415	53.775	.000	59.088	898.688
12-15	.000	51.731	.000	33.043	.00	3.25	107.527	10.656	50.727	.000	46.144	905.513
12-16	.000	44.400	.000	28.361	.00	3.25	92.291	9.146	48.084	.000	35.061	910.315
12-17	.000	38.109	.000	24.342	.00	3.25	79.213	7.850	45.798	.000	25.565	913.557
12-18	.000	32.709	.000	20.893	.00	3.25	67.989	6.738	43.810	.000	17.441	915.605
12-19	.000	28.074	.000	17.932	.00	3.25	58.354	5.783	42.090	.000	10.481	916.744
12-20	.000	24.096	.000	15.391	.00	3.25	50.085	4.964	40.599	.000	4.522	917.199
S TOT	.000	3333.218	.000	2129.092	.00	3.09	6569.995	651.091	1984.071	512.321	3422.512	917.199
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	917.199
TOTAL	.000	3333.218	.000	2129.092	.00	3.09	6569.995	651.091	1984.071	512.321	3422.512	917.199
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			6569.995	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	3333.218		TOTAL REVENUES (M$)			6569.995	RATE	BTAX, M$	RATE	BTAX, M$	
								----	----------	----	---------	
BTAX RATE OF RETURN (PCT)		20.05	PROJECT LIFE (YEARS)				30.000	.0	3422.512	30.0	-179.024	
BTAX PAYOUT		10/03/2000	DISCOUNT RATE (PCT)				8.000	2.0	2468.245	35.0	-214.348	
BTAX PAYOUT (DISC)		08/07/2001	GROSS OIL WELLS				.000	5.0	1514.281	40.0	-233.843	
BTAX NET INCOME/INVEST		7.68	GROSS GAS WELLS				1.000	8.0	917.199	45.0	-244.279	
BTAX NET INCOME/INVEST (DISC)		3.29	GROSS WELLS				2.000	10.0	643.911	50.0	-249.435	
								12.0	438.492	60.0	-251.621	
INITIAL W.I. FRACTION		.730000	INITIAL NET OIL FRACTION				.000000	15.0	219.269	70.0	-249.065	
FINAL W.I. FRACTION		.730000	FINAL NET OIL FRACTION				.000000	18.0	72.074	80.0	-244.903	
PRODUCTION START DATE		9/01/90	INITIAL NET GAS FRACTION				.638750	20.0	1.132	90.0	-240.328	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.638750	25.0	-115.288	100.0	-235.793	
WATER GROSS PROD. (MU)		168.295	WATER NET PRODUCTION (MU)				107.501	WATER NET REVENUES (M$)			.000	

101 ROSA UNIT #233
102 PROPNUM 81187-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATFAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
120 1 90 12 09 01 1990 8 2

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	9/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	25.	.000	.000
320	3.	184.000	1.000
336	3.	189.000	.000
337	3.	730.000	557.000
338	3.	1200.000	430.000
339	3.	2805.000	480.000
340	3.	1435.000	.000
341	3.	242.000	560.000
342	3.	.000	.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	19.000	1.000
346	3.	30.000	1.000
347	3.	12.000	1.000
348	3.	36.000	640.000
349	3.	66.000	400.000
350	3.	.000	320.000
351	3.	424.000	240.000
352	3.	1665.000	1200.000
353	3.	931.000	480.000
354	3.	8246.000	2720.000
355	3.	5870.000	1680.000
356	3.	.000	.000
357	3.	.000	.000
358	3.	15073.000	3040.000
359	3.	59091.000	4022.000
360	3.	70167.000	306.000
361	3.	77922.000	306.000
362	3.	83545.000	305.000
363	3.	85785.000	304.000
364	3.	83859.000	304.000
365	3.	80252.000	303.000
366	3.	74125.000	303.000
367	3.	76502.000	3301.000
368	3.	88223.000	4161.000
369	3.	79536.000	4000.000
370	3.	78759.000	4480.000
371	3.	77387.000	4320.000
372	3.	77500.000	3840.000
373	3.	60245.000	4080.000
374	3.	58875.000	3680.000
375	3.	71730.000	3920.000
376	3.		

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
411	GAS	EXP	7.470	22257.529	X	3.559	IYRS	M		
CALC	GAS	EXP END=	7.470	22257.529	16884.048	16.559	YRS	M	2153.212	MMCF
412	GAS	EXP	14.170	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP END=	14.170	555.092	5.669	46.559	YRS	D	3465.628	MMCF
420	WATER	EXP	11.018	41.398	X	33.370	IYRS	D		
CALC	WATER	EXP END=	11.018	41.398	.842	46.370	YRS	D	181.494	M-UNITS

600 SERIES LINES:
602 DATA BTU : 0.9869 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
* 644 1.89 UNTIL 1993 AD
* 645 1.63 UNTIL 1994 AD
* 646 1.18 UNTIL 1995 AD
* 647 1.39 UNTIL 1996 AD
* 648 1.66 UNTIL 1997 AD
* 649 2.32 UNTIL 1998 AD
* 650 1.86 UNTIL 1999 AD
* 651 2.06 UNTIL 2000 AD
* 652 3.53 UNTIL 2001 AD
* 653 3.50 UNTIL 2002 AD
* 654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421

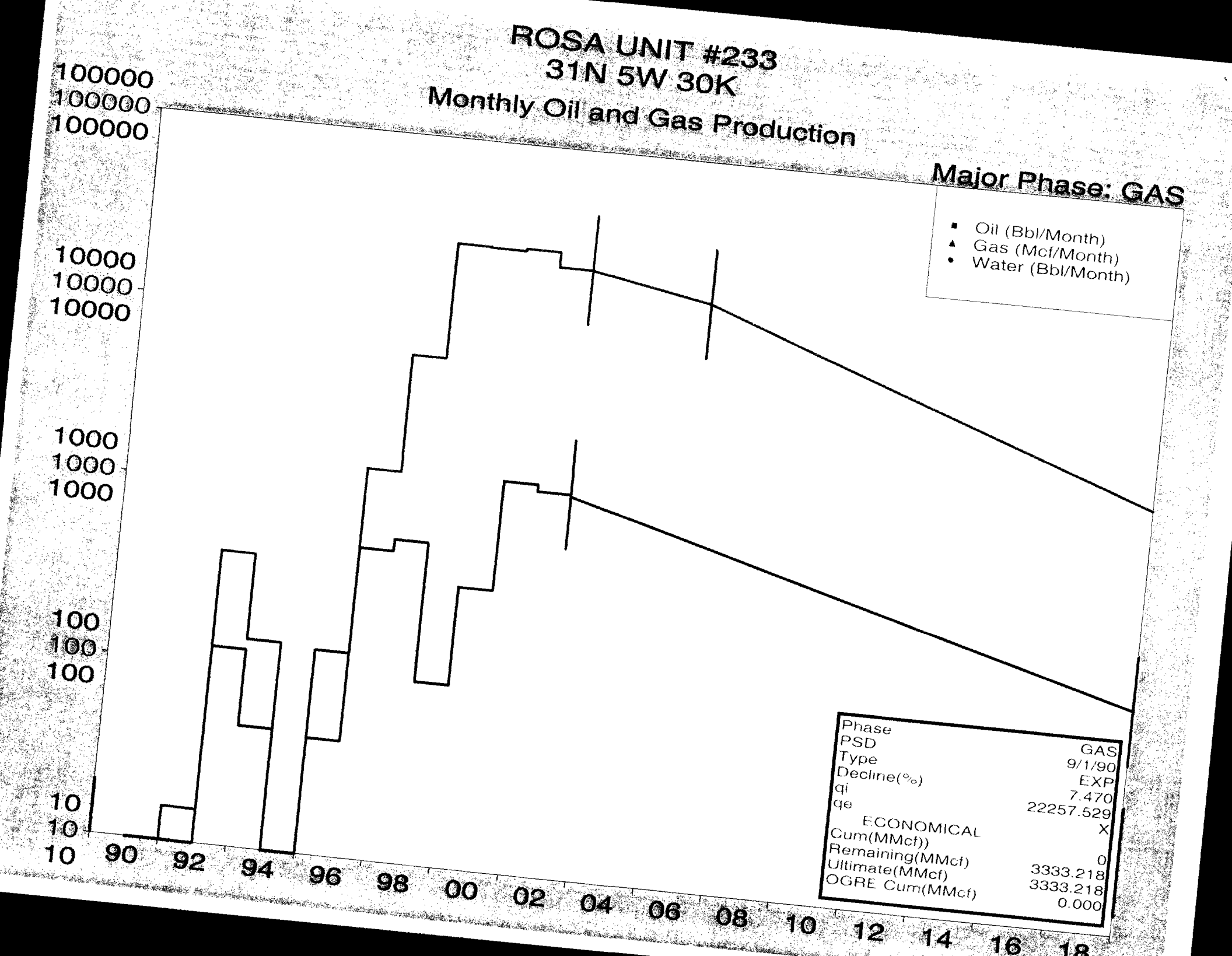
```
805 ! DRILL AND COMPLETE

        INV NAME          INV. POINT          (G OR N)     TANG-M$    INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
        --------    --------------------      --------     -------    ---------   ---------   ---------   ---------
805        INVEST    1991.000     AD             G         213.560      176.320        .000
806 ! RECAV
806        INVEST    1998.550     AD             G         102.300      203.630        .000
807 ! CHANGE PUMP
807        INVEST    2002.200     AD             G            .000        6.000        .000

853 CASE $GATHNET88
*   658 COMPUTE GASC = GASC / WI
*   659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          30.000
GROSS GAS      (MMCF):       3333.218
GROSS WATER      (MU):         168.295
```


ROSA UNIT #233
31N 5W 30K
Monthly Oil and Gas Production
Major Phase: GAS
Oil (Bbl/Month)
Gas (Mcf/Month)
Water (Bbl/Month)
100000
10000
1000
100
10
90
92
94
96
98
00
02
04
06
08
10
12
14
16
18
Phase GAS
PSD 9/1/90
Type EXP
Decline(%) 7.470
qi 22257.529
qe X
ECONOMICAL
Cum(MMcf)) 0
Remaining(MMcf) 3333.218
Ultimate(MMcf) 3333.218
OGRE Cum(MMcf) 0.000

ROSA UNIT #234
PROPNUM 81190-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
SAN JUAN COUNTY ,NM

DATE: 08/05/03
TIME: 04:09:08
FILE: FTC_COM
PROP: 34
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF AUGUST 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.52	.000	.000	8.760	390.652	-399.412	-386.487
12-92	.000	.000	.000	.000	.00	1.74	.000	.000	8.760	.000	-8.760	-394.046
12-93	.000	.000	.000	.000	.00	1.50	.000	.000	8.760	.000	-8.760	-401.045
12-94	.000	1.661	.000	1.061	.00	1.09	1.154	.115	9.196	.000	-8.157	-407.079
12-95	.000	.809	.000	.517	.00	1.28	.662	.066	24.977	.000	-24.381	-423.779
12-96	.000	3.458	.000	2.209	.00	1.53	3.379	.335	32.706	.000	-29.662	-442.591
12-97	.000	4.440	.000	2.836	.00	2.14	6.063	.601	36.402	.000	-30.940	-460.760
12-98	.000	18.168	.000	11.605	.00	1.71	19.890	1.971	36.088	.000	-18.169	-470.639
12-99	.000	23.192	.000	14.814	.00	1.90	28.120	2.787	47.166	142.226	-164.059	-554.348
12-00	.000	15.942	.000	10.183	.00	3.25	33.123	3.282	45.890	.000	-16.049	-561.830
12-01	.000	38.791	.000	24.778	.00	3.23	79.912	7.919	54.987	.000	17.006	-554.489
12-02	.000	49.490	.000	31.612	.00	3.23	101.953	10.104	58.936	4.380	28.533	-543.126
12-03	.000	51.336	.000	32.791	.00	3.23	105.756	10.480	58.492	.000	36.784	-529.514
12-04	.000	56.205	.000	35.901	.00	3.23	115.786	11.475	57.954	.000	46.357	-513.630
12-05	.000	60.840	.000	38.862	.00	3.23	125.335	12.421	57.585	.000	55.329	-496.076
12-06	.000	59.307	.000	37.882	.00	3.23	122.175	12.108	55.799	.000	54.268	-480.134
12-07	.000	56.342	.000	35.988	.00	3.23	116.066	11.502	53.815	.000	50.749	-466.330
12-08	.000	52.967	.000	33.833	.00	3.23	109.116	10.813	51.874	.000	46.429	-454.636
12-09	.000	45.464	.000	29.040	.00	3.23	93.658	9.281	48.986	.000	35.391	-446.383
12-10	.000	38.190	.000	24.394	.00	3.23	78.674	7.797	46.275	.000	24.602	-441.071
12-11	.000	32.079	.000	20.490	.00	3.23	66.083	6.548	43.969	.000	15.566	-437.959
12-12	.000	26.947	.000	17.212	.00	3.23	55.511	5.501	42.009	.000	8.001	-436.478
12-13	.000	22.635	.000	14.458	.00	3.23	46.629	4.621	40.341	.000	1.667	-436.192
S TOT	.000	658.263	.000	420.466	.00	3.11	1309.045	129.727	929.727	537.258	-287.667	-436.192
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-436.192
TOTAL	.000	658.263	.000	420.466	.00	3.11	1309.045	129.727	929.727	537.258	-287.667	-436.192
CUM.	.000	.000										
ULT.	.000	658.263										

		NET OIL REVENUES (M$)	.000		
		NET GAS REVENUES (M$)	1309.045		
		TOTAL REVENUES (M$)	1309.045		
BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	23.000		
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	.46	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	.04	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/90	INITIAL NET GAS FRACTION	.638750		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750		
WATER GROSS PROD. (MU)	95.886	WATER NET PRODUCTION (MU)	61.249		

PRESENT WORTH PROFILE			
DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-287.667	30.0	-399.345
2.0	-355.499	35.0	-386.626
5.0	-411.735	40.0	-375.413
8.0	-436.192	45.0	-365.564
10.0	-442.453	50.0	-356.878
12.0	-443.866	60.0	-342.214
15.0	-440.514	70.0	-330.196
18.0	-433.642	80.0	-320.017
20.0	-428.134	90.0	-311.172
25.0	-413.464	100.0	-303.319

WATER NET REVENUES (M$) .000

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101 ROSA UNIT #234
102 PROPNUM 81190-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 SAN JUAN COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 08 01 1990 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	48.	.000	.000
344	3.	1661.000	1.000
345	3.	701.000	.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	108.000	1570.000
349	3.	234.000	545.000
350	3.	1073.000	2480.000
351	3.	1156.000	1520.000
352	3.	995.000	880.000
353	3.	1504.000	1360.000
354	3.	1442.000	1780.000
355	3.	661.000	2030.000
356	3.	833.000	2140.000
357	3.	1095.000	1280.000
358	3.	11949.000	1920.000
359	3.	2687.000	1010.000
360	3.	2437.000	960.000
361	3.	948.000	1040.000
362	3.	3631.000	1360.000
363	3.	14486.000	2080.000
364	3.	4127.000	1240.000
365	3.	3623.000	1680.000
366	3.	4614.000	1920.000
367	3.	3669.000	1340.000
368	3.	4036.000	1120.000
369	3.	7542.000	2070.000
370	3.	10085.000	1620.000
371	3.	10123.000	2240.000
372	3.	11041.000	1840.000
373	3.	12057.000	2560.000
374	3.	12511.000	2320.000
375	3.	12955.000	1840.000
376	3.	11967.000	1680.000

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	-9.486	4087.067	X	2.603	IYRS	M		
CALC	GAS	EXP END=	-9.486	4087.067	5174.426	15.603	YRS	M	299.930	MMCF
411	GAS	EXP	5.000	LAST	X	2.978	IYRS	M		
CALC	GAS	EXP END=	5.000	5174.426	4441.432	18.581	YRS	M	471.413	MMCF
412	GAS	EXP	16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP END=	16.000	146.020	.781	48.581	YRS	D	775.462	MMCF
420	WATER	EXP	12.568	23.105	X	35.493	IYRS	D		
CALC	WATER	EXP END=	12.568	23.105	.197	48.493	YRS	D	109.682	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9781 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.000 AD	G	137.280	397.860	.000		

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806 ! RECAV
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806     INVEST      1999.300    AD          G        100.000      94.830       .000
807 ! CHANGE PUMP
807     INVEST      2002.200    AD          G           .000       6.000       .000

853 CASE $GATHNET88
*   658 COMPUTE GASC = GASC / WI
*   659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          23.000
GROSS GAS     (MMCF):         658.263
GROSS WATER     (MU):          95.886
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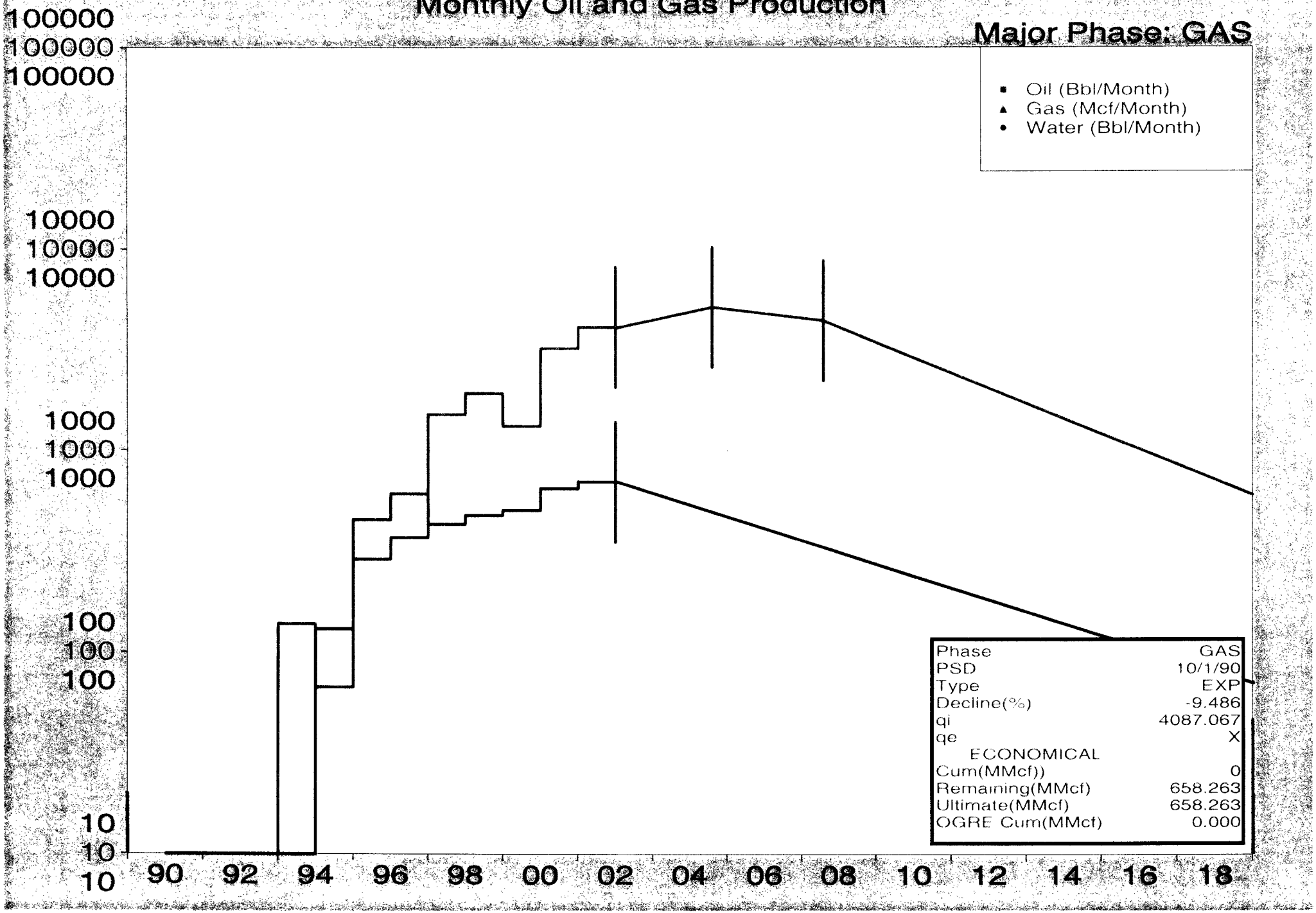
ROSA UNIT #234
31N 6W 9N
Monthly Oil and Gas Production



ROSA UNIT #235
PROPNUM 81197-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
SAN JUAN COUNTY ,NM

DATE: 08/05/03
TIME: 04:18:14
FILE: FTC_COM
PROP: 35
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JUNE 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	1.118	.000	.714	.00	1.55	1.108	.110	10.069	259.143	-268.214	-256.111
12-92	.000	1.830	.000	1.169	.00	1.78	2.078	.206	9.255	.000	-7.383	-262.400
12-93	.000	2.312	.000	1.477	.00	1.53	2.264	.225	18.174	.000	-16.135	-275.127
12-94	.000	2.455	.000	1.568	.00	1.11	1.740	.173	15.051	.000	-13.484	-284.975
12-95	.000	1.194	.000	.763	.00	1.31	.997	.099	38.352	.000	-37.454	-310.303
12-96	.000	3.209	.000	2.050	.00	1.56	3.200	.317	34.994	.000	-32.111	-330.409
12-97	.000	2.925	.000	1.868	.00	2.18	4.075	.404	37.984	.000	-34.313	-350.302
12-98	.000	2.587	.000	1.652	.00	1.75	2.889	.286	32.994	.000	-30.391	-366.616
12-99	.000	10.008	.000	6.393	.00	1.94	12.383	1.227	45.085	136.904	-170.833	-453.118
12-00	.000	10.572	.000	6.753	.00	3.32	22.415	2.221	49.706	.000	-29.512	-466.700
12-01	.000	20.861	.000	13.325	.00	3.29	43.854	4.346	48.092	.000	-8.584	-470.358
12-02	.000	19.924	.000	12.726	.00	3.29	41.882	4.150	49.848	.000	-12.116	-475.139
12-03	.000	21.410	.000	13.676	.00	3.29	45.009	4.461	50.052	.000	-9.504	-478.611
12-04	.000	22.781	.000	14.551	.00	3.29	47.889	4.746	49.359	.000	-6.216	-480.714
12-05	.000	24.059	.000	15.368	.00	3.29	50.577	5.012	48.726	.000	-3.161	-481.704
12-06	.000	23.396	.000	14.944	.00	3.29	49.182	4.874	47.649	.000	-3.341	-482.673
12-07	.000	22.226	.000	14.197	.00	3.29	46.724	4.630	46.505	.000	-4.411	-483.858
12-08	.000	21.115	.000	13.487	.00	3.29	44.387	4.399	45.443	.000	-5.455	-485.214
12-09	.000	19.785	.000	12.638	.00	3.29	41.593	4.122	44.380	.000	-6.909	-486.805
12-10	.000	17.523	.000	11.193	.00	3.29	36.837	3.650	43.125	.000	-9.938	-488.924
12-11	.000	15.427	.000	9.854	.00	3.29	32.430	3.214	41.963	.000	-12.747	-491.440
12-12	.000	13.580	.000	8.674	.00	3.29	28.547	2.829	40.913	.000	-15.195	-494.217
12-13	.000	11.955	.000	7.636	.00	3.29	25.131	2.491	39.968	.000	-17.328	-497.149
12-14	.000	10.524	.000	6.722	.00	3.29	22.123	2.192	39.112	.000	-19.181	-500.154
12-15	.000	9.264	.000	5.917	.00	3.29	19.473	1.930	38.342	.000	-20.799	-503.172
12-16	.000	8.156	.000	5.210	.00	3.29	17.147	1.699	37.642	.000	-22.194	-506.153
12-17	.000	7.180	.000	4.586	.00	3.29	15.093	1.495	37.010	.000	-23.412	-509.065
12-18	.000	6.320	.000	4.037	.00	3.29	13.286	1.317	36.439	.000	-24.470	-511.883
12-19	.000	5.564	.000	3.554	.00	3.29	11.697	1.159	35.919	.000	-25.381	-514.590
12-20	.000	4.899	.000	3.129	.00	3.29	10.298	1.021	35.450	.000	-26.173	-517.174
12-21	.000	4.311	.000	2.754	.00	3.29	9.064	.898	35.025	.000	-26.859	-519.630
12-22	.000	3.796	.000	2.425	.00	3.29	7.981	.791	34.639	.000	-27.449	-521.954
12-23	.000	3.342	.000	2.135	.00	3.29	7.026	.696	34.288	.000	-27.958	-524.145
12-24	.000	2.942	.000	1.879	.00	3.29	6.184	.613	33.969	.000	-28.398	-526.206
12-25	.000	2.589	.000	1.654	.00	3.29	5.443	.540	33.680	.000	-28.777	-528.140
12-26	.000	2.280	.000	1.456	.00	3.29	4.792	.475	33.419	.000	-29.102	-529.951
12-27	.000	2.007	.000	1.282	.00	3.29	4.219	.418	33.178	.000	-29.377	-531.644
12-28	.000	1.766	.000	1.128	.00	3.29	3.712	.368	32.961	.000	-29.617	-533.224
12-29	.000	1.556	.000	.994	.00	3.29	3.271	.324	32.763	.000	-29.816	-534.697
12-30	.000	1.369	.000	.874	.00	3.29	2.876	.285	32.582	.000	-29.991	-536.069
12-31	.000	1.205	.000	.770	.00	3.29	2.534	.251	32.420	.000	-30.137	-537.345
12-32	.000	1.061	.000	.678	.00	3.29	2.231	.221	32.268	.000	-30.258	-538.531
12-33	.000	.934	.000	.597	.00	3.29	1.965	.195	32.134	.000	-30.364	-539.633
12-34	.000	.822	.000	.525	.00	3.29	1.728	.172	32.007	.000	-30.451	-540.657
12-35	.000	.724	.000	.462	.00	3.29	1.520	.151	31.895	.000	-30.526	-541.607
12-36	.000	.637	.000	.407	.00	3.29	1.339	.133	31.792	.000	-30.586	-542.489
12-37	.000	.561	.000	.358	.00	3.29	1.178	.117	31.697	.000	-30.636	-543.307
12-38	.000	.494	.000	.316	.00	3.29	1.040	.103	31.610	.000	-30.673	-544.065
12-39	.000	.177	.000	.113	.00	3.29	.372	.036	12.331	.000	-11.995	-544.346
S TOT	.000	376.732	.000	240.638	.00	3.18	764.783	75.792	1752.259	396.047	-1459.315	-544.346
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-544.346
TOTAL	.000	376.732	.000	240.638	.00	3.18	764.783	75.792	1752.259	396.047	-1459.315	-544.346
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			764.783					
ULT.	.000	376.732		TOTAL REVENUES (M$)			764.783					

BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	48.392	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000	.0	-1459.315	30.0	-291.592
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000	2.0	-1007.768	35.0	-273.138
BTAX NET INCOME/INVEST	-2.68	GROSS GAS WELLS	1.000	5.0	-690.542	40.0	-258.572
BTAX NET INCOME/INVEST (DISC)	-.71	GROSS WELLS	2.000	8.0	-544.346	45.0	-246.738
				10.0	-486.327	50.0	-236.879
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000	12.0	-444.499	60.0	-221.241
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000	15.0	-399.343	70.0	-209.175
PRODUCTION START DATE	10/01/90	INITIAL NET GAS FRACTION	.638750	18.0	-366.679	80.0	-199.384
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750	20.0	-349.318	90.0	-191.150
				25.0	-315.838	100.0	-184.032
WATER GROSS PROD. (MU)	159.251	WATER NET PRODUCTION (MU)	101.725	WATER NET REVENUES (M$)		.000	

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101 ROSA UNIT #235
102 PROPNUM 81197-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 SAN JUAN COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 06 01 1990 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
310	FACT	1.000	1.000
320	3.	.000	.000
329	3.	1118.000	554.000
330	3.	.000	.000
331	3.	.000	.000
332	3.	.000	.000
333	3.	.000	.000
334	3.	.000	.000
335	3.	450.000	1.000
336	3.	1380.000	3.000
337	3.	577.000	465.000
338	3.	261.000	1462.000
339	3.	700.000	1348.000
340	3.	774.000	1545.000
341	3.	847.000	1320.000
342	3.	375.000	840.000
343	3.	.000	15.000
344	3.	1233.000	913.000
345	3.	528.000	2613.000
346	3.	392.000	2655.000
347	3.	211.000	2642.000
348	3.	63.000	930.000
349	3.	248.000	1105.000
350	3.	414.000	800.000
351	3.	665.000	2320.000
352	3.	1882.000	2480.000
353	3.	1179.000	3040.000
354	3.	677.000	2375.000
355	3.	588.000	1770.000
356	3.	481.000	1200.000
357	3.	525.000	1840.000
358	3.	814.000	1700.000
359	3.	531.000	1200.000
360	3.	717.000	960.000
361	3.	1143.000	1760.000
362	3.	940.000	1360.000
363	3.	6076.000	1640.000
364	3.	1849.000	1680.000
365	3.	1820.000	2560.000
366	3.	2973.000	1780.000
367	3.	2491.000	1890.000
368	3.	3288.000	2660.000
369	3.	3391.000	1020.000
370	3.	5719.000	1760.000
371	3.	5605.000	1800.000
372	3.	6146.000	1920.000
373	3.	4735.000	2640.000
374	3.	5974.000	2320.000
375	3.	5262.000	1360.000
376	3.	3953.000	1280.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-6.399	56.858	X	2.641	IYRS	D		
CALC	GAS	EXP	END=	-6.399	56.858	66.978	15.641	YRS	D	138.549	MMCF
411	GAS	EXP		5.000	LAST	X	3.751	IYRS	D		
CALC	GAS	EXP	END=	5.000	66.978	55.255	19.392	YRS	D	221.968	MMCF
412	GAS	EXP		11.968	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	11.968	55.255	1.207	49.392	YRS	D	376.732	MMCF
420	WATER	EXP		7.731	21.368	X	36.340	IYRS	D		
CALC	WATER	EXP	END=	7.731	21.368	1.148	49.340	YRS	D	159.251	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9981 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
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*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE

          INV NAME          INV. POINT          (G OR N)      TANG-M$    INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
          --------          ----------          --------      -------    ---------   ---------   ---------   ---------
   805      INVEST       1991.000    AD            G         154.990      200.000        .000
   806 ! RECAV
   806      INVEST       1999.200    AD            G         100.000       87.540        .000

   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = OFF
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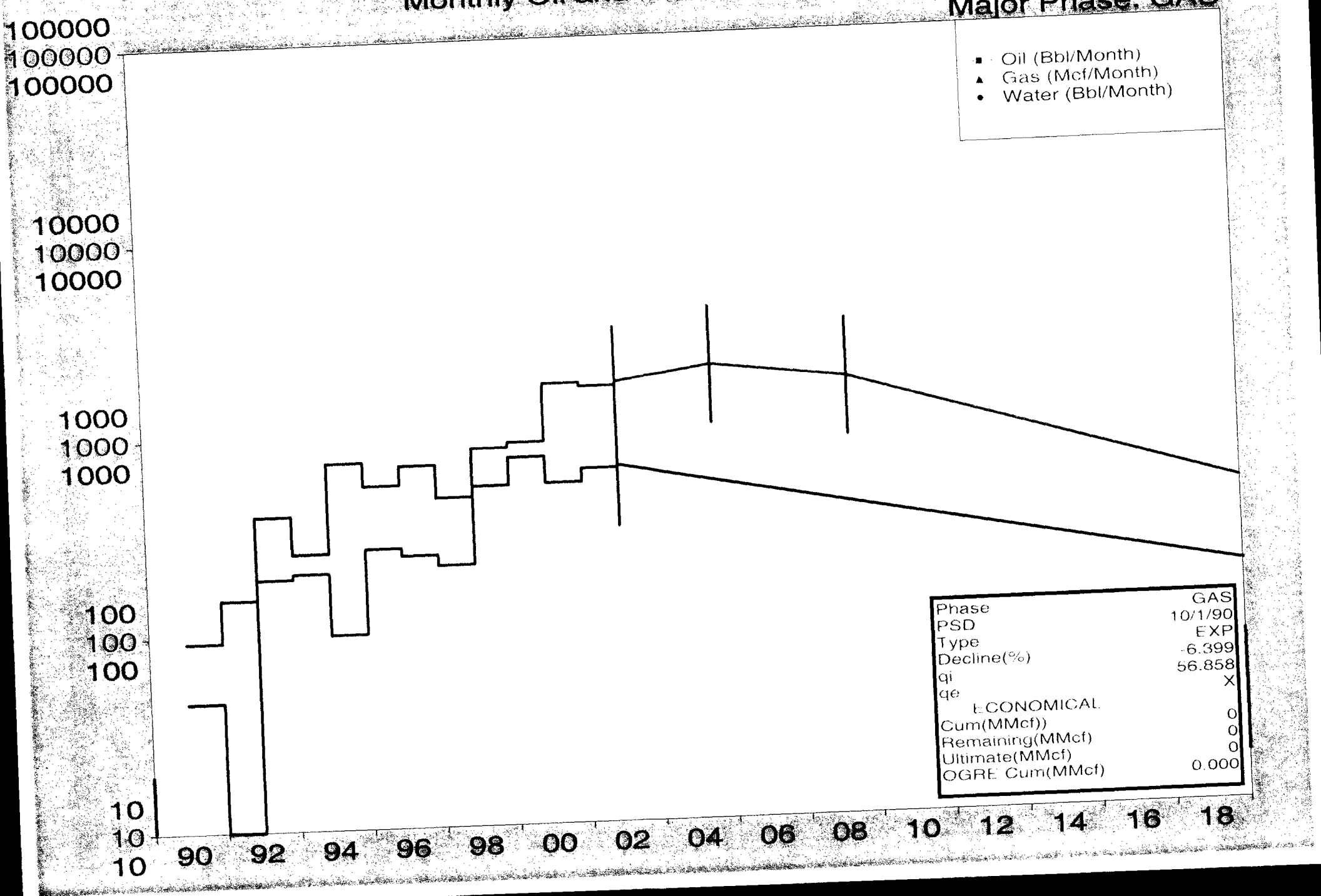
ROSA UNIT #235
31N 6W 9B
Monthly Oil and Gas Production



ROSA UNIT #236
PROPNUM 81259-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
SAN JUAN COUNTY ,NM

DATE: 08/05/03
TIME: 04:21:32
FILE: FTC_COM
PROP: 36
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF AUGUST 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.44	.000	.000	8.760	281.262	-290.022	-280.549
12-92	.000	29.948	.000	19.129	.00	1.65	31.581	3.129	16.538	.000	11.914	-270.269
12-93	.000	61.764	.000	39.452	.00	1.42	56.173	5.567	29.345	.000	21.261	-253.283
12-94	.000	26.070	.000	16.652	.00	1.03	17.164	1.701	24.222	.000	-8.759	-259.763
12-95	.000	166.732	.000	106.500	.00	1.21	129.311	12.815	76.075	.000	40.421	-232.076
12-96	.000	300.894	.000	192.196	.00	1.45	278.691	27.618	101.880	.000	149.193	-137.454
12-97	.000	488.452	.000	311.999	.00	2.03	632.283	62.659	148.025	.000	421.599	110.128
12-98	.000	554.932	.000	354.463	.00	1.62	575.910	57.073	165.842	157.932	195.063	219.115
12-99	.000	469.471	.000	299.875	.00	1.80	539.607	53.475	148.721	.000	337.411	388.991
12-00	.000	410.091	.000	261.946	.00	3.08	807.713	80.044	135.338	.000	592.331	665.120
12-01	.000	390.917	.000	249.698	.00	3.06	763.402	75.653	130.281	.000	557.468	905.747
12-02	.000	367.587	.000	234.796	.00	3.06	717.842	71.138	124.135	.000	522.569	1114.602
12-03	.000	345.650	.000	220.784	.00	3.06	675.004	66.893	118.383	.000	489.728	1295.833
12-04	.000	307.535	.000	196.438	.00	3.06	600.570	59.516	108.662	.000	432.392	1443.993
12-05	.000	258.330	.000	165.008	.00	3.06	504.479	49.994	96.226	.000	358.259	1557.658
12-06	.000	216.997	.000	138.607	.00	3.06	423.764	41.995	85.775	.000	295.994	1644.612
12-07	.000	182.277	.000	116.429	.00	3.06	355.959	35.275	76.990	.000	243.694	1710.899
12-08	.000	153.113	.000	97.801	.00	3.06	299.007	29.632	69.606	.000	199.769	1761.213
12-09	.000	128.615	.000	82.153	.00	3.06	251.167	24.891	63.400	.000	162.876	1799.196
12-10	.000	108.037	.000	69.009	.00	3.06	210.981	20.908	58.184	.000	131.889	1827.675
12-11	.000	90.750	.000	57.967	.00	3.06	177.223	17.563	53.799	.000	105.861	1848.840
12-12	.000	76.231	.000	48.693	.00	3.06	148.869	14.753	50.112	.000	84.004	1864.391
12-13	.000	64.034	.000	40.902	.00	3.06	125.050	12.393	47.015	.000	65.642	1875.643
12-14	.000	53.788	.000	34.357	.00	3.06	105.040	10.410	44.409	.000	50.221	1883.614
12-15	.000	45.182	.000	28.860	.00	3.06	88.234	8.744	42.222	.000	37.268	1889.091
12-16	.000	37.953	.000	24.242	.00	3.06	74.115	7.344	40.379	.000	26.392	1892.682
12-17	.000	31.881	.000	20.364	.00	3.06	62.259	6.170	38.834	.000	17.255	1894.856
12-18	.000	26.779	.000	17.105	.00	3.06	52.295	5.183	37.531	.000	9.581	1895.974
12-19	.000	22.495	.000	14.369	.00	3.06	43.930	4.354	36.439	.000	3.137	1896.313
S TOT	.000	5416.505	.000	3459.794	.00	2.53	8747.623	866.890	2177.128	439.194	5264.411	1896.313
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	1896.313
TOTAL	.000	5416.505	.000	3459.794	.00	2.53	8747.623	866.890	2177.128	439.194	5264.411	1896.313
CUM.	.000	.000		NET OIL REVENUES (M$)				.000	---------PRESENT WORTH PROFILE---------			
				NET GAS REVENUES (M$)				8747.623	DISC	PW OF NET	DISC	PW OF NET
ULT.	.000	5416.505		TOTAL REVENUES (M$)				8747.623	RATE	BTAX, M$	RATE	BTAX, M$
									.0	5264.411	30.0	71.195
BTAX RATE OF RETURN (PCT)		33.98	PROJECT LIFE (YEARS)					29.000	2.0	4030.848	35.0	-18.338
BTAX PAYOUT		07/21/1997	DISCOUNT RATE (PCT)					8.000	5.0	2744.746	40.0	-77.092
BTAX PAYOUT (DISC)		11/21/1997	GROSS OIL WELLS					.000	8.0	1896.313	45.0	-116.478
BTAX NET INCOME/INVEST		12.99	GROSS GAS WELLS					1.000	10.0	1489.765	50.0	-143.325
BTAX NET INCOME/INVEST (DISC)		6.34	GROSS WELLS					2.000	12.0	1172.759	60.0	-174.690
INITIAL W.I. FRACTION		.730000	INITIAL NET OIL FRACTION					.000000	15.0	818.413	70.0	-189.800
FINAL W.I. FRACTION		.730000	FINAL NET OIL FRACTION					.000000	18.0	565.979	80.0	-196.782
PRODUCTION START DATE		10/01/90	INITIAL NET GAS FRACTION					.638750	20.0	437.724	90.0	-199.480
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION					.638750	25.0	211.289	100.0	-199.830
WATER GROSS PROD. (MU)		36.971	WATER NET PRODUCTION (MU)					23.613	WATER NET REVENUES (M$)			.000

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  101 ROSA UNIT #236
  102 PROPNUM 81259-1
  103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
  104 SAN JUAN COUNTY ,NM

  117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATFAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
  120 1 90 12 08 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	24.	.000	.000
320	3.	29948.000	193.000
344	3.	32562.000	336.000
345	3.	13225.000	1071.000
346	3.	8954.000	620.000
347	3.	7023.000	860.000
348	3.	6090.000	1185.000
349	3.	6343.000	1105.000
350	3.	8514.000	1520.000
351	3.	5123.000	1120.000
352	3.	10587.000	2000.000
353	3.	49051.000	2290.000
354	3.	52810.000	1580.000
355	3.	54284.000	1160.000
356	3.	73148.000	1360.000
357	3.	78944.000	700.000
358	3.	87107.000	480.000
359	3.	61695.000	400.000
360	3.	105307.000	720.000
361	3.	127871.000	800.000
362	3.	119042.000	240.000
363	3.	136232.000	980.000
364	3.	157158.000	860.000
365	3.	124493.000	2120.000
366	3.	143089.000	170.000
367	3.	130192.000	320.000
368	3.	129578.000	160.000
369	3.	128063.000	100.000
370	3.	102640.000	400.000
371	3.	109190.000	241.000
372	3.	100110.000	480.000
373	3.	96533.000	400.000
374	3.	99417.000	400.000
375	3.	114031.000	356.000
376			

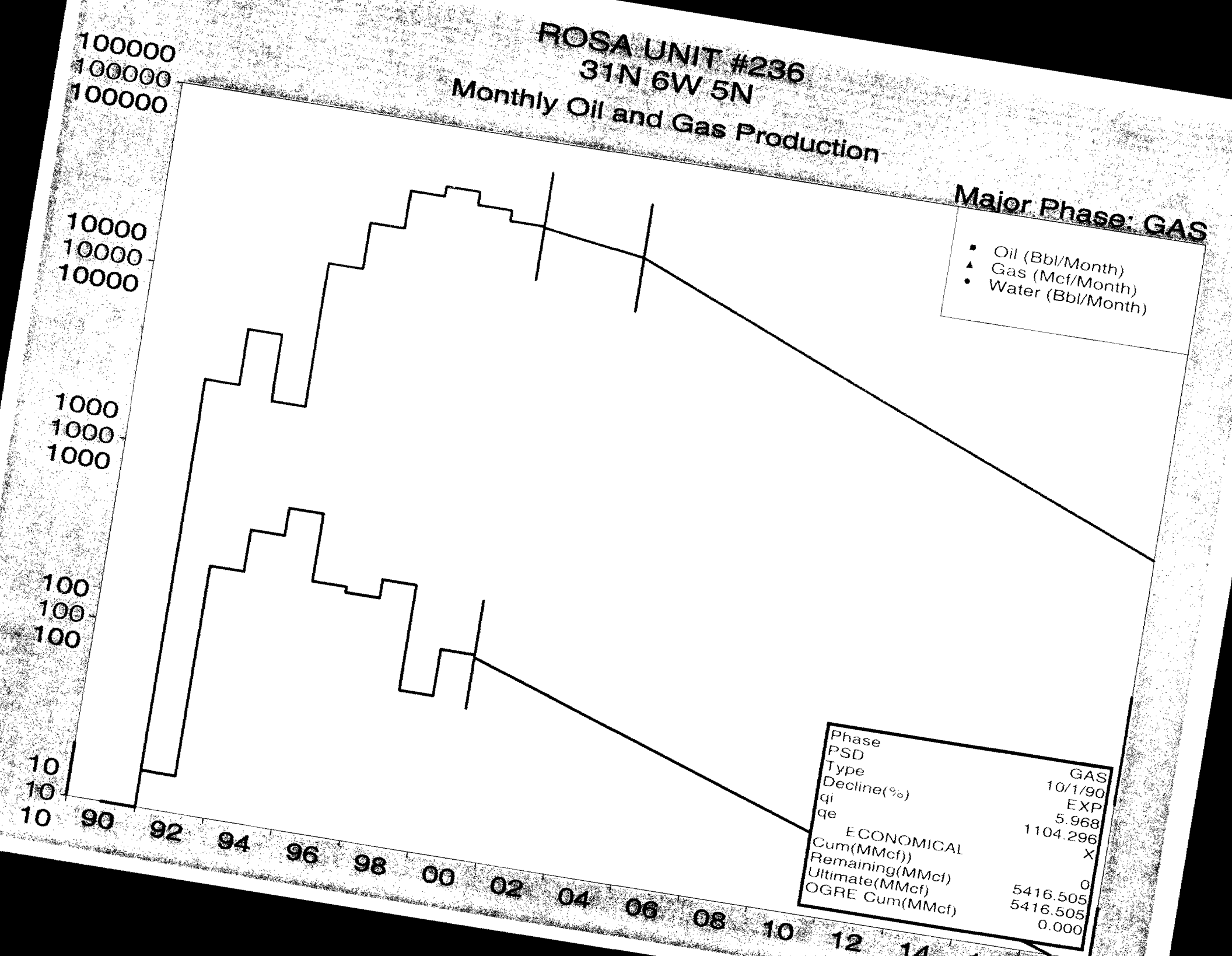
	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	5.968	1104.296	X	3.000	IYRS	D		
CALC	GAS	EXP	END= 5.968	1104.296	918.148	14.000	YRS	D	3612.508	MMCF
411	GAS	EXP	16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END= 16.000	918.148	4.912	44.000	YRS	D	5524.320	MMCF
420	WATER	EXP	13.423	4.325	X	33.000	IYRS	D		
CALC	WATER	EXP	END= 13.423	4.325	.037	44.000	YRS	D	37.585	M-UNITS

600 SERIES LINES:

```
  602 DATA BTU : 0.9272 TO LIFE
  605 DATA WATERC : 2.50 TO LIFE
  612 DATA GASC : .4187 TO LIFE
  613 COMPUTE GASC = GASC * BTU
  615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

  629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
* 644 1.89 UNTIL 1993 AD
* 645 1.63 UNTIL 1994 AD
* 646 1.18 UNTIL 1995 AD
* 647 1.39 UNTIL 1996 AD
* 648 1.66 UNTIL 1997 AD
* 649 2.32 UNTIL 1998 AD
* 650 1.86 UNTIL 1999 AD
* 651 2.06 UNTIL 2000 AD
* 652 3.53 UNTIL 2001 AD
* 653 3.50 UNTIL 2002 AD
* 654 3.50 TO LIFE
  632 COMPUTE GASP = GASP * .9421
  805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.000	AD	G	225.000	160.290	.000		
806	! RECAV								
806	INVEST	1998.950	AD	G	116.345	100.000	.000		

```
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          29.000
GROSS GAS      (MMCF):       5416.505
GROSS WATER      (MU):         36.971
```


ROSA UNIT #236
31N 6W 5N
Monthly Oil and Gas Production
Major Phase: GAS
Oil (Bbl/Month)
Gas (Mcf/Month)
Water (Bbl/Month)
100000
10000
1000
100
10
90
92
94
96
98
00
02
04
06
08
10
12
Phase GAS
PSD 10/1/90
Type EXP
Decline(%) 5.968
qi 1104.296
qe X
ECONOMICAL
Cum(MMcf)) 0
Remaining(MMcf) 5416.505
Ultimate(MMcf) 5416.505
OGRE Cum(MMcf) 0.000

ROSA UNIT #237
PROFNUM 81432-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
SAN JUAN COUNTY ,NM

DATE: 08/05/03
TIME: 04:23:28
FILE: FTC_COM
PROP: 37
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF AUGUST 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.48	.000	.000	8.696	286.139	-294.835	-285.213
12-92	.000	.000	.000	.000	.00	1.69	.000	.000	8.696	.000	-8.696	-292.716
12-93	.000	.000	.000	.000	.00	1.46	.000	.000	8.696	.000	-8.696	-299.664
12-94	.000	11.328	.000	7.183	.00	1.06	7.584	.752	11.554	.000	-4.722	-303.157
12-95	.000	140.632	.000	89.169	.00	1.24	110.907	10.991	65.955	.000	33.961	-279.895
12-96	.000	100.694	.000	63.846	.00	1.49	94.836	9.398	66.649	.000	18.789	-267.979
12-97	.000	214.790	.000	136.190	.00	2.08	282.724	28.018	98.327	.000	156.379	-176.146
12-98	.000	390.748	.000	247.758	.00	1.66	412.354	40.864	132.949	.000	238.541	-46.441
12-99	.000	397.841	.000	252.255	.00	1.84	464.982	46.079	141.187	181.658	96.058	1.921
12-00	.000	517.291	.000	327.994	.00	3.16	1036.024	102.670	166.669	.000	766.685	359.329
12-01	.000	508.808	.000	322.615	.00	3.13	1010.373	100.128	161.869	.000	748.376	682.360
12-02	.000	471.156	.000	298.741	.00	3.13	935.604	92.718	150.543	.000	692.343	959.068
12-03	.000	455.598	.000	288.876	.00	3.13	904.709	89.657	146.575	.000	668.477	1206.447
12-04	.000	432.818	.000	274.433	.00	3.13	859.476	85.174	140.586	.000	633.716	1423.591
12-05	.000	411.176	.000	260.710	.00	3.13	816.498	80.915	134.936	.000	600.647	1614.158
12-06	.000	369.218	.000	234.106	.00	3.13	733.179	72.658	124.196	.000	536.325	1771.713
12-07	.000	296.254	.000	187.843	.00	3.13	588.291	58.299	105.671	.000	424.321	1887.132
12-08	.000	237.002	.000	150.273	.00	3.13	470.628	46.640	90.625	.000	333.363	1971.093
12-09	.000	189.603	.000	120.220	.00	3.13	376.508	37.312	78.592	.000	260.604	2031.867
12-10	.000	151.681	.000	96.175	.00	3.13	301.203	29.849	68.963	.000	202.391	2075.569
12-11	.000	121.346	.000	76.941	.00	3.13	240.966	23.880	61.259	.000	155.827	2106.724
12-12	.000	97.076	.000	61.552	.00	3.13	192.770	19.103	55.096	.000	118.571	2128.674
12-13	.000	77.661	.000	49.242	.00	3.13	154.217	15.283	50.167	.000	88.767	2143.890
12-14	.000	62.129	.000	39.394	.00	3.13	123.375	12.227	46.221	.000	64.927	2154.195
12-15	.000	49.703	.000	31.515	.00	3.13	98.699	9.781	43.064	.000	45.854	2160.934
12-16	.000	39.763	.000	25.212	.00	3.13	78.960	7.825	40.539	.000	30.596	2165.097
12-17	.000	31.810	.000	20.169	.00	3.13	63.166	6.260	38.518	.000	18.388	2167.414
12-18	.000	25.447	.000	16.135	.00	3.13	50.532	5.008	36.903	.000	8.621	2168.420
12-19	.000	20.359	.000	12.909	.00	3.13	40.429	4.007	35.611	.000	.811	2168.508
S TOT	.000	5821.932	.000	3691.456	.00	2.83	10448.994	1035.496	2319.312	467.796	6626.390	2168.508
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	2168.508
TOTAL	.000	5821.932	.000	3691.456	.00	2.83	10448.994	1035.496	2319.312	467.796	6626.390	2168.508
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			10448.994					
ULT.	.000	5821.932		TOTAL REVENUES (M$)			10448.994					

PRESENT WORTH PROFILE			
DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	6626.389	30.0	5.185
2.0	4963.840	35.0	-81.822
5.0	3262.551	40.0	-135.384
8.0	2168.508	45.0	-168.902
10.0	1656.488	50.0	-190.066
12.0	1264.921	60.0	-211.742
15.0	837.965	70.0	-219.566
18.0	543.257	80.0	-221.184
20.0	397.610	90.0	-219.916
25.0	149.838	100.0	-217.303

BTAX RATE OF RETURN (PCT)	30.30	PROJECT LIFE (YEARS)	29.000
BTAX PAYOUT	03/07/1999	DISCOUNT RATE (PCT)	8.000
BTAX PAYOUT (DISC)	12/26/1999	GROSS OIL WELLS	.000
BTAX NET INCOME/INVEST	15.17	GROSS GAS WELLS	1.000
BTAX NET INCOME/INVEST (DISC)	6.88	GROSS WELLS	2.000
INITIAL W.I. FRACTION	.724640	INITIAL NET OIL FRACTION	.000000
FINAL W.I. FRACTION	.724640	FINAL NET OIL FRACTION	.000000
PRODUCTION START DATE	10/01/90	INITIAL NET GAS FRACTION	.634060
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.634060
WATER GROSS PROD. (MU)	49.907	WATER NET PRODUCTION (MU)	31.645

WATER NET REVENUES (M$) .000

```
101 ROSA UNIT #237
102 PROPNUM 81432-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 SAN JUAN COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 90 12 08 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.72464000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63406000	3.650	9.000	1.0	
224	WATER	.000	.63406000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	48.	.000	.000
320	3.	11328.000	1.000
344	3.	39062.000	742.000
345	3.	39712.000	1942.000
346	3.	32876.000	909.000
347	3.	28982.000	1240.000
348	3.	26822.000	2195.000
349	3.	25358.000	3140.000
350	3.	28860.000	3040.000
351	3.	19654.000	2400.000
352	3.	25714.000	3920.000
353	3.	25369.000	2960.000
354	3.	57680.000	3020.000
355	3.	106027.000	2480.000
356	3.	89219.000	1920.000
357	3.	99668.000	1520.000
358	3.	101372.000	2040.000
359	3.	100489.000	1520.000
360	3.	98896.000	1760.000
361	3.	96603.000	1600.000
362	3.	106007.000	560.000
363	3.	96335.000	1840.000
364	3.	144044.000	720.000
365	3.	127716.000	1070.000
366	3.	119490.000	870.000
367	3.	126041.000	540.000
368	3.	120826.000	140.000
369	3.	126344.000	720.000
370	3.	130963.000	310.000
371	3.	130675.000	561.000
372	3.	121290.000	320.000
373	3.	133632.000	320.000
374	3.	111693.000	.000
375	3.	104541.000	80.000
376			

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	5.000	1280.499	X	3.178	IYRS	D		
CALC	GAS	EXP END=	5.000	1280.499	1087.890	16.178	YRS	D	4123.884	MMCF
411	GAS	EXP	20.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP END=	20.000	1087.890	1.347	46.178	YRS	D	5901.162	MMCF
420	WATER	EXP	19.288	2.114	X	30.000	IYRS	D		
CALC	WATER	EXP END=	19.288	2.114	.003	43.000	YRS	D	49.995	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9498 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

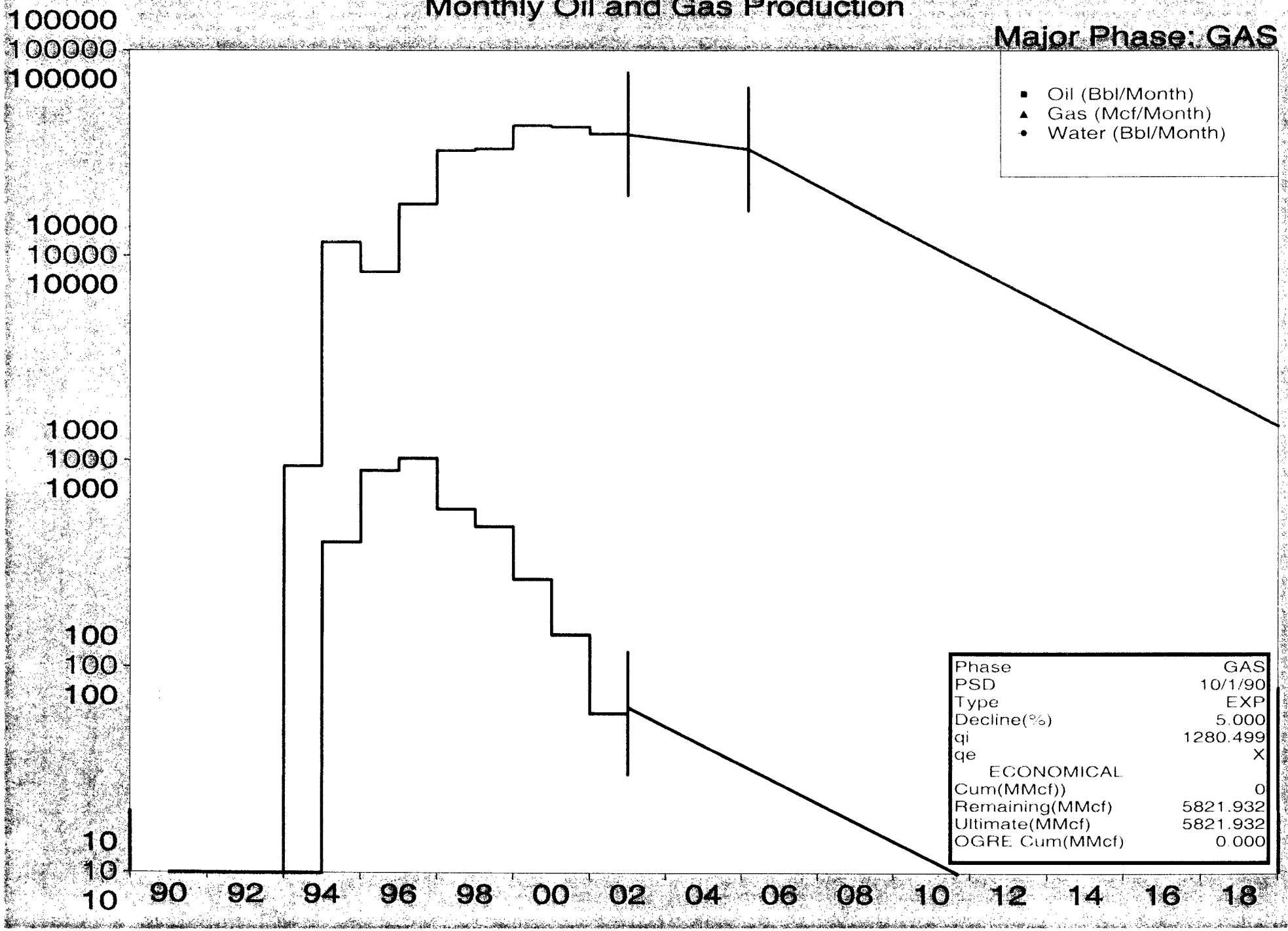
	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.000 AD	G	223.460	171.410	.000		
806	! RECAV							
806	INVEST	1999.500 AD	G	125.343	125.344	.000		

ATHNET88
GASC = GASC / WI
E GASC = GASC * NIG

S = ON

LIFE	(YRS):	29.000
	(MMCF):	5821.932
S	(MU):	49.907
ATER		

ROSA UNIT #237
31N 6W 4L
Monthly Oil and Gas Production



ROSA UNIT COM #238
PROPNUM 81419-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 11:36:16
FILE: FTC_COM
PROP: 112
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JANUARY 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	.000	296.230	-296.230	-272.184
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	.000	.000	.000	-272.184
12-93	.000	.000	.000	.000	.00	1.52	.000	.000	.000	.000	.000	-272.184
12-94	.000	.000	.000	.000	.00	1.10	.000	.000	.000	.000	.000	-272.184
12-95	.000	.000	.000	.000	.00	1.29	.000	.000	.000	.000	.000	-272.184
12-96	.000	.000	.000	.000	.00	1.55	.000	.000	.000	.000	.000	-272.184
12-97	.000	.000	.000	.000	.00	2.16	.000	.000	.000	.000	.000	-272.184
12-98	.000	.419	.000	.367	.00	1.73	.636	.063	1.152	117.600	-118.179	-333.153
12-99	.000	20.107	.000	17.594	.00	1.92	33.759	3.345	53.283	306.952	-329.821	-488.545
12-00	.000	45.071	.000	39.437	.00	3.29	129.670	12.850	73.276	.000	43.544	-469.137
12-01	.000	78.814	.000	68.962	.00	3.26	224.822	22.280	83.148	.000	119.394	-419.864
12-02	.000	84.378	.000	73.831	.00	3.26	240.696	23.853	82.364	.000	134.479	-368.476
12-03	.000	94.952	.000	83.083	.00	3.26	270.858	26.842	84.174	.000	159.842	-311.921
12-04	.000	107.772	.000	94.301	.00	3.26	307.430	30.467	85.090	.000	191.873	-249.062
12-05	.000	114.055	.000	99.798	.00	3.26	325.350	32.243	84.646	.000	208.461	-185.827
12-06	.000	108.358	.000	94.813	.00	3.26	309.099	30.632	80.598	.000	197.869	-130.251
12-07	.000	102.810	.000	89.959	.00	3.26	293.274	29.064	77.140	.000	187.070	-81.600
12-08	.000	97.488	.000	85.302	.00	3.26	278.092	27.559	74.157	.000	176.376	-39.128
12-09	.000	86.129	.000	75.363	.00	3.26	245.690	24.348	69.273	.000	152.069	-5.222
12-10	.000	72.348	.000	63.305	.00	3.26	206.380	20.452	63.721	.000	122.207	20.008
12-11	.000	60.772	.000	53.176	.00	3.26	173.359	17.180	59.116	.000	97.063	38.562
12-12	.000	51.049	.000	44.668	.00	3.26	145.622	14.431	55.296	.000	75.895	51.995
12-13	.000	42.881	.000	37.521	.00	3.26	122.322	12.122	52.120	.000	58.080	61.513
12-14	.000	36.020	.000	31.518	.00	3.26	102.752	10.183	49.477	.000	43.092	68.052
12-15	.000	30.257	.000	26.475	.00	3.26	86.311	8.553	47.273	.000	30.485	72.335
12-16	.000	25.415	.000	22.238	.00	3.26	72.498	7.185	45.434	.000	19.879	74.921
12-17	.000	21.350	.000	18.681	.00	3.26	60.902	6.035	43.901	.000	10.966	76.242
12-18	.000	17.933	.000	15.691	.00	3.26	51.154	5.070	42.616	.000	3.468	76.629
S TOT	.000	1298.378	.000	1136.083	.00	3.24	3680.676	364.757	1307.255	720.782	1287.882	76.629
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	76.629
TOTAL	.000	1298.378	.000	1136.083	.00	3.24	3680.676	364.757	1307.255	720.782	1287.882	76.629
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				3680.676				
ULT.	.000	1298.378		TOTAL REVENUES (M$)				3680.676				

BTAX RATE OF RETURN (PCT)	9.47	PROJECT LIFE (YEARS)	28.000		
BTAX PAYOUT	06/15/2005	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	03/15/2010	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	2.79	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	1.16	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/90	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	46.780	WATER NET PRODUCTION (MU)	40.934	WATER NET REVENUES (M$)	.000

--------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	1287.882	30.0	-225.386
2.0	789.424	35.0	-219.265
5.0	331.431	40.0	-211.235
8.0	76.629	45.0	-202.844
10.0	-27.349	50.0	-194.712
12.0	-97.975	60.0	-179.990
15.0	-163.364	70.0	-167.378
18.0	-198.787	80.0	-156.527
20.0	-212.221	90.0	-147.077
25.0	-225.928	100.0	-138.754

```
101 ROSA UNIT COM #238
102 PROPNUM 81419-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 01 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3000.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN FACT	GAS	WATER
310		1.000	1.000
320	91.	.000	.000
325	2.	372.000	400.000
326	3.	47.000	.000
327	3.	.000	.000
328	3.	.000	.000
329	3.	.000	.000
330	3.	10095.000	2720.000
331	3.	10012.000	1280.000
332	3.	17905.000	2080.000
333	3.	8939.000	2320.000
334	3.	5955.000	2060.000
335	3.	12272.000	1920.000
336	3.	19764.000	2000.000
337	3.	21751.000	1920.000
338	3.	19829.000	1680.000
339	3.	17470.000	1840.000
340	3.	17567.000	1680.000
341	3.	20342.000	1520.000
342	3.	21679.000	1600.000
343	3.	24790.000	1520.000

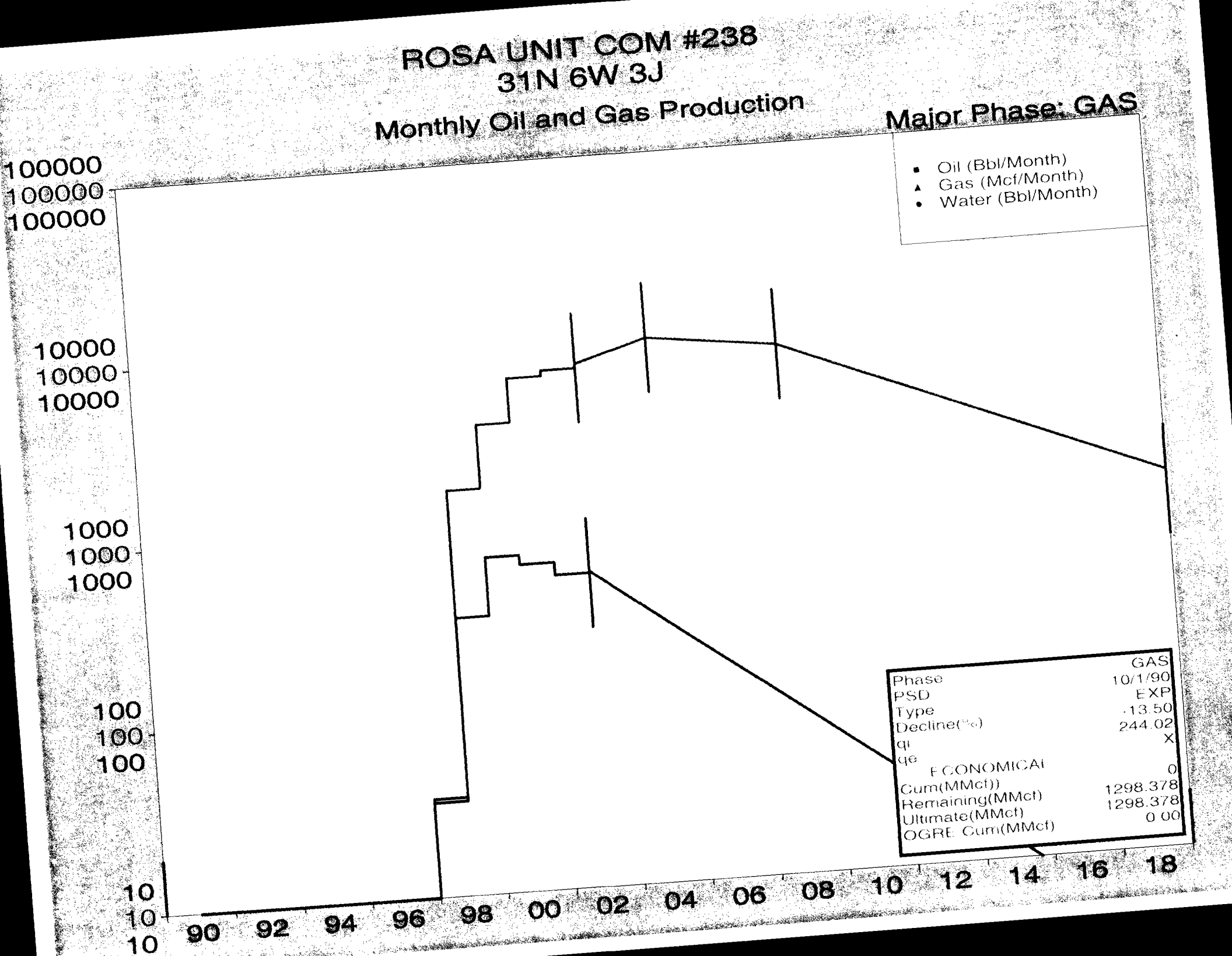
	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	-13.500	244.020	X	2.120	IYRS	D		
CALC	GAS	EXP	END= -13.500	244.020	319.166	15.120	YRS	D	445.386	MMCF
411	GAS	EXP	5.120	LAST	X	3.780	IYRS	D		
CALC	GAS	EXP	END= 5.120	319.166	261.660	18.900	YRS	D	844.756	MMCF
412	GAS	EXP	16.000	LAST	X	30.000	YRS	D		
CALC	GAS	EXP	END= 16.000	261.660	33.147	30.750	YRS	D	1323.136	MMCF
420	WATER	EXP	27.060	17.610	X	30.000	IYRS	D		
CALC	WATER	EXP	END= 27.060	17.610	.001	43.000	YRS	D	46.909	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9887 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1999.0 AD THEN 3000 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	176.230	120.000	.000		
806	! INSTALL ROD PUMP								
806	INVEST	1998.600	AD	G	67.600	50.000	.000		
807	! RECAV								
807	INVEST	1999.800	AD	G	106.952	200.000	.000		

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE (YRS):          28.000
GROSS GAS     (MMCF):       1298.378
GROSS WATER     (MU):         46.780
```

ROSA UNIT COM #238
31N 6W 3J
Monthly Oil and Gas Production



ROSA UNIT #239
PROPNUM 81420-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/05/03
TIME: 04:27:34
FILE: FTC_COM
PROP: 38
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF MAY 1, 1994

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-95	.000	.000	.000	.000	.00	1.29	.000	.000	22.113	.000	-22.113	-20.214
12-96	.000	.000	.000	.000	.00	1.54	.000	.000	22.113	.000	-22.113	-38.931
12-97	.000	.000	.000	.000	.00	2.16	.000	.000	22.113	89.160	-111.273	-124.542
12-98	.000	8.819	.000	5.517	.00	1.73	9.542	.946	47.685	.000	-39.089	-152.907
12-99	.000	18.303	.000	11.449	.00	1.92	21.931	2.174	71.056	236.370	-287.669	-346.194
12-00	.000	38.606	.000	24.150	.00	3.28	79.269	7.855	72.659	.000	-1.245	-346.969
12-01	.000	33.961	.000	21.244	.00	3.25	69.138	6.851	57.501	.000	4.786	-344.212
12-02	.000	30.525	.000	19.095	.00	3.25	62.144	6.159	57.042	.000	-1.057	-344.776
12-03	.000	27.908	.000	17.458	.00	3.25	56.817	5.631	54.156	.000	-2.970	-346.243
12-04	.000	26.154	.000	16.360	.00	3.25	53.243	5.277	51.573	.000	-3.607	-347.892
12-05	.000	24.502	.000	15.327	.00	3.25	49.881	4.943	49.299	.000	-4.361	-349.739
12-06	.000	22.007	.000	13.766	.00	3.25	44.801	4.440	47.055	.000	-6.694	-352.363
12-07	.000	19.147	.000	11.977	.00	3.25	38.979	3.863	44.928	.000	-9.812	-355.925
12-08	.000	16.657	.000	10.420	.00	3.25	33.912	3.361	43.083	.000	-12.532	-360.137
12-09	.000	14.491	.000	9.065	.00	3.25	29.502	2.923	41.482	.000	-14.903	-364.775
12-10	.000	12.608	.000	7.887	.00	3.25	25.668	2.544	40.092	.000	-16.968	-369.665
12-11	.000	10.969	.000	6.862	.00	3.25	22.332	2.213	38.885	.000	-18.766	-374.672
12-12	.000	9.543	.000	5.970	.00	3.25	19.429	1.926	37.838	.000	-20.335	-379.696
12-13	.000	8.302	.000	5.193	.00	3.25	16.901	1.675	36.928	.000	-21.702	-384.661
12-14	.000	7.223	.000	4.518	.00	3.25	14.704	1.457	36.140	.000	-22.893	-389.510
12-15	.000	6.284	.000	3.931	.00	3.25	12.793	1.267	35.457	.000	-23.931	-394.203
12-16	.000	5.467	.000	3.420	.00	3.25	11.130	1.103	34.862	.000	-24.835	-398.713
12-17	.000	4.756	.000	2.975	.00	3.25	9.682	.959	34.345	.000	-25.622	-403.021
12-18	.000	4.138	.000	2.588	.00	3.25	8.423	.835	33.900	.000	-26.312	-407.118
12-19	.000	3.600	.000	2.252	.00	3.25	7.329	.727	33.511	.000	-26.909	-410.997
12-20	.000	3.132	.000	1.959	.00	3.25	6.376	.632	33.174	.000	-27.430	-414.658
12-21	.000	2.725	.000	1.705	.00	3.25	5.549	.550	32.880	.000	-27.881	-418.104
12-22	.000	2.371	.000	1.483	.00	3.25	4.826	.478	32.627	.000	-28.279	-421.340
12-23	.000	2.062	.000	1.290	.00	3.25	4.198	.416	32.407	.000	-28.625	-424.373
12-24	.000	1.795	.000	1.123	.00	3.25	3.655	.362	32.216	.000	-28.923	-427.211
12-25	.000	1.561	.000	.976	.00	3.25	3.176	.315	32.049	.000	-29.188	-429.863
12-26	.000	1.358	.000	.849	.00	3.25	2.763	.274	31.904	.000	-29.415	-432.337
12-27	.000	1.182	.000	.739	.00	3.25	2.405	.238	31.782	.000	-29.615	-434.644
12-28	.000	1.028	.000	.643	.00	3.25	2.093	.207	31.672	.000	-29.786	-436.792
12-29	.000	.894	.000	.559	.00	3.25	1.819	.181	31.576	.000	-29.938	-438.791
12-30	.000	.778	.000	.487	.00	3.25	1.585	.157	31.496	.000	-30.068	-440.650
12-31	.000	.677	.000	.423	.00	3.25	1.377	.137	31.424	.000	-30.184	-442.378
12-32	.000	.589	.000	.368	.00	3.25	1.198	.119	31.362	.000	-30.283	-443.983
12-33	.000	.512	.000	.320	.00	3.25	1.041	.103	31.309	.000	-30.371	-445.474
12-34	.000	.446	.000	.279	.00	3.25	.908	.090	31.263	.000	-30.445	-446.858
12-35	.000	.357	.000	.223	.00	3.25	.726	.072	28.623	.000	-27.969	-448.039
S TOT	.000	375.437	.000	234.850	.00	3.16	741.245	73.460	1573.580	325.530	-1231.325	-448.039
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-448.039
TOTAL	.000	375.437	.000	234.850	.00	3.16	741.245	73.460	1573.580	325.530	-1231.325	-448.039
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			741.245					
ULT.	.000	375.437		TOTAL REVENUES (M$)			741.245					

BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	40.917	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000	2.0	-874.252	35.0	-140.960
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000	5.0	-592.545	40.0	-122.069
BTAX NET INCOME/INVEST	-2.78	GROSS GAS WELLS	1.000	8.0	-448.039	45.0	-106.645
BTAX NET INCOME/INVEST (DISC)	-.97	GROSS WELLS	2.000	10.0	-387.202	50.0	-93.882
				12.0	-342.009	60.0	-74.237
INITIAL W.I. FRACTION	.737090	INITIAL NET OIL FRACTION	.000000	15.0	-291.927	70.0	-60.072
FINAL W.I. FRACTION	.737090	FINAL NET OIL FRACTION	.000000	18.0	-254.721	80.0	-49.581
PRODUCTION START DATE	6/01/94	INITIAL NET GAS FRACTION	.625540	20.0	-234.530	90.0	-41.634
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.625540	25.0	-194.542	100.0	-35.490
WATER GROSS PROD. (MU)	133.069	WATER NET PRODUCTION (MU)	83.238	WATER NET REVENUES (M$)		.000	

CASE NAME: ROSA UNIT #239 -TEST -1PDP-RLG-1377.01 -BASIN

```
101 ROSA UNIT #239
102 PROPNUM 81420-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 94 12 05 01 1994 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73709000	.00	2000.00	1.000	GAS	6/01/1994

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.62554000	3.650	9.000	1.0	
224	WATER	.000	.62554000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	45.	.000	.000
320	3.	8379.000	8160.000
358	3.	419.000	4080.000
359	3.	21.000	400.000
360	3.	.000	.000
361	3.	2868.000	1040.000
362	3.	6145.000	8000.000
363	3.	6784.000	8120.000
364	3.	7519.000	6100.000
365	3.	9537.000	3540.000
366	3.	10555.000	4680.000
367	3.	10977.000	4580.000
368	3.	7572.000	1040.000
369	3.	9800.000	2800.000
370	3.	8968.000	2400.000
371	3.	7651.000	3000.000
372	3.	7483.000	2240.000
373	3.	7560.000	1840.000
374	3.	7847.000	2320.000
375	3.	7720.000	3440.000
376	3.		

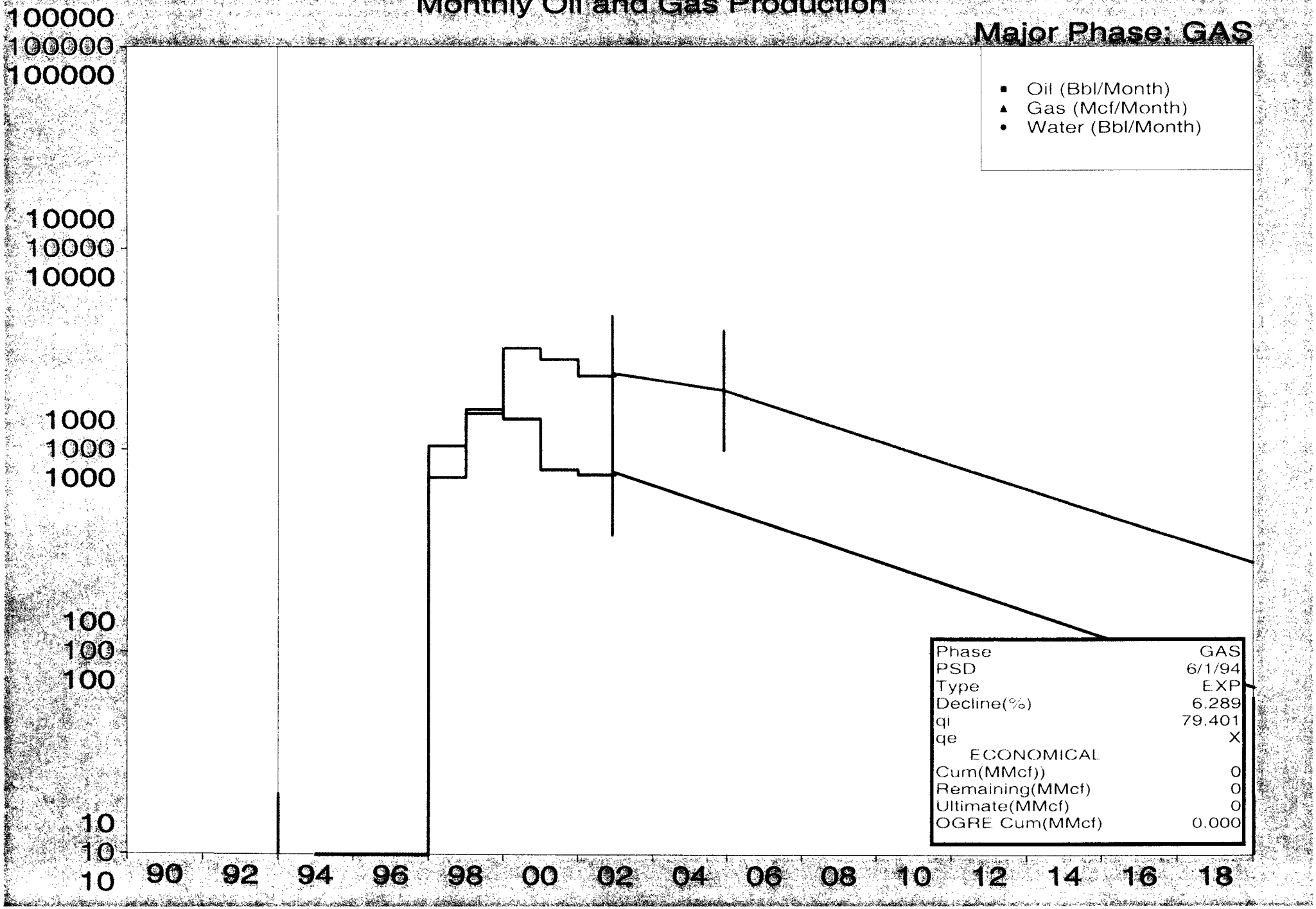
	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	6.289	79.401	X	3.000	IYRS	D		
CALC	GAS	EXP	END= 6.289	79.401	65.343	11.917	YRS	D	206.802	MMCF
411	GAS	EXP	13.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END= 13.000	65.343	1.002	41.917	YRS	D	375.437	MMCF
420	WATER	EXP	13.324	25.808	X	33.000	IYRS	D		
CALC	WATER	EXP	END= 13.324	25.808	.230	41.917	YRS	D	133.069	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.987 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1992.000	AD	G	129.260	189.970	.000		
806	! CAV								
806	INVEST	1997.800	AD	G	60.900	60.062	.000		
807	! RECAV								
807	INVEST	1999.500	AD	G	120.680	200.000	.000		

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

855 NOLOSS = OFF
```

ROSA UNIT #239
31N 6W 2O
Monthly Oil and Gas Production



ROSA UNIT #240
PROPNUM 81421-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/20/03
TIME: 13:58:25
FILE: FTC_COM
PROP: 39
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.53	.000	.000	12.000	394.870	-406.870	-398.672
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	12.000	.000	-12.000	-409.160
12-93	.000	.552	.000	.483	.00	1.52	.732	.073	17.848	.000	-17.189	-423.070
12-94	.000	.658	.000	.576	.00	1.10	.632	.063	15.638	.000	-15.069	-434.361
12-95	.000	.095	.000	.083	.00	1.29	.107	.011	2.234	.000	-2.138	-435.844
12-96	.000	.061	.000	.053	.00	1.54	.082	.008	4.822	.000	-4.748	-438.894
12-97	.000	1.440	.000	1.260	.00	2.16	2.719	.270	.526	.000	1.923	-437.750
12-98	.000	.459	.000	.402	.00	1.73	.695	.069	10.166	.000	-9.540	-443.004
12-99	.000	13.991	.000	12.242	.00	1.92	23.454	2.324	71.860	250.690	-301.420	-596.719
12-00	.000	39.892	.000	34.906	.00	3.28	114.598	11.357	114.628	.000	-11.387	-602.096
12-01	.000	58.061	.000	50.803	.00	3.26	165.371	16.388	118.999	.000	29.984	-588.987
12-02	.000	76.145	.000	66.627	.00	3.26	216.880	21.493	123.740	.000	71.647	-559.982
12-03	.000	85.455	.000	74.773	.00	3.26	243.397	24.121	120.505	.000	98.771	-522.959
12-04	.000	101.196	.000	88.547	.00	3.26	288.233	28.564	117.153	.000	142.516	-473.495
12-05	.000	119.837	.000	104.857	.00	3.26	341.325	33.825	116.572	.000	190.928	-412.137
12-06	.000	135.727	.000	118.761	.00	3.26	386.584	38.311	116.384	.000	231.889	-343.136
12-07	.000	133.174	.000	116.527	.00	3.26	379.312	37.590	110.655	.000	231.067	-279.473
12-08	.000	129.179	.000	113.032	.00	3.26	367.935	36.462	105.316	.000	226.157	-221.778
12-09	.000	125.304	.000	109.641	.00	3.26	356.897	35.369	100.762	.000	220.766	-169.630
12-10	.000	116.312	.000	101.773	.00	3.26	331.286	32.831	94.957	.000	203.498	-125.122
12-11	.000	102.205	.000	89.429	.00	3.26	291.104	28.848	87.785	.000	174.471	-89.789
12-12	.000	89.797	.000	78.572	.00	3.26	255.763	25.346	81.620	.000	148.797	-61.888
12-13	.000	78.896	.000	69.034	.00	3.26	224.716	22.269	76.323	.000	126.124	-39.990
12-14	.000	69.318	.000	60.653	.00	3.26	197.434	19.566	71.758	.000	106.110	-22.931
12-15	.000	60.903	.000	53.290	.00	3.26	173.467	17.191	67.822	.000	88.454	-9.764
12-16	.000	53.509	.000	46.820	.00	3.26	152.406	15.104	64.431	.000	72.871	.280
12-17	.000	47.013	.000	41.136	.00	3.26	133.904	13.270	61.493	.000	59.141	7.828
12-18	.000	41.306	.000	36.143	.00	3.26	117.651	11.660	58.957	.000	47.034	13.386
12-19	.000	36.291	.000	31.755	.00	3.26	103.367	10.244	56.760	.000	36.363	17.365
12-20	.000	24.297	.000	21.260	.00	3.26	69.204	6.858	41.306	.000	21.040	19.517
S TOT	.000	1741.073	.000	1523.438	.00	3.24	4939.255	489.485	2055.020	645.560	1749.190	19.517
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	19.517
TOTAL	.000	1741.073	.000	1523.438	.00	3.24	4939.255	489.485	2055.020	645.560	1749.190	19.517
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			4939.255	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	1741.073		TOTAL REVENUES (M$)			4939.255	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		8.27	PROJECT LIFE (YEARS)				29.750	.0	1749.190	30.0	-405.060	
BTAX PAYOUT		01/21/2007	DISCOUNT RATE (PCT)				8.000	2.0	1022.638	35.0	-402.938	
BTAX PAYOUT (DISC)		12/21/2016	GROSS OIL WELLS				.000	5.0	372.350	40.0	-398.104	
BTAX NET INCOME/INVEST		3.71	GROSS GAS WELLS				1.000	8.0	19.517	45.0	-392.454	
BTAX NET INCOME/INVEST (DISC)		1.04	GROSS WELLS				2.000	10.0	-122.437	50.0	-386.780	
								12.0	-218.378	60.0	-376.384	
INITIAL W.I. FRACTION		1.000000	INITIAL NET OIL FRACTION				.000000	15.0	-307.458	70.0	-367.481	
FINAL W.I. FRACTION		1.000000	FINAL NET OIL FRACTION				.000000	18.0	-356.804	80.0	-359.844	
PRODUCTION START DATE		10/01/90	INITIAL NET GAS FRACTION				.875000	20.0	-376.426	90.0	-353.176	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.875000	25.0	-399.882	100.0	-347.252	
WATER GROSS PROD. (MU)		185.526	WATER NET PRODUCTION (MU)				162.337	WATER NET REVENUES (M$)			.000	

```
101 ROSA UNIT #240
102 PROPNUM 81421-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	36.	.000	.000
320	3.	552.000	2259.000
340	3.	401.000	1040.000
341	3.	63.000	.000
342	3.	.000	.000
343	3.	194.000	320.000
344	3.	52.000	560.000
345	3.	37.000	.000
346	3.	6.000	320.000
347	3.	.000	.000
348	3.	33.000	.000
349	3.	28.000	720.000
350	3.	.000	.000
351	3.	.000	1200.000
352	3.	1440.000	2.000
353	3.	.000	.000
354	3.	.000	.000
355	3.	.000	.000
356	3.	.000	.000
357	3.	.000	.000
358	3.	331.000	2000.000
359	3.	128.000	2000.000
360	3.	231.000	960.000
361	3.	2162.000	1520.000
362	3.	1428.000	1200.000
363	3.	10170.000	6240.000
364	3.	11484.000	6240.000
365	3.	10455.000	5900.000
366	3.	8959.000	5510.000
367	3.	8994.000	5630.000
368	3.	12194.000	4960.000
369	3.	14026.000	6240.000
370	3.	16842.000	5360.000
371	3.	14999.000	5840.000
372	3.	16111.000	5360.000
373	3.	17943.000	4880.000
374	3.	19778.000	5520.000
375	3.	22313.000	5920.000
376			

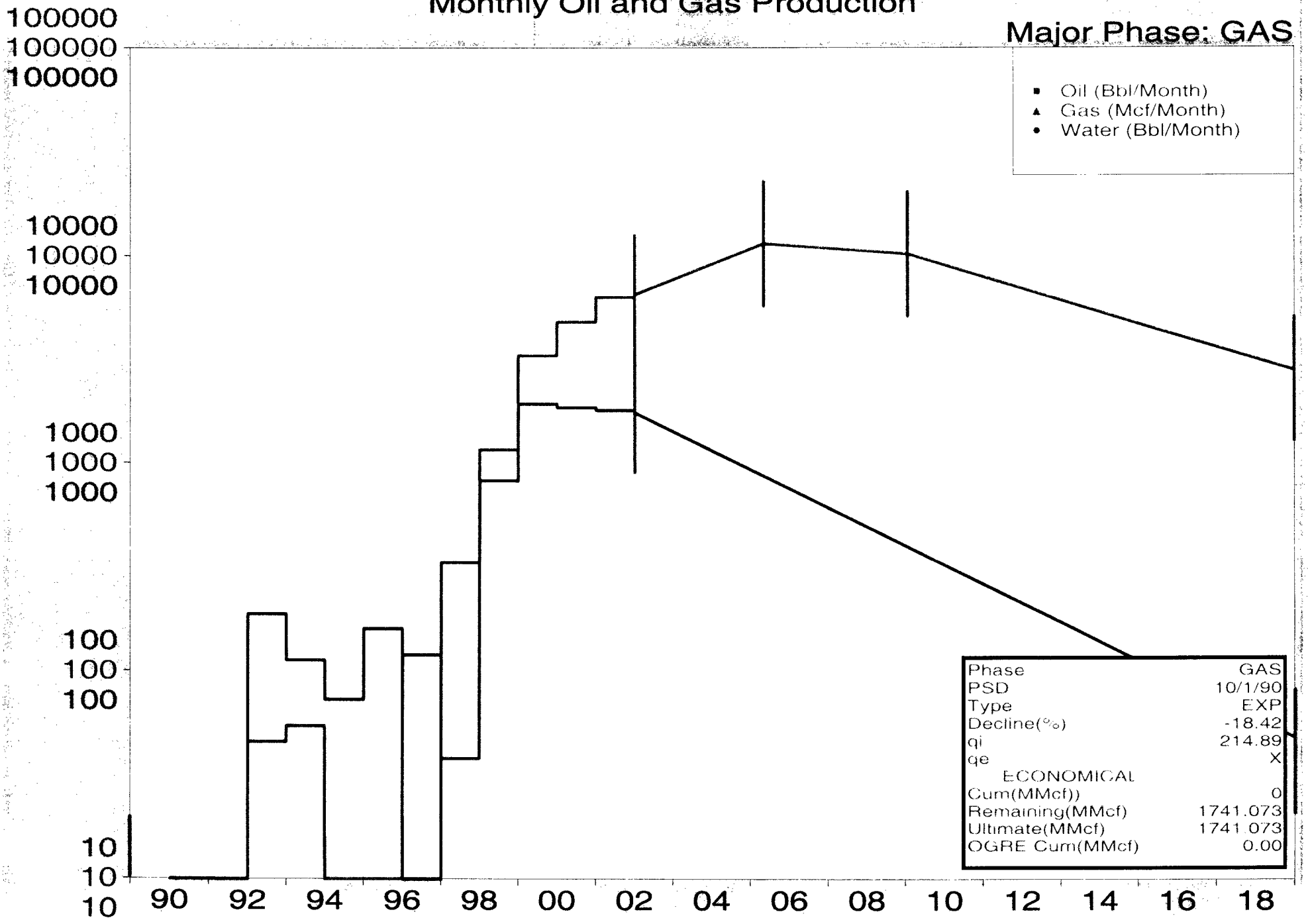
	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-18.420	214.890	X	3.340	IYRS	D		
CALC	GAS	EXP	END=	-18.420	214.890	377.969	16.340	YRS	D	543.425	MMCF
411	GAS	EXP		3.000	LAST	X	3.710	IYRS	D		
CALC	GAS	EXP	END=	3.000	377.969	337.582	20.050	YRS	D	1027.391	MMCF
412	GAS	EXP		12.140	LAST	X	30.000	YRS	D		
CALC	GAS	EXP	END=	12.140	337.582	84.517	30.750	YRS	D	1741.073	MMCF
420	WATER	EXP		19.000	57.850	X	30.000	YRS	D		
CALC	WATER	EXP	END=	19.000	57.850	1.374	30.750	YRS	D	185.526	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9872 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 0 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

```
        INV NAME          INV. POINT          (G OR N)      TANG-M$    INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
        --------    --------------------      --------      -------    ---------   ---------   ---------   ---------
  805      INVEST      1991.000     AD            G          223.460     171.410        .000
  806 ! RECAV
  806      INVEST      1999.500     AD            G          150.000     100.690        .000

  853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

  855 NOLOSS = ON
```

ROSA UNIT #240
31N 6W 1J

Monthly Oil and Gas Production



ROSA UNIT #241
PROPNUM 81350-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/20/03
TIME: 14:35:13
FILE: FTC_COM
PROP: 40
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF JULY 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	12.000	388.610	-400.610	-385.051
12-92	.000	.538	.000	.471	.00	1.77	.832	.083	14.186	.000	-13.437	-396.571
12-93	.000	13.682	.000	11.972	.00	1.52	18.239	1.808	80.858	.000	-64.427	-447.715
12-94	.000	14.734	.000	12.892	.00	1.10	14.219	1.409	57.805	.000	-44.995	-480.788
12-95	.000	.098	.000	.086	.00	1.30	.112	.011	.836	.000	-.735	-481.288
12-96	.000	.059	.000	.052	.00	1.55	.081	.008	10.421	.000	-10.348	-487.809
12-97	.000	6.640	.000	5.810	.00	2.17	12.598	1.249	2.423	.000	8.926	-482.601
12-98	.000	6.574	.000	5.752	.00	1.74	10.000	.991	71.789	.000	-62.780	-516.519
12-99	.000	53.703	.000	46.990	.00	1.93	90.474	8.966	139.619	.000	-58.111	-545.589
12-00	.000	57.559	.000	50.364	.00	3.30	166.168	16.467	160.856	211.730	-222.885	-648.828
12-01	.000	89.054	.000	77.922	.00	3.27	254.906	25.262	188.168	.000	41.476	-631.040
12-02	.000	96.786	.000	84.688	.00	3.27	277.040	27.455	176.179	.000	73.406	-601.889
12-03	.000	110.440	.000	96.635	.00	3.27	316.122	31.328	172.791	.000	112.003	-560.706
12-04	.000	127.868	.000	111.885	.00	3.27	366.010	36.272	158.319	.000	171.419	-502.345
12-05	.000	144.518	.000	126.453	.00	3.27	413.666	40.994	148.218	.000	224.454	-431.588
12-06	.000	144.234	.000	126.205	.00	3.27	412.855	40.914	135.574	.000	236.367	-362.595
12-07	.000	141.349	.000	123.680	.00	3.27	404.594	40.095	124.786	.000	239.713	-297.808
12-08	.000	138.522	.000	121.207	.00	3.27	396.505	39.293	116.201	.000	241.011	-237.495
12-09	.000	135.745	.000	118.777	.00	3.27	388.555	38.506	109.319	.000	240.730	-181.715
12-10	.000	125.744	.000	110.026	.00	3.27	359.928	35.669	101.129	.000	223.130	-133.843
12-11	.000	110.654	.000	96.822	.00	3.27	316.734	31.388	92.104	.000	193.242	-95.454
12-12	.000	97.376	.000	85.204	.00	3.27	278.728	27.622	84.531	.000	166.575	-64.814
12-13	.000	85.691	.000	74.980	.00	3.27	245.282	24.307	78.154	.000	142.821	-40.489
12-14	.000	75.407	.000	65.981	.00	3.27	215.844	21.390	72.756	.000	121.698	-21.297
12-15	.000	66.359	.000	58.064	.00	3.27	189.945	18.824	68.184	.000	102.937	-6.266
12-16	.000	58.396	.000	51.097	.00	3.27	167.154	16.565	64.293	.000	86.296	5.401
12-17	.000	51.388	.000	44.965	.00	3.27	147.094	14.577	60.968	.000	71.549	14.358
12-18	.000	45.222	.000	39.569	.00	3.27	129.442	12.828	58.127	.000	58.487	21.137
12-19	.000	39.795	.000	34.821	.00	3.27	113.910	11.289	55.687	.000	46.934	26.174
12-20	.000	20.970	.000	18.349	.00	3.27	60.025	5.948	31.495	.000	22.582	28.454
S TOT	.000	2059.105	.000	1801.719	.00	3.20	5767.062	571.518	2647.776	600.340	1947.428	28.454
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	28.454
TOTAL	.000	2059.105	.000	1801.719	.00	3.20	5767.062	571.518	2647.776	600.340	1947.428	28.454
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				5767.062				
ULT.	.000	2059.105		TOTAL REVENUES (M$)				5767.062				

						---------PRESENT WORTH PROFILE---------		
						DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)	8.37	PROJECT LIFE (YEARS)	29.583			.0	1947.428	30.0	-401.932
BTAX PAYOUT	01/16/2007	DISCOUNT RATE (PCT)	8.000			2.0	1133.404	35.0	-394.268
BTAX PAYOUT (DISC)	07/14/2016	GROSS OIL WELLS	.000			5.0	413.142	40.0	-384.248
BTAX NET INCOME/INVEST	4.24	GROSS GAS WELLS	1.000			8.0	28.454	45.0	-373.839
BTAX NET INCOME/INVEST (DISC)	1.06	GROSS WELLS	2.000			10.0	-123.857	50.0	-363.806
						12.0	-225.244	60.0	-345.746
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000			15.0	-317.139	70.0	-330.362
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000			18.0	-365.841	80.0	-317.181
PRODUCTION START DATE	8/01/90	INITIAL NET GAS FRACTION	.875000			20.0	-384.047	90.0	-305.726
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000			25.0	-402.445	100.0	-295.628
WATER GROSS PROD. (MU)	382.822	WATER NET PRODUCTION (MU)	334.975			WATER NET REVENUES (M$)		.000	

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101 ROSA UNIT #241
102 PROPNUM 81350-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 90 12 07 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	8/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	26.	.000	.000
320	3.	538.000	796.000
336	3.	576.000	2301.000
337	3.	4061.000	6928.000
338	3.	4452.000	8374.000
339	3.	4593.000	7951.000
340	3.	5908.000	7120.000
341	3.	6398.000	6740.000
342	3.	2428.000	2320.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	93.000	.000
346	3.	5.000	320.000
347	3.	.000	.000
348	3.	59.000	640.000
349	3.	.000	640.000
350	3.	.000	.000
351	3.	.000	2880.000
352	3.	6560.000	3.000
353	3.	80.000	1.000
354	3.	.000	.000
355	3.	.000	.000
356	3.	.000	.000
357	3.	.000	.000
358	3.	1587.000	7440.000
359	3.	4987.000	4480.000
360	3.	6817.000	5880.000
361	3.	18939.000	10240.000
362	3.	16839.000	9200.000
363	3.	11108.000	6880.000
364	3.	7553.000	7840.000
365	3.	9643.000	6160.000
366	3.	19026.000	15090.000
367	3.	21337.000	11044.000
368	3.	20500.000	12080.000
369	3.	20922.000	11520.000
370	3.	22822.000	11200.000
371	3.	24810.000	11680.000
372	3.	24530.000	10080.000
373	3.	24536.000	9840.000
374	3.	24116.000	10400.000
375	3.	23604.000	10240.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-15.780	280.950	X	2.470	IYRS	D		
CALC	GAS	EXP	END=	-15.780	280.950	403.463	15.470	YRS	D	644.619	MMCF
411	GAS	EXP		2.000	LAST	X	4.500	IYRS	D		
CALC	GAS	EXP	END=	2.000	403.463	368.401	19.970	YRS	D	1278.077	MMCF
412	GAS	EXP		12.000	LAST	X	30.000	YRS	D		
CALC	GAS	EXP	END=	12.000	368.401	94.863	30.583	YRS	D	2059.105	MMCF
420	WATER	EXP		22.360	115.420	X	30.000	YRS	D		
CALC	WATER	EXP	END=	22.360	115.420	1.348	30.583	YRS	D	382.822	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9921 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 0 UNTIL 1998.0 AD THEN 3300 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
```

```
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.000	AD	G	206.310	182.300	.000		
806	! RECAV								
806	INVEST	2000.500	AD	G	143.200	68.530	.000		

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   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON
```
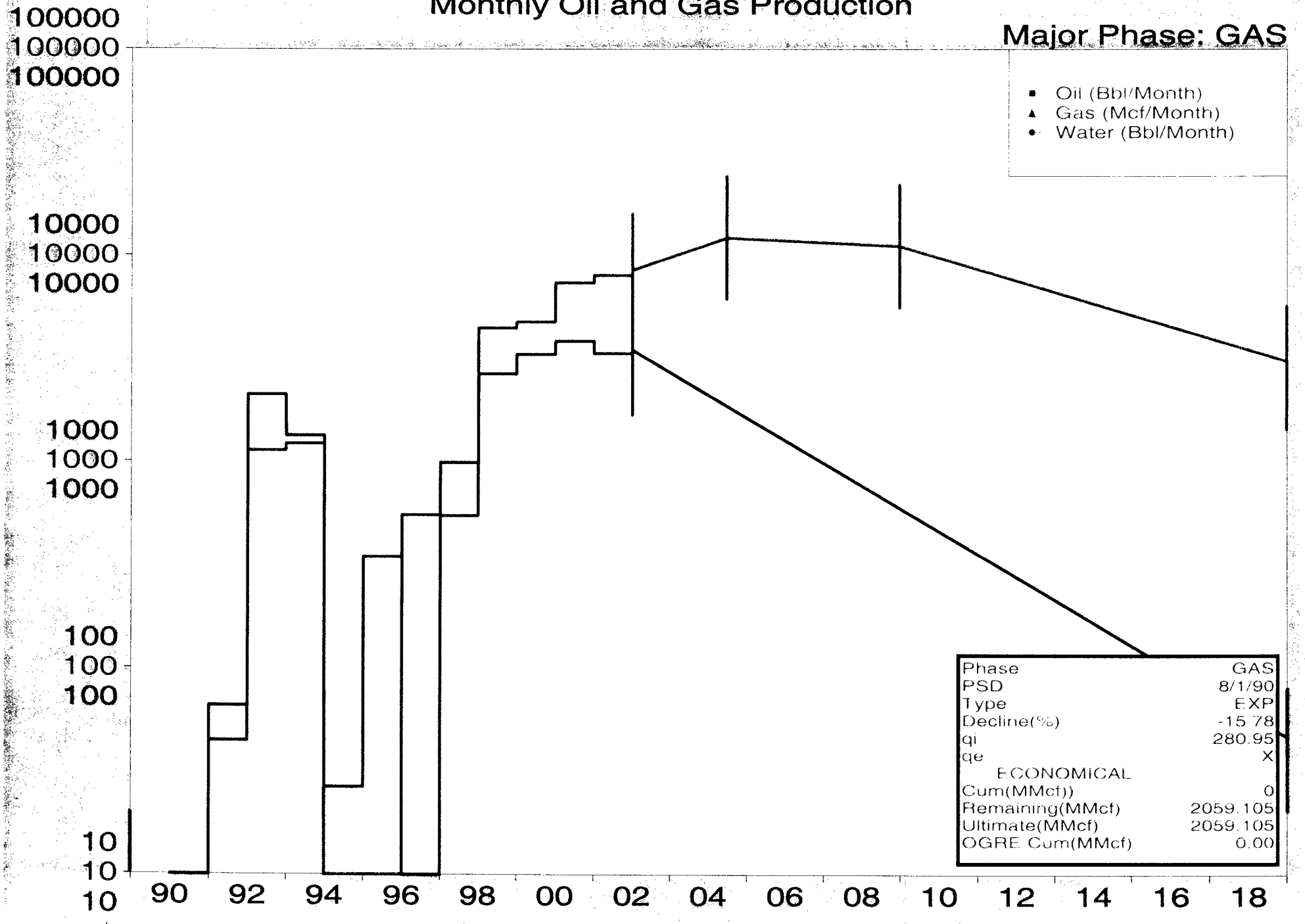

ROSA UNIT #241
31N 5W 6I

Monthly Oil and Gas Production



ROSA UNIT #242
PROPNUM 81360-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
SAN JUAN COUNTY ,NM

DATE: 08/15/03
TIME: 08:54:23
FILE: FTC_COM
PROP: 41
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.48	.000	.000	8.760	244.857	-253.617	-246.618
12-92	.000	.000	.000	.000	.00	1.70	.000	.000	8.760	.000	-8.760	-254.274
12-93	.000	97.102	.000	62.024	.00	1.46	90.807	8.999	69.492	.000	12.316	-244.307
12-94	.000	55.240	.000	35.285	.00	1.06	37.398	3.706	69.930	.000	-36.238	-271.460
12-95	.000	6.937	.000	4.431	.00	1.25	5.532	.548	65.401	.000	-60.417	-313.378
12-96	.000	33.817	.000	21.601	.00	1.49	32.207	3.192	78.137	.000	-49.122	-344.935
12-97	.000	73.826	.000	47.156	.00	2.08	98.265	9.738	70.034	.000	18.493	-333.935
12-98	.000	180.231	.000	115.123	.00	1.67	192.330	19.060	85.476	.000	87.794	-285.581
12-99	.000	239.149	.000	152.756	.00	1.85	282.643	28.010	109.159	157.680	-12.206	-292.427
12-00	.000	306.877	.000	196.018	.00	3.17	621.502	61.591	120.552	.000	439.359	-84.965
12-01	.000	372.959	.000	238.228	.00	3.14	748.916	74.217	133.250	.000	541.449	151.764
12-02	.000	480.181	.000	306.716	.00	3.14	964.221	95.554	155.433	.000	713.234	440.501
12-03	.000	478.030	.000	305.342	.00	3.14	959.902	95.126	154.693	.000	710.083	706.669
12-04	.000	459.243	.000	293.341	.00	3.14	922.174	91.388	149.496	.000	681.290	943.128
12-05	.000	441.194	.000	281.813	.00	3.14	885.934	87.796	144.563	.000	653.575	1153.165
12-06	.000	419.666	.000	268.062	.00	3.14	842.705	83.512	138.808	.000	620.385	1337.767
12-07	.000	356.059	.000	227.433	.00	3.14	714.980	70.854	122.374	.000	521.752	1481.520
12-08	.000	292.111	.000	186.586	.00	3.14	586.569	58.129	105.891	.000	422.549	1589.317
12-09	.000	239.648	.000	153.075	.00	3.14	481.221	47.689	92.372	.000	341.160	1669.904
12-10	.000	196.607	.000	125.583	.00	3.14	394.794	39.124	81.284	.000	274.386	1729.917
12-11	.000	161.297	.000	103.028	.00	3.14	323.888	32.097	72.186	.000	219.605	1774.390
12-12	.000	132.327	.000	84.524	.00	3.14	265.718	26.333	64.722	.000	174.663	1807.142
12-13	.000	108.562	.000	69.344	.00	3.14	217.996	21.604	58.604	.000	137.788	1831.065
12-14	.000	89.064	.000	56.890	.00	3.14	178.845	17.723	53.582	.000	107.540	1848.353
12-15	.000	73.068	.000	46.672	.00	3.14	146.722	14.540	49.463	.000	82.719	1860.666
12-16	.000	59.945	.000	38.290	.00	3.14	120.372	11.928	46.084	.000	62.360	1869.261
12-17	.000	49.179	.000	31.413	.00	3.14	98.753	9.787	43.313	.000	45.653	1875.087
12-18	.000	40.346	.000	25.771	.00	3.14	81.016	8.028	41.038	.000	31.950	1878.862
12-19	.000	33.101	.000	21.143	.00	3.14	66.467	6.587	39.173	.000	20.707	1881.128
12-20	.000	27.155	.000	17.345	.00	3.14	54.527	5.403	37.644	.000	11.480	1882.291
12-21	.000	22.278	.000	14.230	.00	3.14	44.735	4.433	36.389	.000	3.913	1882.658
S TOT	.000	5525.199	.000	3529.223	.00	2.96	10461.139	1036.696	2506.063	402.537	6515.843	1882.658
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	1882.658
TOTAL	.000	5525.199	.000	3529.223	.00	2.96	10461.139	1036.696	2506.063	402.537	6515.843	1882.658
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			10461.139					
ULT.	.000	5525.199		TOTAL REVENUES (M$)			10461.139					

BTAX RATE OF RETURN (PCT)	26.59	PROJECT LIFE (YEARS)	31.000		
BTAX PAYOUT	09/08/2000	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	05/10/2001	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	17.19	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	6.89	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/90	INITIAL NET GAS FRACTION	.638750		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750		
WATER GROSS PROD. (MU)	147.626	WATER NET PRODUCTION (MU)	94.295	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	6515.843	30.0	-75.982
2.0	4738.136	35.0	-138.189
5.0	2975.001	40.0	-173.367
8.0	1882.658	45.0	-193.235
10.0	1387.054	50.0	-204.218
12.0	1017.013	60.0	-212.523
15.0	625.150	70.0	-212.707
18.0	364.268	80.0	-209.938
20.0	239.299	90.0	-206.176
25.0	35.367	100.0	-202.193

CASE NAME: ROSA UNIT #242 -TEST -1PDP-RLG-2482.01 -BASIN

101 ROSA UNIT #242
102 PROPNUM 81360-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 SAN JUAN COUNTY ,NM

117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATFAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

305	MAN	GAS	WATER
310	FACT	1.000	1.000
320	27.	.000	.000
325	3.	26047.000	113.000
326	3.	30508.000	4915.000
327	3.	25718.000	8633.000
328	3.	14829.000	6050.000
329	3.	17705.000	4691.000
330	3.	20401.000	6679.000
331	3.	13981.000	7522.000
332	3.	3153.000	6908.000
333	3.	3365.000	8283.000
334	3.	1255.000	8034.000
335	3.	424.000	2960.000
336	3.	1893.000	3590.000
337	3.	4010.000	6615.000
338	3.	7944.000	6915.000
339	3.	8317.000	4800.000
340	3.	13546.000	7760.000
341	3.	14588.000	5040.000
342	3.	18382.000	4040.000
343	3.	19654.000	3300.000
344	3.	21202.000	3680.000
345	3.	35571.000	2040.000
346	3.	39783.000	3135.000
347	3.	44804.000	1360.000
348	3.	60073.000	3120.000
349	3.	72941.000	2320.000
350	3.	52159.000	2480.000
351	3.	45607.000	2400.000
352	3.	68442.000	2400.000
353	3.	84157.000	1920.000
354	3.	72721.000	1540.000
355	3.	80462.000	1320.000
356	3.	69537.000	1600.000
357	3.	75879.000	1240.000
358	3.	85873.000	1230.000
359	3.	102089.000	835.000
360	3.	109118.000	800.000
361	3.	108617.000	480.000
362	3.	96539.000	400.000
363	3.	139618.000	240.000
364	3.	135407.000	160.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		3.930	1336.100	X	3.640	IYRS	D		
CALC	GAS	EXP	END=	3.930	1336.100	1154.672	16.640	YRS	D	3498.008	MMCF
411	GAS	EXP		17.960	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	17.960	1154.672	3.042	46.640	YRS	D	5621.355	MMCF
420	WATER	EXP		18.980	3.570	X	30.000	IYRS	D		
CALC	WATER	EXP	END=	18.980	3.570	.006	43.000	YRS	D	147.728	M-UNITS

600 SERIES LINES:
602 DATA BTU : 0.9534 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
* 644 1.89 UNTIL 1993 AD
* 645 1.63 UNTIL 1994 AD
* 646 1.18 UNTIL 1995 AD
* 647 1.39 UNTIL 1996 AD
* 648 1.66 UNTIL 1997 AD
* 649 2.32 UNTIL 1998 AD
* 650 1.86 UNTIL 1999 AD
* 651 2.06 UNTIL 2000 AD
* 652 3.53 UNTIL 2001 AD
* 653 3.50 UNTIL 2002 AD
* 654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	217.420	118.000	.000		
806	! RECAV								
806	INVEST	1999.400	AD	G	100.000	116.000	.000		

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853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON
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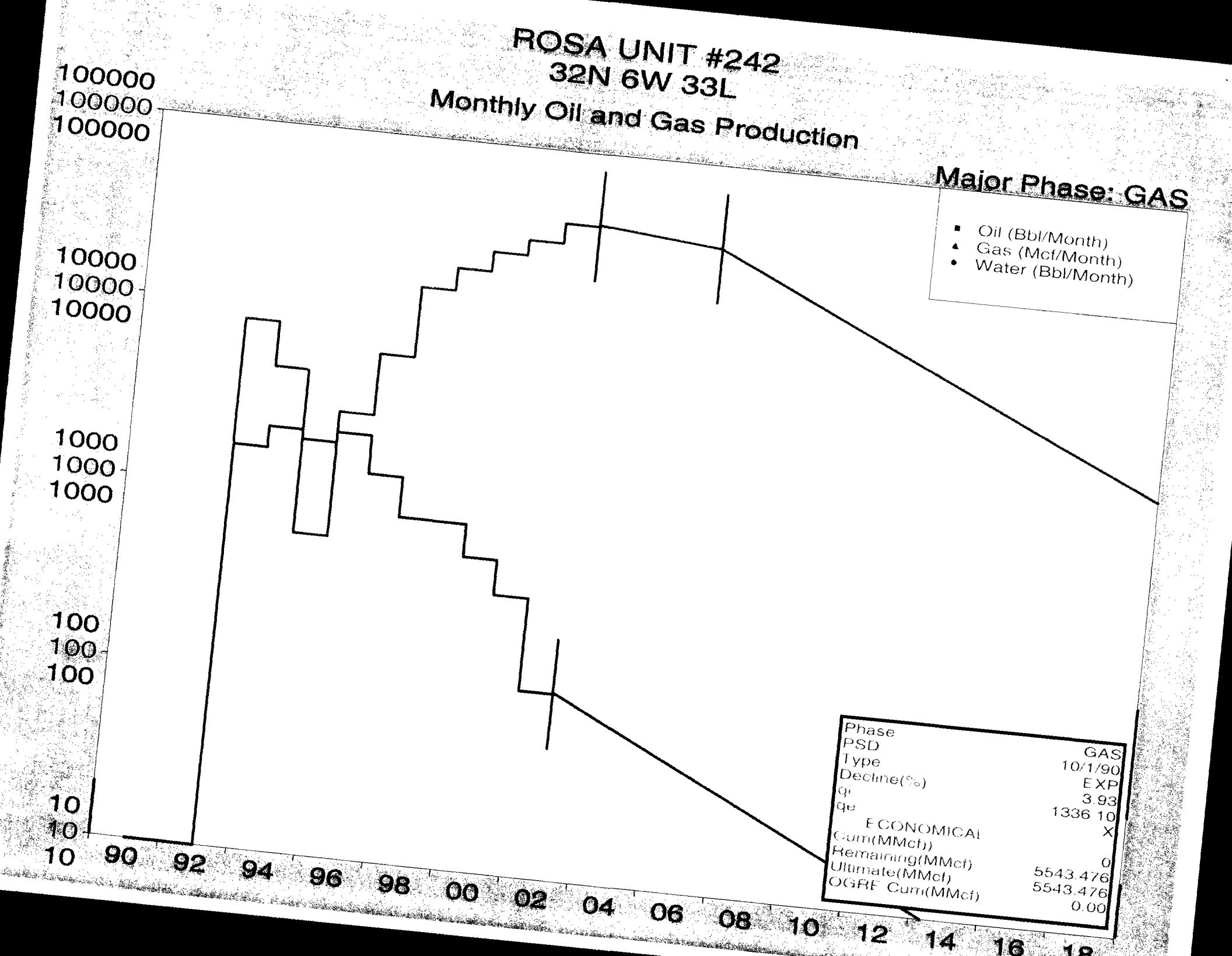
ECONOMIC LIFE	(YRS):	31.000
GROSS GAS	(MMCF):	5525.199
GROSS WATER	(MU):	147.626


ROSA UNIT #242
32N 6W 33L
Monthly Oil and Gas Production
Major Phase: GAS
Oil (Bbl/Month)
Gas (Mcf/Month)
Water (Bbl/Month)
100000
10000
1000
100
10
90
92
94
96
98
00
02
04
06
08
10
12
14
16
18
Phase GAS
PSD 10/1/90
Type EXP
Decline(%) 3.93
qi 1336.10
qe X
ECONOMICAL
Cum(MMcf) 0
Remaining(MMcf) 5543.476
Ultimate(MMcf) 5543.476
OGRE Cum(MMcf) 0.00

ROSA UNIT #243
PROPNUM 81198-I
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/20/03
TIME: 13:51:34
FILE: FTC_COM
PROP: 42
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JULY 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.52	.000	.000	.000	341.440	-341.440	-326.032
12-92	.000	.000	.000	.000	.00	1.74	.000	.000	.000	.000	.000	-326.032
12-93	.000	41.919	.000	36.679	.00	1.50	54.979	5.448	32.066	.000	17.465	-312.168
12-94	.000	.183	.000	.160	.00	1.09	.174	.018	10.165	.000	-10.009	-319.525
12-95	.000	.002	.000	.002	.00	1.28	.003	.000	.401	.000	-.398	-319.796
12-96	.000	.385	.000	.337	.00	1.53	.514	.051	39.338	.000	-38.875	-344.294
12-97	.000	2.363	.000	2.068	.00	2.13	4.412	.437	33.445	.000	-29.470	-361.489
12-98	.000	1.382	.000	1.209	.00	1.71	2.068	.205	28.494	.000	-26.631	-375.877
12-99	.000	52.902	.000	46.289	.00	1.89	87.687	8.690	138.593	212.096	-271.692	-513.852
12-00	.000	66.729	.000	58.388	.00	3.25	189.535	18.783	146.163	.000	24.589	-502.463
12-01	.000	81.802	.000	71.577	.00	3.22	230.374	22.830	147.053	.000	60.491	-476.519
12-02	.000	100.962	.000	88.342	.00	3.22	284.333	28.177	150.505	.000	105.651	-434.564
12-03	.000	112.679	.000	98.594	.00	3.22	317.329	31.448	146.110	.000	139.771	-383.170
12-04	.000	126.006	.000	110.255	.00	3.22	354.860	35.166	138.356	.000	181.338	-321.431
12-05	.000	128.835	.000	112.731	.00	3.22	362.830	35.957	129.305	.000	197.568	-259.149
12-06	.000	123.682	.000	108.222	.00	3.22	348.317	34.519	119.369	.000	194.429	-202.397
12-07	.000	118.735	.000	103.893	.00	3.22	334.384	33.138	111.100	.000	190.146	-151.006
12-08	.000	111.876	.000	97.892	.00	3.22	315.070	31.223	103.421	.000	180.426	-105.855
12-09	.000	97.147	.000	85.004	.00	3.22	273.589	27.113	93.953	.000	152.523	-70.514
12-10	.000	83.546	.000	73.103	.00	3.22	235.285	23.317	85.710	.000	126.258	-43.426
12-11	.000	71.850	.000	62.869	.00	3.22	202.347	20.052	78.817	.000	103.478	-22.870
12-12	.000	61.791	.000	54.067	.00	3.22	174.017	17.246	73.035	.000	83.736	-7.468
12-13	.000	53.140	.000	46.498	.00	3.22	149.656	14.831	68.188	.000	66.637	3.881
12-14	.000	45.701	.000	39.988	.00	3.22	128.703	12.754	64.118	.000	51.831	12.055
12-15	.000	39.302	.000	34.389	.00	3.22	110.682	10.968	60.698	.000	39.016	17.752
12-16	.000	33.800	.000	29.575	.00	3.22	95.188	9.433	57.817	.000	27.938	21.529
12-17	.000	29.068	.000	25.435	.00	3.22	81.864	8.113	55.395	.000	18.356	23.827
12-18	.000	24.999	.000	21.874	.00	3.22	70.402	6.977	53.350	.000	10.075	24.995
12-19	.000	21.499	.000	18.812	.00	3.22	60.547	6.000	51.626	.000	2.921	25.309
S TOT	.000	1632.285	.000	1428.252	.00	3.13	4469.149	442.894	2216.591	553.536	1256.128	25.309
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	25.309
TOTAL	.000	1632.285	.000	1428.252	.00	3.13	4469.149	442.894	2216.591	553.536	1256.128	25.309
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			4469.149	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	1632.285		TOTAL REVENUES (M$)			4469.149	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
								.0	1256.128	30.0	-298.114	
BTAX RATE OF RETURN (PCT)		8.47	PROJECT LIFE (YEARS)				29.000	2.0	751.721	35.0	-294.068	
BTAX PAYOUT		12/16/2005	DISCOUNT RATE (PCT)				8.000	5.0	286.255	40.0	-287.732	
BTAX PAYOUT (DISC)		08/28/2013	GROSS OIL WELLS				.000	8.0	25.309	45.0	-280.779	
BTAX NET INCOME/INVEST		3.27	GROSS GAS WELLS				1.000	10.0	-82.135	50.0	-273.903	
BTAX NET INCOME/INVEST (DISC)		1.06	GROSS WELLS				2.000	12.0	-155.794	60.0	-261.290	
								15.0	-225.019	70.0	-250.381	
INITIAL W.I. FRACTION		1.000000	INITIAL NET OIL FRACTION				.000000	18.0	-263.562	80.0	-240.920	
FINAL W.I. FRACTION		1.000000	FINAL NET OIL FRACTION				.000000	20.0	-278.761	90.0	-232.593	
PRODUCTION START DATE		7/01/90	INITIAL NET GAS FRACTION				.875000	25.0	-296.006	100.0	-225.152	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.875000					
WATER GROSS PROD. (MU)		278.748	WATER NET PRODUCTION (MU)				243.903	WATER NET REVENUES (M$)			.000	

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101 ROSA UNIT #243
102 PROPNUM 81198-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 07 01 1990 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	7/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	30.	.000	.000
320	3.	41510.000	1176.000
325	3.	253.000	2284.000
326	3.	97.000	2010.000
327	3.	59.000	1360.000
328	3.	104.000	1920.000
329	3.	.000	.000
330	3.	62.000	800.000
331	3.	17.000	1320.000
332	3.	2.000	.000
333	3.	.000	.000
334	3.	.000	.000
335	3.	.000	160.000
336	3.	.000	1920.000
337	3.	.000	.000
338	3.	53.000	3760.000
339	3.	332.000	2800.000
340	3.	497.000	2080.000
341	3.	878.000	2160.000
342	3.	598.000	640.000
343	3.	390.000	960.000
344	3.	366.000	1200.000
345	3.	791.000	2480.000
346	3.	225.000	320.000
347	3.	.000	.000
348	3.	9178.000	6400.000
349	3.	15776.000	8750.000
350	3.	15802.000	8800.000
351	3.	12146.000	7120.000
352	3.	13990.000	7640.000
353	3.	17387.000	9090.000
354	3.	16719.000	7550.000
355	3.	18633.000	7840.000
356	3.	20039.000	7920.000
357	3.	19740.000	7600.000
358	3.	19671.000	7840.000
359	3.	22352.000	6960.000
360	3.	24180.000	7120.000
361	3.	25352.000	7280.000
362	3.	25694.000	7440.000
363	3.	25736.000	7120.000
364	3.		

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	-11.900	291.680	X	1.910	IYRS	D		
CALC	GAS	EXP END=	-11.900	291.680	361.553	14.910	YRS	D	575.459	MMCF
411	GAS	EXP	4.000	LAST	X	3.500	IYRS	D		
CALC	GAS	EXP END=	4.000	361.553	313.416	18.410	YRS	D	1005.863	MMCF
412	GAS	EXP	14.000	LAST	X	30.000	YRS	D		
CALC	GAS	EXP END=	14.000	313.416	50.607	30.500	YRS	D	1641.877	MMCF
420	WATER	EXP	19.620	77.850	X	30.000	IYRS	D		
CALC	WATER	EXP END=	19.620	77.850	.111	43.000	YRS	D	281.738	M-UNITS

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600 SERIES LINES:
602 DATA BTU : 0.9761 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1996.0 AD : 1500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
```

```
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	221.560	119.880	.000		
806	! RECAV								
806	INVEST	1999.250	AD	G	107.096	105.000	.000		

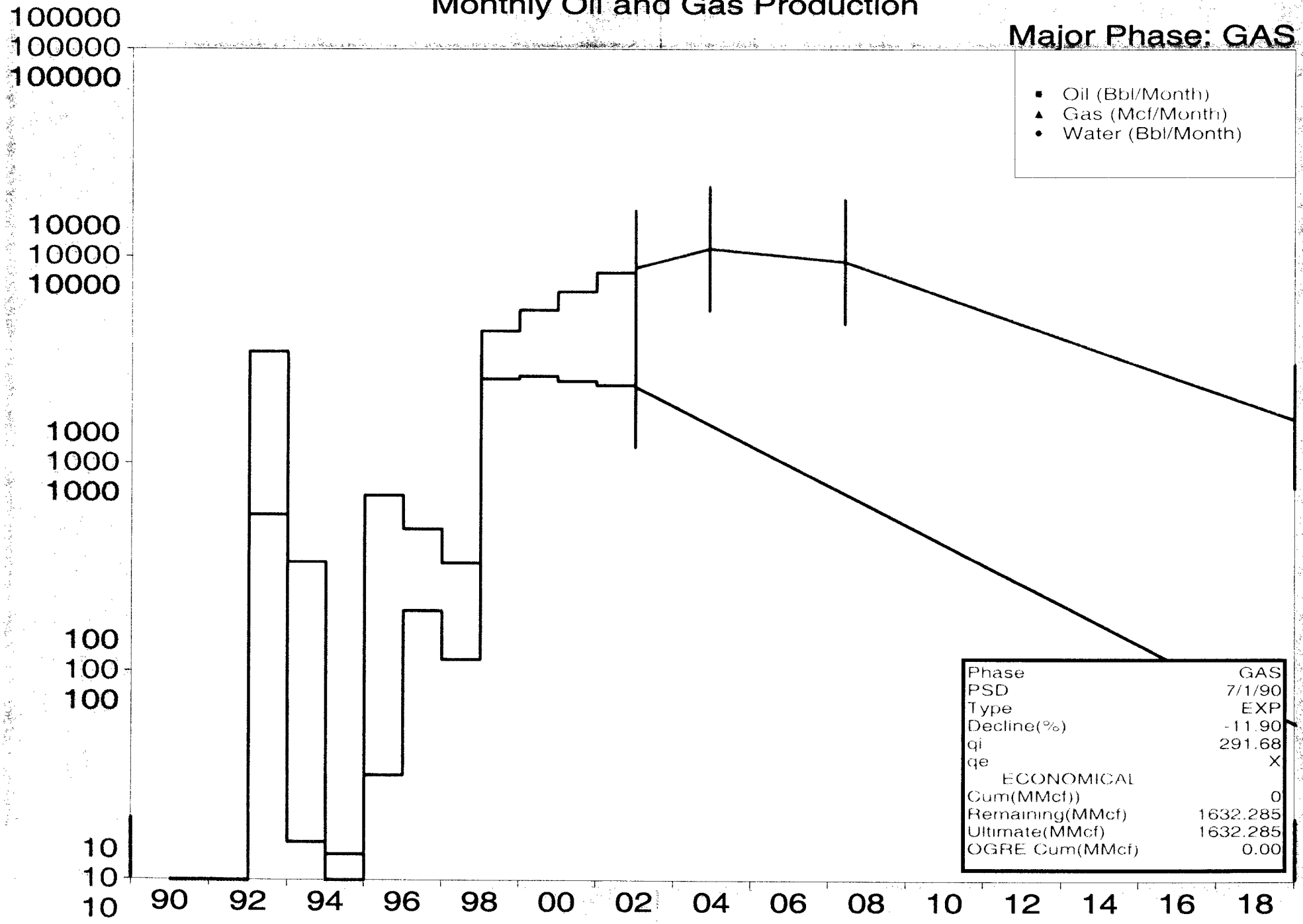
```
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):        29.000
GROSS GAS     (MMCF):      1632.285
GROSS WATER     (MU):       278.748
```

ROSA UNIT #243
32N 6W 36M

Monthly Oil and Gas Production



ROSA UNIT #256
PROPNUM 81361-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/05/03
TIME: 04:56:53
FILE: FTC_COM
PROP: 43
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF JULY 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.53	.000	.000	8.760	278.663	-287.423	-276.255
12-92	.000	.000	.000	.000	.00	1.75	.000	.000	8.760	.000	-8.760	-283.765
12-93	.000	7.104	.000	4.538	.00	1.51	6.838	.677	10.633	.000	-4.472	-287.315
12-94	.000	8.849	.000	5.652	.00	1.09	6.165	.611	11.097	.000	-5.543	-291.389
12-95	.000	.141	.000	.090	.00	1.28	.116	.011	21.941	.000	-21.836	-306.250
12-96	.000	1.366	.000	.873	.00	1.53	1.340	.133	25.324	.000	-24.117	-321.448
12-97	.000	92.617	.000	59.159	.00	2.14	126.871	12.573	68.031	.000	46.267	-294.452
12-98	.000	226.846	.000	144.898	.00	1.72	249.132	24.689	102.489	.000	121.954	-228.564
12-99	.000	132.922	.000	84.904	.00	1.90	161.678	16.022	85.315	143.394	-83.053	-268.204
12-00	.000	529.223	.000	338.041	.00	3.26	1103.059	109.313	202.387	.000	791.359	98.348
12-01	.000	494.594	.000	315.922	.00	3.24	1022.121	101.292	194.541	.000	726.288	409.840
12-02	.000	368.582	.000	235.432	.00	3.24	761.707	75.486	160.232	.000	525.989	618.717
12-03	.000	365.467	.000	233.442	.00	3.24	755.269	74.847	158.169	.000	522.253	810.748
12-04	.000	336.229	.000	214.766	.00	3.24	694.845	68.859	146.457	.000	479.529	974.009
12-05	.000	309.331	.000	197.585	.00	3.24	639.259	63.350	135.877	.000	440.032	1112.725
12-06	.000	262.637	.000	167.759	.00	3.24	542.761	53.787	120.549	.000	368.425	1220.265
12-07	.000	204.857	.000	130.852	.00	3.24	423.353	41.955	102.708	.000	278.690	1295.586
12-08	.000	159.788	.000	102.065	.00	3.24	330.217	32.725	88.543	.000	208.949	1347.875
12-09	.000	124.635	.000	79.611	.00	3.24	257.570	25.525	77.280	.000	154.765	1383.736
12-10	.000	97.215	.000	62.096	.00	3.24	200.903	19.909	68.305	.000	112.689	1407.913
12-11	.000	75.828	.000	48.435	.00	3.24	156.705	15.529	61.144	.000	80.032	1423.812
12-12	.000	59.145	.000	37.779	.00	3.24	122.229	12.113	55.412	.000	54.704	1433.874
12-13	.000	46.134	.000	29.468	.00	3.24	95.340	9.449	50.820	.000	35.071	1439.847
12-14	.000	35.984	.000	22.985	.00	3.24	74.365	7.370	47.126	.000	19.869	1442.980
12-15	.000	28.068	.000	17.928	.00	3.24	58.004	5.748	44.151	.000	8.105	1444.163
S TOT	.000	3967.562	.000	2534.280	.00	3.07	7789.847	771.973	2056.051	422.057	4539.766	1444.163
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	1444.163
TOTAL	.000	3967.562	.000	2534.280	.00	3.07	7789.847	771.973	2056.051	422.057	4539.766	1444.163
CUM.	.000	.000										
ULT.	.000	3967.562										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	7789.847				
TOTAL REVENUES (M$)	7789.847				
BTAX RATE OF RETURN (PCT)	25.75	PROJECT LIFE (YEARS)	25.000		
BTAX PAYOUT	04/30/2000	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	09/24/2000	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	11.76	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	5.27	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	8/01/90	INITIAL NET GAS FRACTION	.638750		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750		
WATER GROSS PROD. (MU)	203.306	WATER NET PRODUCTION (MU)	129.863	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	4539.766	30.0	-84.082
2.0	3397.892	35.0	-141.550
5.0	2214.182	40.0	-175.261
8.0	1444.163	45.0	-194.976
10.0	1081.513	50.0	-206.253
12.0	803.424	60.0	-215.210
15.0	499.917	70.0	-215.591
18.0	290.860	80.0	-212.559
20.0	188.004	90.0	-208.219
25.0	14.769	100.0	-203.472

```
101 ROSA UNIT #256
102 PROPNUM 81361-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 07 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	3500.00	1.000	GAS	8/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	MAN	GAS	WATER
310	FACT	1.000	1.000
320	35.	.000	.000
339	3.	2398.000	2.000
340	3.	4706.000	3.000
341	3.	2744.000	3.000
342	3.	4301.000	3.000
343	3.	1804.000	2.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	63.000	1.000
347	3.	78.000	1.000
348	3.	.000	.000
349	3.	467.000	160.000
350	3.	836.000	960.000
351	3.	.000	.000
352	3.	63.000	560.000
353	3.	887.000	1360.000
354	3.	19673.000	3120.000
355	3.	22649.000	2960.000
356	3.	49408.000	4520.000
357	3.	51587.000	3760.000
358	3.	67200.000	3060.000
359	3.	68891.000	3040.000
360	3.	39168.000	1680.000
361	3.	32895.000	2475.000
362	3.	33276.000	2495.000
363	3.	21006.000	2355.000
364	3.	45745.000	3510.000
365	3.	118900.000	3760.000
366	3.	120500.000	4960.000
367	3.	147593.000	4320.000
368	3.	142230.000	4960.000
369	3.	135503.000	4400.000
370	3.	133312.000	4480.000
371	3.	113512.000	4400.000
372	3.	112267.000	5400.000
373	3.	111075.000	4560.000
374	3.	75584.000	3920.000
375	3.	94019.000	4880.000
376	3.	87904.000	4640.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		8.000	1043.603	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	8.000	1043.603	812.641	16.000	YRS	D	2873.271	MMCF
411	GAS	EXP		22.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	22.000	812.641	.471	46.000	YRS	D	4066.383	MMCF
420	WATER	EXP		12.780	50.762	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	12.780	50.762	.557	46.000	YRS	D	224.726	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9812 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG

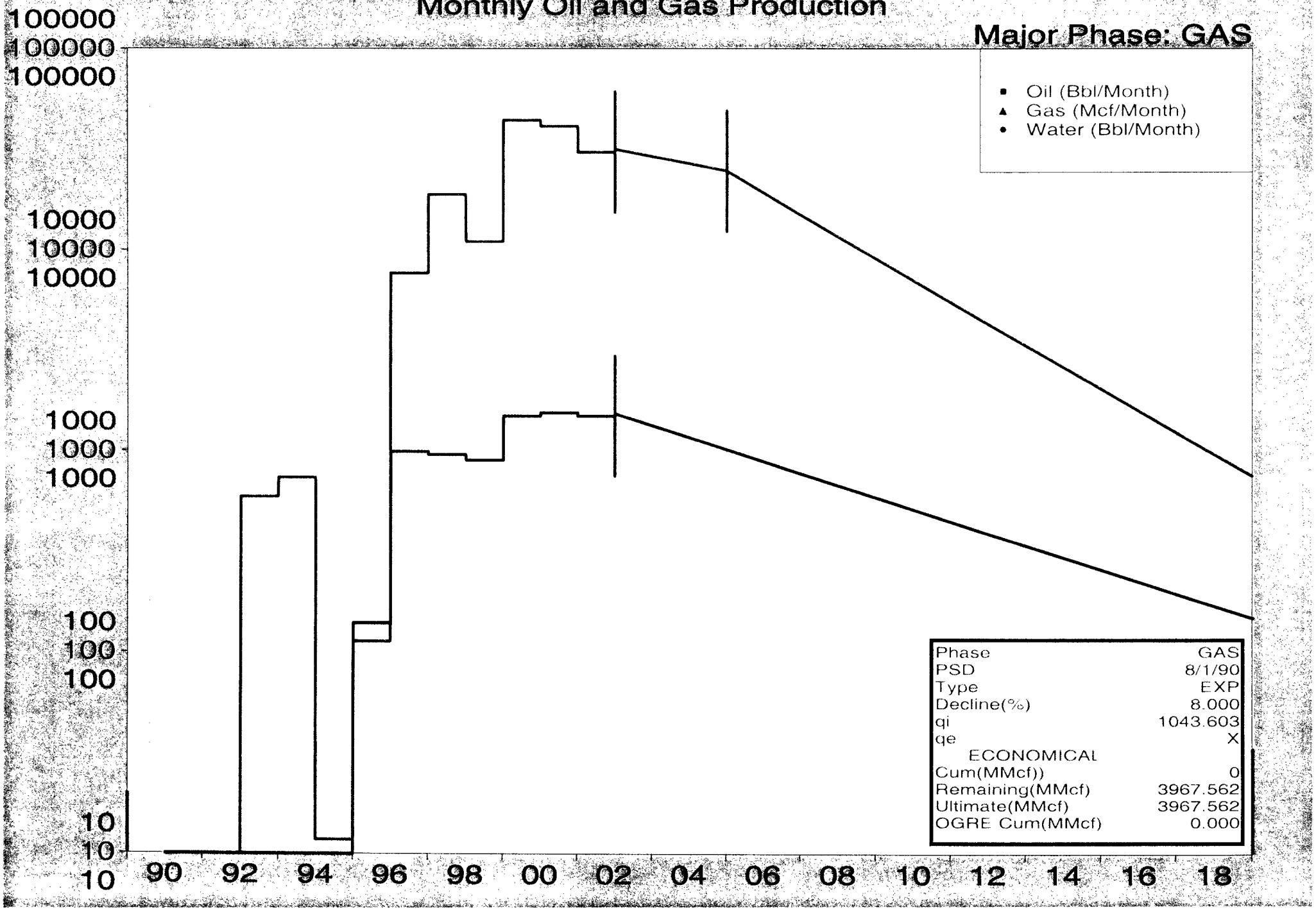
```
805      INVEST      1991.000    AD           G         194.230     187.500        .000
806  ! RECAV
806      INVEST      1999.850    AD           G          68.230     128.200        .000

853 CASE $GATHNET88
*   658 COMPUTE GASC = GASC / WI
*   659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          25.000
GROSS GAS      (MMCF):       3967.562
GROSS WATER      (MU):        203.306
```

ROSA UNIT #256
31N 6W 25G
Monthly Oil and Gas Production



ROSA UNIT #257
PROPNUM 81125-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/05/03
TIME: 05:00:44
FILE: FTC_COM
PROP: 44
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF DECEMBER 1, 1989

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-90	.000	18.244	.000	3.672	.00	1.13	4.147	.411	18.433	.000	-14.697	-14.052
12-91	.000	62.166	.000	12.511	.00	1.48	18.501	1.833	21.789	72.311	-77.432	-85.112
12-92	.000	16.561	.000	3.333	.00	1.69	5.646	.559	16.934	.000	-11.847	-94.823
12-93	.000	8.226	.000	1.655	.00	1.46	2.418	.240	28.071	.000	-25.893	-114.475
12-94	.000	18.564	.000	3.736	.00	1.06	3.951	.392	18.870	.000	-15.311	-125.235
12-95	.000	.000	.000	.000	.00	1.25	.000	.000	6.900	.000	-6.900	-129.725
12-96	.000	19.079	.000	3.840	.00	1.49	5.713	.566	17.031	.000	-11.884	-136.885
12-97	.000	23.466	.000	4.723	.00	2.08	9.820	.973	20.764	.000	-11.917	-143.533
12-98	.000	160.360	.000	32.272	.00	1.67	53.796	5.332	31.116	.000	17.348	-134.572
12-99	.000	135.218	.000	27.213	.00	1.85	50.241	4.979	32.453	20.806	-7.997	-138.208
12-00	.000	235.616	.000	47.418	.00	3.16	150.014	14.866	43.095	43.454	48.599	-117.135
12-01	.000	304.473	.000	61.275	.00	3.14	192.206	19.048	48.579	.000	124.579	-66.051
12-02	.000	297.315	.000	59.835	.00	3.14	187.689	18.600	46.787	.000	122.302	-19.615
12-03	.000	286.571	.000	57.672	.00	3.14	180.904	17.927	44.625	.000	118.352	21.992
12-04	.000	266.895	.000	53.713	.00	3.14	168.485	16.697	41.127	.000	110.661	58.014
12-05	.000	248.130	.000	49.936	.00	3.14	156.638	15.522	38.009	.000	103.107	89.091
12-06	.000	212.878	.000	42.842	.00	3.14	134.385	13.318	33.829	.000	87.238	113.437
12-07	.000	174.559	.000	35.130	.00	3.14	110.195	10.921	29.620	.000	69.654	131.436
12-08	.000	143.140	.000	28.807	.00	3.14	90.361	8.954	26.145	.000	55.262	144.658
12-09	.000	117.374	.000	23.622	.00	3.14	74.097	7.343	23.277	.000	43.477	154.290
12-10	.000	96.246	.000	19.370	.00	3.14	60.759	6.021	20.910	.000	33.828	161.229
12-11	.000	78.923	.000	15.883	.00	3.14	49.821	4.937	18.955	.000	25.929	166.154
12-12	.000	64.716	.000	13.024	.00	3.14	40.853	4.049	17.341	.000	19.463	169.577
12-13	.000	53.067	.000	10.680	.00	3.14	33.501	3.320	16.008	.000	14.173	171.885
12-14	.000	43.515	.000	8.757	.00	3.14	27.469	2.722	14.906	.000	9.841	173.369
12-15	.000	35.683	.000	7.181	.00	3.14	22.525	2.232	13.997	.000	6.296	174.248
12-16	.000	29.259	.000	5.888	.00	3.14	18.469	1.830	13.245	.000	3.394	174.687
12-17	.000	23.993	.000	4.829	.00	3.14	15.147	1.501	12.625	.000	1.021	174.809
S TOT	.000	3174.237	.000	638.817	.00	2.92	1867.751	185.093	715.441	136.571	830.646	174.809
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	174.809
TOTAL	.000	3174.237	.000	638.817	.00	2.92	1867.751	185.093	715.441	136.571	830.646	174.809
CUM.	.000	.000		NET OIL REVENUES (M$)			.000		---------PRESENT WORTH PROFILE---------			
				NET GAS REVENUES (M$)			1867.751		DISC	PW OF NET	DISC	PW OF NET
ULT.	.000	3174.237		TOTAL REVENUES (M$)			1867.751		RATE	BTAX, M$	RATE	BTAX, M$
									----	---------	----	---------
BTAX RATE OF RETURN (PCT)		15.59	PROJECT LIFE (YEARS)				28.000		.0	830.646	30.0	-71.582
BTAX PAYOUT		12/12/2001	DISCOUNT RATE (PCT)				8.000		2.0	577.185	35.0	-74.816
BTAX PAYOUT (DISC)		06/21/2003	GROSS OIL WELLS				.000		5.0	327.325	40.0	-74.978
BTAX NET INCOME/INVEST		7.08	GROSS GAS WELLS				1.000		8.0	174.809	45.0	-73.613
BTAX NET INCOME/INVEST (DISC)		2.82	GROSS WELLS				2.000		10.0	106.939	50.0	-71.527
									12.0	57.279	60.0	-66.682
INITIAL W.I. FRACTION		.230000	INITIAL NET OIL FRACTION				.000000		15.0	6.314	70.0	-61.937
FINAL W.I. FRACTION		.230000	FINAL NET OIL FRACTION				.000000		18.0	-25.959	80.0	-57.661
PRODUCTION START DATE		1/01/90	INITIAL NET GAS FRACTION				.201250		20.0	-40.585	90.0	-53.904
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.201250		25.0	-62.231	100.0	-50.607
WATER GROSS PROD. (MU)		410.534	WATER NET PRODUCTION (MU)				82.622		WATER NET REVENUES (M$)			.000

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101 ROSA UNIT #257
102 PROPNUM 81125-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 89 12 12 01 1989 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	1/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	3.	.000	.000
320	3.	13353.000	4530.000
326	3.	4450.000	13590.000
327	3.	441.000	6595.000
328	3.	8967.000	6636.000
329	3.	18128.000	5402.000
330	3.	20532.000	6735.000
331	3.	14539.000	5654.000
332	3.	8574.000	3848.000
333	3.	4291.000	2483.000
334	3.	3696.000	4049.000
335	3.	.000	11960.000
336	3.	1635.000	13964.000
337	3.	390.000	11813.000
338	3.	3122.000	12031.000
339	3.	3079.000	5065.000
340	3.	7897.000	7770.000
341	3.	7326.000	12480.000
342	3.	3341.000	5180.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	9023.000	4560.000
349	3.	2408.000	1360.000
350	3.	4560.000	4880.000
351	3.	3088.000	4160.000
352	3.	2102.000	5920.000
353	3.	7513.000	4920.000
354	3.	7234.000	4960.000
355	3.	6617.000	5040.000
356	3.	27262.000	5760.000
357	3.	57338.000	4720.000
358	3.	50423.000	4880.000
359	3.	25337.000	4400.000
360	3.	27158.000	3840.000
361	3.	30315.000	5400.000
362	3.	25297.000	4720.000
363	3.	52448.000	6830.000
364	3.	57489.000	6480.000
365	3.	57306.000	5840.000
366	3.	58238.000	5740.000
367	3.	62583.000	7240.000
368	3.	71097.000	6240.000
369	3.	75278.000	6720.000
370	3.	78279.000	6000.000
371	3.	79819.000	6280.000
372	3.	72245.000	5840.000
373	3.	74783.000	5760.000
374	3.	74758.000	6000.000
375	3.	75529.000	5520.000
376	3.		

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	6.866	813.380	X	2.830	IYRS	D		
CALC	GAS	EXP END=	6.866	813.380	665.074	16.830	YRS	D	2060.304	MMCF
411	GAS	EXP	18.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP END=	18.000	665.074	1.727	46.830	YRS	D	3280.362	MMCF
420	WATER	EXP	16.016	62.280	X	33.000	IYRS	D		
CALC	WATER	EXP END=	16.016	62.280	.196	47.000	YRS	D	419.622	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9513 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
```

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*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

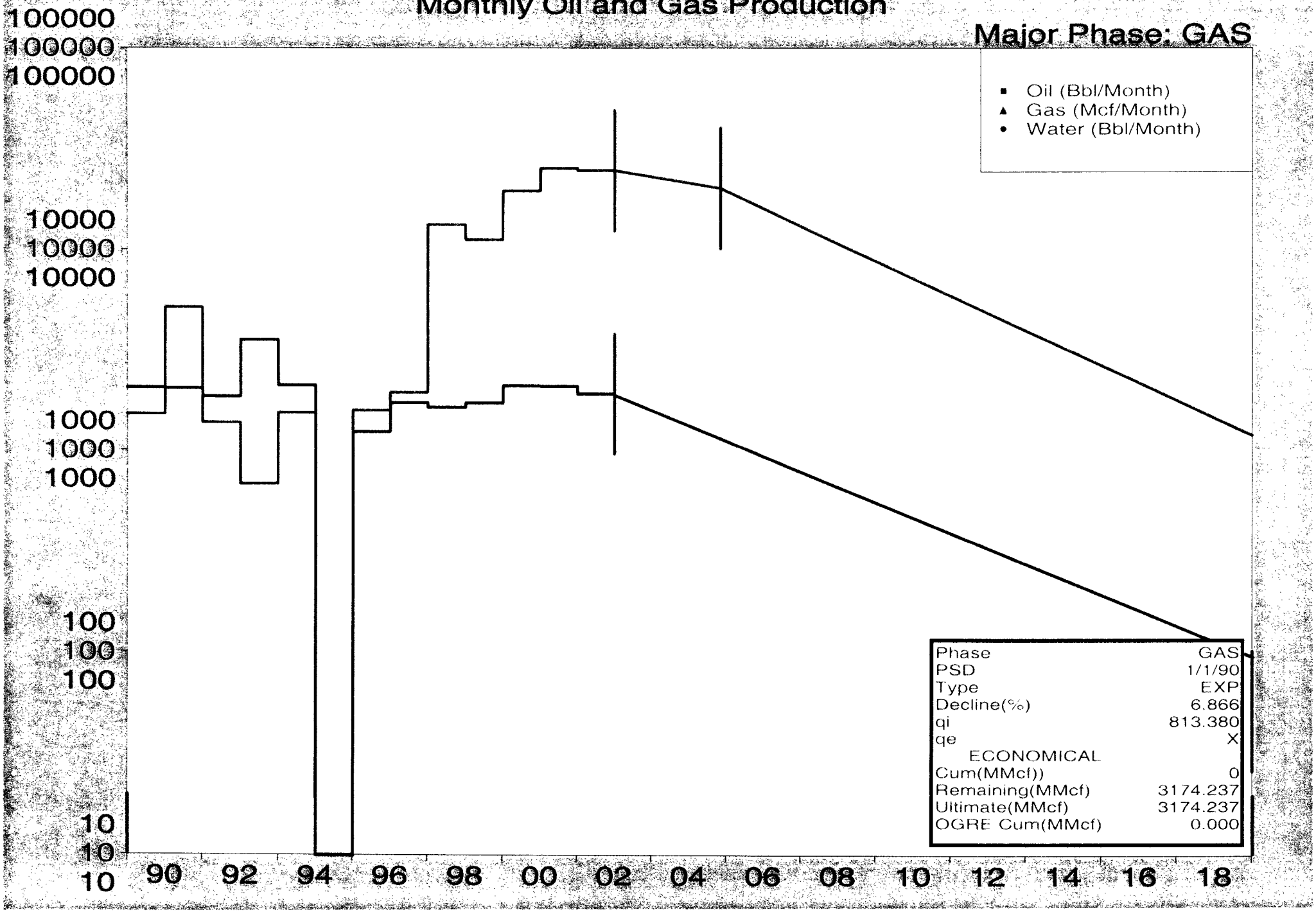
	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.000 AD	G	201.160	113.235	.000		
806	! INSTALL ROD PUMP							
806	INVEST	1999.750 AD	G	68.960	21.500	.000		
807	! RECAV							
807	INVEST	2000.200 AD	G	146.680	42.250	.000		

```
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):         28.000
   GROSS GAS      (MMCF):      3174.237
   GROSS WATER      (MU):        410.534
```

ROSA UNIT #257
31N 5W 27M
Monthly Oil and Gas Production



ROSA UNIT #258
PROPNUM 81224-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/05/03
TIME: 05:03:13
FILE: FTC_COM
PROP: 45
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF JUNE 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	42.520	.000	9.780	.00	1.49	14.529	1.440	22.694	79.985	-89.590	-85.310
12-92	.000	24.167	.000	5.558	.00	1.70	9.458	.937	20.994	.000	-12.473	-95.935
12-93	.000	11.489	.000	2.642	.00	1.47	3.877	.384	25.857	.000	-22.364	-113.575
12-94	.000	11.358	.000	2.612	.00	1.06	2.775	.275	16.289	.000	-13.789	-123.646
12-95	.000	.000	.000	.000	.00	1.25	.000	.000	6.900	.000	-6.900	-128.312
12-96	.000	.281	.000	.065	.00	1.49	.097	.010	9.342	.000	-9.255	-134.107
12-97	.000	28.819	.000	6.628	.00	2.09	13.845	1.372	40.326	.000	-27.853	-150.255
12-98	.000	176.183	.000	40.522	.00	1.67	67.861	6.725	87.000	.000	-25.864	-164.139
12-99	.000	164.760	.000	37.895	.00	1.85	70.286	6.966	42.014	.000	21.306	-153.549
12-00	.000	92.653	.000	21.310	.00	3.18	67.729	6.712	35.000	54.356	-28.339	-166.591
12-01	.000	144.470	.000	33.228	.00	3.15	104.711	10.377	40.252	.000	54.082	-143.544
12-02	.000	99.026	.000	22.776	.00	3.15	71.773	7.113	31.827	.000	32.833	-130.589
12-03	.000	97.218	.000	22.360	.00	3.15	70.463	6.983	30.784	.000	32.696	-118.644
12-04	.000	91.612	.000	21.071	.00	3.15	66.401	6.580	29.056	.000	30.765	-108.237
12-05	.000	86.329	.000	19.856	.00	3.15	62.572	6.200	27.478	.000	28.894	-99.187
12-06	.000	77.482	.000	17.821	.00	3.15	56.159	5.565	25.681	.000	24.913	-91.962
12-07	.000	66.111	.000	15.206	.00	3.15	47.918	4.749	23.750	.000	19.419	-86.747
12-08	.000	56.411	.000	12.975	.00	3.15	40.888	4.052	22.060	.000	14.776	-83.073
12-09	.000	48.132	.000	11.070	.00	3.15	34.885	3.457	20.580	.000	10.848	-80.575
12-10	.000	41.070	.000	9.446	.00	3.15	29.767	2.950	19.284	.000	7.533	-78.969
12-11	.000	35.043	.000	8.060	.00	3.15	25.399	2.517	18.147	.000	4.735	-78.034
12-12	.000	29.901	.000	6.877	.00	3.15	21.671	2.147	17.150	.000	2.374	-77.600
12-13	.000	25.513	.000	5.868	.00	3.15	18.492	1.832	16.275	.000	.385	-77.535
S TOT	.000	1450.548	.000	333.626	.00	2.70	901.556	89.343	628.740	134.341	49.132	-77.535
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-77.535
TOTAL	.000	1450.548	.000	333.626	.00	2.70	901.556	89.343	628.740	134.341	49.132	-77.535
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			901.556					
ULT.	.000	1450.548		TOTAL REVENUES (M$)			901.556					

BTAX RATE OF RETURN (PCT)	1.94	PROJECT LIFE (YEARS)	23.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT	07/24/2007	DISCOUNT RATE (PCT)	8.000	2.0	-1.397	35.0	-97.582
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000	5.0	-49.780	40.0	-93.716
BTAX NET INCOME/INVEST	1.37	GROSS GAS WELLS	1.000	8.0	-77.535	45.0	-90.042
BTAX NET INCOME/INVEST (DISC)	.24	GROSS WELLS	2.000	10.0	-88.876	50.0	-86.631
				12.0	-96.397	60.0	-80.658
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000	15.0	-102.826	70.0	-75.689
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000	18.0	-105.520	80.0	-71.516
PRODUCTION START DATE	7/01/90	INITIAL NET GAS FRACTION	.230000	20.0	-106.004	90.0	-67.964
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.230000	25.0	-104.614	100.0	-64.898
WATER GROSS PROD. (MU)	542.086	WATER NET PRODUCTION (MU)	124.679	WATER	NET REVENUES (M$)		.000

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101 ROSA UNIT #258
102 PROPNUM 81224-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 06 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	7/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.23000000	3.650	9.000	1.0	
224	WATER	.000	.23000000	.000	.000	1.0	

300 SERIES LINES:

	MAN FACT	GAS	WATER
305			
310		1.000	1.000
320	6.	.000	.000
329	3.	8958.000	4438.000
330	3.	10862.000	7946.000
331	3.	9449.000	8262.000
332	3.	13251.000	7216.000
333	3.	3319.000	4.000
334	3.	9931.000	9546.000
335	3.	7345.000	7776.000
336	3.	3572.000	10517.000
337	3.	680.000	10561.000
338	3.	3952.000	9809.000
339	3.	3362.000	8923.000
340	3.	3495.000	9037.000
341	3.	4054.000	6536.000
342	3.	5586.000	11188.000
343	3.	1718.000	3988.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	120.000	.000
351	3.	101.000	3242.000
352	3.	60.000	960.000
353	3.	390.000	10960.000
354	3.	7102.000	18720.000
355	3.	11062.000	13920.000
356	3.	10265.000	9920.000
357	3.	13662.000	8800.000
358	3.	47864.000	8720.000
359	3.	69886.000	86584.000
360	3.	44771.000	7000.000
361	3.	44971.000	6000.000
362	3.	54556.000	8000.000
363	3.	34155.000	7765.000
364	3.	31078.000	8130.000
365	3.	19559.000	6920.000
366	3.	12259.000	7120.000
367	3.	22800.000	6640.000
368	3.	38035.000	8560.000
369	3.	31439.000	7120.000
370	3.	45178.000	7280.000
371	3.	37635.000	7680.000
372	3.	30218.000	8000.000
373	3.	33124.000	1820.000
374	3.	26376.000	1760.000
375	3.	17701.000	7520.000
376	3.	21825.000	11600.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		5.766	274.337	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	5.766	274.337	229.566	16.000	YRS	D	1070.885	MMCF
411	GAS	EXP		14.674	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	14.674	229.566	1.965	46.000	YRS	D	1594.383	MMCF
420	WATER	EXP		9.957	61.118	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	9.957	61.118	1.919	46.000	YRS	D	602.506	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9557 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
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```
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE

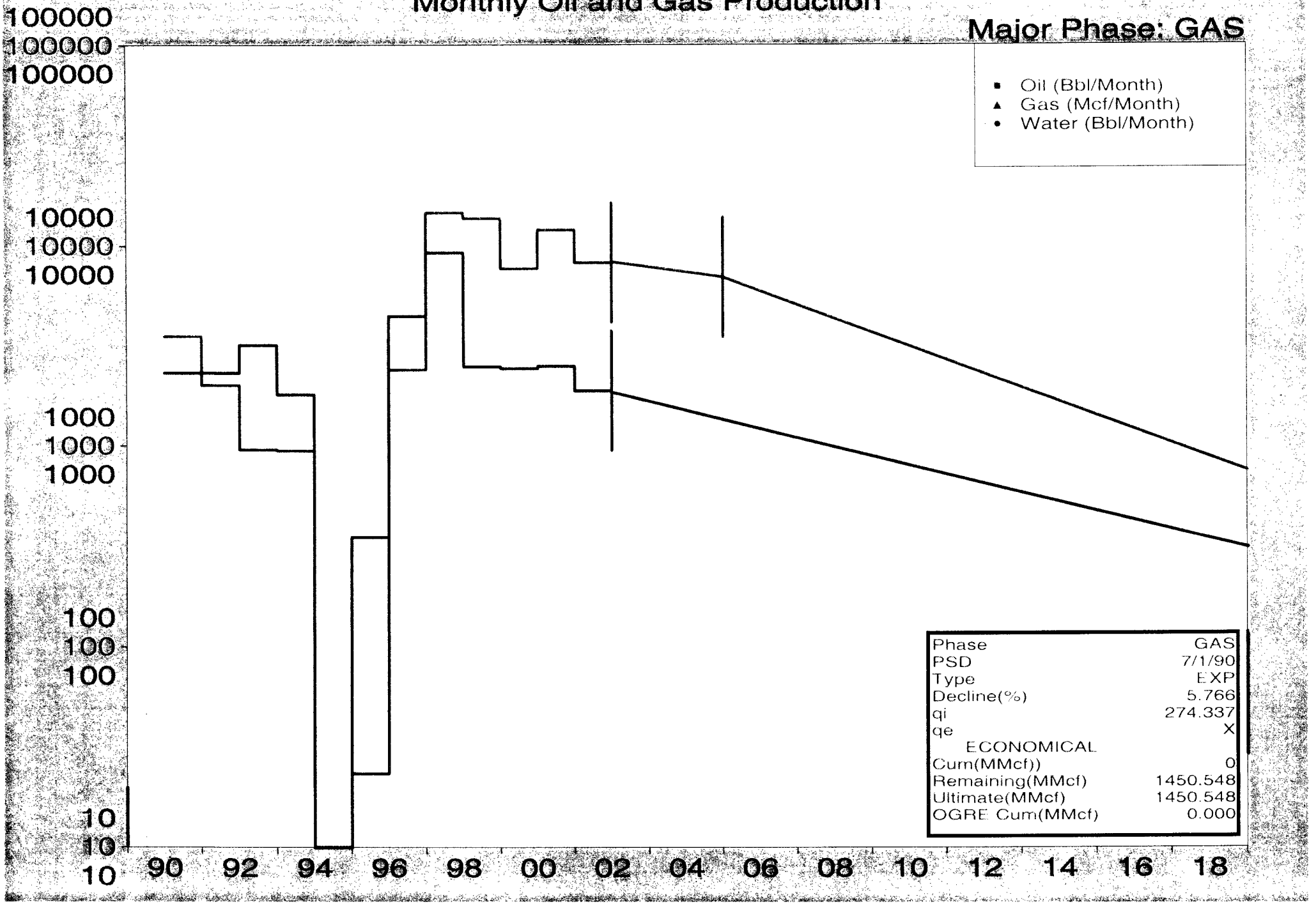
          INV NAME          INV. POINT          (G OR N)      TANG-M$    INTANG-M$    LSEHLD-M$    RISK FRAC    OVHD FLAG
          --------          ----------          --------      -------    ---------    ---------    ---------    ---------
   805      INVEST       1991.000     AD            G         231.560      116.200         .000
   806 ! RECAV
   806      INVEST       2000.500     AD            G         136.000      100.330         .000

   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):          23.000
   GROSS GAS     (MMCF):        1450.548
   GROSS WATER     (MU):         542.086
```

ROSA UNIT #258
31N 5W 22M
Monthly Oil and Gas Production



ROSA UNIT #259
PROPNUM 81191-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/05/03
TIME: 05:06:03
FILE: FTC_COM
PROP: 46
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF DECEMBER 1, 1989

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-90	.000	.000	.000	.000	.00	1.13	.000	.000	2.415	.000	-2.415	-2.309
12-91	.000	.000	.000	.000	.00	1.49	.000	.000	2.415	74.358	-76.773	-72.857
12-92	.000	.783	.000	.158	.00	1.70	.269	.026	4.661	.000	-4.418	-76.478
12-93	.000	3.306	.000	.665	.00	1.47	.976	.097	5.607	.000	-4.728	-80.066
12-94	.000	.505	.000	.102	.00	1.06	.108	.011	2.718	.000	-2.621	-81.908
12-95	.000	.837	.000	.168	.00	1.25	.210	.021	6.107	.000	-5.918	-85.759
12-96	.000	.652	.000	.131	.00	1.49	.196	.020	6.936	.000	-6.760	-89.832
12-97	.000	5.653	.000	1.138	.00	2.09	2.378	.236	9.492	.000	-7.350	-93.932
12-98	.000	43.192	.000	8.692	.00	1.68	14.559	1.442	13.140	.000	-.023	-93.944
12-99	.000	68.729	.000	13.832	.00	1.86	25.660	2.543	17.491	.000	5.626	-91.253
12-00	.000	74.888	.000	15.071	.00	3.18	47.910	4.748	19.052	88.633	-64.523	-119.080
12-01	.000	266.476	.000	53.628	.00	3.15	169.032	16.751	37.383	.000	114.898	-71.966
12-02	.000	318.449	.000	64.088	.00	3.15	202.001	20.018	40.865	.000	141.118	-18.386
12-03	.000	310.078	.000	62.403	.00	3.15	196.690	19.492	39.623	.000	137.575	29.979
12-04	.000	282.089	.000	56.770	.00	3.15	178.935	17.732	36.437	.000	124.766	70.592
12-05	.000	256.629	.000	51.647	.00	3.15	162.788	16.132	33.595	.000	113.061	104.669
12-06	.000	228.560	.000	45.998	.00	3.15	144.983	14.367	30.662	.000	99.954	132.564
12-07	.000	188.682	.000	37.972	.00	3.15	119.685	11.861	26.878	.000	80.946	153.481
12-08	.000	154.719	.000	31.137	.00	3.15	98.142	9.726	23.657	.000	64.759	168.975
12-09	.000	126.870	.000	25.533	.00	3.15	80.478	7.975	21.001	.000	51.502	180.385
12-10	.000	104.033	.000	20.937	.00	3.15	65.992	6.540	18.812	.000	40.640	188.721
12-11	.000	85.308	.000	17.168	.00	3.15	54.112	5.362	17.005	.000	31.745	194.750
12-12	.000	69.952	.000	14.078	.00	3.15	44.373	4.398	15.515	.000	24.460	199.052
12-13	.000	57.360	.000	11.544	.00	3.15	36.386	3.606	14.287	.000	18.493	202.063
12-14	.000	47.036	.000	9.466	.00	3.15	29.836	2.957	13.273	.000	13.606	204.114
12-15	.000	38.569	.000	7.762	.00	3.15	24.465	2.425	12.436	.000	9.604	205.455
12-16	.000	31.627	.000	6.365	.00	3.15	20.062	1.989	11.744	.000	6.329	206.273
12-17	.000	25.934	.000	5.219	.00	3.15	16.450	1.631	11.174	.000	3.645	206.709
12-18	.000	21.266	.000	4.280	.00	3.15	13.490	1.337	10.703	.000	1.450	206.870
S TOT	.000	2812.182	.000	565.952	.00	3.09	1750.166	173.443	505.084	162.990	908.649	206.870
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	206.870
TOTAL	.000	2812.182	.000	565.952	.00	3.09	1750.166	173.443	505.084	162.990	908.649	206.870
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				1750.166				
ULT.	.000	2812.182		TOTAL REVENUES (M$)				1750.166				

BTAX RATE OF RETURN (PCT)	17.93	PROJECT LIFE (YEARS)	29.000	.0	908.648	30.0	-48.753
BTAX PAYOUT	05/21/2002	DISCOUNT RATE (PCT)	8.000	2.0	634.268	35.0	-53.043
BTAX PAYOUT (DISC)	05/18/2003	GROSS OIL WELLS	.000	5.0	367.407	40.0	-54.298
BTAX NET INCOME/INVEST	6.57	GROSS GAS WELLS	1.000	8.0	206.870	45.0	-54.020
BTAX NET INCOME/INVEST (DISC)	2.93	GROSS WELLS	2.000	10.0	136.176	50.0	-52.976
				12.0	84.776	60.0	-50.026
INITIAL W.I. FRACTION	.201250	INITIAL NET OIL FRACTION	.000000	15.0	32.324	70.0	-46.886
FINAL W.I. FRACTION	.201250	FINAL NET OIL FRACTION	.000000	18.0	-.800	80.0	-43.945
PRODUCTION START DATE	1/01/90	INITIAL NET GAS FRACTION	.201250	20.0	-15.848	90.0	-41.299
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.201250	25.0	-38.425	100.0	-38.928
WATER GROSS PROD. (MU)	145.651	WATER NET PRODUCTION (MU)	29.314	WATER	NET REVENUES (M$)		.000

OGRE(R) V2.2 BTAX — D A T A R E P O R T — DATE: 08/05/03
FILE NAME: FTC_COM (46) — TIME: 05:06:03
CASE NAME: ROSA UNIT #259 -TEST -1PDP-RLG-1472.01 -BASIN

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101 ROSA UNIT #259
102 PROPNUM 81191-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 89 12 12 01 1989 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.20125000	.00	3500.00	1.000	GAS	1/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	27.	.000	.000
320	3.	566.000	1558.000
334	3.	178.000	1807.000
335	3.	39.000	973.000
336	3.	2442.000	5021.000
337	3.	87.000	271.000
338	3.	434.000	457.000
339	3.	343.000	66.000
340	3.	43.000	.000
341	3.	.000	320.000
342	3.	.000	.000
343	3.	462.000	200.000
344	3.	735.000	2.000
345	3.	102.000	2.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	.000	80.000
349	3.	132.000	240.000
350	3.	130.000	1120.000
351	3.	390.000	240.000
352	3.	518.000	1600.000
353	3.	608.000	1400.000
354	3.	1535.000	1360.000
355	3.	2992.000	1600.000
356	3.	7058.000	1840.000
357	3.	12584.000	2000.000
358	3.	12920.000	2240.000
359	3.	10630.000	1120.000
360	3.	30106.000	1600.000
361	3.	21720.000	1680.000
362	3.	10239.000	1920.000
363	3.	6664.000	1760.000
364	3.	4108.000	1758.000
365	3.	5932.000	1360.000
366	3.	12522.000	2320.000
367	3.	52326.000	3640.000
368	3.	47729.000	3440.000
369	3.	63542.000	3680.000
370	3.	75102.000	3840.000
371	3.	80103.000	3880.000
372	3.	80523.000	3280.000
373	3.	80381.000	3120.000
374	3.	76249.000	3680.000
375	3.	81296.000	3360.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		9.026	890.342	X	3.348	IYRS	D		
CALC	GAS	EXP	END=	9.026	890.342	648.652	17.348	YRS	D	1716.029	MMCF
411	GAS	EXP		18.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	18.000	648.652	1.684	47.348	YRS	D	2905.962	MMCF
420	WATER	EXP		15.041	36.551	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	15.041	36.551	.169	47.000	YRS	D	151.304	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9559 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA178B
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
```

```
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

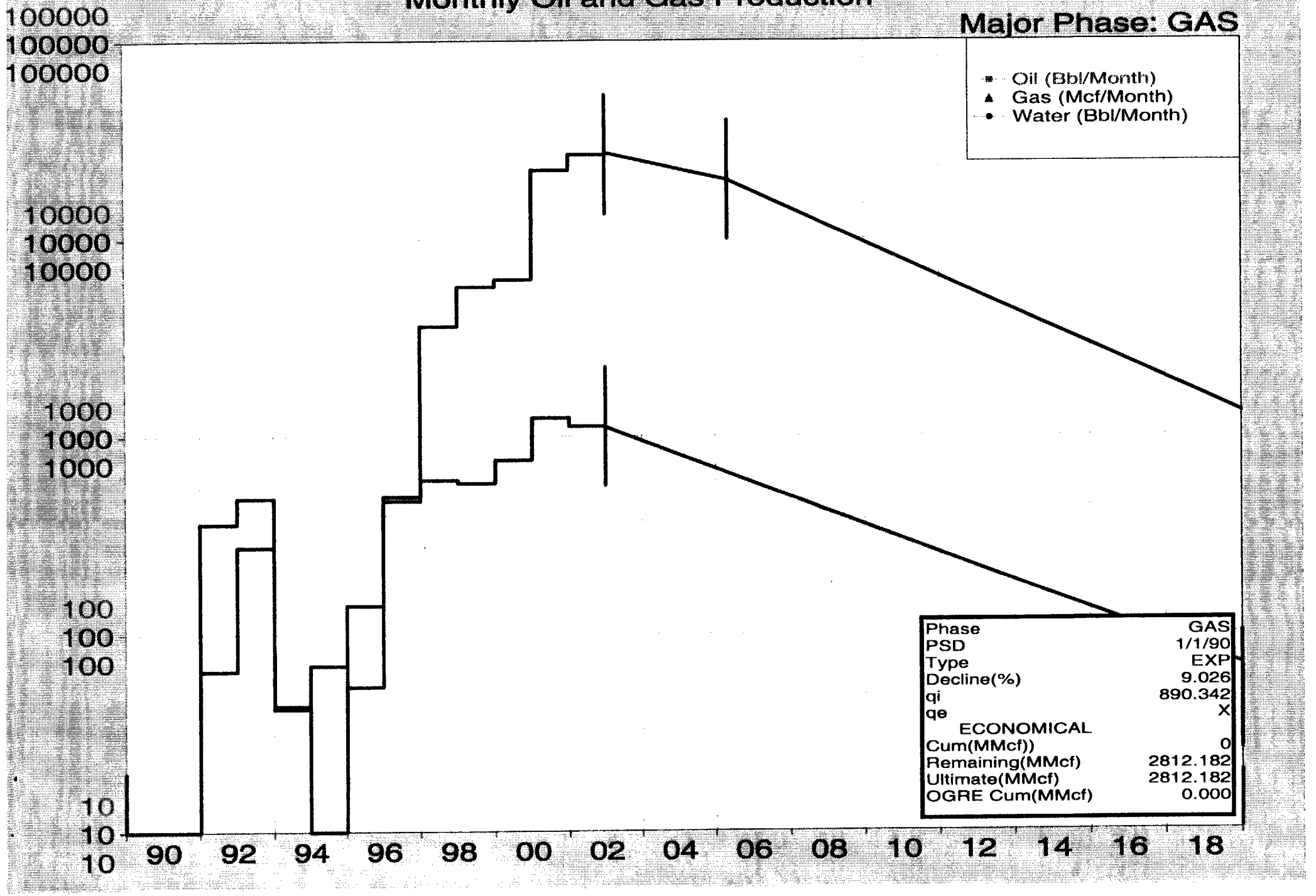
	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.000	AD	G	215.300	154.180	.000		
806	! RECAV								
806	INVEST	2000.750	AD	G	221.200	219.210	.000		

```
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):        29.000
   GROSS GAS     (MMCF):      2812.182
   GROSS WATER     (MU):       145.651
```

ROSA UNIT #259
31N 5W 33N
Monthly Oil and Gas Production



FOSA UNIT #260
PROPNUM 81192-I
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/05/03
TIME: 05:08:14
FILE: FTC_COM
PROP: 47
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF NOVEMBER 1, 1989

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-90	.000	.000	.000	.000	.00	1.11	.000	.000	2.760	.000	-2.760	-2.622
12-91	.000	.000	.000	.000	.00	1.46	.000	.000	2.760	82.984	-85.744	-80.908
12-92	.000	4.272	.000	.860	.00	1.67	1.435	.142	8.339	.000	-7.046	-86.647
12-93	.000	5.697	.000	1.147	.00	1.44	1.651	.164	6.301	.000	-4.814	-90.277
12-94	.000	9.506	.000	1.913	.00	1.04	1.993	.197	4.348	.000	-2.552	-92.059
12-95	.000	.119	.000	.024	.00	1.23	.029	.003	6.910	.000	-6.884	-96.510
12-96	.000	3.582	.000	.721	.00	1.47	1.057	.105	12.209	.000	-11.257	-103.249
12-97	.000	59.747	.000	12.024	.00	2.05	24.627	2.440	19.760	.000	2.427	-101.904
12-98	.000	261.917	.000	52.711	.00	1.64	86.556	8.578	40.379	62.365	-24.766	-115.111
12-99	.000	392.452	.000	78.981	.00	1.82	143.639	14.235	56.114	.000	73.290	-80.281
12-00	.000	414.628	.000	83.444	.00	3.12	260.048	25.770	56.637	.000	177.641	-2.114
12-01	.000	488.690	.000	98.349	.00	3.09	303.893	30.115	61.267	.000	212.511	84.470
12-02	.000	545.161	.000	109.714	.00	3.09	339.010	33.596	63.794	.000	241.620	175.622
12-03	.000	524.259	.000	105.507	.00	3.09	326.011	32.308	61.802	.000	231.901	256.627
12-04	.000	482.806	.000	97.165	.00	3.09	300.235	29.753	56.759	.000	213.723	325.752
12-05	.000	440.788	.000	88.709	.00	3.09	274.106	27.164	51.963	.000	194.979	384.143
12-06	.000	363.486	.000	73.152	.00	3.09	226.036	22.400	44.624	.000	159.012	428.236
12-07	.000	290.789	.000	58.521	.00	3.09	180.827	17.920	37.852	.000	125.055	460.344
12-08	.000	232.631	.000	46.817	.00	3.09	144.662	14.336	32.398	.000	97.928	483.625
12-09	.000	186.104	.000	37.453	.00	3.09	115.728	11.469	28.003	.000	76.256	500.411
12-10	.000	148.884	.000	29.963	.00	3.09	92.584	9.176	24.464	.000	58.944	512.425
12-11	.000	119.107	.000	23.970	.00	3.09	74.066	7.340	21.611	.000	45.115	520.939
12-12	.000	95.286	.000	19.176	.00	3.09	59.253	5.872	19.310	.000	34.071	526.893
12-13	.000	76.228	.000	15.341	.00	3.09	47.403	4.697	17.455	.000	25.251	530.979
12-14	.000	60.983	.000	12.273	.00	3.09	37.923	3.758	15.959	.000	18.206	533.706
12-15	.000	48.786	.000	9.818	.00	3.09	30.337	3.006	14.751	.000	12.580	535.451
12-16	.000	39.029	.000	7.855	.00	3.09	24.272	2.405	13.777	.000	8.090	536.490
12-17	.000	31.224	.000	6.284	.00	3.09	19.417	1.925	12.990	.000	4.502	537.025
12-18	.000	24.978	.000	5.027	.00	3.09	15.533	1.539	12.354	.000	1.640	537.206
S TOT	.000	5351.139	.000	1076.919	.00	2.91	3132.331	310.413	807.650	145.349	1868.920	537.206
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	537.206
TOTAL	.000	5351.139	.000	1076.919	.00	2.91	3132.331	310.413	807.650	145.349	1868.920	537.206
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				3132.331				
ULT.	.000	5351.139		TOTAL REVENUES (M$)				3132.331				

						PRESENT WORTH PROFILE			
						DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)		26.16	PROJECT LIFE (YEARS)		29.000	.0	1868.919	30.0	-22.915
BTAX PAYOUT		05/23/2000	DISCOUNT RATE (PCT)		8.000	2.0	1360.685	35.0	-38.635
BTAX PAYOUT (DISC)		01/10/2001	GROSS OIL WELLS		.000	5.0	853.145	40.0	-46.709
BTAX NET INCOME/INVEST		13.86	GROSS GAS WELLS		1.000	8.0	537.206	45.0	-50.551
BTAX NET INCOME/INVEST (DISC)		5.96	GROSS WELLS		2.000	10.0	393.710	50.0	-52.018
						12.0	286.694	60.0	-51.511
INITIAL W.I. FRACTION		.230000	INITIAL NET OIL FRACTION		.000000	15.0	173.764	70.0	-49.198
FINAL W.I. FRACTION		.230000	FINAL NET OIL FRACTION		.000000	18.0	99.152	80.0	-46.435
PRODUCTION START DATE		1/01/90	INITIAL NET GAS FRACTION		.201250	20.0	63.747	90.0	-43.702
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION		.201250	25.0	6.947	100.0	-41.146
WATER GROSS PROD. (MU)		261.748	WATER NET PRODUCTION (MU)		52.677	WATER NET REVENUES (M$)			.000

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101 ROSA UNIT #260
102 PROPNUM 81192-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 89 12 11 01 1989 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	1/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	27.	.000	.000
320	3.	525.000	2426.000
334	3.	2236.000	4779.000
335	3.	1511.000	1912.000
336	3.	1067.000	3086.000
337	3.	1036.000	527.000
338	3.	1030.000	387.000
339	3.	2564.000	1375.000
340	3.	7475.000	.000
341	3.	1037.000	15.000
342	3.	655.000	1440.000
343	3.	339.000	.000
344	3.	.000	.000
345	3.	119.000	1.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	.000	3940.000
351	3.	3582.000	4800.000
352	3.	2402.000	1280.000
353	3.	7985.000	5840.000
354	3.	16666.000	3920.000
355	3.	32694.000	3120.000
356	3.	32686.000	3840.000
357	3.	54541.000	4560.000
358	3.	85073.000	8100.000
359	3.	89617.000	5755.000
360	3.	78773.000	5595.000
361	3.	103157.000	7320.000
362	3.	104026.000	7280.000
363	3.	106496.000	6700.000
364	3.	101462.000	6000.000
365	3.	96135.000	5640.000
366	3.	101916.000	7200.000
367	3.	115115.000	5920.000
368	3.	122339.000	5760.000
369	3.	124337.000	5360.000
370	3.	121387.000	5280.000
371	3.	120627.000	6240.000
372	3.	134779.000	5280.000
373	3.	139716.000	4080.000
374	3.	138801.000	5840.000
375	3.	131865.000	4080.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT	(M OR Y)	CALC VALUE	
410	GAS	EXP		7.907	1496.295	X	2.641 IYRS	D		
CALC	GAS	EXP	END=	7.907	1496.295	1203.760	16.641 YRS	D	3482.042	MMCF
411	GAS	EXP		20.000	LAST	X	30.000 IYRS	D		
CALC	GAS	EXP	END=	20.000	1203.760	1.490	46.641 YRS	D	5448.616	MMCF
420	WATER	EXP		16.474	55.945	X	32.000 IYRS	D		
CALC	WATER	EXP	END=	16.474	55.945	.176	46.000 YRS	D	267.757	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9371 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
```

```
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.000	AD	G	198.600	162.200	.000		
806	! RECAV								
806	INVEST	1998.300	AD	G	142.350	128.800	.000		

```
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):        29.000
   GROSS GAS     (MMCF):      5351.139
   GROSS WATER     (MU):       261.748
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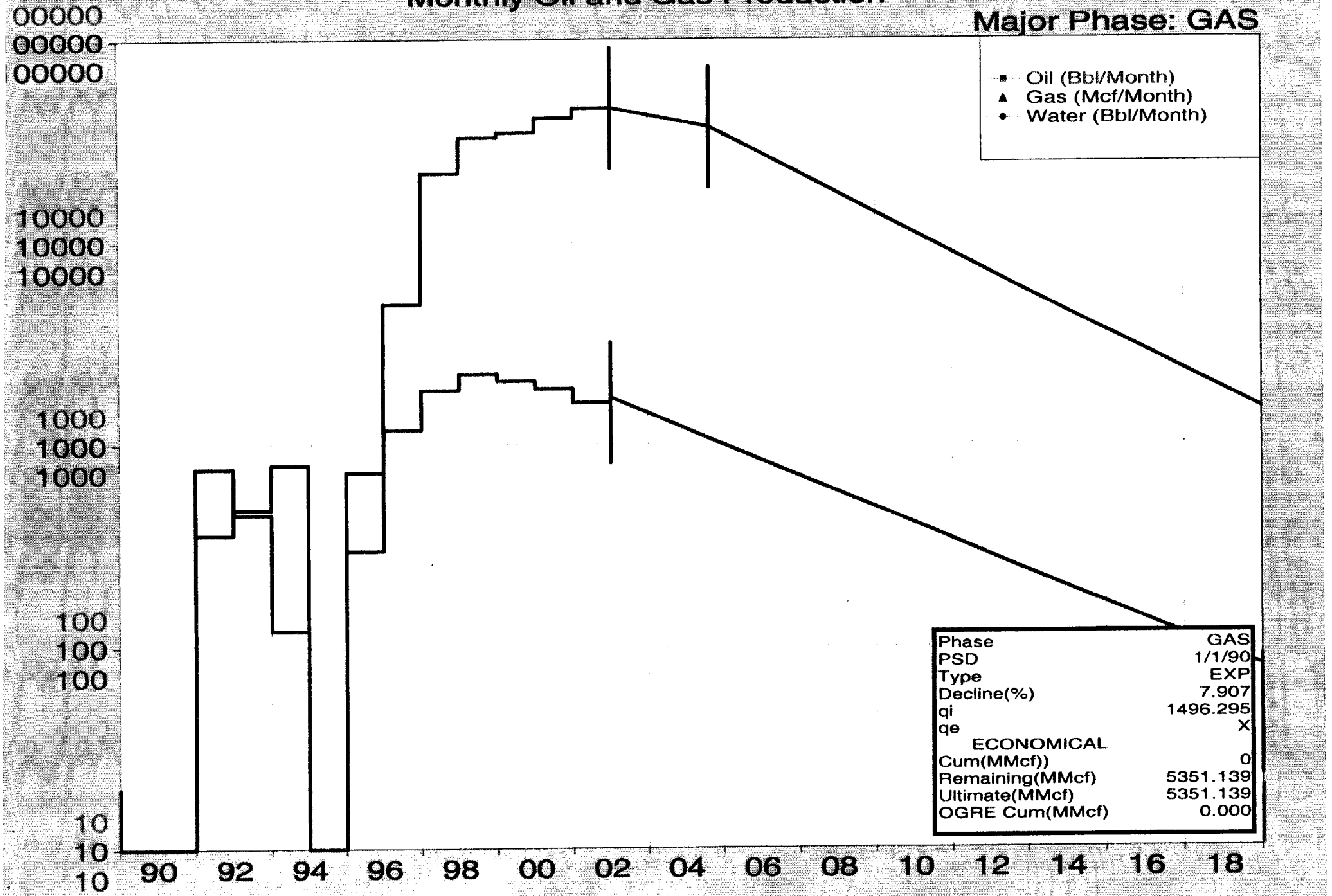
ROSA UNIT #260
31N 6W 21M
Monthly Oil and Gas Production



PASA UNIT #261
PROPNUM 81193-I
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
SAN JUAN COUNTY ,NM

DATE: 08/05/03
TIME: 05:10:24
FILE: FTC_COM
PROP: 48
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	8.760	264.793	-273.553	-268.016
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	8.760	.000	-8.760	-275.672
12-93	.000	.000	.000	.000	.00	1.52	.000	.000	8.760	.000	-8.760	-282.761
12-94	.000	.816	.000	.521	.00	1.10	.573	.057	8.978	.000	-8.462	-289.102
12-95	.000	1.554	.000	.993	.00	1.30	1.287	.128	23.176	.000	-22.017	-304.377
12-96	.000	.316	.000	.202	.00	1.55	.313	.031	27.340	.000	-27.058	-321.759
12-97	.000	1.056	.000	.675	.00	2.16	1.461	.144	31.296	.000	-29.979	-339.591
12-98	.000	1.615	.000	1.032	.00	1.73	1.790	.177	23.752	.000	-22.139	-351.784
12-99	.000	5.269	.000	3.366	.00	1.92	6.467	.641	33.807	.000	-27.981	-366.053
12-00	.000	7.690	.000	4.912	.00	3.29	16.172	1.602	38.792	207.050	-231.272	-476.774
12-01	.000	7.304	.000	4.665	.00	3.26	15.228	1.510	58.491	.000	-44.773	-496.349
12-02	.000	7.397	.000	4.725	.00	3.26	15.424	1.528	47.511	.000	-33.615	-509.957
12-03	.000	8.179	.000	5.224	.00	3.26	17.053	1.690	46.698	.000	-31.335	-521.703
12-04	.000	8.671	.000	5.539	.00	3.26	18.081	1.792	45.132	.000	-28.843	-531.714
12-05	.000	9.190	.000	5.870	.00	3.26	19.162	1.899	43.778	.000	-26.515	-540.235
12-06	.000	9.271	.000	5.922	.00	3.26	19.332	1.916	42.496	.000	-25.080	-547.698
12-07	.000	8.899	.000	5.684	.00	3.26	18.555	1.839	41.249	.000	-24.533	-554.457
12-08	.000	8.544	.000	5.457	.00	3.26	17.814	1.765	40.147	.000	-24.098	-560.605
12-09	.000	7.813	.000	4.991	.00	3.26	16.293	1.614	39.071	.000	-24.392	-566.367
12-10	.000	6.798	.000	4.342	.00	3.26	14.174	1.405	38.026	.000	-25.257	-571.891
12-11	.000	5.914	.000	3.778	.00	3.26	12.333	1.222	37.112	.000	-26.001	-577.157
12-12	.000	5.146	.000	3.287	.00	3.26	10.730	1.064	36.312	.000	-26.646	-582.153
12-13	.000	4.476	.000	2.859	.00	3.26	9.333	.925	35.608	.000	-27.200	-586.876
12-14	.000	3.894	.000	2.487	.00	3.26	8.119	.805	34.994	.000	-27.680	-591.326
12-15	.000	3.389	.000	2.165	.00	3.26	7.067	.700	34.457	.000	-28.090	-595.507
12-16	.000	2.947	.000	1.882	.00	3.26	6.144	.609	33.984	.000	-28.449	-599.428
12-17	.000	2.565	.000	1.638	.00	3.26	5.347	.530	33.573	.000	-28.756	-603.098
12-18	.000	2.231	.000	1.425	.00	3.26	4.652	.461	33.211	.000	-29.020	-606.527
12-19	.000	1.941	.000	1.240	.00	3.26	4.048	.401	32.895	.000	-29.248	-609.727
12-20	.000	1.689	.000	1.079	.00	3.26	3.522	.349	32.616	.000	-29.443	-612.710
12-21	.000	1.469	.000	.938	.00	3.26	3.062	.304	32.376	.000	-29.618	-615.488
12-22	.000	1.278	.000	.816	.00	3.26	2.664	.264	32.161	.000	-29.761	-618.073
12-23	.000	1.112	.000	.710	.00	3.26	2.318	.230	31.976	.000	-29.888	-620.477
12-24	.000	.968	.000	.618	.00	3.26	2.017	.200	31.812	.000	-29.995	-622.711
12-25	.000	.842	.000	.538	.00	3.26	1.756	.174	31.670	.000	-30.088	-624.786
12-26	.000	.732	.000	.468	.00	3.26	1.528	.152	31.544	.000	-30.168	-626.712
12-27	.000	.637	.000	.407	.00	3.26	1.329	.132	31.435	.000	-30.238	-628.499
12-28	.000	.554	.000	.354	.00	3.26	1.156	.115	31.338	.000	-30.297	-630.157
12-29	.000	.482	.000	.308	.00	3.26	1.005	.099	31.255	.000	-30.349	-631.695
12-30	.000	.420	.000	.268	.00	3.26	.875	.087	31.182	.000	-30.394	-633.121
12-31	.000	.365	.000	.233	.00	3.26	.761	.075	31.117	.000	-30.431	-634.443
12-32	.000	.317	.000	.202	.00	3.26	.659	.065	31.060	.000	-30.466	-635.669
12-33	.000	.277	.000	.177	.00	3.26	.578	.057	31.010	.000	-30.489	-636.805
12-34	.000	.240	.000	.153	.00	3.26	.499	.050	30.967	.000	-30.518	-637.858
12-35	.000	.209	.000	.133	.00	3.26	.434	.043	30.929	.000	-30.538	-638.833
12-36	.000	.182	.000	.116	.00	3.26	.379	.037	30.894	.000	-30.552	-639.736
12-37	.000	.158	.000	.101	.00	3.26	.330	.033	30.866	.000	-30.569	-640.573
12-38	.000	.138	.000	.088	.00	3.26	.287	.029	30.841	.000	-30.583	-641.348
12-39	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-641.348
S TOT	.000	144.954	.000	92.588	.00	3.15	292.111	28.950	1565.215	471.843	-1773.897	-641.348
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-641.348
TOTAL	.000	144.954	.000	92.588	.00	3.15	292.111	28.950	1565.215	471.843	-1773.897	-641.348
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			292.111					
ULT.	.000	144.954		TOTAL REVENUES (M$)			292.111					

BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	48.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT	12/31/2038	DISCOUNT RATE (PCT)	8.000	2.0	-1238.403	35.0	-300.845
BTAX PAYOUT (DISC)	12/31/2038	GROSS OIL WELLS	.000	5.0	-837.482	40.0	-287.950
BTAX NET INCOME/INVEST	-2.76	GROSS GAS WELLS	1.000	8.0	-641.348	45.0	-278.137
BTAX NET INCOME/INVEST (DISC)	-.79	GROSS WELLS	2.000	10.0	-561.815	50.0	-270.416
				12.0	-504.695	60.0	-258.956
INITIAL W.I. FRACTION	.730000	INITIAL NET OIL FRACTION	.000000	15.0	-444.498	70.0	-250.686
FINAL W.I. FRACTION	.730000	FINAL NET OIL FRACTION	.000000	18.0	-402.912	80.0	-244.267
PRODUCTION START DATE	11/01/90	INITIAL NET GAS FRACTION	.638750	20.0	-381.805	90.0	-239.005
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.638750	25.0	-343.648	100.0	-234.523
WATER GROSS PROD. (MU)	97.419	WATER NET PRODUCTION (MU)	62.226	WATER NET REVENUES (M$)		.000	

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101 ROSA UNIT #261
102 PROPNUM 81193-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 SAN JUAN COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.73000000	.00	1500.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.63875000	3.650	9.000	1.0	
224	WATER	.000	.63875000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	47.	.000	.000
320	3.	816.000	1.000
344	3.	1231.000	.000
345	3.	205.000	49.000
346	3.	28.000	105.000
347	3.	90.000	320.000
348	3.	140.000	1475.000
349	3.	85.000	500.000
350	3.	62.000	640.000
351	3.	29.000	320.000
352	3.	77.000	.000
353	3.	190.000	435.000
354	3.	219.000	3160.000
355	3.	570.000	1400.000
356	3.	.000	.000
357	3.	224.000	.000
358	3.	532.000	780.000
359	3.	859.000	.000
360	3.	1771.000	240.000
361	3.	595.000	.000
362	3.	2606.000	.000
363	3.	297.000	720.000
364	3.	1607.000	.000
365	3.	2399.000	80.000
366	3.	2425.000	420.000
367	3.	1259.000	2840.000
368	3.	1075.000	3460.000
369	3.	2268.000	4120.000
370	3.	1899.000	3170.000
371	3.	2062.000	3440.000
372	3.	1936.000	2720.000
373	3.	1579.000	2240.000
374	3.	2181.000	1760.000
375	3.	1701.000	1440.000
376	3.		

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-6.000	21.763	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	-6.000	21.763	25.920	16.000	YRS	D	59.057	MMCF
411	GAS	EXP		4.000	LAST	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.000	25.920	22.932	19.000	YRS	D	85.771	MMCF
412	GAS	EXP		13.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	13.000	22.932	.352	49.000	YRS	D	144.954	MMCF
420	WATER	EXP		12.230	22.213	X	36.000	IYRS	D		
CALC	WATER	EXP	END=	12.230	22.213	.203	49.000	YRS	D	97.419	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.000	AD	G	186.530	176.200	.000		

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806 ! RECAV
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806     INVEST      2000.300    AD              G          183.000     100.630         .000

853 CASE $GATHNET88
*   658 COMPUTE GASC = GASC / WI
*   659 COMPUTE GASC = GASC * NIG

-   855 NOLOSS = OFF
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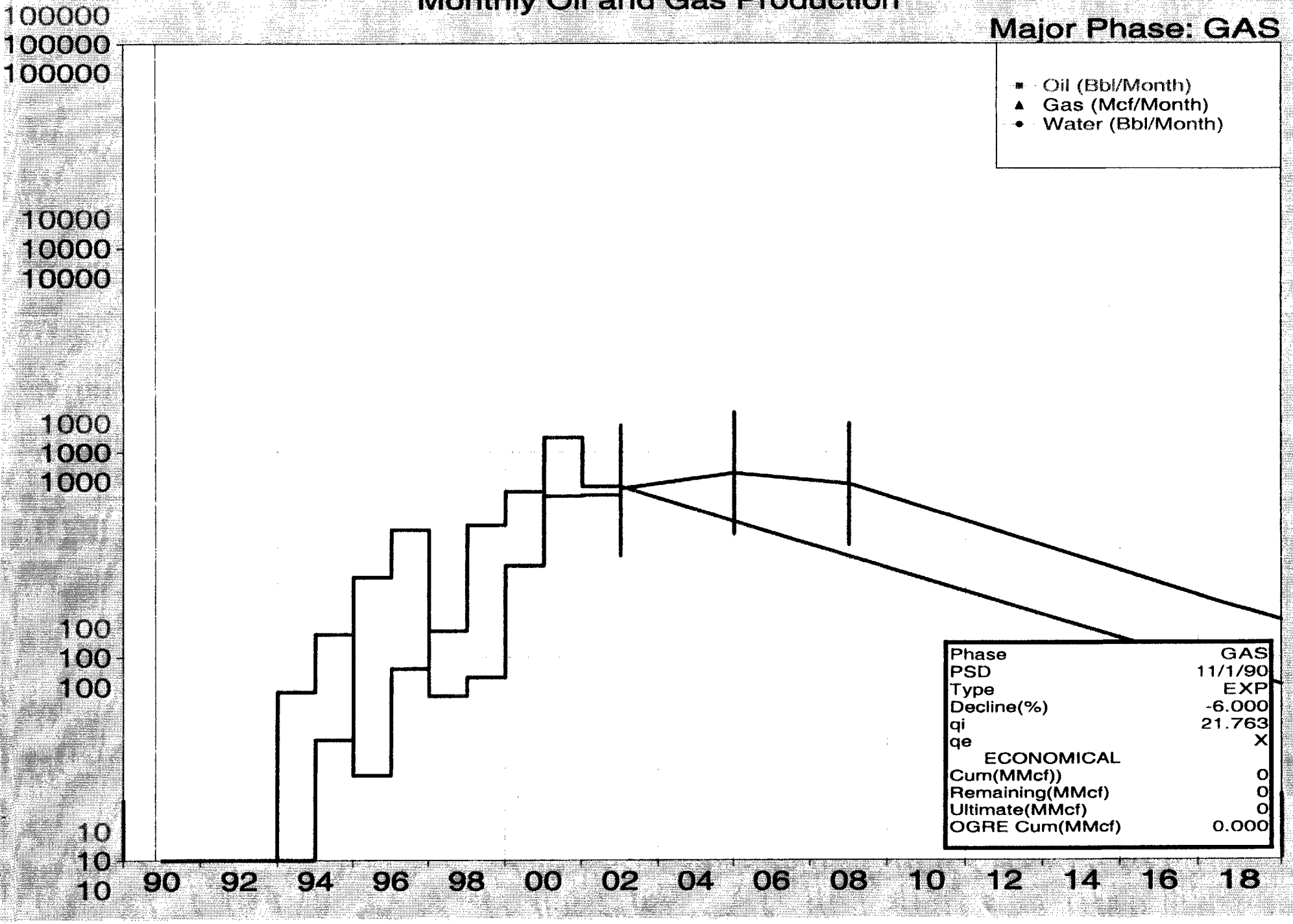
ROSA UNIT #261
31N 6W 10L
Monthly Oil and Gas Production



ROSA UNIT #262
PROPNUM 81312-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 05:26:44
FILE: FTC_COM
PROP: 49
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.52	.000	.000	.000	78.379	-78.379	-76.296
12-92	.000	.000	.000	.000	.00	1.75	.000	.000	.000	.000	.000	-76.296
12-93	.000	.000	.000	.000	.00	1.51	.000	.000	.000	.000	.000	-76.296
12-94	.000	.000	.000	.000	.00	1.09	.000	.000	.000	.000	.000	-76.296
12-95	.000	.000	.000	.000	.00	1.28	.000	.000	.000	.000	.000	-76.296
12-96	.000	.000	.000	.000	.00	1.53	.000	.000	.000	.000	.000	-76.296
12-97	.000	.000	.000	.000	.00	2.14	.000	.000	.000	.000	.000	-76.296
12-98	.000	34.760	.000	6.995	.00	1.72	12.020	1.191	14.005	55.922	-59.098	-108.375
12-99	.000	87.216	.000	17.552	.00	1.90	33.403	3.310	42.375	.000	-12.282	-114.638
12-00	.000	93.392	.000	18.795	.00	3.26	61.292	6.074	42.585	.000	12.633	-108.673
12-01	.000	119.640	.000	24.078	.00	3.23	77.853	7.715	43.834	.000	26.304	-97.173
12-02	.000	169.779	.000	34.168	.00	3.23	110.478	10.948	47.287	.000	52.243	-76.024
12-03	.000	182.722	.000	36.773	.00	3.23	118.901	11.783	46.917	.000	60.201	-53.458
12-04	.000	212.695	.000	42.805	.00	3.23	138.405	13.715	46.717	.000	77.973	-26.396
12-05	.000	239.950	.000	48.290	.00	3.23	156.140	15.474	46.596	.000	94.070	3.835
12-06	.000	232.723	.000	46.836	.00	3.23	151.439	15.008	43.897	.000	92.534	31.369
12-07	.000	217.156	.000	43.703	.00	3.23	141.308	14.004	40.746	.000	86.558	55.217
12-08	.000	184.832	.000	37.197	.00	3.23	120.272	11.918	36.423	.000	71.931	73.567
12-09	.000	155.259	.000	31.246	.00	3.23	101.030	10.012	32.517	.000	58.501	87.386
12-10	.000	130.418	.000	26.247	.00	3.23	84.867	8.410	29.167	.000	47.290	97.729
12-11	.000	109.551	.000	22.047	.00	3.23	71.286	7.065	26.293	.000	37.928	105.410
12-12	.000	92.023	.000	18.520	.00	3.23	59.882	5.934	23.825	.000	30.123	111.058
12-13	.000	77.299	.000	15.556	.00	3.23	50.298	4.985	21.706	.000	23.607	115.157
12-14	.000	64.931	.000	13.067	.00	3.23	42.251	4.187	19.884	.000	18.180	118.080
12-15	.000	54.543	.000	10.977	.00	3.23	35.493	3.517	18.316	.000	13.660	120.113
12-16	.000	45.815	.000	9.220	.00	3.23	29.812	2.954	16.966	.000	9.892	121.476
12-17	.000	38.485	.000	7.745	.00	3.23	25.043	2.482	15.802	.000	6.759	122.339
12-18	.000	32.328	.000	6.506	.00	3.23	21.036	2.084	14.800	.000	4.152	122.830
12-19	.000	27.155	.000	5.465	.00	3.23	17.670	1.751	13.935	.000	1.984	123.047
12-20	.000	22.810	.000	4.591	.00	3.23	14.844	1.471	13.188	.000	.185	123.066
S TOT	.000	2625.482	.000	528.379	.00	3.17	1675.023	165.992	697.781	134.302	676.948	123.066
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	123.066
TOTAL	.000	2625.482	.000	528.379	.00	3.17	1675.023	165.992	697.781	134.302	676.948	123.066
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				1675.023				
ULT.	.000	2625.482		TOTAL REVENUES (M$)				1675.023				

BTAX RATE OF RETURN (PCT)	14.45	PROJECT LIFE (YEARS)	30.000		--------PRESENT WORTH PROFILE---------			
BTAX PAYOUT	12/21/2003	DISCOUNT RATE (PCT)	8.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT (DISC)	11/15/2005	GROSS OIL WELLS	.000	2.0	456.664	35.0	-67.705
BTAX NET INCOME/INVEST	6.04	GROSS GAS WELLS	1.000	5.0	246.568	40.0	-68.778
BTAX NET INCOME/INVEST (DISC)	2.15	GROSS WELLS	2.000	8.0	123.066	45.0	-68.856
				10.0	69.694	50.0	-68.459
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000	12.0	31.418	60.0	-67.115
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000	15.0	-7.028	70.0	-65.621
PRODUCTION START DATE	11/01/90	INITIAL NET GAS FRACTION	.201250	18.0	-30.886	80.0	-64.203
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.201250	20.0	-41.584	90.0	-62.895
				25.0	-57.430	100.0	-61.699
WATER GROSS PROD. (MU)	512.243	WATER NET PRODUCTION (MU)	103.090	WATER NET REVENUES (M$)			.000

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101 ROSA UNIT #262
102 PROPNUM 81312-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

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300 SERIES LINES:
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	MAN	GAS	WATER
305	FACT	1.000	1.000
310	89.	.000	.000
320	3.	458.000	640.000
358	3.	956.000	1040.000
359	3.	33346.000	10482.000
360	3.	25750.000	10082.000
361	3.	22843.000	12800.000
362	3.	19949.000	11640.000
363	3.	18674.000	12240.000
364	3.	20991.000	12560.000
365	3.	22349.000	11360.000
366	3.	25860.000	10880.000
367	3.	24192.000	11440.000
368	3.	25321.000	11040.000
369	3.	27088.000	10480.000
370	3.	33205.000	11440.000
371	3.	34026.000	11680.000
372	3.	35809.000	11200.000
373	3.	39948.000	10480.000
374	3.	44477.000	10800.000
375	3.	49545.000	10960.000
376			

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	-16.403	463.553	X	2.452	IYRS	D		
CALC	GAS	EXP	END= -16.403	463.553	672.734	15.452	YRS	D	1007.467	MMCF
411	GAS	EXP	5.000	LAST	X	2.000	IYRS	D		
CALC	GAS	EXP	END= 5.000	672.734	607.143	17.452	YRS	D	1474.213	MMCF
412	GAS	EXP	16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END= 16.000	607.143	3.248	47.452	YRS	D	2738.435	MMCF
420	WATER	EXP	11.372	119.061	X	34.422	IYRS	D		
CALC	WATER	EXP	END= 11.372	119.061	1.867	47.422	YRS	D	547.577	M-UNITS

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600 SERIES LINES:
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602 DATA BTU : 0.9806 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1998.0 AD : 1500 UNTIL 1999.0 AD THEN 3000 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

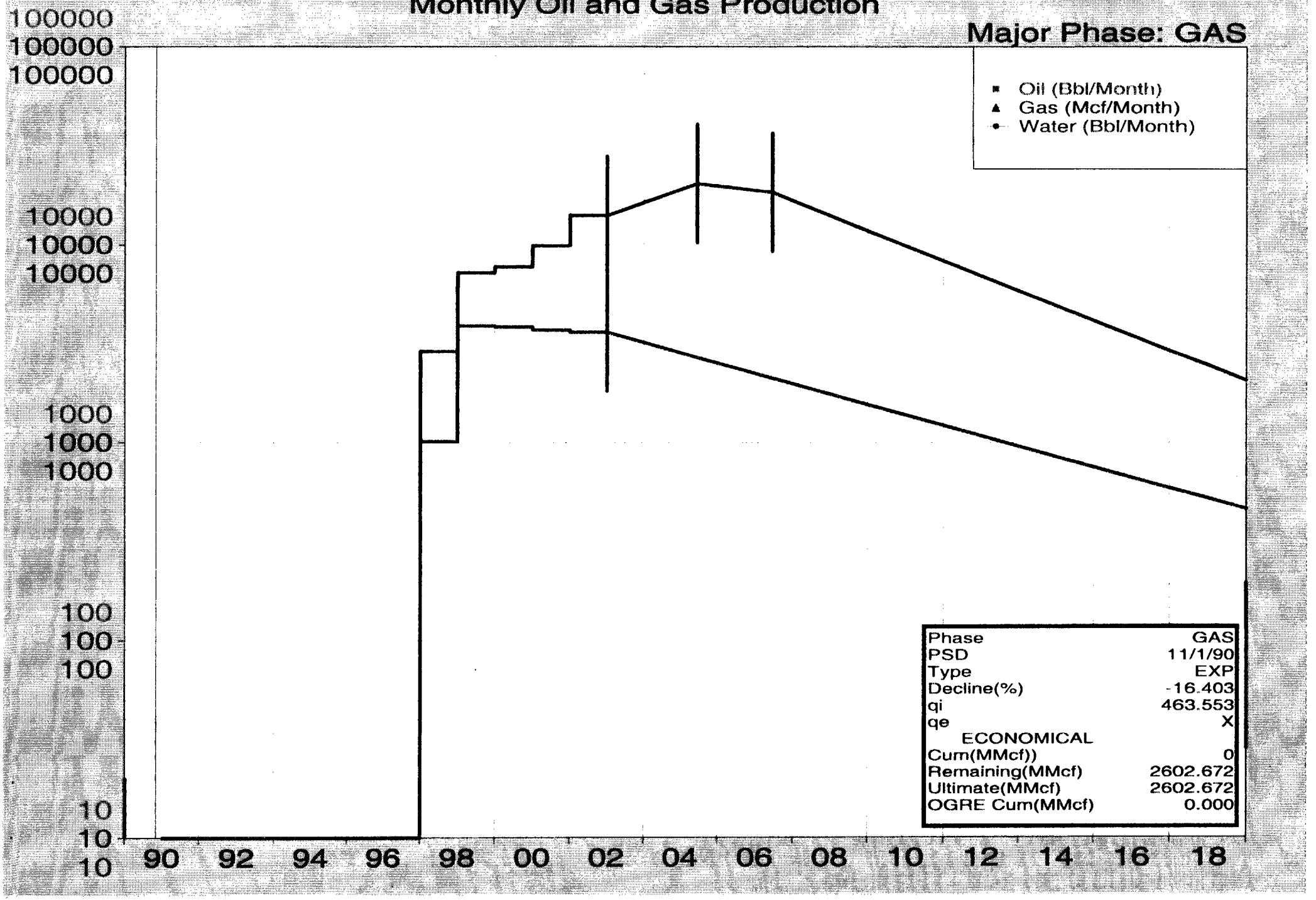
	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100 AD	G	254.580	86.200	.000		
806	! RECAV							
806	INVEST	1998.700 AD	G	143.140	100.000	.000		

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON
```

ECONOMIC LIFE (YRS): 30.000
GROSS GAS (MMCF): 2625.482
GROSS WATER (MU): 512.243

ROSA UNIT #262
31N 5W 21H
Monthly Oil and Gas Production



ROSA UNIT #263
PROPNUM 81425-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 05:34:01
FILE: FTC_COM
PROP: 50
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.52	.000	.000	.000	72.459	-72.459	-69.456
12-92	.000	.000	.000	.000	.00	1.74	.000	.000	.000	.000	.000	-69.456
12-93	.000	.000	.000	.000	.00	1.50	.000	.000	.000	.000	.000	-69.456
12-94	.000	.000	.000	.000	.00	1.08	.000	.000	.000	.000	.000	-69.456
12-95	.000	.000	.000	.000	.00	1.28	.000	.000	.000	.000	.000	-69.456
12-96	.000	.000	.000	.000	.00	1.52	.000	.000	.000	.000	.000	-69.456
12-97	.000	.000	.000	.000	.00	2.13	.000	.000	.000	.000	.000	-69.456
12-98	.000	.196	.000	.039	.00	1.71	.067	.007	5.352	.000	-5.292	-72.371
12-99	.000	17.290	.000	3.480	.00	1.89	6.584	.653	16.508	43.530	-54.107	-99.457
12-00	.000	83.516	.000	16.808	.00	3.24	54.494	5.400	32.345	.000	16.749	-91.548
12-01	.000	159.300	.000	32.059	.00	3.21	103.056	10.213	36.776	.000	56.067	-67.035
12-02	.000	240.343	.000	48.369	.00	3.21	155.486	15.409	40.628	.000	99.449	-26.775
12-03	.000	250.135	.000	50.340	.00	3.21	161.822	16.037	40.721	.000	105.064	12.607
12-04	.000	234.118	.000	47.116	.00	3.21	151.458	15.009	38.152	.000	98.297	46.723
12-05	.000	214.550	.000	43.178	.00	3.21	138.799	13.755	35.442	.000	89.602	75.518
12-06	.000	178.171	.000	35.857	.00	3.21	115.265	11.423	31.481	.000	72.361	97.050
12-07	.000	146.099	.000	29.402	.00	3.21	94.515	9.366	27.990	.000	57.159	112.798
12-08	.000	119.802	.000	24.110	.00	3.21	77.504	7.680	25.076	.000	44.748	124.214
12-09	.000	98.238	.000	19.770	.00	3.21	63.552	6.298	22.641	.000	34.613	132.390
12-10	.000	80.555	.000	16.212	.00	3.21	52.115	5.164	20.602	.000	26.349	138.153
12-11	.000	66.055	.000	13.294	.00	3.21	42.735	4.235	18.896	.000	19.604	142.123
12-12	.000	54.165	.000	10.901	.00	3.21	35.042	3.473	17.466	.000	14.103	144.768
12-13	.000	44.415	.000	8.939	.00	3.21	28.735	2.847	16.265	.000	9.623	146.439
12-14	.000	36.421	.000	7.330	.00	3.21	23.563	2.335	15.256	.000	5.972	147.399
12-15	.000	29.864	.000	6.010	.00	3.21	19.320	1.915	14.406	.000	2.999	147.845
12-16	.000	24.490	.000	4.929	.00	3.21	15.845	1.570	13.692	.000	.583	147.925
S TOT	.000	2077.723	.000	418.143	.00	3.20	1339.957	132.789	469.695	115.989	621.484	147.925
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	147.925
TOTAL	.000	2077.723	.000	418.143	.00	3.20	1339.957	132.789	469.695	115.989	621.484	147.925
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			1339.957					
ULT.	.000	2077.723		TOTAL REVENUES (M$)			1339.957					

BTAX RATE OF RETURN (PCT)	17.20	PROJECT LIFE (YEARS)	26.000					
BTAX PAYOUT	08/04/2002	DISCOUNT RATE (PCT)	8.000					
BTAX PAYOUT (DISC)	09/05/2003	GROSS OIL WELLS	.000					
BTAX NET INCOME/INVEST	6.36	GROSS GAS WELLS	1.000					
BTAX NET INCOME/INVEST (DISC)	2.62	GROSS WELLS	2.000					
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000					
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000					
PRODUCTION START DATE	11/01/90	INITIAL NET GAS FRACTION	.201250					
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.201250					
WATER GROSS PROD. (MU)	210.421	WATER NET PRODUCTION (MU)	42.348					

---------PRESENT WORTH PROFILE---------			
DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	621.484	30.0	-48.229
2.0	441.223	35.0	-53.094
5.0	260.527	40.0	-55.353
8.0	147.925	45.0	-56.203
10.0	96.879	50.0	-56.283
12.0	58.928	60.0	-55.371
15.0	19.115	70.0	-53.932
18.0	-6.936	80.0	-52.405
20.0	-19.172	90.0	-50.916
25.0	-38.457	100.0	-49.515

WATER NET REVENUES (M$) .000

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101 ROSA UNIT #263
102 PROPNUM 81425-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	92.	.000	.000
320	3.	123.000	1280.000
359	3.	73.000	800.000
360	3.	62.000	560.000
361	3.	.000	.000
362	3.	.000	240.000
363	3.	17228.000	8640.000
364	3.	19851.000	7000.000
365	3.	18406.000	7280.000
366	3.	22132.000	6800.000
367	3.	23127.000	6440.000
368	3.	26798.000	6000.000
369	3.	35156.000	6720.000
370	3.	48582.000	5840.000
371	3.	48764.000	5840.000
372	3.	52529.000	5280.000
373	3.	57904.000	5120.000
374	3.	64957.000	4800.000
375	3.	64953.000	4320.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		6.403	708.224	X	2.425	IYRS	D		
CALC	GAS	EXP	END=	6.403	708.224	603.227	15.425	YRS	D	1079.802	MMCF
411	GAS	EXP		18.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	18.000	603.227	1.566	45.425	YRS	D	2186.404	MMCF
420	WATER	EXP		11.916	53.335	X	32.000	IYRS	D		
CALC	WATER	EXP	END=	11.916	53.335	.920	45.000	YRS	D	233.745	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9749 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1998.0 AD : 1500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

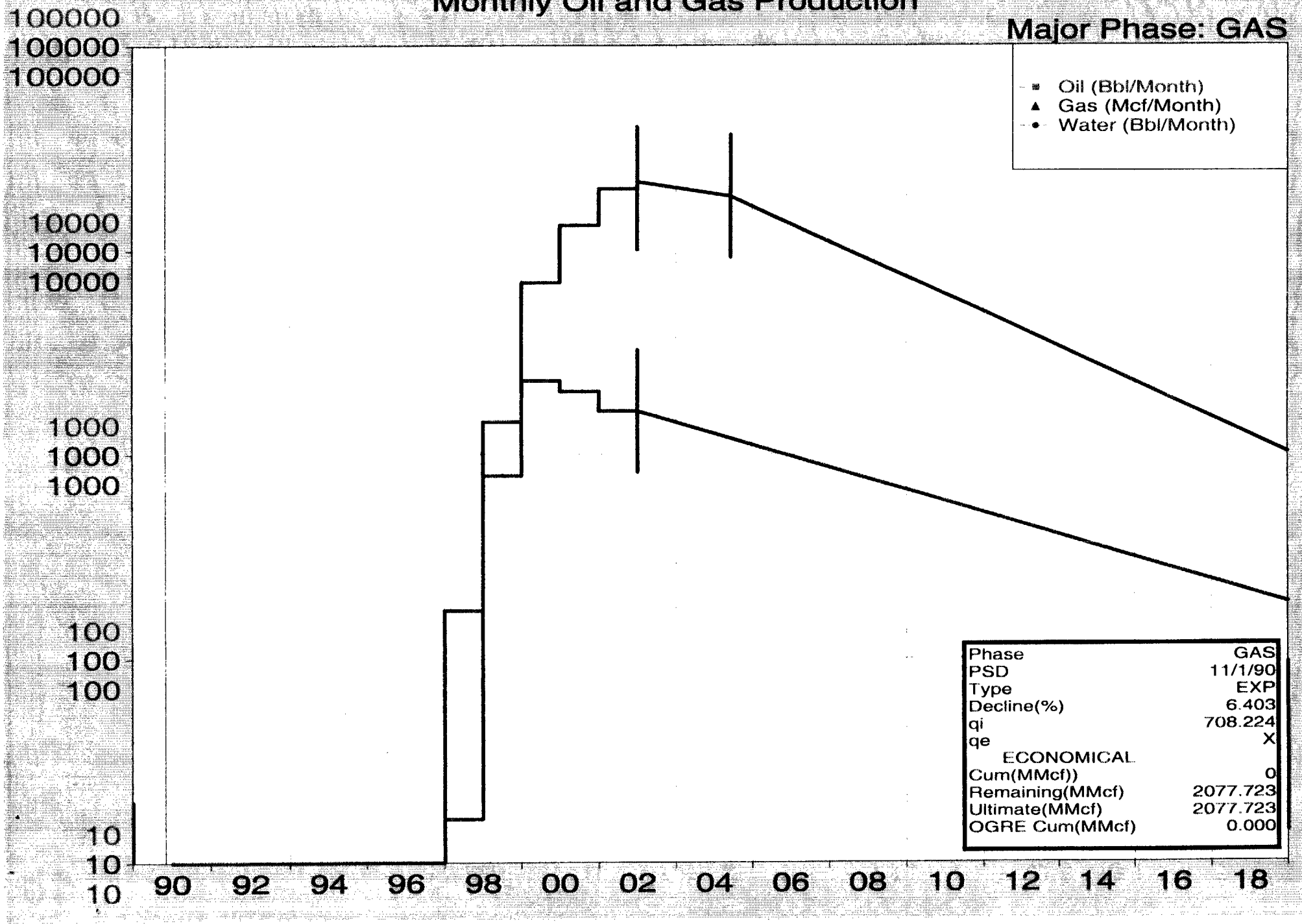
	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.300	AD	G	210.040	105.000	.000		
806	! RECAV								
806	INVEST	1999.800	AD	G	125.200	64.060	.000		

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE (YRS):        26.000
GROSS GAS     (MMCF):     2077.723
GROSS WATER     (MU):      210.421
```

ROSA UNIT #263
31N 5W 21M
Monthly Oil and Gas Production



ROSA UNIT #266
PROPNUM 81426-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 05:38:21
FILE: FTC_COM
PROP: 52
STID: BASE
.CMD:.CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.50	.000	.000	.000	73.565	-73.565	-70.516
12-92	.000	.000	.000	.000	.00	1.72	.000	.000	.000	.000	.000	-70.516
12-93	.000	.000	.000	.000	.00	1.49	.000	.000	.000	.000	.000	-70.516
12-94	.000	.000	.000	.000	.00	1.08	.000	.000	.000	.000	.000	-70.516
12-95	.000	.000	.000	.000	.00	1.27	.000	.000	.000	.000	.000	-70.516
12-96	.000	.000	.000	.000	.00	1.51	.000	.000	.000	.000	.000	-70.516
12-97	.000	.000	.000	.000	.00	2.11	.000	.000	.000	.000	.000	-70.516
12-98	.000	40.979	.000	8.247	.00	1.70	13.982	1.385	13.185	.000	-.588	-70.840
12-99	.000	104.795	.000	21.090	.00	1.88	39.600	3.924	25.517	46.713	-36.554	-89.117
12-00	.000	181.093	.000	36.445	.00	3.22	117.263	11.621	35.510	.000	70.132	-56.001
12-01	.000	164.164	.000	33.038	.00	3.19	105.397	10.445	31.297	43.537	20.118	-46.986
12-02	.000	311.098	.000	62.608	.00	3.19	199.731	19.794	40.476	.000	139.461	9.472
12-03	.000	333.151	.000	67.047	.00	3.19	213.892	21.196	41.665	.000	151.031	66.085
12-04	.000	371.484	.000	74.761	.00	3.19	238.502	23.635	44.051	.000	170.816	125.371
12-05	.000	414.227	.000	83.363	.00	3.19	265.943	26.355	46.909	.000	192.679	187.291
12-06	.000	430.352	.000	86.608	.00	3.19	276.296	27.381	47.692	.000	201.223	247.167
12-07	.000	408.968	.000	82.305	.00	3.19	262.568	26.020	45.499	.000	191.049	299.805
12-08	.000	388.519	.000	78.189	.00	3.19	249.437	24.719	43.451	.000	181.267	346.048
12-09	.000	350.954	.000	70.629	.00	3.19	225.320	22.329	40.065	.000	162.926	384.533
12-10	.000	294.944	.000	59.357	.00	3.19	189.360	18.765	35.225	.000	135.370	414.141
12-11	.000	247.752	.000	49.860	.00	3.19	159.063	15.763	31.146	.000	112.154	436.854
12-12	.000	208.112	.000	41.883	.00	3.19	133.615	13.241	27.718	.000	92.656	454.228
12-13	.000	174.814	.000	35.181	.00	3.19	112.234	11.122	24.837	.000	76.275	467.471
12-14	.000	146.843	.000	29.552	.00	3.19	94.276	9.343	22.415	.000	62.518	477.522
12-15	.000	123.349	.000	24.824	.00	3.19	79.193	7.848	20.380	.000	50.965	485.108
12-16	.000	103.613	.000	20.852	.00	3.19	66.522	6.592	18.670	.000	41.260	490.795
12-17	.000	87.035	.000	17.516	.00	3.19	55.879	5.538	17.233	.000	33.108	495.020
12-18	.000	73.109	.000	14.713	.00	3.19	46.937	4.651	16.024	.000	26.262	498.123
12-19	.000	61.412	.000	12.359	.00	3.19	39.428	3.908	15.009	.000	20.511	500.367
12-20	.000	51.586	.000	10.382	.00	3.19	33.121	3.282	14.156	.000	15.683	501.956
12-21	.000	43.332	.000	8.721	.00	3.19	27.822	2.757	13.439	.000	11.626	503.047
12-22	.000	36.399	.000	7.325	.00	3.19	23.368	2.316	12.836	.000	8.216	503.761
12-23	.000	30.575	.000	6.153	.00	3.19	19.629	1.946	12.330	.000	5.353	504.191
12-24	.000	25.684	.000	5.169	.00	3.19	16.490	1.634	11.904	.000	2.952	504.411
12-25	.000	21.573	.000	4.342	.00	3.19	13.852	1.373	11.546	.000	.933	504.475
S TOT	.000	5229.916	.000	1052.519	.00	3.15	3318.720	328.883	760.185	163.814	2065.838	504.475
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	504.475
TOTAL	.000	5229.916	.000	1052.519	.00	3.15	3318.720	328.883	760.185	163.814	2065.838	504.475
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			3318.720	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	5229.916		TOTAL REVENUES (M$)			3318.720	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		24.50	PROJECT LIFE (YEARS)				35.000	.0	2065.837	30.0	-29.531	
BTAX PAYOUT		02/24/2002	DISCOUNT RATE (PCT)				8.000	2.0	1436.768	35.0	-42.361	
BTAX PAYOUT (DISC)		10/31/2002	GROSS OIL WELLS				.000	5.0	846.982	40.0	-49.072	
BTAX NET INCOME/INVEST		13.61	GROSS GAS WELLS				1.000	8.0	504.475	45.0	-52.508	
BTAX NET INCOME/INVEST (DISC)		5.47	GROSS WELLS				2.000	10.0	356.868	50.0	-54.142	
								12.0	250.748	60.0	-54.809	
INITIAL W.I. FRACTION		.230000	INITIAL NET OIL FRACTION				.000000	15.0	143.163	70.0	-54.043	
FINAL W.I. FRACTION		.230000	FINAL NET OIL FRACTION				.000000	18.0	75.079	80.0	-52.814	
PRODUCTION START DATE		11/01/90	INITIAL NET GAS FRACTION				.201250	20.0	43.774	90.0	-51.471	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.201250	25.0	-4.841	100.0	-50.136	
WATER GROSS PROD. (MU)		114.952	WATER NET PRODUCTION (MU)				23.133	WATER NET REVENUES (M$)			.000	

CASE NAME: ROSA UNIT #266 -TEST -1PDP-RLG-1626.01 -BASIN

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101 ROSA UNIT #266
102 PROPNUM 81426-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	89.	.000	.000
320	3.	.000	80.000
358	3.	3373.000	2800.000
359	3.	37606.000	2240.000
360	3.	26937.000	2320.000
361	3.	30270.000	3360.000
362	3.	15891.000	3120.000
363	3.	31697.000	3920.000
364	3.	60125.000	4920.000
365	3.	50040.000	6320.000
366	3.	32295.000	2560.000
367	3.	38633.000	5480.000
368	3.	35688.000	4640.000
369	3.	36562.000	5120.000
370	3.	36511.000	2360.000
371	3.	55403.000	2235.000
372	3.	62529.000	2489.000
373	3.	78307.000	2685.000
374	3.	87141.000	2311.000
375	3.	83121.000	2000.000
376			

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	-11.506	863.943	X	3.063	IYRS	D		
CALC	GAS	EXP END=	-11.506	863.943	1206.034	16.063	YRS	D	1948.629	MMCF
411	GAS	EXP	5.000	LAST	X	3.022	IYRS	D		
CALC	GAS	EXP END=	5.000	1206.034	1032.857	19.085	YRS	D	3180.945	MMCF
412	GAS	EXP	16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP END=	16.000	1032.857	5.526	49.085	YRS	D	5331.611	MMCF
420	WATER	EXP	15.260	25.049	X	36.000	IYRS	D		
CALC	WATER	EXP END=	15.260	25.049	.065	49.000	YRS	D	116.034	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9675 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1998.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

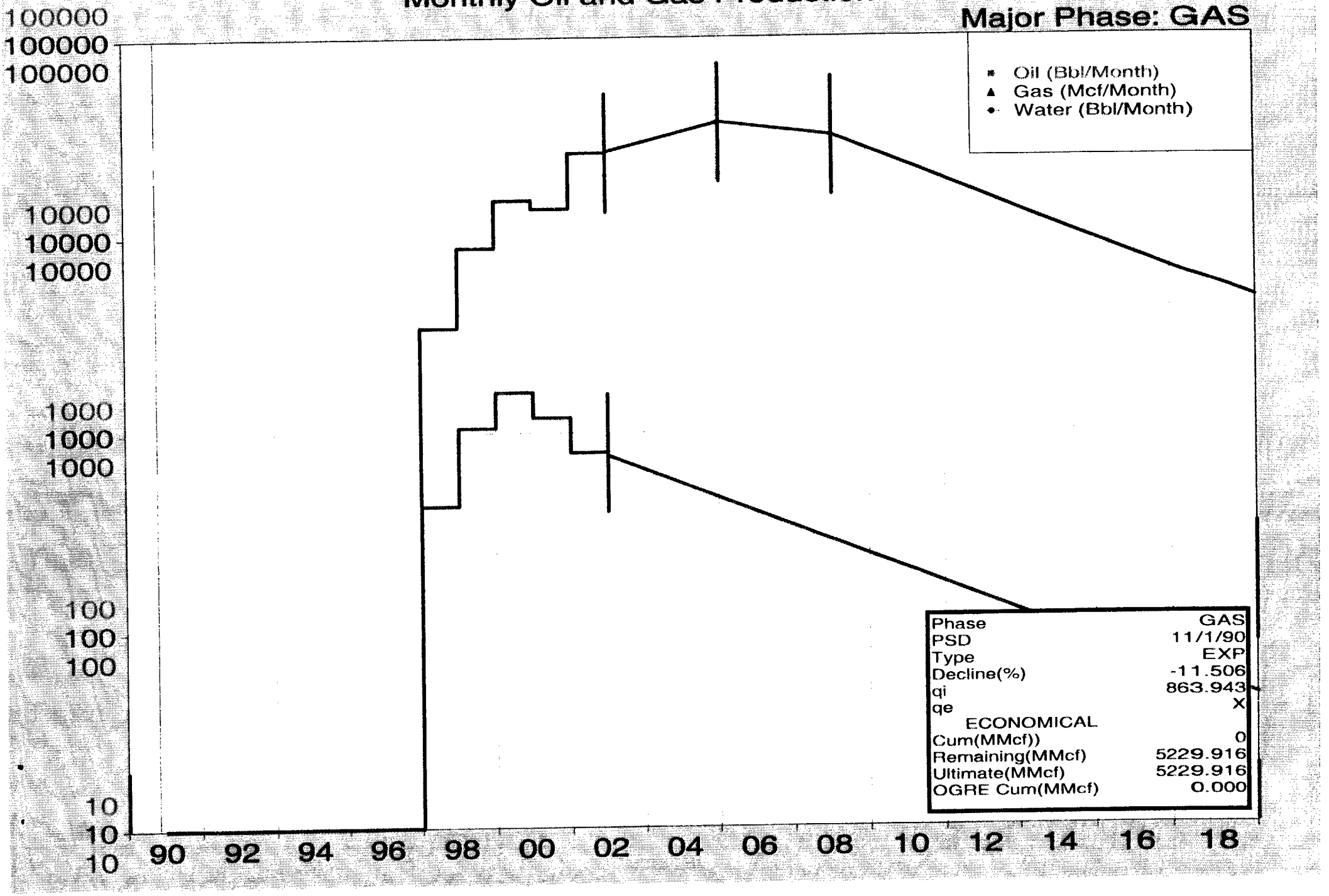
	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.300	AD	G	209.616	110.230	.000		
806 ! RECAV									
806	INVEST	1999.700	AD	G	103.100	100.000	.000		
807 ! RECAV									
807	INVEST	2001.650	AD	G	89.290	100.000	.000		

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON
```

ECONOMIC LIFE (YRS): 35.000
GROSS GAS (MMCF): 5229.916
GROSS WATER (MU): 114.952

ROSA UNIT #266
31N 5W 28B
Monthly Oil and Gas Production



ROSA UNIT #267
PROPNUM 81427-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 05:44:51
FILE: FTC_COM
PROP: 53
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF NOVEMBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.46	.000	.000	.000	75.417	-75.417	-73.885
12-92	.000	.000	.000	.000	.00	1.67	.000	.000	.000	.000	.000	-73.885
12-93	.000	.000	.000	.000	.00	1.44	.000	.000	.000	.000	.000	-73.885
12-94	.000	.000	.000	.000	.00	1.04	.000	.000	.000	.000	.000	-73.885
12-95	.000	.000	.000	.000	.00	1.23	.000	.000	.000	.000	.000	-73.885
12-96	.000	.000	.000	.000	.00	1.47	.000	.000	.000	.000	.000	-73.885
12-97	.000	.000	.000	.000	.00	2.05	.000	.000	.000	.000	.000	-73.885
12-98	.000	118.253	.000	23.798	.00	1.65	39.191	3.884	21.371	.000	13.936	-66.160
12-99	.000	163.634	.000	32.931	.00	1.82	60.063	5.953	28.966	48.151	-23.007	-77.404
12-00	.000	182.598	.000	36.748	.00	3.13	114.853	11.382	35.367	6.095	62.009	-47.980
12-01	.000	331.576	.000	66.730	.00	3.10	206.786	20.493	44.060	.000	142.233	14.606
12-02	.000	520.759	.000	104.803	.00	3.10	324.769	32.184	56.833	.000	235.752	110.659
12-03	.000	507.619	.000	102.158	.00	3.10	316.572	31.372	55.329	.000	229.871	197.378
12-04	.000	482.239	.000	97.051	.00	3.10	300.746	29.804	52.446	.000	218.496	273.700
12-05	.000	434.146	.000	87.372	.00	3.10	270.753	26.832	47.903	.000	196.018	337.099
12-06	.000	356.511	.000	71.748	.00	3.10	222.336	22.033	41.138	.000	159.165	384.765
12-07	.000	292.340	.000	58.833	.00	3.10	182.315	18.067	35.539	.000	128.709	420.455
12-08	.000	239.718	.000	48.243	.00	3.10	149.498	14.815	30.936	.000	103.747	447.092
12-09	.000	196.569	.000	39.560	.00	3.10	122.590	12.149	27.152	.000	83.289	466.893
12-10	.000	161.186	.000	32.439	.00	3.10	100.524	9.962	24.043	.000	66.519	481.535
12-11	.000	132.173	.000	26.600	.00	3.10	82.429	8.169	21.487	.000	52.773	492.291
12-12	.000	108.382	.000	21.812	.00	3.10	67.592	6.698	19.386	.000	41.508	500.124
12-13	.000	88.873	.000	17.886	.00	3.10	55.426	5.492	17.658	.000	32.276	505.764
12-14	.000	72.876	.000	14.666	.00	3.10	45.448	4.504	16.239	.000	24.705	509.761
12-15	.000	59.758	.000	12.026	.00	3.10	37.267	3.693	15.070	.000	18.504	512.533
12-16	.000	49.002	.000	9.862	.00	3.10	30.561	3.028	14.111	.000	13.422	514.395
12-17	.000	40.181	.000	8.086	.00	3.10	25.057	2.483	13.321	.000	9.253	515.583
12-18	.000	32.949	.000	6.631	.00	3.10	20.548	2.036	12.672	.000	5.840	516.278
12-19	.000	27.018	.000	5.437	.00	3.10	16.848	1.669	12.139	.000	3.040	516.613
12-20	.000	22.155	.000	4.459	.00	3.10	13.818	1.370	11.698	.000	.750	516.689
S TOT	.000	4620.515	.000	929.879	.00	3.02	2805.990	278.072	654.864	129.663	1743.392	516.689
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	516.689
TOTAL	.000	4620.515	.000	929.879	.00	3.02	2805.990	278.072	654.864	129.663	1743.392	516.689
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			2805.990					
ULT.	.000	4620.515		TOTAL REVENUES (M$)			2805.990					

BTAX RATE OF RETURN (PCT)	26.76	PROJECT LIFE (YEARS)	30.000	--------PRESENT WORTH PROFILE---------			
BTAX PAYOUT	02/28/2001	DISCOUNT RATE (PCT)	8.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT (DISC)	10/07/2001	GROSS OIL WELLS	.000	2.0	1276.959	35.0	-38.612
BTAX NET INCOME/INVEST	14.45	GROSS GAS WELLS	1.000	5.0	809.517	40.0	-49.153
BTAX NET INCOME/INVEST (DISC)	6.12	GROSS WELLS	2.000	8.0	516.689	45.0	-55.388
				10.0	382.736	50.0	-59.086
				12.0	282.134	60.0	-62.504
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000	15.0	174.898	70.0	-63.459
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000	18.0	102.956	80.0	-63.422
PRODUCTION START DATE	12/01/90	INITIAL NET GAS FRACTION	.201250	20.0	68.267	90.0	-62.969
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.201250	25.0	11.156	100.0	-62.354
WATER GROSS PROD. (MU)	120.943	WATER NET PRODUCTION (MU)	24.340	WATER NET REVENUES (M$)			.000

```
101 ROSA UNIT #267
102 PROPNUM 81427-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 11 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	12/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	88.	.000	.000
358	3.	6076.000	2160.000
359	3.	64975.000	3920.000
360	3.	47202.000	2800.000
361	3.	46894.000	2720.000
362	3.	43230.000	2320.000
363	3.	39014.000	2320.000
364	3.	34496.000	3680.000
365	3.	46039.000	4760.000
366	3.	34217.000	4880.000
367	3.	43536.000	5280.000
368	3.	58806.000	4640.000
369	3.	68215.000	3600.000
370	3.	83041.000	3600.000
371	3.	87216.000	3320.000
372	3.	93104.000	3640.000
373	3.	116177.000	2640.000
374	3.	127473.000	2640.000
375	3.	135748.000	2480.000
376	3.	141361.000	2560.000

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	5.000	1426.711	X	2.134	IYRS	D		
CALC	GAS	EXP	END= 5.000	1426.711	1278.787	15.134	YRS	D	2369.439	MMCF
411	GAS	EXP	18.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END= 18.000	1278.787	3.321	45.134	YRS	D	4715.335	MMCF
420	WATER	EXP	15.965	28.395	X	32.000	IYRS	D		
CALC	WATER	EXP	END= 15.965	28.395	.109	45.000	YRS	D	123.318	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9398 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1998.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	215.600	112.300	.000		
806 ! RECAV									
806	INVEST	1999.800	AD	G	100.000	109.350	.000		
807 ! CHANGE PUMP									
807	INVEST	2000.300	AD	G	20.500	6.000	.000		

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON
```

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ECONOMIC LIFE (YRS):        30.000
GROSS GAS     (MMCF):     4620.515
GROSS WATER     (MU):       120.943
```
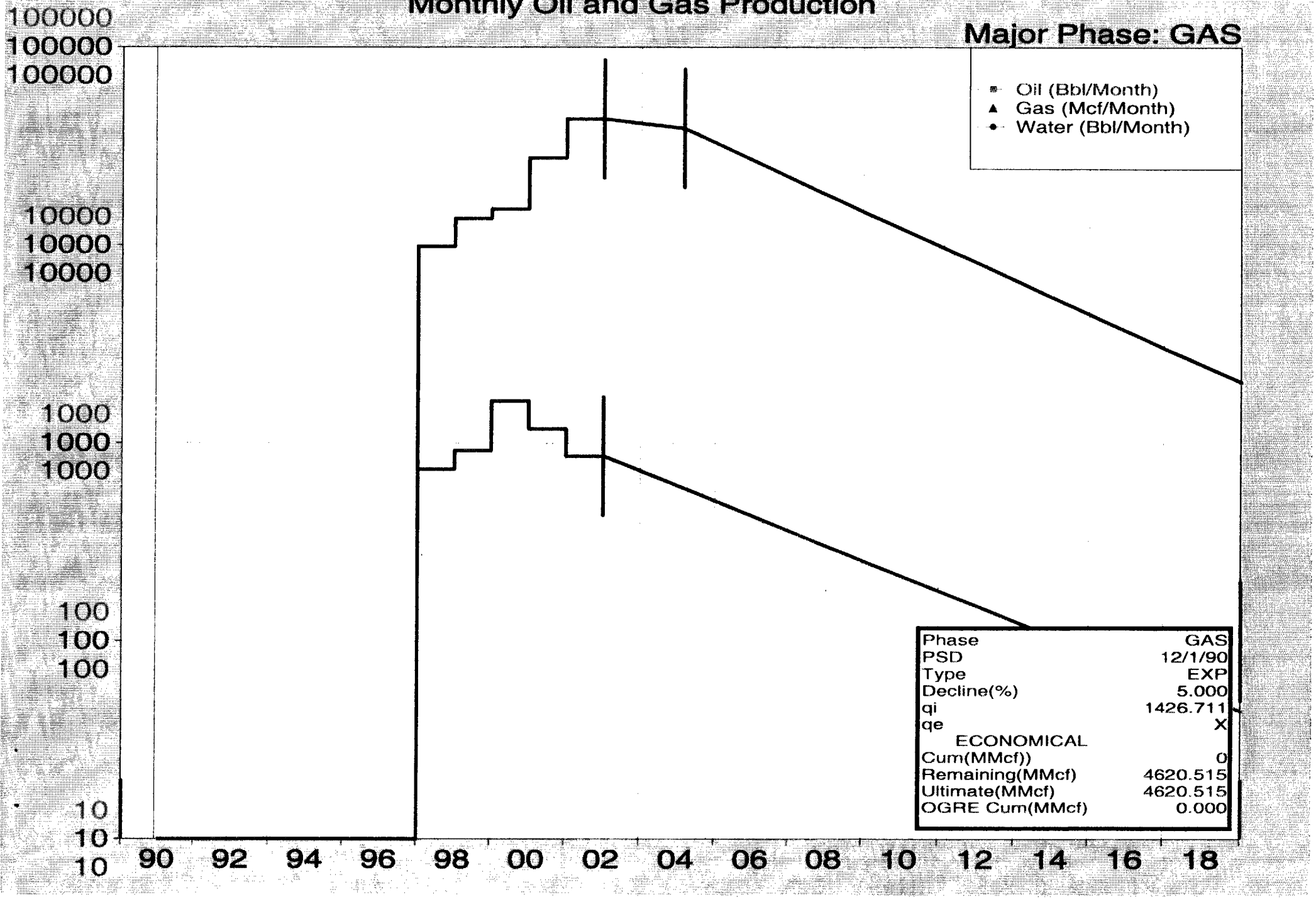

ROSA UNIT #267
31N 5W 28M
Monthly Oil and Gas Production



ROSA UNIT #268
PROPNUM 81362-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 05:47:56
FILE: FTC_COM
PROP: 54
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.45	.000	.000	.000	76.369	-76.369	-74.340
12-92	.000	.000	.000	.000	.00	1.66	.000	.000	.000	.000	.000	-74.340
12-93	.000	.000	.000	.000	.00	1.44	.000	.000	.000	.000	.000	-74.340
12-94	.000	.712	.000	.143	.00	1.04	.149	.014	.059	.000	.076	-74.283
12-95	.000	.000	.000	.000	.00	1.22	.000	.000	.000	.000	.000	-74.283
12-96	.000	.033	.000	.007	.00	1.46	.010	.001	2.967	.000	-2.958	-76.183
12-97	.000	6.187	.000	1.245	.00	2.04	2.544	.252	10.975	.000	-8.683	-81.348
12-98	.000	1.859	.000	.374	.00	1.64	.613	.061	8.250	.000	-7.698	-85.588
12-99	.000	19.545	.000	3.933	.00	1.81	7.136	.707	14.627	49.701	-57.899	-114.536
12-00	.000	201.408	.000	40.533	.00	3.11	126.022	12.489	37.325	.000	76.208	-78.551
12-01	.000	315.187	.000	63.431	.00	3.08	195.538	19.377	45.438	.000	130.723	-21.397
12-02	.000	503.476	.000	101.325	.00	3.08	312.354	30.954	58.684	.000	222.716	68.765
12-03	.000	500.880	.000	100.802	.00	3.08	310.742	30.795	57.780	.000	222.167	152.042
12-04	.000	470.205	.000	94.629	.00	3.08	291.712	28.909	54.359	.000	208.444	224.388
12-05	.000	441.410	.000	88.834	.00	3.08	273.848	27.138	51.201	.000	195.509	287.218
12-06	.000	402.630	.000	81.029	.00	3.08	249.787	24.754	47.361	.000	177.672	340.086
12-07	.000	332.871	.000	66.990	.00	3.08	206.510	20.465	41.172	.000	144.873	380.001
12-08	.000	272.954	.000	54.932	.00	3.08	169.338	16.781	35.838	.000	116.719	409.777
12-09	.000	223.823	.000	45.044	.00	3.08	138.857	13.761	31.424	.000	93.672	431.904
12-10	.000	183.535	.000	36.936	.00	3.08	113.862	11.284	27.771	.000	74.807	448.265
12-11	.000	150.498	.000	30.288	.00	3.08	93.369	9.253	24.745	.000	59.371	460.289
12-12	.000	123.409	.000	24.836	.00	3.08	76.562	7.588	22.236	.000	46.738	469.053
12-13	.000	101.195	.000	20.365	.00	3.08	62.779	6.221	20.155	.000	36.403	475.373
12-14	.000	82.980	.000	16.700	.00	3.08	51.481	5.101	18.427	.000	27.953	479.867
12-15	.000	68.043	.000	13.694	.00	3.08	42.214	4.183	16.991	.000	21.040	482.999
12-16	.000	55.796	.000	11.229	.00	3.08	34.616	3.430	15.797	.000	15.389	485.120
12-17	.000	45.752	.000	9.208	.00	3.08	28.385	2.813	14.804	.000	10.768	486.494
12-18	.000	37.517	.000	7.550	.00	3.08	23.274	2.307	13.977	.000	6.990	487.320
12-19	.000	30.764	.000	6.191	.00	3.08	19.085	1.892	13.287	.000	3.906	487.747
12-20	.000	25.227	.000	5.077	.00	3.08	15.651	1.551	12.711	.000	1.389	487.888
S TOT	.000	4597.896	.000	925.325	.00	3.08	2846.438	282.081	698.361	126.070	1739.926	487.888
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	487.888
TOTAL	.000	4597.896	.000	925.325	.00	3.08	2846.438	282.081	698.361	126.070	1739.926	487.888
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				2846.438				
ULT.	.000	4597.896		TOTAL REVENUES (M$)				2846.438				

BTAX RATE OF RETURN (PCT)	24.90	PROJECT LIFE (YEARS)	30.000		
BTAX PAYOUT	08/04/2001	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	03/26/2002	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	14.80	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	5.92	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	12/01/90	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	191.010	WATER NET PRODUCTION (MU)	38.439	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	1739.926	30.0	-29.289
2.0	1258.536	35.0	-44.765
5.0	781.954	40.0	-53.358
8.0	487.888	45.0	-58.120
10.0	355.109	50.0	-60.701
12.0	256.427	60.0	-62.581
15.0	152.583	70.0	-62.553
18.0	84.051	80.0	-61.839
20.0	51.478	90.0	-60.900
25.0	-1.088	100.0	-59.908

```
101 ROSA UNIT #268
102 PROPNUM 81362-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	12/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	37.	.000	.000
320	3.	293.000	1.000
341	3.	387.000	3.000
342	3.	32.000	1.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	33.000	1395.000
350	3.	.000	480.000
351	3.	.000	2160.000
352	3.	.000	1120.000
353	3.	9.000	1120.000
354	3.	.000	320.000
355	3.	2546.000	3440.000
356	3.	3632.000	1360.000
357	3.	800.000	1280.000
358	3.	606.000	734.000
359	3.	453.000	80.000
360	3.	.000	.000
361	3.	.000	.000
362	3.	1486.000	.000
363	3.	538.000	.000
364	3.	17521.000	5960.000
365	3.	35767.000	5240.000
366	3.	44999.000	4880.000
367	3.	57175.000	5280.000
368	3.	63467.000	5120.000
369	3.	64613.000	5280.000
370	3.	74544.000	4400.000
371	3.	81534.000	4600.000
372	3.	94496.000	4760.000
373	3.	119975.000	4200.000
374	3.	126103.000	4160.000
375	3.	123638.000	3920.000
376	3.	133760.000	4000.000

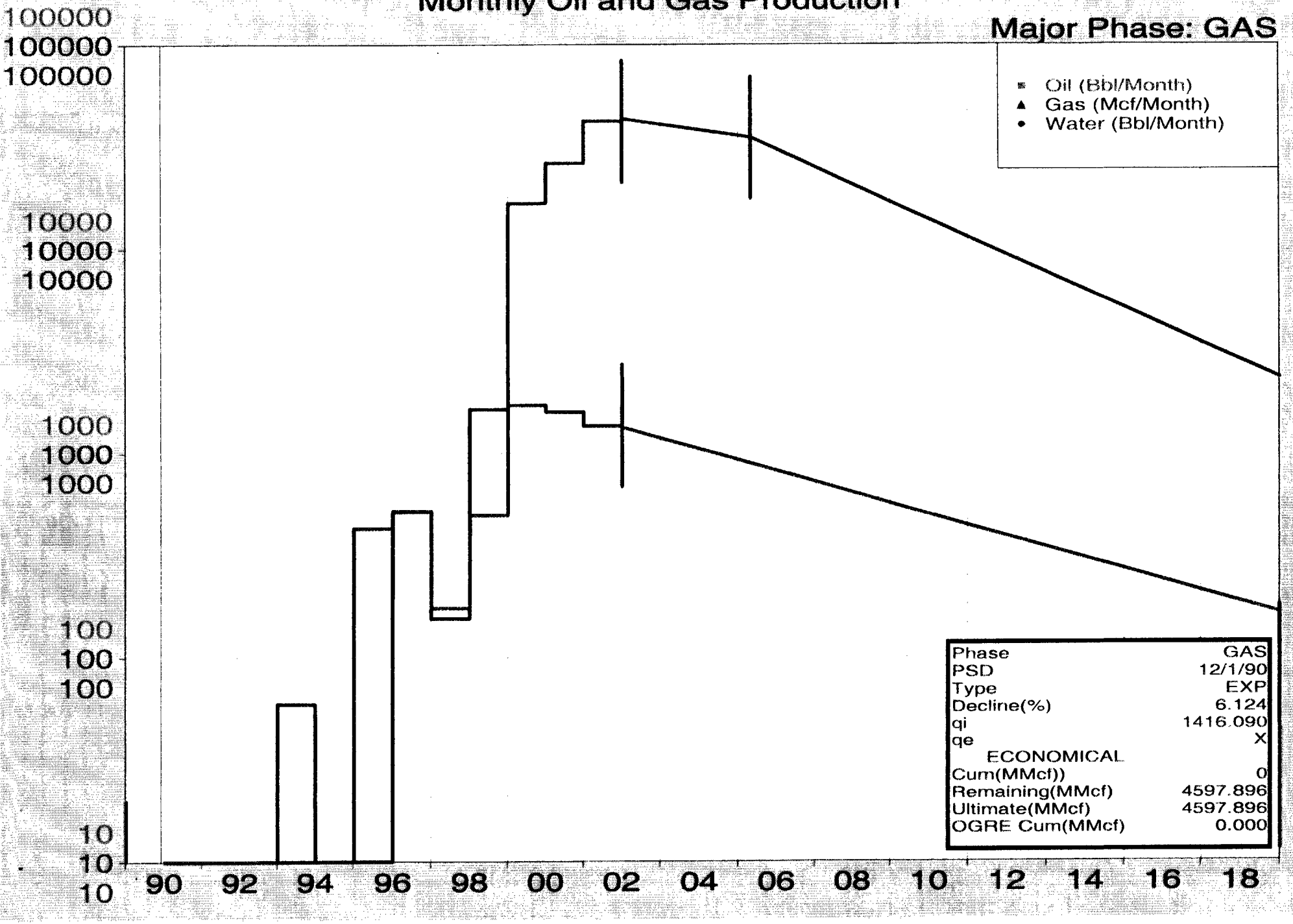
	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		6.124	1416.090	X	3.337	IYRS	D		
CALC	GAS	EXP	END=	6.124	1416.090	1146.847	16.337	YRS	D	2603.483	MMCF
411	GAS	EXP		18.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	18.000	1146.847	2.978	46.337	YRS	D	4707.339	MMCF
420	WATER	EXP		11.606	43.873	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	11.606	43.873	.748	46.000	YRS	D	202.886	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9349 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1997.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	209.640	122.400	.000		

```
806 ! RECAV
806     INVEST      1999.800    AD            G         126.090      90.000        .000

853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          30.000
GROSS GAS      (MMCF):       4597.896
GROSS WATER      (MU):         191.010
```

ROSA UNIT #268
31N 5W 33B
Monthly Oil and Gas Production



ROSA UNIT #269
PROPNUM 81363-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 08:32:09
FILE: FTC_COM
PROP: 55
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.47	.000	.000	2.760	87.612	-90.372	-87.888
12-92	.000	.624	.000	.126	.00	1.68	.212	.021	2.930	.000	-2.739	-90.282
12-93	.000	1.154	.000	.232	.00	1.45	.337	.033	4.700	.000	-4.396	-93.839
12-94	.000	.438	.000	.088	.00	1.05	.092	.009	3.301	.000	-3.218	-96.250
12-95	.000	.222	.000	.045	.00	1.24	.056	.006	6.920	.000	-6.870	-101.016
12-96	.000	.174	.000	.035	.00	1.48	.052	.005	8.800	.000	-8.753	-106.639
12-97	.000	2.350	.000	.473	.00	2.07	.977	.097	9.709	.000	-8.829	-111.891
12-98	.000	13.673	.000	2.752	.00	1.66	4.560	.452	11.347	.000	-7.239	-115.878
12-99	.000	152.185	.000	30.627	.00	1.83	56.199	5.569	28.984	55.377	-33.731	-132.863
12-00	.000	225.391	.000	45.360	.00	3.14	142.628	14.135	39.968	.000	88.525	-91.062
12-01	.000	149.863	.000	30.160	.00	3.12	94.028	9.319	32.870	.000	51.839	-68.397
12-02	.000	135.161	.000	27.201	.00	3.12	84.803	8.404	30.640	42.946	2.813	-66.861
12-03	.000	130.950	.000	26.354	.00	3.12	82.162	8.143	29.217	.000	44.802	-50.067
12-04	.000	119.486	.000	24.047	.00	3.12	74.970	7.429	27.228	.000	40.313	-36.075
12-05	.000	109.024	.000	21.941	.00	3.12	68.404	6.778	25.445	.000	36.181	-24.448
12-06	.000	99.463	.000	20.017	.00	3.12	62.406	6.185	23.846	.000	32.375	-14.814
12-07	.000	85.627	.000	17.232	.00	3.12	53.723	5.324	22.005	.000	26.394	-7.542
12-08	.000	70.215	.000	14.131	.00	3.12	44.055	4.366	20.127	.000	19.562	-2.552
12-09	.000	57.576	.000	11.587	.00	3.12	36.124	3.580	18.545	.000	13.999	.755
12-10	.000	47.212	.000	9.501	.00	3.12	29.621	2.936	17.212	.000	9.473	2.827
12-11	.000	38.715	.000	7.791	.00	3.12	24.290	2.407	16.088	.000	5.795	4.001
12-12	.000	31.745	.000	6.389	.00	3.12	19.919	1.974	15.139	.000	2.806	4.527
12-13	.000	26.032	.000	5.239	.00	3.12	16.333	1.619	14.336	.000	.378	4.593
S TOT	.000	1497.280	.000	301.328	.00	2.97	895.951	88.791	412.117	185.934	209.109	4.593
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	4.593
TOTAL	.000	1497.280	.000	301.328	.00	2.97	895.951	88.791	412.117	185.934	209.109	4.593
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			895.951					
ULT.	.000	1497.280		TOTAL REVENUES (M$)			895.951					

							PRESENT WORTH PROFILE			
							DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)		8.40	PROJECT LIFE (YEARS)		23.000		.0	209.108	30.0	-82.003
BTAX PAYOUT		07/05/2003	DISCOUNT RATE (PCT)		8.000		2.0	132.423	35.0	-83.373
BTAX PAYOUT (DISC)		10/09/2009	GROSS OIL WELLS		.000		5.0	54.198	40.0	-83.508
BTAX NET INCOME/INVEST		2.12	GROSS GAS WELLS		1.000		8.0	4.593	45.0	-82.996
BTAX NET INCOME/INVEST (DISC)		1.04	GROSS WELLS		2.000		10.0	-18.151	50.0	-82.153
							12.0	-35.149	60.0	-80.100
INITIAL W.I. FRACTION		.230000	INITIAL NET OIL FRACTION		.000000		15.0	-53.027	70.0	-77.988
FINAL W.I. FRACTION		.230000	FINAL NET OIL FRACTION		.000000		18.0	-64.672	80.0	-76.007
PRODUCTION START DATE		12/01/90	INITIAL NET GAS FRACTION		.201250		20.0	-70.071	90.0	-74.191
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION		.201250		25.0	-78.289	100.0	-72.542
WATER GROSS PROD. (MU)		190.064	WATER NET PRODUCTION (MU)		38.251		WATER NET REVENUES (M$)			.000

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101 ROSA UNIT #269
102 PROPNUM 81363-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	12/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	22.	.000	.000
320	3.	624.000	208.000
336	3.	728.000	2242.000
337	3.	264.000	496.000
338	3.	.000	296.000
339	3.	162.000	180.000
340	3.	258.000	.000
341	3.	82.000	560.000
342	3.	.000	320.000
343	3.	98.000	.000
344	3.	206.000	2.000
345	3.	8.000	1.000
346	3.	8.000	1.000
347	3.	.000	.000
348	3.	.000	720.000
349	3.	134.000	720.000
350	3.	.000	1040.000
351	3.	40.000	800.000
352	3.	458.000	1200.000
353	3.	473.000	1120.000
354	3.	943.000	1120.000
355	3.	476.000	1120.000
356	3.	439.000	1360.000
357	3.	1276.000	1680.000
358	3.	3149.000	1760.000
359	3.	8809.000	1040.000
360	3.	29163.000	1840.000
361	3.	34814.000	1680.000
362	3.	29966.000	3080.000
363	3.	58242.000	5920.000
364	3.	57430.000	5480.000
365	3.	57203.000	5200.000
366	3.	60505.000	5280.000
367	3.	50253.000	5520.000
368	3.	42743.000	4520.000
369	3.	36455.000	4800.000
370	3.	36230.000	5320.000
371	3.	34435.000	4960.000
372	3.	31866.000	4720.000
373	3.	34022.000	4240.000
374	3.	27694.000	3920.000
375	3.	41579.000	4880.000
376	3.		

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		8.755	375.454	X	3.942	IYRS	D		
CALC	GAS	EXP	END=	8.755	375.454	261.638	16.942	YRS	D	1134.650	MMCF
411	GAS	EXP		18.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	18.000	261.638	.679	46.942	YRS	D	1614.617	MMCF
420	WATER	EXP		11.792	46.258	X	32.000	IYRS	D		
CALC	WATER	EXP	END=	11.792	46.258	.835	45.000	YRS	D	221.483	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9455 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
```

805 ! 'DRILL AND COMPLETE

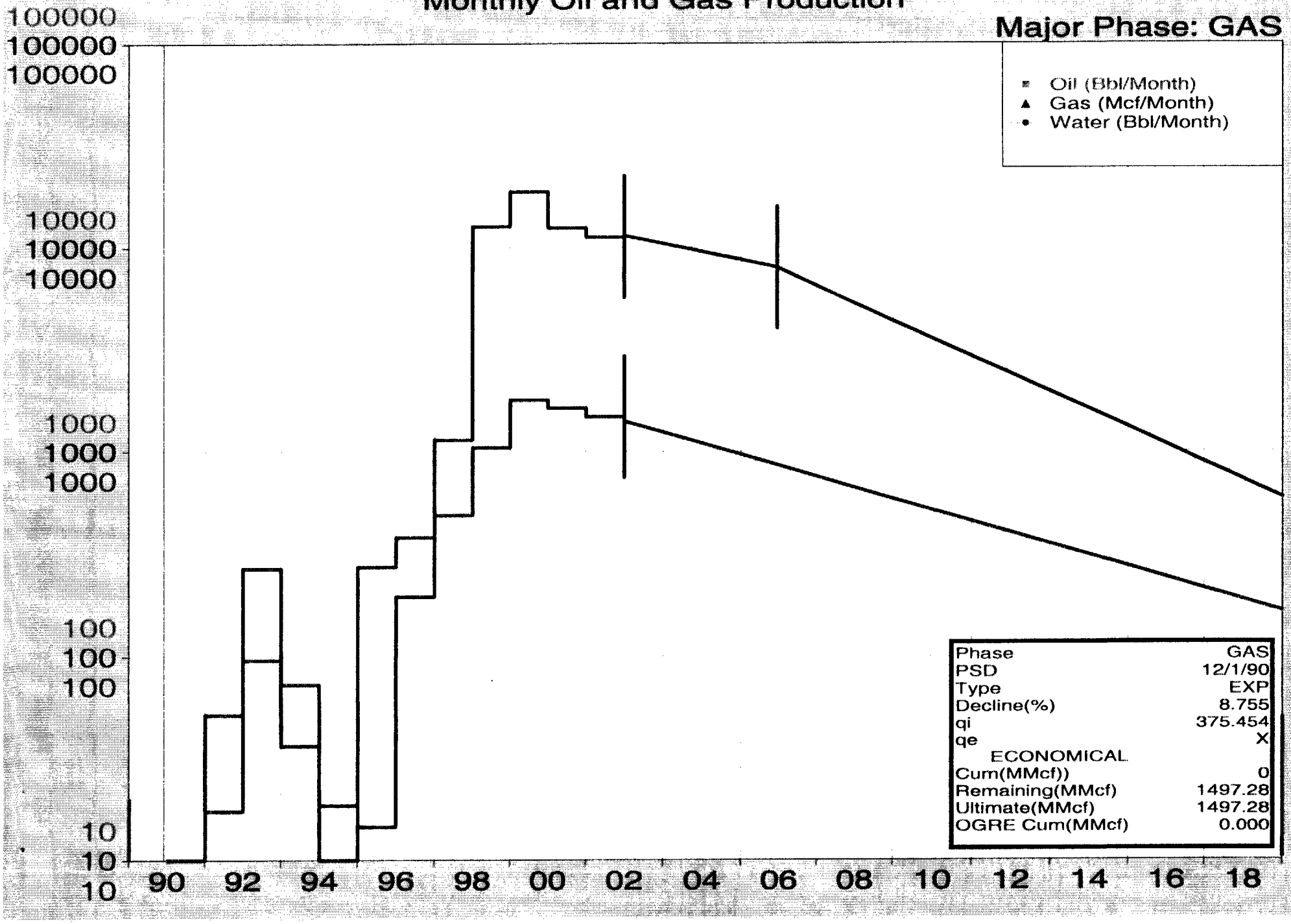
	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	197.620	183.300	.000		
806	! RECAV								
806	INVEST	1999.600	AD	G	120.000	120.770	.000		
807	! RECAV								
807	INVEST	2002.800	AD	G	100.000	86.720	.000		

853 CASE $GATHNET88
* 658 COMPUTE GASC = GASC / WI
* 659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE (YRS): 23.000
GROSS GAS (MMCF): 1497.280
GROSS WATER (MU): 190.064

ROSA UNIT #269
31N 5W 34G
Monthly Oil and Gas Production



ROSA UNIT #270
PROPNUM 81423-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 10:28:31
FILE: FTC_COM
PROP: 56
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.45	.000	.000	.000	.000	.000	.000
12-92	.000	.000	.000	.000	.00	1.67	.000	.000	.000	76.508	-76.508	-68.958
12-93	.000	.000	.000	.000	.00	1.44	.000	.000	.000	.000	.000	-68.958
12-94	.000	.400	.000	.081	.00	1.04	.084	.009	.033	.000	.042	-68.927
12-95	.000	.000	.000	.000	.00	1.23	.000	.000	.000	.000	.000	-68.927
12-96	.000	2.935	.000	.591	.00	1.46	.865	.086	10.811	.000	-10.032	-75.372
12-97	.000	5.903	.000	1.188	.00	2.05	2.430	.241	11.506	.000	-9.317	-80.914
12-98	.000	30.573	.000	6.153	.00	1.64	10.092	1.000	14.498	64.327	-69.733	-118.512
12-99	.000	213.292	.000	42.925	.00	1.82	77.974	7.728	39.559	.000	30.687	-102.863
12-00	.000	229.449	.000	46.177	.00	3.11	143.739	14.245	39.740	.000	89.754	-60.482
12-01	.000	212.280	.000	42.721	.00	3.09	131.851	13.067	37.466	.000	81.318	-24.929
12-02	.000	290.299	.000	58.423	.00	3.09	180.312	17.869	39.732	.000	122.711	24.748
12-03	.000	281.464	.000	56.645	.00	3.09	174.825	17.325	38.660	.000	118.840	69.294
12-04	.000	267.390	.000	53.812	.00	3.09	166.081	16.458	36.318	.000	113.305	108.619
12-05	.000	254.021	.000	51.122	.00	3.09	157.779	15.636	34.256	.000	107.887	143.290
12-06	.000	224.857	.000	45.252	.00	3.09	139.662	13.841	31.130	.000	94.691	171.466
12-07	.000	175.764	.000	35.373	.00	3.09	109.172	10.818	26.582	.000	71.772	191.241
12-08	.000	137.096	.000	27.591	.00	3.09	85.155	8.439	22.979	.000	53.737	204.950
12-09	.000	106.934	.000	21.520	.00	3.09	66.418	6.582	20.146	.000	39.690	214.325
12-10	.000	83.410	.000	16.786	.00	3.09	51.807	5.134	17.920	.000	28.753	220.614
12-11	.000	65.059	.000	13.093	.00	3.09	40.409	4.005	16.167	.000	20.237	224.712
12-12	.000	50.746	.000	10.213	.00	3.09	31.521	3.124	14.789	.000	13.608	227.264
12-13	.000	39.582	.000	7.966	.00	3.09	24.586	2.437	13.705	.000	8.444	228.730
12-14	.000	30.874	.000	6.213	.00	3.09	19.175	1.900	12.851	.000	4.424	229.441
12-15	.000	24.082	.000	4.847	.00	3.09	14.959	1.482	12.178	.000	1.299	229.634
S TOT	.000	2726.410	.000	548.692	.00	2.97	1628.896	161.426	491.026	140.835	835.609	229.634
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	229.634
TOTAL	.000	2726.410	.000	548.692	.00	2.97	1628.896	161.426	491.026	140.835	835.609	229.634
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			1628.896					
ULT.	.000	2726.410		TOTAL REVENUES (M$)			1628.896					

						PRESENT WORTH PROFILE			
						DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)	21.36	PROJECT LIFE (YEARS)	25.000			.0	835.609	30.0	-32.410
BTAX PAYOUT	07/21/2001	DISCOUNT RATE (PCT)	8.000			2.0	607.576	35.0	-38.850
BTAX PAYOUT (DISC)	06/30/2002	GROSS OIL WELLS	.000			5.0	376.045	40.0	-41.630
BTAX NET INCOME/INVEST	6.93	GROSS GAS WELLS	1.000			8.0	229.634	45.0	-42.421
BTAX NET INCOME/INVEST (DISC)	3.22	GROSS WELLS	2.000			10.0	162.499	50.0	-42.129
						12.0	112.182	60.0	-40.108
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000			15.0	58.922	70.0	-37.481
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000			18.0	23.757	80.0	-34.862
PRODUCTION START DATE	12/01/90	INITIAL NET GAS FRACTION	.201250			20.0	7.142	90.0	-32.441
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.201250			25.0	-19.141	100.0	-30.262
WATER GROSS PROD. (MU)	158.385	WATER NET PRODUCTION (MU)	31.874	WATER	NET REVENUES (M$)		.000		

```
101 ROSA UNIT #270
102 PROPNUM 81423-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	12/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	43.	.000	.000
320	3.	400.000	1.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	.000	1200.000
349	3.	995.000	1600.000
350	3.	900.000	2560.000
351	3.	1040.000	1040.000
352	3.	1296.000	1840.000
353	3.	1542.000	1920.000
354	3.	1577.000	1680.000
355	3.	1488.000	1760.000
356	3.	1469.000	1440.000
357	3.	3558.000	2700.000
358	3.	4808.000	2160.000
359	3.	20738.000	2720.000
360	3.	49239.000	5083.000
361	3.	50891.000	5680.000
362	3.	56608.000	5920.000
363	3.	56554.000	6060.000
364	3.	59235.000	5480.000
365	3.	62144.000	5680.000
366	3.	57512.000	4960.000
367	3.	50558.000	4720.000
368	3.	43035.000	5160.000
369	3.	51425.000	5360.000
370	3.	56898.000	4680.000
371	3.	60922.000	4040.000
372	3.	64895.000	3840.000
373	3.	69135.000	3360.000
374	3.	76874.000	2720.000
375	3.	79395.000	2560.000
376	3.		

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	5.000	791.079	X	3.140	IYRS	D		
CALC	GAS	EXP	END= 5.000	791.079	673.398	16.140	YRS	D	1822.540	MMCF
411	GAS	EXP	22.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END= 22.000	673.398	.390	46.140	YRS	D	2811.217	MMCF
420	WATER	EXP	18.103	35.746	X	33.000	IYRS	D		
CALC	WATER	EXP	END= 18.103	35.746	.049	46.000	YRS	D	163.166	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.936 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1996.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

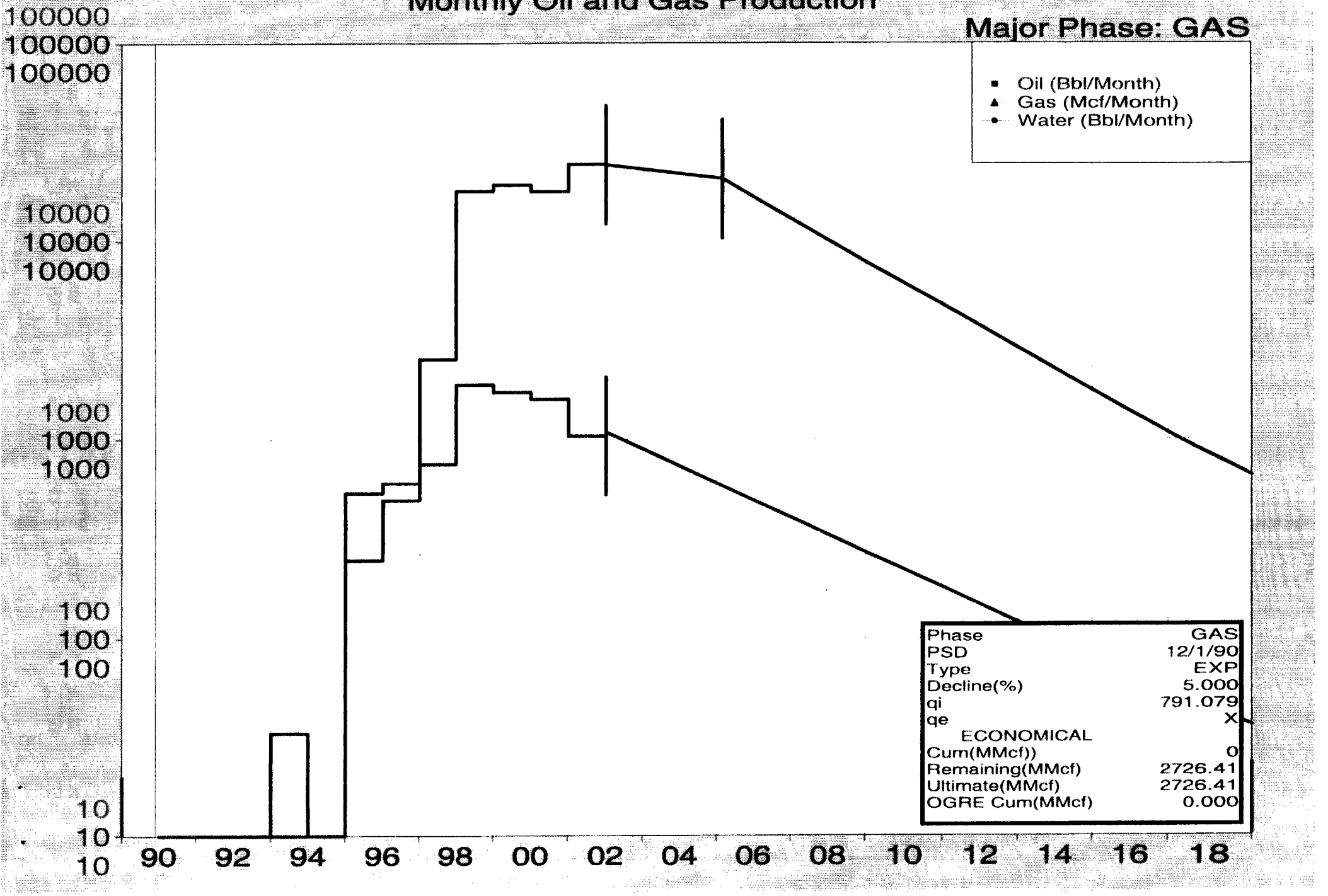
	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1992.100 AD	G	198.444	134.200	.000		
806	! RECAV							
806	INVEST	1998.800 AD	G	179.684	100.000	.000		

```
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):          25.000
   GROSS GAS      (MMCF):       2726.410
   GROSS WATER      (MU):        158.385
```

ROSA UNIT #270
31N 5W 34K
Monthly Oil and Gas Production



ROSA UNIT #27
PROPNUM 81364-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/20/03
TIME: 15:05:30
FILE: FTC_COM
PROP: 57
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.53	.000	.000	.000	324.390	-324.390	-313.750
12-92	.000	.009	.000	.008	.00	1.76	.014	.001	.911	.000	-.898	-314.530
12-93	.000	1.849	.000	1.618	.00	1.52	2.452	.243	9.454	.000	-7.245	-320.356
12-94	.000	.132	.000	.116	.00	1.10	.127	.012	1.648	.000	-1.533	-321.497
12-95	.000	.066	.000	.058	.00	1.29	.075	.008	.029	.000	.038	-321.471
12-96	.000	2.399	.000	2.099	.00	1.54	3.240	.321	27.867	.000	-24.948	-337.395
12-97	.000	.437	.000	.382	.00	2.16	.824	.082	31.758	.000	-31.016	-355.726
12-98	.000	.529	.000	.463	.00	1.73	.801	.079	28.991	.000	-28.269	-371.196
12-99	.000	28.136	.000	24.619	.00	1.92	47.158	4.673	75.774	213.980	-247.269	-496.489
12-00	.000	26.296	.000	23.009	.00	3.28	75.524	7.484	78.409	.000	-10.369	-501.354
12-01	.000	56.002	.000	49.002	.00	3.25	159.476	15.804	88.850	.000	54.822	-477.538
12-02	.000	48.050	.000	42.044	.00	3.25	136.832	13.560	83.575	.000	39.697	-461.570
12-03	.000	56.406	.000	49.355	.00	3.25	160.625	15.918	81.994	.000	62.713	-438.213
12-04	.000	77.610	.000	67.909	.00	3.25	221.009	21.902	82.134	.000	116.973	-397.874
12-05	.000	106.783	.000	93.435	.00	3.25	304.083	30.134	86.948	.000	187.001	-338.162
12-06	.000	133.316	.000	116.652	.00	3.25	379.642	37.623	92.177	.000	249.842	-264.294
12-07	.000	130.954	.000	114.585	.00	3.25	372.915	36.956	87.993	.000	247.966	-196.411
12-08	.000	127.025	.000	111.147	.00	3.25	361.726	35.847	84.040	.000	241.839	-135.110
12-09	.000	121.762	.000	106.542	.00	3.25	346.739	34.362	80.204	.000	232.173	-80.618
12-10	.000	109.436	.000	95.757	.00	3.25	311.640	30.884	74.277	.000	206.479	-35.746
12-11	.000	97.398	.000	85.223	.00	3.25	277.357	27.486	68.804	.000	181.067	.688
12-12	.000	86.684	.000	75.849	.00	3.25	246.849	24.462	64.075	.000	158.312	30.184
12-13	.000	77.149	.000	67.505	.00	3.25	219.694	21.771	59.977	.000	137.946	53.982
12-14	.000	68.662	.000	60.079	.00	3.25	195.526	19.376	56.413	.000	119.737	73.108
12-15	.000	61.110	.000	53.471	.00	3.25	174.021	17.246	53.305	.000	103.470	88.412
12-16	.000	54.387	.000	47.589	.00	3.25	154.878	15.348	50.584	.000	88.946	100.593
12-17	.000	48.405	.000	42.354	.00	3.25	137.840	13.660	48.206	.000	75.974	110.227
12-18	.000	43.081	.000	37.696	.00	3.25	122.681	12.157	46.111	.000	64.413	117.790
12-19	.000	38.341	.000	33.548	.00	3.25	109.181	10.820	44.272	.000	54.089	123.670
12-20	.000	25.962	.000	22.717	.00	3.25	73.932	7.327	32.128	.000	34.477	127.174
S TOT	.000	1628.376	.000	1424.831	.00	3.23	4596.861	455.546	1620.908	538.370	1982.037	127.174
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	127.174
TOTAL	.000	1628.376	.000	1424.831	.00	3.23	4596.861	455.546	1620.908	538.370	1982.037	127.174
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			4596.861					
ULT.	.000	1628.376		TOTAL REVENUES (M$)			4596.861					

BTAX RATE OF RETURN (PCT)	9.72	PROJECT LIFE (YEARS)	29.750		---------PRESENT WORTH PROFILE---------			
BTAX PAYOUT	11/10/2006	DISCOUNT RATE (PCT)	8.000		DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT (DISC)	12/24/2011	GROSS OIL WELLS	.000		.0	1982.037	30.0	-305.128
BTAX NET INCOME/INVEST	4.68	GROSS GAS WELLS	1.000		2.0	1194.872	35.0	-302.109
BTAX NET INCOME/INVEST (DISC)	1.30	GROSS WELLS	2.000		5.0	499.098	40.0	-296.587
					8.0	127.174	45.0	-290.419
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		10.0	-20.602	50.0	-284.344
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		12.0	-119.501	60.0	-273.364
PRODUCTION START DATE	10/01/90	INITIAL NET GAS FRACTION	.875000		15.0	-210.201	70.0	-264.040
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		18.0	-259.582	80.0	-256.062
					20.0	-278.859	90.0	-249.102
WATER GROSS PROD. (MU)	130.234	WATER NET PRODUCTION (MU)	113.958		25.0	-301.099	100.0	-242.919
					WATER NET REVENUES (M$)			.000

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101 ROSA UNIT #271
102 PROPNUM 81364-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
   120 1 90 12 09 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	24.	.000	.000
320	3.	9.000	363.000
336	3.	1346.000	2224.000
337	3.	226.000	566.000
338	3.	201.000	321.000
339	3.	76.000	403.000
340	3.	1.000	.000
341	3.	131.000	640.000
342	3.	.000	.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	46.000	1.000
346	3.	20.000	1.000
347	3.	.000	.000
348	3.	1087.000	560.000
349	3.	59.000	880.000
350	3.	1189.000	1280.000
351	3.	64.000	880.000
352	3.	219.000	1360.000
353	3.	72.000	1200.000
354	3.	80.000	1680.000
355	3.	66.000	1200.000
356	3.	112.000	1360.000
357	3.	175.000	1440.000
358	3.	91.000	800.000
359	3.	151.000	720.000
360	3.	18.000	640.000
361	3.	1398.000	720.000
362	3.	14434.000	7200.000
363	3.	12286.000	5680.000
364	3.	3953.000	1400.000
365	3.	7455.000	6720.000
366	3.	6661.000	2720.000
367	3.	8227.000	4720.000
368	3.	10449.000	4440.000
369	3.	14410.000	3840.000
370	3.	18167.000	4400.000
371	3.	12976.000	2760.000
372	3.	5265.000	3760.000
373	3.	13988.000	3920.000
374	3.	13577.000	3600.000
375	3.	15220.000	3200.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-37.590	131.190	X	3.270	IYRS	D		
CALC	GAS	EXP	END=	-37.590	131.190	372.460	16.270	YRS	D	439.873	MMCF
411	GAS	EXP		3.000	LAST	X	3.200	IYRS	D		
CALC	GAS	EXP	END=	3.000	372.460	337.870	19.470	YRS	D	854.378	MMCF
412	GAS	EXP		11.000	LAST	X	30.000	YRS	D		
CALC	GAS	EXP	END=	11.000	337.870	90.755	30.750	YRS	D	1628.376	MMCF
420	WATER	EXP		23.820	39.550	X	30.000	YRS	D		
CALC	WATER	EXP	END=	23.820	39.550	.316	30.750	YRS	D	130.234	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.987 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1996.0 AD : 1500 UNTIL 1999.0 AD THEN 2500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
```

```
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	210.390	114.000	.000		
806	! RECAV								
806	INVEST	1999.500	AD	G	113.980	100.000	.000		

```
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON
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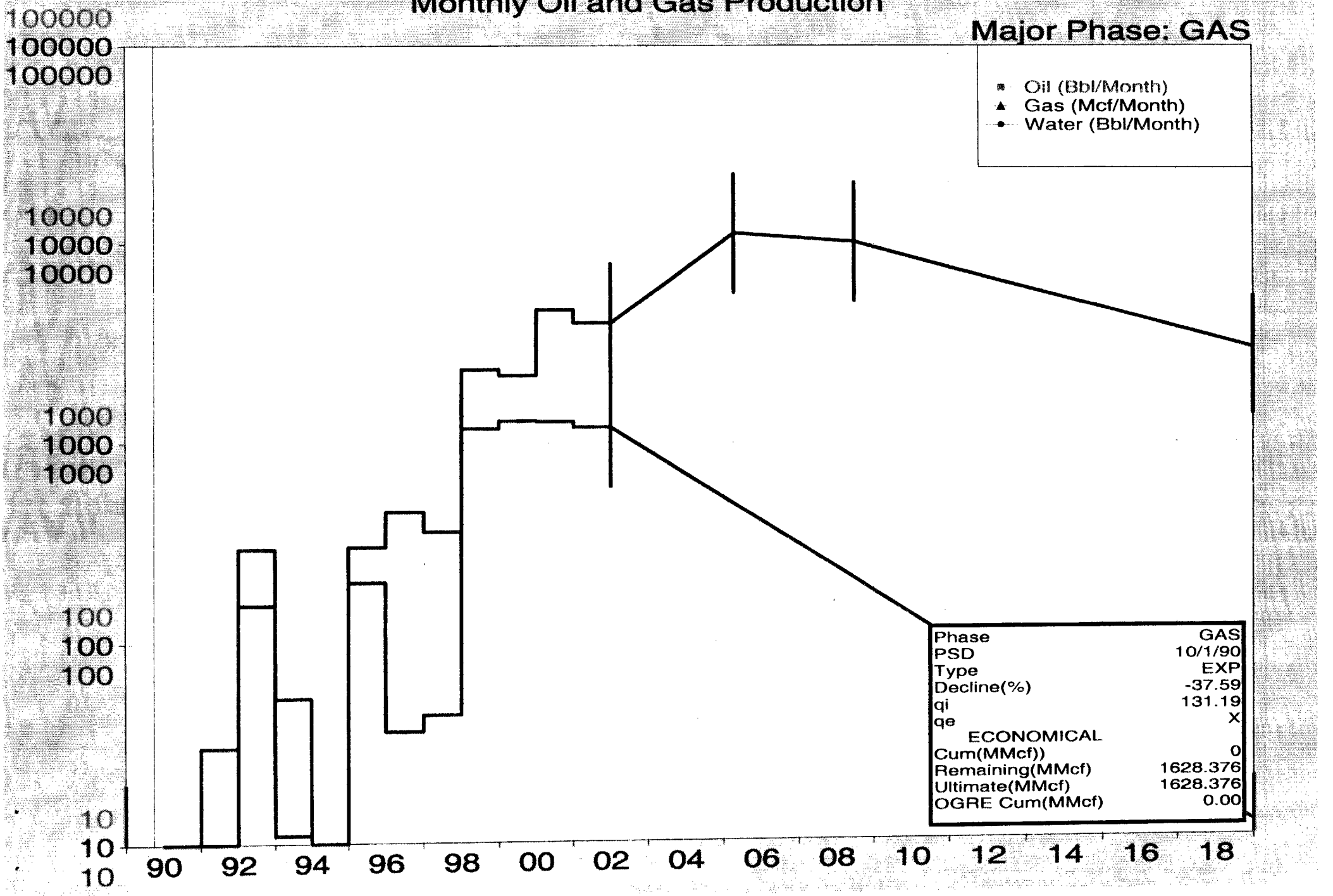
ROSA UNIT #271
31N 5W 35G
Monthly Oil and Gas Production



ROSA UNIT #272
PROPNUM 81365-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

RESERVES AND ECONOMICS

DATE: 08/15/03
TIME: 08:28:17
FILE: FTC_COM
PROP: 58
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

WILLIAMS PROD CO

AS OF JULY 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.49	.000	.000	.000	76.740	-76.740	-73.276
12-92	.000	11.897	.000	2.394	.00	1.71	4.085	.405	2.845	.000	.835	-72.560
12-93	.000	20.054	.000	4.036	.00	1.47	5.940	.589	5.695	.000	-.344	-72.833
12-94	.000	.059	.000	.012	.00	1.07	.013	.001	1.420	.000	-1.408	-73.868
12-95	.000	.001	.000	.000	.00	1.26	.000	.000	.001	.000	-.001	-73.869
12-96	.000	2.846	.000	.573	.00	1.50	.859	.085	15.824	.000	-15.050	-83.353
12-97	.000	6.985	.000	1.406	.00	2.09	2.945	.292	14.134	.000	-11.481	-90.052
12-98	.000	91.721	.000	18.459	.00	1.68	31.000	3.072	23.783	.000	4.145	-87.813
12-99	.000	125.866	.000	25.331	.00	1.86	47.115	4.669	35.074	51.814	-44.442	-110.045
12-00	.000	172.600	.000	34.736	.00	3.19	110.713	10.971	42.344	.000	57.398	-83.459
12-01	.000	128.701	.000	25.901	.00	3.16	81.852	8.112	36.017	13.717	24.006	-73.254
12-02	.000	145.553	.000	29.293	.00	3.16	92.571	9.173	37.814	.000	45.584	-55.152
12-03	.000	142.391	.000	28.656	.00	3.16	90.558	8.974	36.384	.000	45.200	-38.532
12-04	.000	128.939	.000	25.949	.00	3.16	82.004	8.126	33.456	.000	40.422	-24.770
12-05	.000	116.756	.000	23.497	.00	3.16	74.255	7.359	30.834	.000	36.062	-13.402
12-06	.000	103.672	.000	20.864	.00	3.16	65.934	6.534	28.322	.000	31.078	-4.331
12-07	.000	90.194	.000	18.152	.00	3.16	57.364	5.685	25.938	.000	25.741	2.626
12-08	.000	78.469	.000	15.792	.00	3.16	49.906	4.946	23.841	.000	21.119	7.911
12-09	.000	68.269	.000	13.739	.00	3.16	43.418	4.303	21.994	.000	17.121	11.878
12-10	.000	59.393	.000	11.953	.00	3.16	37.774	3.744	20.366	.000	13.664	14.810
12-11	.000	51.672	.000	10.399	.00	3.16	32.863	3.257	18.935	.000	10.671	16.930
12-12	.000	44.955	.000	9.047	.00	3.16	28.590	2.833	17.673	.000	8.084	18.417
12-13	.000	39.111	.000	7.871	.00	3.16	24.874	2.465	16.562	.000	5.847	19.413
12-14	.000	34.026	.000	6.848	.00	3.16	21.641	2.145	15.583	.000	3.913	20.030
12-15	.000	29.603	.000	5.958	.00	3.16	18.828	1.866	14.721	.000	2.241	20.357
12-16	.000	25.755	.000	5.183	.00	3.16	16.379	1.623	13.961	.000	.795	20.464
S TOT	.000	1719.488	.000	346.049	.00	2.95	1021.481	101.229	533.521	142.271	244.460	20.464
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	20.464
TOTAL	.000	1719.488	.000	346.049	.00	2.95	1021.481	101.229	533.521	142.271	244.460	20.464
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			1021.481					
ULT.	.000	1719.488		TOTAL REVENUES (M$)			1021.481					

BTAX RATE OF RETURN (PCT)	9.77	PROJECT LIFE (YEARS)	26.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT	05/20/2003	DISCOUNT RATE (PCT)	8.000	.0	244.460	30.0	-62.471
BTAX PAYOUT (DISC)	08/15/2007	GROSS OIL WELLS	.000	2.0	158.006	35.0	-63.189
BTAX NET INCOME/INVEST	2.72	GROSS GAS WELLS	1.000	5.0	72.617	40.0	-62.873
BTAX NET INCOME/INVEST (DISC)	1.19	GROSS WELLS	2.000	8.0	20.464	45.0	-62.052
				10.0	-2.718	50.0	-60.999
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000	12.0	-19.644	60.0	-58.697
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000	15.0	-36.934	70.0	-56.462
PRODUCTION START DATE	8/01/90	INITIAL NET GAS FRACTION	.201250	18.0	-47.783	80.0	-54.406
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.201250	20.0	-52.649	90.0	-52.548
				25.0	-59.668	100.0	-50.861
WATER GROSS PROD. (MU)	405.557	WATER NET PRODUCTION (MU)	81.618	WATER	NET REVENUES (M$)		.000

```
101 ROSA UNIT #272
102 PROPNUM 81365-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 07 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	8/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	20.	.000	.000
320	3.	226.000	1.000
334	3.	700.000	3.000
335	3.	10971.000	3273.000
336	3.	2851.000	2579.000
337	3.	3485.000	2069.000
338	3.	.000	475.000
339	3.	13718.000	1964.000
340	3.	.000	.000
341	3.	45.000	.000
342	3.	.000	.000
343	3.	14.000	2460.000
344	3.	.000	.000
345	3.	1.000	1.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	52.000	3360.000
349	3.	337.000	5040.000
350	3.	1153.000	8160.000
351	3.	1304.000	3360.000
352	3.	1357.000	4240.000
353	3.	1902.000	4640.000
354	3.	2283.000	4160.000
355	3.	1443.000	3360.000
356	3.	2029.000	3520.000
357	3.	6084.000	4880.000
358	3.	57009.000	6480.000
359	3.	26599.000	6400.000
360	3.	24856.000	6320.000
361	3.	24777.000	7200.000
362	3.	26580.000	6400.000
363	3.	49653.000	9000.000
364	3.	46232.000	9160.000
365	3.	46253.000	9840.000
366	3.	39862.000	7680.000
367	3.	40253.000	8320.000
368	3.	40186.000	8801.000
369	3.	30792.000	6240.000
370	3.	21936.000	6880.000
371	3.	35787.000	8240.000
372	3.	35930.000	7440.000
373	3.	31510.000	6160.000
374	3.	32084.000	7960.000
375	3.	46029.000	9360.000
376	3.		

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		9.448	409.792	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	9.448	409.792	304.269	16.000	YRS	D	1094.369	MMCF
411	GAS	EXP		13.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	13.000	304.269	4.665	46.000	YRS	D	1879.618	MMCF
420	WATER	EXP		11.094	83.863	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	11.094	83.863	1.731	46.000	YRS	D	450.363	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9584 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1996.0 AD : 1500 UNTIL 1999.0 AD THEN 3000 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
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```
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

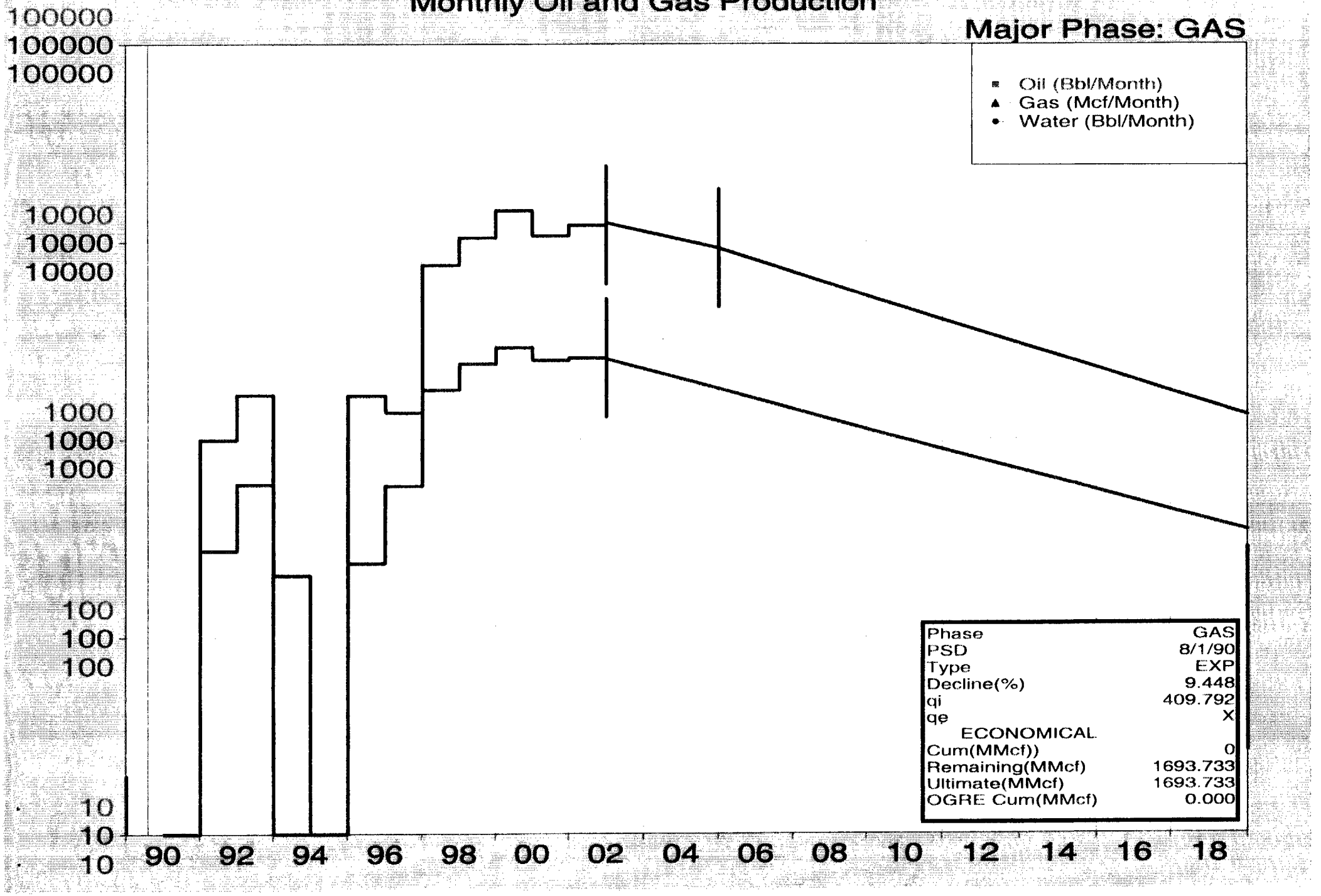
	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	221.650	112.000	.000		
806	! RECAV								
806	INVEST	1999.500	AD	G	125.280	100.000	.000		
807	! CHANGE PUMP								
807	INVEST	2001.300	AD	G	53.640	6.000	.000		

```
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON

   ECONOMIC LIFE  (YRS):        26.000
   GROSS GAS     (MMCF):      1719.488
   GROSS WATER     (MU):       405.557
```

ROSA UNIT #272
31N 5W 35L
Monthly Oil and Gas Production



ROSA UNIT #273
PROPNUM 81366-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
SAN JUAN COUNTY ,NM

DATE: 08/15/03
TIME: 08:57:44
FILE: FTC_COM
PROP: 59
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.45	.000	.000	2.760	73.218	-75.978	-73.877
12-92	.000	.000	.000	.000	.00	1.67	.000	.000	2.760	.000	-2.760	-76.289
12-93	.000	90.790	.000	18.271	.00	1.44	26.248	2.601	16.322	.000	7.325	-70.361
12-94	.000	217.861	.000	43.845	.00	1.04	45.598	4.519	30.197	.000	10.882	-62.207
12-95	.000	182.939	.000	36.816	.00	1.23	45.102	4.469	31.585	.000	9.048	-55.929
12-96	.000	81.041	.000	16.310	.00	1.46	23.862	2.365	18.737	.000	2.760	-54.156
12-97	.000	359.103	.000	72.269	.00	2.04	147.768	14.644	43.868	.000	89.256	-1.064
12-98	.000	476.322	.000	95.860	.00	1.64	157.142	15.573	48.039	.000	93.530	50.449
12-99	.000	389.175	.000	78.321	.00	1.82	142.196	14.092	45.030	53.576	29.498	65.909
12-00	.000	506.657	.000	101.965	.00	3.11	317.224	31.437	52.486	.000	233.301	176.072
12-01	.000	516.569	.000	103.960	.00	3.08	320.682	31.779	52.341	.000	236.562	279.500
12-02	.000	551.684	.000	111.026	.00	3.08	342.479	33.940	54.252	.000	254.287	382.443
12-03	.000	522.958	.000	105.245	.00	3.08	324.646	32.172	51.845	.000	240.629	472.641
12-04	.000	496.809	.000	99.983	.00	3.08	308.415	30.564	49.550	.000	228.301	551.879
12-05	.000	470.133	.000	94.614	.00	3.08	291.853	28.923	47.271	.000	215.659	621.184
12-06	.000	406.055	.000	81.719	.00	3.08	252.076	24.981	42.086	.000	185.009	676.235
12-07	.000	337.027	.000	67.827	.00	3.08	209.224	20.734	36.543	.000	151.947	718.099
12-08	.000	279.731	.000	56.296	.00	3.08	173.655	17.209	31.950	.000	124.496	749.859
12-09	.000	232.177	.000	46.726	.00	3.08	144.134	14.284	28.143	.000	101.707	773.884
12-10	.000	192.708	.000	38.782	.00	3.08	119.630	11.856	24.988	.000	82.786	791.991
12-11	.000	159.947	.000	32.189	.00	3.08	99.292	9.840	22.372	.000	67.080	805.576
12-12	.000	132.756	.000	26.717	.00	3.08	82.413	8.167	20.204	.000	54.042	815.710
12-13	.000	110.187	.000	22.175	.00	3.08	68.403	6.778	18.406	.000	43.219	823.214
12-14	.000	91.456	.000	18.406	.00	3.08	56.776	5.627	16.914	.000	34.235	828.718
12-15	.000	75.908	.000	15.276	.00	3.08	47.121	4.670	15.678	.000	26.773	832.703
12-16	.000	63.003	.000	12.679	.00	3.08	39.111	3.876	14.652	.000	20.583	835.540
12-17	.000	52.294	.000	10.524	.00	3.08	32.463	3.217	13.802	.000	15.444	837.511
12-18	.000	43.403	.000	8.735	.00	3.08	26.945	2.670	13.096	.000	11.179	838.832
12-19	.000	36.025	.000	7.250	.00	3.08	22.364	2.217	12.511	.000	7.636	839.667
12-20	.000	29.900	.000	6.017	.00	3.08	18.560	1.839	12.026	.000	4.695	840.143
12-21	.000	24.817	.000	4.994	.00	3.08	15.405	1.526	11.622	.000	2.257	840.355
12-22	.000	20.599	.000	4.146	.00	3.08	12.789	1.267	11.289	.000	.233	840.375
S TOT	.000	7150.034	.000	1438.943	.00	2.72	3913.576	387.836	893.325	126.794	2505.621	840.375
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	840.375
TOTAL	.000	7150.034	.000	1438.943	.00	2.72	3913.576	387.836	893.325	126.794	2505.621	840.375
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				3913.576				
ULT.	.000	7150.034		TOTAL REVENUES (M$)				3913.576				

BTAX RATE OF RETURN (PCT)	36.86	PROJECT LIFE (YEARS)	32.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT	02/21/1998	DISCOUNT RATE (PCT)	8.000	2.0	1879.194	35.0	7.957
BTAX PAYOUT (DISC)	07/16/1998	GROSS OIL WELLS	.000	5.0	1244.798	40.0	-13.439
BTAX NET INCOME/INVEST	20.76	GROSS GAS WELLS	1.000	8.0	840.375	45.0	-27.372
BTAX NET INCOME/INVEST (DISC)	9.56	GROSS WELLS	2.000	10.0	651.919	50.0	-36.631
				12.0	508.029	60.0	-47.169
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000	15.0	351.150	70.0	-52.144
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000	18.0	242.614	80.0	-54.470
PRODUCTION START DATE	11/01/90	INITIAL NET GAS FRACTION	.201250	20.0	188.771	90.0	-55.456
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.201250	25.0	96.466	100.0	-55.728

WATER GROSS PROD. (MU)	102.985	WATER NET PRODUCTION (MU)	20.725	WATER NET REVENUES (M$)	.000

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101 ROSA UNIT #273
102 PROPNUM 81366-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 SAN JUAN COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	29.	.000	.000
320	3.	24201.000	2388.000
338	3.	43885.000	5983.000
339	3.	22704.000	2768.000
340	3.	33793.000	5230.000
341	3.	22696.000	5256.000
342	3.	90193.000	3482.000
343	3.	71179.000	3880.000
344	3.	54558.000	4177.000
345	3.	47907.000	4839.000
346	3.	53274.000	5559.000
347	3.	27200.000	3275.000
348	3.	10162.000	276.000
349	3.	14544.000	2235.000
350	3.	33575.000	4805.000
351	3.	22760.000	2160.000
352	3.	47727.000	5520.000
353	3.	102992.000	3620.000
354	3.	100993.000	2660.000
355	3.	107391.000	3260.000
356	3.	120901.000	2720.000
357	3.	127941.000	880.000
358	3.	111696.000	1800.000
359	3.	115784.000	845.000
360	3.	109681.000	2000.000
361	3.	92682.000	1440.000
362	3.	89431.000	2000.000
363	3.	97381.000	2720.000
364	3.	145111.000	1040.000
365	3.	114053.000	1800.000
366	3.	120390.000	1260.000
367	3.	127103.000	920.000
368	3.	124455.000	1050.000
369	3.	129386.000	980.000
370	3.	129141.000	820.000
371	3.	133587.000	560.000
372	3.	134734.000	880.000
373	3.	133935.000	640.000
374	3.	129083.000	240.000
375	3.	153932.000	160.000
376	3.	153932.000	160.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		5.000	1469.820	X	2.756	IYRS	D		
CALC	GAS	EXP	END=	5.000	1469.820	1276.058	15.756	YRS	D	4750.940	MMCF
411	GAS	EXP		17.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	17.000	1276.058	4.767	45.756	YRS	D	7241.266	MMCF
420	WATER	EXP		24.284	5.246	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	24.284	5.246	.001	46.000	YRS	D	103.011	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9355 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100 AD	G	202.090	116.250	.000		
806	! RECAV							
806	INVEST	1999.700 AD	G	132.940	100.000	.000		

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853 CASE $GATHNET88
658 COMPUTE GASC = GASC / WI
659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON
```
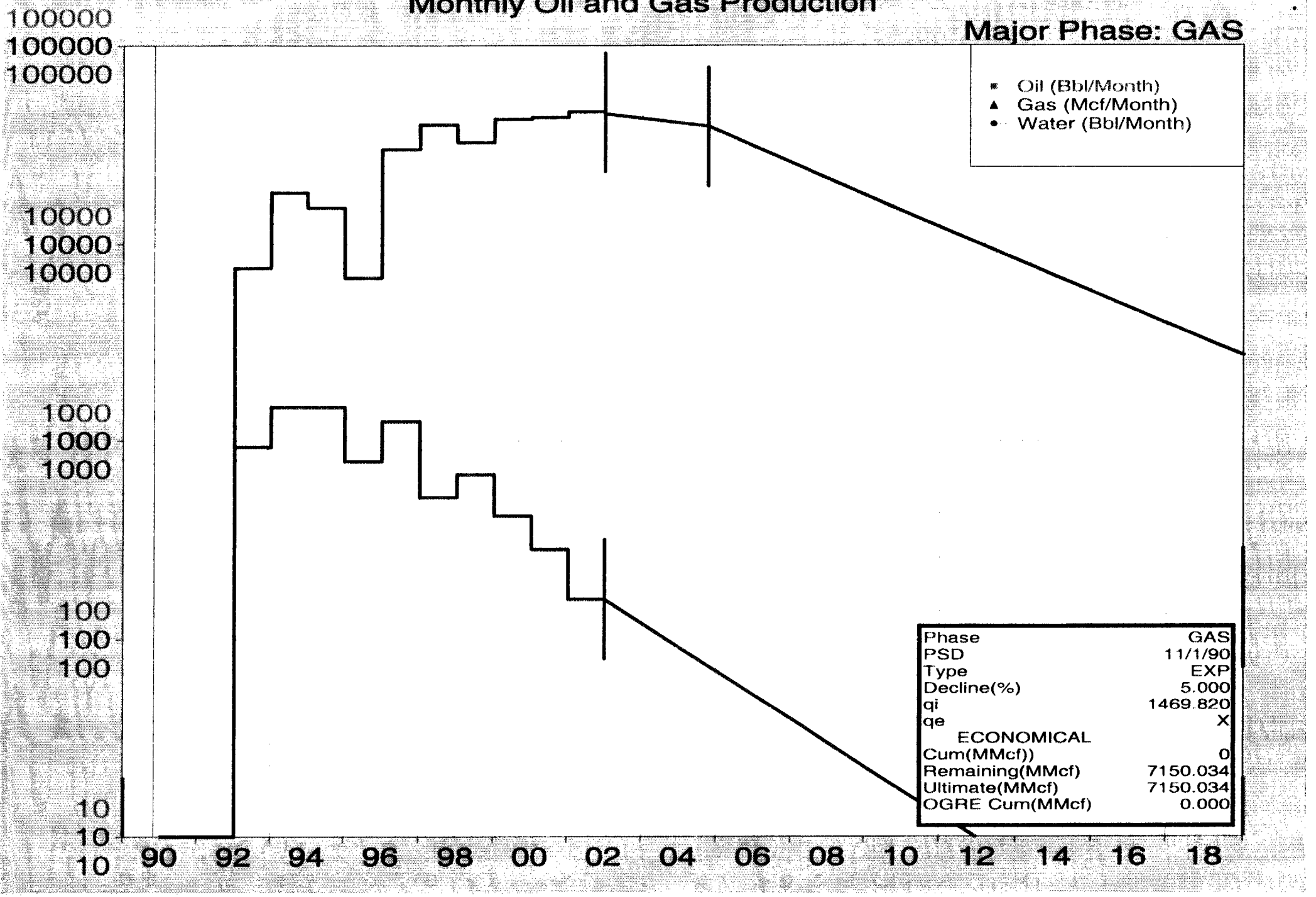

ECONOMIC LIFE	(YRS):	32.000
GROSS GAS	(MMCF):	7150.034
GROSS WATER	(MU):	102.985

ROSA UNIT #273
31N 6W 8L
Monthly Oil and Gas Production



FSA UNIT #274
PROPNUM 81428-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
SAN JUAN COUNTY ,NM

DATE: 08/15/03
TIME: 10:33:37
FILE: FTC_COM
PROP: 60
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.51	.000	.000	.000	112.042	-112.042	-109.065
12-92	.000	.000	.000	.000	.00	1.72	.000	.000	.000	.000	.000	-109.065
12-93	.000	.000	.000	.000	.00	1.49	.000	.000	.000	.000	.000	-109.065
12-94	.000	1.107	.000	.252	.00	1.08	.271	.026	7.096	.000	-6.851	-114.199
12-95	.000	2.124	.000	.483	.00	1.27	.613	.061	9.476	.000	-8.924	-120.391
12-96	.000	3.948	.000	.898	.00	1.51	1.360	.134	23.154	.000	-21.928	-134.478
12-97	.000	13.469	.000	3.064	.00	2.12	6.487	.643	26.419	.000	-20.575	-146.717
12-98	.000	96.046	.000	21.848	.00	1.70	37.086	3.675	29.280	.000	4.131	-144.442
12-99	.000	53.002	.000	12.056	.00	1.88	22.665	2.246	30.109	54.135	-63.825	-176.991
12-00	.000	42.886	.000	9.755	.00	3.22	31.426	3.114	30.998	.000	-2.686	-178.259
12-01	.000	132.384	.000	30.113	.00	3.19	96.185	9.532	40.996	.000	45.657	-158.297
12-02	.000	204.824	.000	46.591	.00	3.19	148.818	14.748	47.278	.000	86.792	-123.161
12-03	.000	200.942	.000	45.708	.00	3.19	145.998	14.469	45.665	.000	85.864	-90.976
12-04	.000	189.171	.000	43.031	.00	3.19	137.447	13.621	42.801	.000	81.025	-62.854
12-05	.000	173.818	.000	39.538	.00	3.19	126.290	12.515	39.818	.000	73.957	-39.087
12-06	.000	144.185	.000	32.798	.00	3.19	104.762	10.382	35.705	.000	58.675	-21.628
12-07	.000	118.232	.000	26.894	.00	3.19	85.903	8.513	32.096	.000	45.294	-9.149
12-08	.000	96.951	.000	22.053	.00	3.19	70.440	6.981	29.064	.000	34.395	-.374
12-09	.000	79.499	.000	18.084	.00	3.19	57.763	5.725	26.512	.000	25.526	5.656
12-10	.000	65.189	.000	14.829	.00	3.19	47.366	4.694	24.362	.000	18.310	9.661
12-11	.000	53.455	.000	12.159	.00	3.19	38.838	3.848	22.550	.000	12.440	12.180
12-12	.000	43.834	.000	9.971	.00	3.19	31.849	3.156	21.019	.000	7.674	13.619
12-13	.000	35.943	.000	8.176	.00	3.19	26.115	2.588	19.725	.000	3.802	14.279
12-14	.000	29.474	.000	6.704	.00	3.19	21.414	2.122	18.630	.000	.662	14.385
S TOT	.000	1780.483	.000	405.005	.00	3.06	1239.096	122.793	602.753	166.178	347.372	14.385
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	14.385
TOTAL	.000	1780.483	.000	405.005	.00	3.06	1239.096	122.793	602.753	166.178	347.372	14.385
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			1239.096					
ULT.	.000	1780.483		TOTAL REVENUES (M$)			1239.096					

BTAX RATE OF RETURN (PCT)	8.83	PROJECT LIFE (YEARS)	24.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT	03/05/2004	DISCOUNT RATE (PCT)	8.000	2.0	219.383	35.0	-106.622
BTAX PAYOUT (DISC)	01/23/2009	GROSS OIL WELLS	.000	5.0	92.222	40.0	-105.778
BTAX NET INCOME/INVEST	3.09	GROSS GAS WELLS	1.000	8.0	14.385	45.0	-104.339
BTAX NET INCOME/INVEST (DISC)	1.11	GROSS WELLS	2.000	10.0	-20.126	50.0	-102.687
				12.0	-45.204	60.0	-99.357
INITIAL W.I. FRACTION	.291390	INITIAL NET OIL FRACTION	.000000	15.0	-70.587	70.0	-96.347
FINAL W.I. FRACTION	.291390	FINAL NET OIL FRACTION	.000000	18.0	-86.249	80.0	-93.723
PRODUCTION START DATE	11/01/90	INITIAL NET GAS FRACTION	.227470	20.0	-93.128	90.0	-91.427
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.227470	25.0	-102.692	100.0	-89.405
WATER GROSS PROD. (MU)	285.130	WATER NET PRODUCTION (MU)	64.860	WATER NET REVENUES (M$)			.000

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101 ROSA UNIT #274
102 PROPNUM 81428-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 SAN JUAN COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.29139000	.00	3500.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.22747000	3.650	9.000	1.0	
224	WATER	.000	.22747000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	47.	.000	.000
320	3.	1107.000	2.000
344	3.	1484.000	.000
345	3.	585.000	2470.000
346	3.	8.000	349.000
347	3.	47.000	320.000
348	3.	283.000	6725.000
349	3.	936.000	6800.000
350	3.	2162.000	5200.000
351	3.	567.000	2960.000
352	3.	1693.000	8800.000
353	3.	2834.000	5520.000
354	3.	1789.000	4000.000
355	3.	7153.000	6640.000
356	3.	11618.000	6000.000
357	3.	37649.000	4000.000
358	3.	25211.000	5230.000
359	3.	21568.000	3200.000
360	3.	19926.000	4640.000
361	3.	14319.000	4720.000
362	3.	13042.000	4320.000
363	3.	5715.000	4140.000
364	3.	8801.000	5540.000
365	3.	8650.000	4980.000
366	3.	11810.000	5220.000
367	3.	13625.000	4580.000
368	3.	25479.000	4880.000
369	3.	32870.000	7270.000
370	3.	35801.000	5040.000
371	3.	38234.000	5520.000
372	3.	44152.000	5360.000
373	3.	47062.000	5840.000
374	3.	59206.000	6160.000
375	3.	54404.000	4800.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT	(M OR Y)	CALC VALUE	
410	GAS	EXP		5.858	567.310	X	2.397 IYRS	D		
CALC	GAS	EXP	END=	5.858	567.310	490.884	15.397 YRS	D	1011.894	MMCF
411	GAS	EXP		18.000	LAST	X	30.370 IYRS	D		
CALC	GAS	EXP	END=	18.000	490.884	1.184	45.767 YRS	D	1912.572	MMCF
420	WATER	EXP		11.947	59.630	X	32.000 IYRS	D		
CALC	WATER	EXP	END=	11.947	59.630	1.017	45.000 YRS	D	319.375	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9687 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1994.0 AD : 2000 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

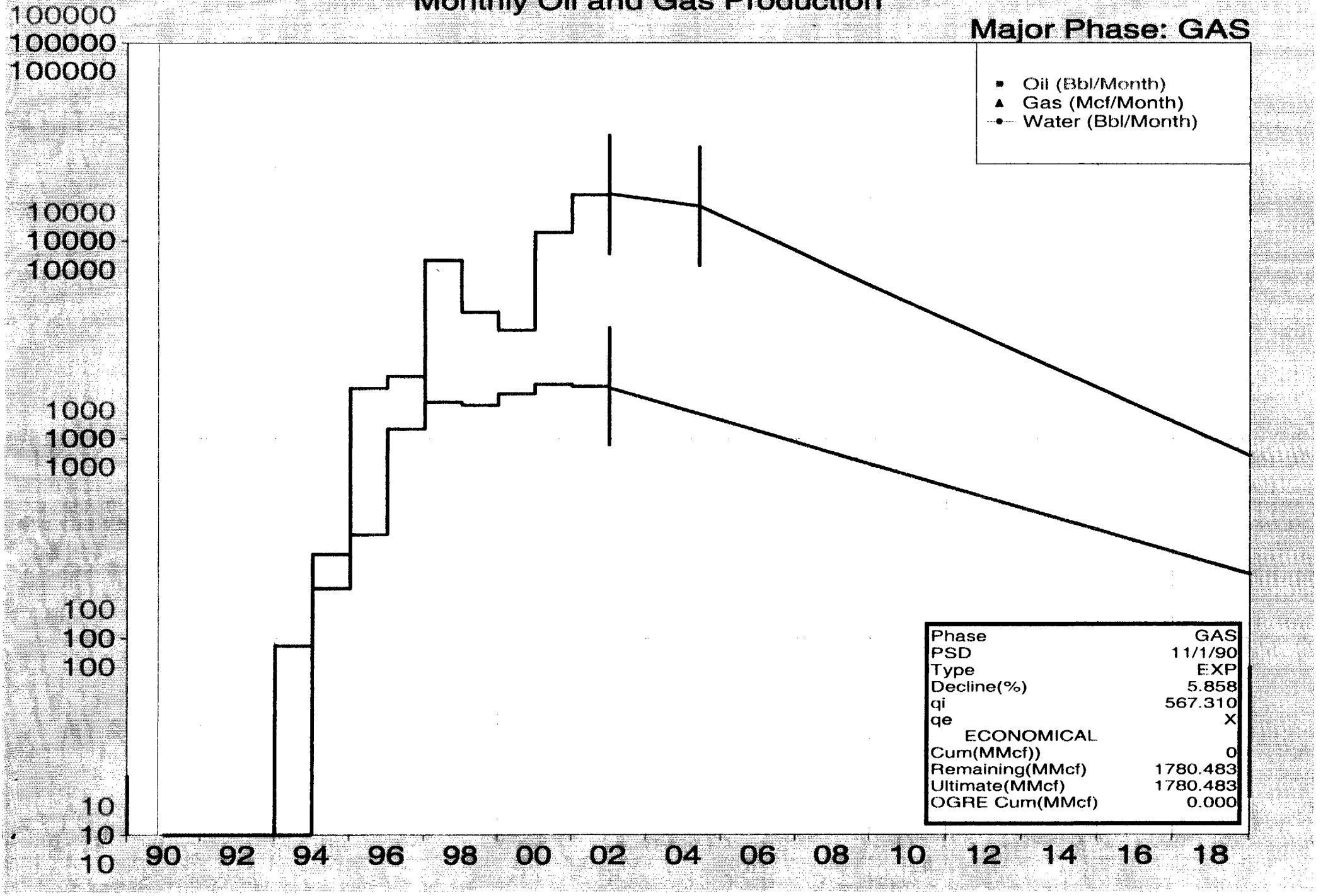
	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	246.310	138.200	.000		
806	! RECAV								
806	INVEST	1999.500	AD	G	85.783	100.000	.000		

```
  853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

  855 NOLOSS = ON

  ECONOMIC LIFE  (YRS):          24.000
  GROSS GAS      (MMCF):       1780.483
  GROSS WATER      (MU):        285.130
```

ROSA UNIT #274
31N 6W 16B
Monthly Oil and Gas Production



ROSA UNIT #276
PROPNUM 81194-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
SAN JUAN COUNTY ,NM

DATE: 08/15/03
TIME: 10:35:47
FILE: FTC_COM
PROP: 61
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JULY 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.50	.000	.000	2.760	98.008	-100.768	-96.141
12-92	.000	.000	.000	.000	.00	1.72	.000	.000	2.760	.000	-2.760	-98.507
12-93	.000	.000	.000	.000	.00	1.48	.000	.000	2.760	.000	-2.760	-100.698
12-94	.000	1.994	.000	.401	.00	1.07	.431	.043	2.923	.000	-2.535	-102.561
12-95	.000	3.668	.000	.738	.00	1.27	.934	.093	9.931	.000	-9.090	-108.748
12-96	.000	22.196	.000	4.467	.00	1.51	6.753	.669	25.611	.000	-19.527	-121.053
12-97	.000	66.359	.000	13.355	.00	2.11	28.215	2.796	28.100	56.713	-59.394	-155.709
12-98	.000	101.339	.000	20.394	.00	1.69	34.543	3.423	27.419	.000	3.701	-153.709
12-99	.000	140.576	.000	28.291	.00	1.88	53.071	5.259	33.737	.000	14.075	-146.668
12-00	.000	168.665	.000	33.944	.00	3.21	109.114	10.813	34.783	.000	63.518	-117.247
12-01	.000	336.932	.000	67.808	.00	3.19	216.119	21.418	41.577	.000	153.124	-51.575
12-02	.000	509.866	.000	102.611	.00	3.19	327.044	32.410	53.258	.000	241.376	44.279
12-03	.000	522.321	.000	105.117	.00	3.19	335.031	33.202	54.014	.000	247.815	135.400
12-04	.000	496.204	.000	99.861	.00	3.19	318.279	31.541	51.417	.000	235.321	215.518
12-05	.000	471.395	.000	94.868	.00	3.19	302.365	29.965	49.050	.000	223.350	285.927
12-06	.000	422.162	.000	84.960	.00	3.19	270.786	26.835	44.782	.000	199.169	344.063
12-07	.000	338.533	.000	68.130	.00	3.19	217.145	21.519	37.779	.000	157.847	386.724
12-08	.000	270.826	.000	54.504	.00	3.19	173.716	17.215	32.124	.000	124.377	417.849
12-09	.000	216.661	.000	43.603	.00	3.19	138.972	13.772	27.607	.000	97.593	440.462
12-10	.000	173.329	.000	34.882	.00	3.19	111.177	11.018	24.000	.000	76.159	456.802
12-11	.000	138.663	.000	27.906	.00	3.19	88.943	8.814	21.119	.000	59.010	468.525
12-12	.000	110.931	.000	22.325	.00	3.19	71.155	7.052	18.817	.000	45.286	476.855
12-13	.000	88.744	.000	17.860	.00	3.19	56.924	5.641	16.978	.000	34.305	482.698
12-14	.000	70.995	.000	14.288	.00	3.19	45.539	4.513	15.509	.000	25.517	486.722
12-15	.000	56.797	.000	11.430	.00	3.19	36.430	3.611	14.335	.000	18.484	489.421
12-16	.000	45.437	.000	9.144	.00	3.19	29.144	2.888	13.398	.000	12.858	491.159
12-17	.000	36.350	.000	7.315	.00	3.19	23.315	2.310	12.649	.000	8.356	492.205
12-18	.000	29.079	.000	5.852	.00	3.19	18.652	1.849	12.048	.000	4.755	492.756
12-19	.000	23.264	.000	4.682	.00	3.19	14.923	1.479	11.570	.000	1.874	492.957
S TOT	.000	4863.286	.000	978.736	.00	3.09	3028.720	300.148	722.815	154.721	1851.036	492.957
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	492.957
TOTAL	.000	4863.286	.000	978.736	.00	3.09	3028.720	300.148	722.815	154.721	1851.036	492.957
CUM.	.000	.000		NET OIL REVENUES (M$)				.000	---------PRESENT WORTH PROFILE---------			
				NET GAS REVENUES (M$)				3028.720	DISC	PW OF NET	DISC	PW OF NET
ULT.	.000	4863.286		TOTAL REVENUES (M$)				3028.720	RATE	BTAX, M$	RATE	BTAX, M$
									.0	1851.036	30.0	-54.223
BTAX RATE OF RETURN (PCT)		22.50	PROJECT LIFE (YEARS)					29.000	2.0	1328.570	35.0	-68.232
BTAX PAYOUT		09/30/2001	DISCOUNT RATE (PCT)					8.000	5.0	811.372	40.0	-75.125
BTAX PAYOUT (DISC)		07/14/2002	GROSS OIL WELLS					.000	8.0	492.957	45.0	-78.182
BTAX NET INCOME/INVEST		12.96	GROSS GAS WELLS					1.000	10.0	349.733	50.0	-79.148
BTAX NET INCOME/INVEST (DISC)		4.89	GROSS WELLS					2.000	12.0	243.741	60.0	-78.153
INITIAL W.I. FRACTION		.230000	INITIAL NET OIL FRACTION					.000000	15.0	132.988	70.0	-75.733
FINAL W.I. FRACTION		.230000	FINAL NET OIL FRACTION					.000000	18.0	60.720	80.0	-73.031
PRODUCTION START DATE		8/01/90	INITIAL NET GAS FRACTION					.201250	20.0	26.807	90.0	-70.419
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION					.201250	25.0	-26.775	100.0	-67.995
WATER GROSS PROD. (MU)		148.179	WATER NET PRODUCTION (MU)					29.823	WATER NET REVENUES (M$)			.000

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101 ROSA UNIT #276
102 PROPNUM 81194-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 SAN JUAN COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 07 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	8/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	50.	.000	.000
320	3.	1994.000	1.000
344	3.	2843.000	357.000
345	3.	675.000	2826.000
346	3.	149.000	1309.000
347	3.	1.000	260.000
348	3.	992.000	9406.000
349	3.	6662.000	8360.000
350	3.	10354.000	7150.000
351	3.	4188.000	4480.000
352	3.	13833.000	10320.000
353	3.	11273.000	6530.000
354	3.	18816.000	5040.000
355	3.	22437.000	5580.000
356	3.	16784.000	8000.000
357	3.	22802.000	4840.000
358	3.	38945.000	5770.000
359	3.	22808.000	2720.000
360	3.	33413.000	6240.000
361	3.	29105.000	4960.000
362	3.	38481.000	4560.000
363	3.	39577.000	6200.000
364	3.	37692.000	5240.000
365	3.	37054.000	5900.000
366	3.	36223.000	4880.000
367	3.	57696.000	3780.000
368	3.	58636.000	2780.000
369	3.	75388.000	1800.000
370	3.	95328.000	1680.000
371	3.	107580.000	1521.000
372	3.	122383.000	1280.000
373	3.	125670.000	1200.000
374	3.	133740.000	640.000
375	3.	128073.000	480.000
376	3.		

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		5.000	1468.030	X	3.159	IYRS	D		
CALC	GAS	EXP	END=	5.000	1468.030	1248.429	16.159	YRS	D	2914.264	MMCF
411	GAS	EXP		20.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	20.000	1248.429	1.545	46.159	YRS	D	4953.814	MMCF
420	WATER	EXP		25.890	9.985	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	25.890	9.985	.001	46.000	YRS	D	148.253	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9666 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	224.120	202.000	.000		
806	! RECAV								
806	INVEST	1997.500	AD	G	124.580	122.000	.000		

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* 658 COMPUTE GASC = GASC / WI
* 659 COMPUTE GASC = GASC * NIG

  855 NOLOSS = ON

  ECONOMIC LIFE  (YRS):          29.000
  GROSS GAS      (MMCF):       4863.286
  GROSS WATER      (MU):        148.179
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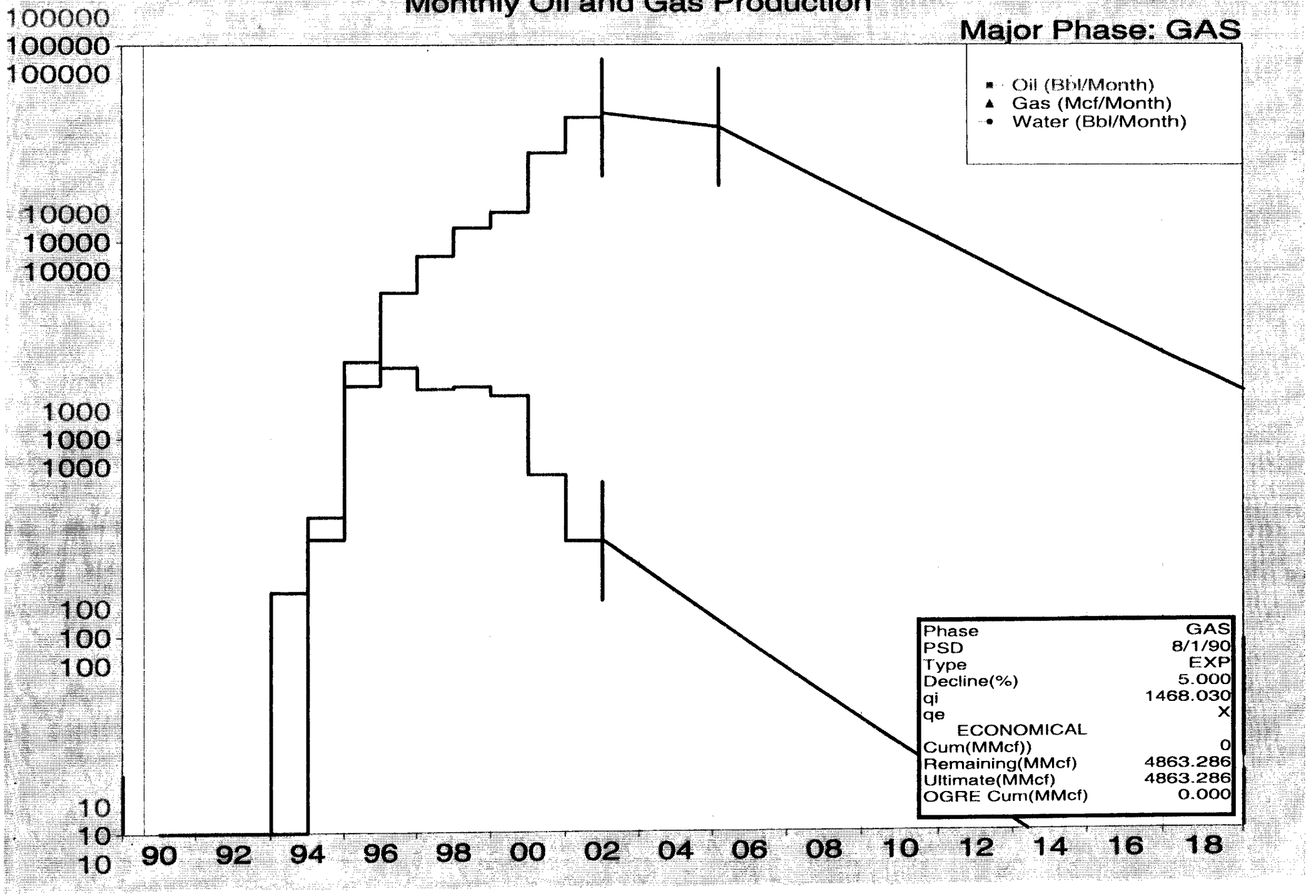
ROSA UNIT #276
31N 6W 17H
Monthly Oil and Gas Production



ROSA UNIT #277
PROPNUM 81429-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 10:31:05
FILE: PTC_COM
PROP: 62
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.53	.000	.000	.000	79.837	-79.837	-77.715
12-92	.000	.000	.000	.000	.00	1.75	.000	.000	.000	.000	.000	-77.715
12-93	.000	.000	.000	.000	.00	1.51	.000	.000	.000	.000	.000	-77.715
12-94	.000	.311	.000	.063	.00	1.09	.069	.007	.133	.000	-.071	-77.768
12-95	.000	.082	.000	.017	.00	1.29	.022	.002	.083	.000	-.063	-77.812
12-96	.000	.811	.000	.163	.00	1.54	.251	.025	7.648	.000	-7.422	-82.580
12-97	.000	7.591	.000	1.528	.00	2.15	3.284	.326	9.600	.000	-6.642	-86.531
12-98	.000	55.580	.000	11.185	.00	1.72	19.270	1.909	12.776	59.418	-54.833	-115.985
12-99	.000	66.556	.000	13.394	.00	1.91	25.557	2.533	16.117	.000	6.907	-112.463
12-00	.000	140.044	.000	28.184	.00	3.27	92.154	9.133	22.102	.000	60.919	-83.698
12-01	.000	131.568	.000	26.478	.00	3.24	85.840	8.507	21.285	.000	56.048	-59.193
12-02	.000	147.598	.000	29.704	.00	3.24	96.299	9.543	22.487	.000	64.269	-33.175
12-03	.000	142.253	.000	28.628	.00	3.24	92.811	9.198	22.010	.000	61.603	-10.084
12-04	.000	135.140	.000	27.197	.00	3.24	88.171	8.737	21.364	.000	58.070	10.071
12-05	.000	122.542	.000	24.662	.00	3.24	79.953	7.924	20.270	.000	51.759	26.705
12-06	.000	98.615	.000	19.846	.00	3.24	64.340	6.376	18.241	.000	39.723	38.525
12-07	.000	78.891	.000	15.877	.00	3.24	51.473	5.101	16.566	.000	29.806	46.737
12-08	.000	63.114	.000	12.702	.00	3.24	41.179	4.081	15.223	.000	21.875	52.318
12-09	.000	50.490	.000	10.161	.00	3.24	32.941	3.265	14.143	.000	15.533	55.987
12-10	.000	40.393	.000	8.129	.00	3.24	26.354	2.612	13.276	.000	10.466	58.276
12-11	.000	32.314	.000	6.503	.00	3.24	21.082	2.089	12.580	.000	6.413	59.575
12-12	.000	25.851	.000	5.203	.00	3.24	16.868	1.672	12.021	.000	3.175	60.170
12-13	.000	20.681	.000	4.162	.00	3.24	13.493	1.337	11.570	.000	.586	60.272
S TOT	.000	1360.425	.000	273.786	.00	3.11	851.411	84.377	289.495	139.255	338.284	60.272
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	60.272
TOTAL	.000	1360.425	.000	273.786	.00	3.11	851.411	84.377	289.495	139.255	338.284	60.272
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			851.411	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	1360.425		TOTAL REVENUES (M$)			851.411	RATE	BTAX, M$	RATE	BTAX, M$	
								.0	338.284	30.0	-64.287	
BTAX RATE OF RETURN (PCT)		12.59	PROJECT LIFE (YEARS)				23.000	2.0	234.766	35.0	-67.433	
BTAX PAYOUT		05/21/2002	DISCOUNT RATE (PCT)				8.000	5.0	128.393	40.0	-68.801	
BTAX PAYOUT (DISC)		06/30/2004	GROSS OIL WELLS				.000	8.0	60.272	45.0	-69.197	
BTAX NET INCOME/INVEST		3.43	GROSS GAS WELLS				1.000	10.0	28.748	50.0	-69.062	
BTAX NET INCOME/INVEST (DISC)		1.55	GROSS WELLS				2.000	12.0	4.984	60.0	-68.064	
INITIAL W.I. FRACTION		.230000	INITIAL NET OIL FRACTION				.000000	15.0	-20.335	70.0	-66.738	
FINAL W.I. FRACTION		.230000	FINAL NET OIL FRACTION				.000000	18.0	-37.159	80.0	-65.388	
PRODUCTION START DATE		11/01/90	INITIAL NET GAS FRACTION				.201250	20.0	-45.144	90.0	-64.097	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.201250	25.0	-57.837	100.0	-62.894	
WATER GROSS PROD. (MU)		19.453	WATER NET PRODUCTION (MU)				3.916	WATER NET REVENUES (M$)			.000	

CASE NAME: ROSA UNIT #277 -TEST -1PDP-RLG-1821.01 -BASIN

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101 ROSA UNIT #277
102 PROPNUM 81429-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	41.	.000	.000
320	3.	16.000	87.000
342	3.	51.000	67.000
343	3.	244.000	32.000
344	3.	31.000	5.000
345	3.	36.000	88.000
346	3.	.000	.000
347	3.	15.000	40.000
348	3.	4.000	320.000
349	3.	.000	305.000
350	3.	463.000	240.000
351	3.	344.000	320.000
352	3.	528.000	.000
353	3.	1248.000	1421.000
354	3.	1645.000	1120.000
355	3.	4170.000	1060.000
356	3.	4270.000	720.000
357	3.	5726.000	420.000
358	3.	32702.000	590.000
359	3.	12882.000	480.000
360	3.	10256.000	160.000
361	3.	14353.000	480.000
362	3.	19822.000	480.000
363	3.	22125.000	520.000
364	3.	20083.000	320.000
365	3.	33009.000	640.000
366	3.	43492.000	100.000
367	3.	43460.000	400.000
368	3.	31430.000	.000
369	3.	25690.000	500.000
370	3.	37306.000	360.000
371	3.	37142.000	401.000
372	3.	37333.000	400.000
373	3.	37009.000	320.000
374	3.	37646.000	82.000
375	3.	35610.000	240.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		5.000	399.814	X	2.252	IYRS	D		
CALC	GAS	EXP	END=	5.000	399.814	356.198	15.252	YRS	D	860.509	MMCF
411	GAS	EXP		20.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	20.000	356.198	.441	45.252	YRS	D	1442.428	MMCF
420	WATER	EXP		10.021	2.836	X	32.000	IYRS	D		
CALC	WATER	EXP	END=	10.021	2.836	.097	45.000	YRS	D	22.187	M-UNITS

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600 SERIES LINES:
602 DATA BTU : 0.9832 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1996.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	209.918	137.200	.000		

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806 ! RECAV
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806     INVEST      1998.800    AD            G         158.340     100.000        .000

853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          23.000
GROSS GAS      (MMCF):       1360.425
GROSS WATER      (MU):          19.453
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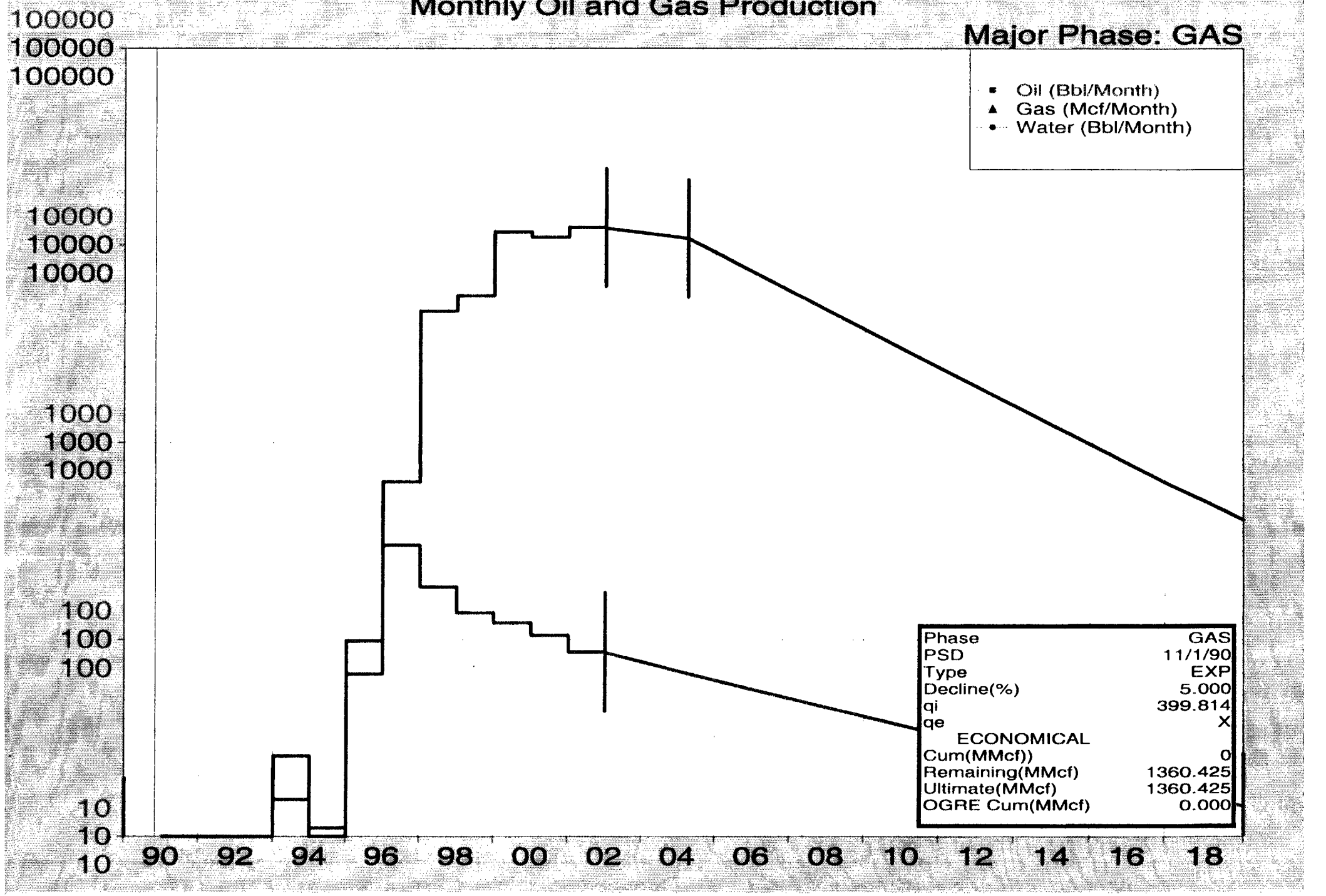
ROSA UNIT #277
31N 6W 17K
Monthly Oil and Gas Production



ROSA UNIT #279
PROPNUM 81316-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 08:36:41
FILE: FTC_COM
PROP: 63
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.50	.000	.000	.000	84.945	-84.945	-82.687
12-92	.000	16.739	.000	3.369	.00	1.72	5.794	.574	4.105	.000	1.115	-81.712
12-93	.000	.130	.000	.026	.00	1.48	.039	.004	1.469	.000	-1.434	-82.872
12-94	.000	.042	.000	.008	.00	1.07	.009	.001	.555	.000	-.547	-83.282
12-95	.000	.012	.000	.002	.00	1.26	.003	.000	.001	.000	.002	-83.281
12-96	.000	.000	.000	.000	.00	1.51	.000	.000	1.012	.000	-1.012	-83.931
12-97	.000	.000	.000	.000	.00	2.11	.000	.000	.000	.000	.000	-83.931
12-98	.000	.268	.000	.054	.00	1.69	.091	.009	1.770	.000	-1.688	-84.861
12-99	.000	40.384	.000	8.127	.00	1.87	15.233	1.510	20.537	42.425	-49.239	-109.971
12-00	.000	96.171	.000	19.354	.00	3.21	62.163	6.161	28.613	.000	27.389	-97.038
12-01	.000	152.603	.000	30.711	.00	3.18	97.802	9.692	32.843	.000	55.267	-72.874
12-02	.000	236.159	.000	47.527	.00	3.18	151.354	14.999	37.711	.000	98.644	-32.940
12-03	.000	258.720	.000	52.067	.00	3.18	165.812	16.432	38.895	.000	110.485	8.474
12-04	.000	284.296	.000	57.215	.00	3.18	182.206	18.057	39.653	.000	124.496	51.683
12-05	.000	271.701	.000	54.680	.00	3.18	174.133	17.257	37.521	.000	119.355	90.040
12-06	.000	257.856	.000	51.894	.00	3.18	165.261	16.377	35.465	.000	113.419	123.789
12-07	.000	227.180	.000	45.720	.00	3.18	145.599	14.429	32.190	.000	98.980	151.060
12-08	.000	190.832	.000	38.405	.00	3.18	122.304	12.120	28.578	.000	81.606	171.879
12-09	.000	160.299	.000	32.260	.00	3.18	102.735	10.181	25.546	.000	67.008	187.707
12-10	.000	134.650	.000	27.098	.00	3.18	86.296	8.552	23.000	.000	54.744	199.680
12-11	.000	113.107	.000	22.763	.00	3.18	72.491	7.184	20.862	.000	44.445	208.681
12-12	.000	95.010	.000	19.121	.00	3.18	60.892	6.034	19.066	.000	35.792	215.392
12-13	.000	79.808	.000	16.061	.00	3.18	51.148	5.068	17.559	.000	28.521	220.344
12-14	.000	67.039	.000	13.492	.00	3.18	42.966	4.258	16.293	.000	22.415	223.948
12-15	.000	56.312	.000	11.333	.00	3.18	36.091	3.576	15.230	.000	17.285	226.521
12-16	.000	47.303	.000	9.520	.00	3.18	30.317	3.005	14.337	.000	12.975	228.309
12-17	.000	39.734	.000	7.996	.00	3.18	25.464	2.524	13.587	.000	9.353	229.503
12-18	.000	33.377	.000	6.717	.00	3.18	21.391	2.120	12.958	.000	6.313	230.249
12-19	.000	28.036	.000	5.642	.00	3.18	17.967	1.781	12.429	.000	3.757	230.660
12-20	.000	18.042	.000	3.631	.00	3.18	11.563	1.146	9.026	.000	1.391	230.802
S TOT	.000	2905.810	.000	584.793	.00	3.16	1847.124	183.051	540.811	127.370	995.892	230.802
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	230.802
TOTAL	.000	2905.810	.000	584.793	.00	3.16	1847.124	183.051	540.811	127.370	995.892	230.802
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			1847.124					
ULT.	.000	2905.810		TOTAL REVENUES (M$)			1847.124					

BTAX RATE OF RETURN (PCT)	18.08	PROJECT LIFE (YEARS)	29.750		
BTAX PAYOUT	07/22/2002	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	10/17/2003	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	8.82	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	3.21	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/90	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	161.472	WATER NET PRODUCTION (MU)	32.496	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	995.892	30.0	-58.298
2.0	696.379	35.0	-65.474
5.0	405.786	40.0	-69.084
8.0	230.802	45.0	-70.781
10.0	153.397	50.0	-71.426
12.0	96.765	60.0	-71.217
15.0	38.318	70.0	-70.220
18.0	.663	80.0	-69.010
20.0	-16.852	90.0	-67.775
25.0	-44.306	100.0	-66.586

101 ROSA UNIT #279
102 PROPNUM 81316-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATFAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
310	FACT	1.000	1.000
320	21.	.000	.000
325	3.	16739.000	4771.000
326	3.	.000	.000
327	3.	.000	370.000
328	3.	61.000	1125.000
329	3.	69.000	800.000
330	3.	.000	240.000
331	3.	36.000	.000
332	3.	.000	.000
333	3.	6.000	800.000
334	3.	.000	160.000
335	3.	.000	.000
336	3.	12.000	.000
337	3.	.000	.000
338	3.	.000	.000
339	3.	.000	320.000
340	3.	.000	.000
341	3.	.000	720.000
342	3.	.000	720.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	63.000	320.000
349	3.	134.000	160.000
350	3.	71.000	160.000
351	3.	1393.000	1200.000
352	3.	3569.000	2400.000
353	3.	11356.000	5040.000
354	3.	24066.000	4560.000
355	3.	23754.000	4740.000
356	3.	23009.000	5250.000
357	3.	20831.000	4720.000
358	3.	28577.000	4640.000
359	3.	35998.000	4960.000
360	3.	37496.000	4480.000
361	3.	39135.000	4960.000
362	3.	39974.000	4320.000
363	3.	45887.000	4000.000
364	3.	56364.000	4000.000
365	3.	63600.000	3760.000
366	3.	70308.000	3600.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-16.730	655.410	X	1.240	IYRS	D		
CALC	GAS	EXP	END=	-16.730	655.410	793.998	14.240	YRS	D	869.507	MMCF
411	GAS	EXP		5.000	LAST	X	2.630	IYRS	D		
CALC	GAS	EXP	END=	5.000	793.998	693.797	16.870	YRS	D	1582.530	MMCF
412	GAS	EXP		16.000	LAST	X	30.000	YRS	D		
CALC	GAS	EXP	END=	16.000	693.797	61.692	30.750	YRS	D	2905.810	MMCF
420	WATER	EXP		16.160	42.510	X	30.000	YRS	D		
CALC	WATER	EXP	END=	16.160	42.510	1.861	30.750	YRS	D	161.472	M-UNITS

600 SERIES LINES:
602 DATA BTU : 0.9658 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1998.0 AD : 500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
* 644 1.89 UNTIL 1993 AD
* 645 1.63 UNTIL 1994 AD
* 646 1.18 UNTIL 1995 AD
* 647 1.39 UNTIL 1996 AD
* 648 1.66 UNTIL 1997 AD
* 649 2.32 UNTIL 1998 AD
* 650 1.86 UNTIL 1999 AD
* 651 2.06 UNTIL 2000 AD
* 652 3.53 UNTIL 2001 AD

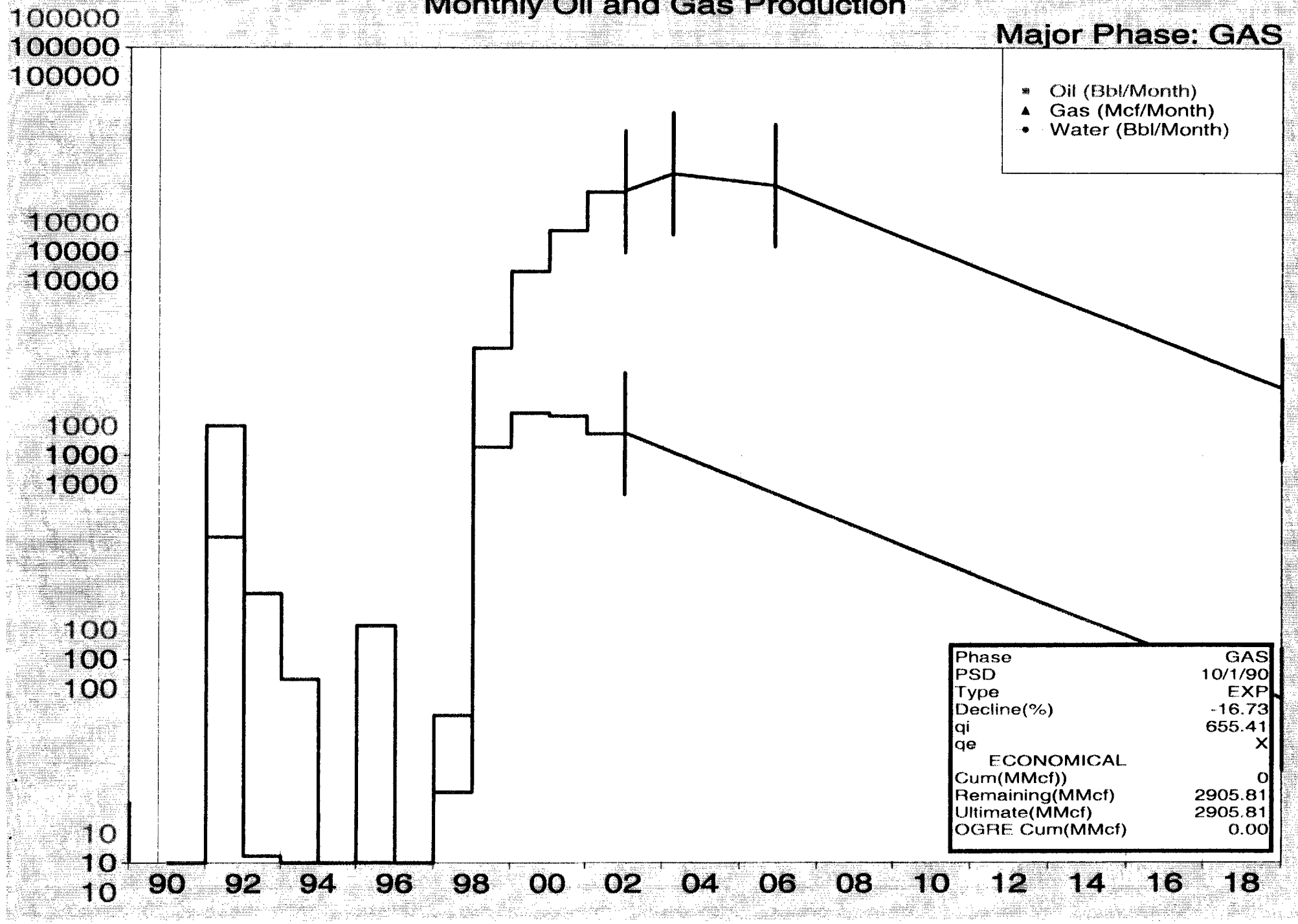
```
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	207.425	161.900	.000		
806	! RECAV								
806	INVEST	1999.500	AD	G	84.456	100.000	.000		

```
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   855 NOLOSS = ON
```

ROSA UNIT #279
32N 6W 35A
Monthly Oil and Gas Production



ROSA UNIT #282
PROPNUM 81790-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 09:35:41
FILE: FTC_COM
PROP: 65
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	6.000	326.000	-332.000	-320.934
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	6.000	.000	-6.000	-326.144
12-93	.000	207.852	.000	181.871	.00	1.52	276.660	27.417	81.733	.000	167.510	-191.453
12-94	.000	323.845	.000	283.364	.00	1.10	312.048	30.924	123.529	.000	157.595	-74.121
12-95	.000	278.823	.000	243.970	.00	1.30	316.480	31.363	114.770	.000	170.347	43.311
12-96	.000	253.070	.000	221.436	.00	1.55	343.045	33.996	105.444	.000	203.605	173.273
12-97	.000	227.158	.000	198.763	.00	2.17	430.347	42.647	95.640	.000	292.060	345.887
12-98	.000	209.185	.000	183.037	.00	1.74	317.722	31.486	88.517	.000	197.719	454.087
12-99	.000	195.356	.000	170.937	.00	1.92	328.624	32.566	94.898	.000	201.160	556.016
12-00	.000	187.690	.000	164.229	.00	3.29	541.028	53.616	92.116	.000	395.296	741.478
12-01	.000	173.867	.000	152.134	.00	3.27	496.924	49.245	87.100	.000	360.579	898.121
12-02	.000	169.810	.000	148.584	.00	3.27	485.328	48.096	85.627	.000	351.605	1039.551
12-03	.000	168.024	.000	147.021	.00	3.27	480.223	47.590	84.979	.000	347.654	1169.033
12-04	.000	158.547	.000	138.729	.00	3.27	453.138	44.906	81.540	.000	326.692	1281.695
12-05	.000	149.605	.000	130.904	.00	3.27	427.579	42.373	78.294	.000	306.912	1379.695
12-06	.000	141.167	.000	123.521	.00	3.27	403.463	39.984	75.232	.000	288.247	1464.918
12-07	.000	133.206	.000	116.555	.00	3.27	380.710	37.728	72.343	.000	270.639	1539.008
12-08	.000	125.692	.000	109.981	.00	3.27	359.237	35.600	69.616	.000	254.021	1603.397
12-09	.000	118.604	.000	103.779	.00	3.27	338.979	33.593	67.044	.000	238.342	1659.337
12-10	.000	111.914	.000	97.925	.00	3.27	319.858	31.698	64.616	.000	223.544	1707.917
12-11	.000	105.603	.000	92.403	.00	3.27	301.821	29.911	62.325	.000	209.585	1750.090
12-12	.000	99.646	.000	87.190	.00	3.27	284.793	28.223	60.163	.000	196.407	1786.684
12-13	.000	94.026	.000	82.273	.00	3.27	268.733	26.631	58.124	.000	183.978	1818.423
12-14	.000	88.724	.000	77.634	.00	3.27	253.580	25.130	56.200	.000	172.250	1845.937
12-15	.000	83.719	.000	73.254	.00	3.27	239.274	23.712	54.383	.000	161.179	1869.776
12-16	.000	78.998	.000	69.123	.00	3.27	225.780	22.375	52.670	.000	150.735	1890.419
12-17	.000	74.542	.000	65.224	.00	3.27	213.045	21.113	51.053	.000	140.879	1908.283
12-18	.000	70.338	.000	61.546	.00	3.27	201.031	19.922	49.527	.000	131.582	1923.732
12-19	.000	66.370	.000	58.074	.00	3.27	189.690	18.798	48.087	.000	122.805	1937.083
12-20	.000	42.155	.000	36.886	.00	3.27	120.483	11.939	31.299	.000	77.245	1944.959
S TOT	.000	4137.536	.000	3620.347	.00	2.57	9309.623	922.582	2098.869	326.000	5962.172	1944.959
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	1944.959
TOTAL	.000	4137.536	.000	3620.347	.00	2.57	9309.623	922.582	2098.869	326.000	5962.172	1944.959
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			9309.623					
ULT.	.000	4137.536		TOTAL REVENUES (M$)			9309.623					

BTAX RATE OF RETURN (PCT)	38.32	PROJECT LIFE (YEARS)	29.667		--------PRESENT WORTH PROFILE--------			
BTAX PAYOUT	01/28/1995	DISCOUNT RATE (PCT)	8.000		DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT (DISC)	08/18/1995	GROSS OIL WELLS	.000		5.0	2871.677	40.0	-21.215
BTAX NET INCOME/INVEST	19.29	GROSS GAS WELLS	1.000		8.0	1944.959	45.0	-66.233
BTAX NET INCOME/INVEST (DISC)	7.17	GROSS WELLS	1.000		10.0	1522.616	50.0	-99.124
					12.0	1202.881	60.0	-142.203
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		15.0	854.619	70.0	-167.442
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		18.0	611.232	80.0	-182.714
PRODUCTION START DATE	9/01/90	INITIAL NET GAS FRACTION	.875000		20.0	488.429	90.0	-192.054
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		25.0	270.916	100.0	-197.679
WATER GROSS PROD. (MU)	2.112	WATER NET PRODUCTION (MU)	.000		WATER NET REVENUES (M$)		.000	

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101 ROSA UNIT #282
102 PROPNUM 81790-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 09 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3600.00	1.000	GAS	9/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	31.	.000	.000
325	3.	40643.000	20.000
326	3.	70662.000	57.000
327	3.	96547.000	43.000
328	3.	82401.000	.000
329	3.	95728.000	.000
330	3.	91114.000	.000
331	3.	54602.000	.000
332	3.	79146.000	133.000
333	3.	76819.000	134.000
334	3.	52423.000	205.000
335	3.	70435.000	160.000
336	3.	67810.000	160.000
337	3.	63564.000	160.000
338	3.	63415.000	80.000
339	3.	58281.000	240.000
340	3.	55591.000	80.000
341	3.	58615.000	160.000
342	3.	57392.000	160.000
343	3.	55560.000	80.000
344	3.	54525.000	160.000
345	3.	51022.000	80.000
346	3.	52657.000	.000
347	3.	50981.000	.000
348	3.	45389.000	.000
349	3.	52031.000	.000
350	3.	49585.000	.000
351	3.	48351.000	.000
352	3.	46812.000	.000
353	3.	48386.000	.000
354	3.	47064.000	.000
355	3.	45428.000	.000
356	3.	43856.000	.000
357	3.	44642.000	.000
358	3.	42103.000	.000
359	3.	43266.000	.000
360	3.	44049.000	.000
361	3.	43382.000	.000
362	3.	42471.000	.000
363	3.	39908.000	.000

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT	(M OR Y)	CALC VALUE
410	GAS	EXP	5.640	473.830	X	30.000 YRS	D	
CALC	GAS	EXP END=	5.640	473.830	169.906	30.667 YRS	D	4137.536 MMCF

600 SERIES LINES:

```
602 DATA BTU : 0.9906 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 500 UNTIL 1995.0 AD : 1000 UNTIL 1999.0 AD THEN 2000 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100 AD	G	170.000	156.000	.000		

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THNET88
GASC = GASC / WI
GASC = GASC * NIG
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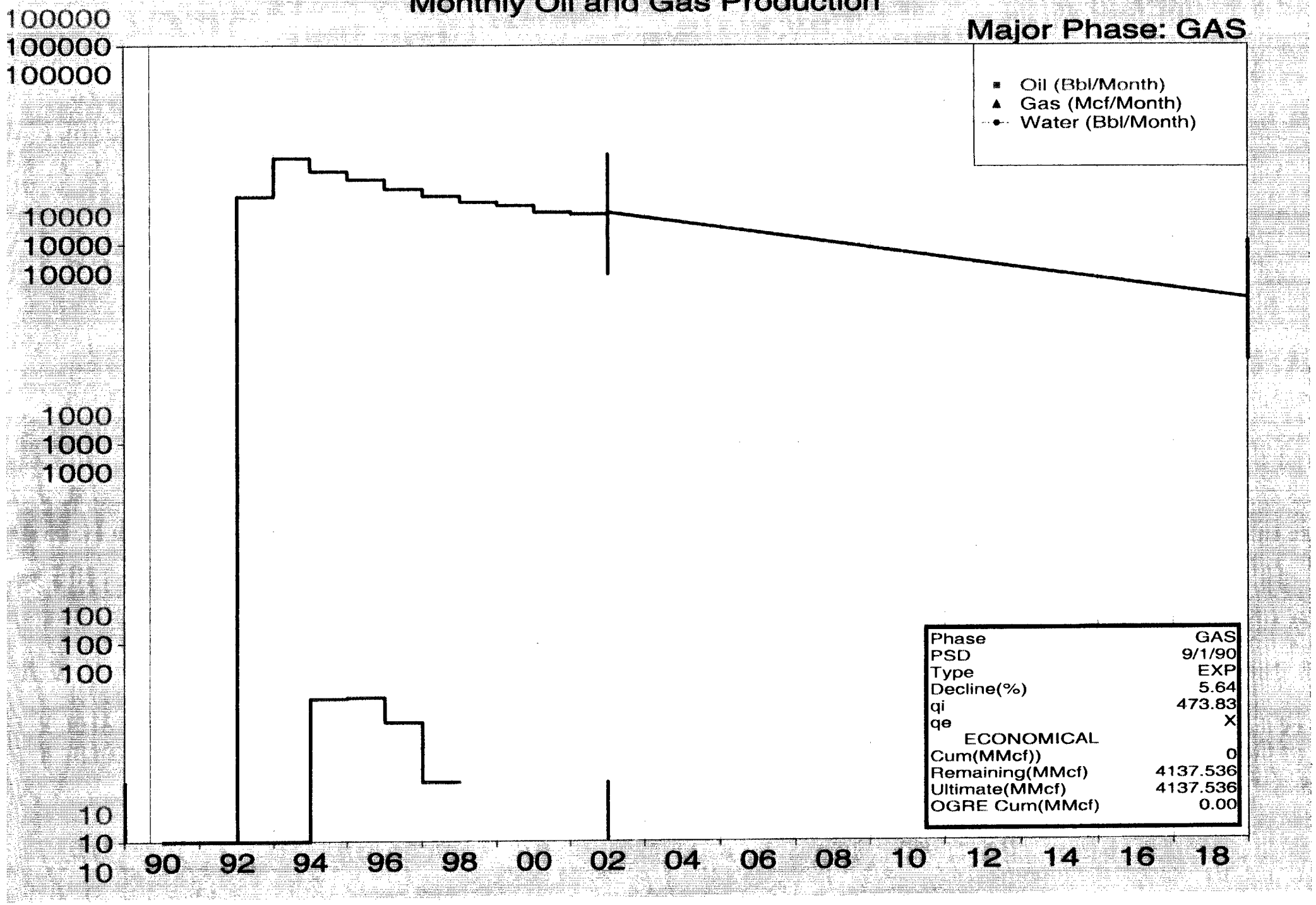
ROSA UNIT #282
31N 4W 2K
Monthly Oil and Gas Production



ROSA UNIT #285
PROPNUM 81793-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 09:40:20
FILE: FTC_COM
PROP: 68
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF AUGUST 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	.000	360.000	-360.000	-345.966
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	.000	.000	.000	-345.966
12-93	.000	100.433	.000	87.879	.00	1.52	133.600	13.240	54.595	.000	65.765	-293.424
12-94	.000	179.405	.000	156.979	.00	1.10	172.765	17.121	83.070	.000	72.574	-239.737
12-95	.000	171.577	.000	150.130	.00	1.30	194.632	19.288	81.314	.000	94.030	-175.330
12-96	.000	139.854	.000	122.372	.00	1.55	189.462	18.776	69.325	.000	101.361	-111.044
12-97	.000	126.932	.000	111.066	.00	2.16	240.326	23.816	64.901	.000	151.609	-22.012
12-98	.000	126.013	.000	110.261	.00	1.73	191.279	18.956	64.305	.000	108.018	36.722
12-99	.000	122.891	.000	107.530	.00	1.92	206.599	20.474	68.572	.000	117.553	95.906
12-00	.000	116.473	.000	101.914	.00	3.29	335.537	33.251	66.245	.000	236.041	205.942
12-01	.000	106.300	.000	93.013	.00	3.26	303.629	30.090	62.555	.000	210.984	297.012
12-02	.000	103.684	.000	90.724	.00	3.26	296.157	29.349	61.606	.000	205.202	379.025
12-03	.000	102.031	.000	89.277	.00	3.26	291.434	28.881	61.007	.000	201.546	453.610
12-04	.000	96.256	.000	84.224	.00	3.26	274.939	27.247	58.912	.000	188.780	518.296
12-05	.000	90.808	.000	79.457	.00	3.26	259.378	25.704	56.936	.000	176.738	574.370
12-06	.000	85.669	.000	74.960	.00	3.26	244.698	24.250	55.072	.000	165.376	622.952
12-07	.000	80.819	.000	70.717	.00	3.26	230.847	22.877	53.313	.000	154.657	665.020
12-08	.000	76.245	.000	66.714	.00	3.26	217.780	21.582	51.654	.000	144.544	701.425
12-09	.000	71.930	.000	62.939	.00	3.26	205.457	20.361	50.089	.000	135.007	732.909
12-10	.000	67.858	.000	59.376	.00	3.26	193.826	19.208	48.612	.000	126.006	760.117
12-11	.000	64.018	.000	56.016	.00	3.26	182.857	18.121	47.219	.000	117.517	783.613
12-12	.000	60.394	.000	52.845	.00	3.26	172.506	17.096	45.905	.000	109.505	803.885
12-13	.000	56.976	.000	49.854	.00	3.26	162.742	16.128	44.665	.000	101.949	821.360
12-14	.000	53.751	.000	47.032	.00	3.26	153.530	15.215	43.495	.000	94.820	836.409
12-15	.000	50.709	.000	44.370	.00	3.26	144.840	14.354	42.392	.000	88.094	849.355
12-16	.000	47.839	.000	41.859	.00	3.26	136.644	13.541	41.351	.000	81.752	860.479
12-17	.000	45.131	.000	39.490	.00	3.26	128.910	12.775	40.369	.000	75.766	870.025
12-18	.000	42.576	.000	37.254	.00	3.26	121.611	12.052	39.442	.000	70.117	878.205
12-19	.000	40.167	.000	35.146	.00	3.26	114.730	11.370	38.569	.000	64.791	885.204
12-20	.000	37.893	.000	33.156	.00	3.26	108.234	10.726	37.744	.000	59.764	891.181
12-21	.000	35.749	.000	31.280	.00	3.26	102.110	10.119	36.966	.000	55.025	896.277
12-22	.000	33.725	.000	29.509	.00	3.26	96.328	9.547	36.232	.000	50.549	900.611
12-23	.000	31.816	.000	27.839	.00	3.26	90.877	9.006	35.540	.000	46.331	904.290
12-24	.000	30.016	.000	26.264	.00	3.26	85.736	8.496	34.887	.000	42.353	907.404
12-25	.000	16.718	.000	14.628	.00	3.26	47.751	4.733	20.064	.000	22.954	908.992
S TOT	.000	2612.656	.000	2286.074	.00	2.64	6031.751	597.750	1696.923	360.000	3377.078	908.992
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	908.992
TOTAL	.000	2612.656	.000	2286.074	.00	2.64	6031.751	597.750	1696.923	360.000	3377.078	908.992
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			6031.751					
ULT.	.000	2612.656		TOTAL REVENUES (M$)			6031.751					

						PRESENT WORTH PROFILE			
						DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)	23.81	PROJECT LIFE (YEARS)	34.583			.0	3377.078	30.0	-98.121
BTAX PAYOUT	03/03/1997	DISCOUNT RATE (PCT)	8.000			2.0	2382.315	35.0	-143.312
BTAX PAYOUT (DISC)	05/16/1998	GROSS OIL WELLS	.000			5.0	1455.971	40.0	-173.139
BTAX NET INCOME/INVEST	10.38	GROSS GAS WELLS	1.000			8.0	908.992	45.0	-193.262
BTAX NET INCOME/INVEST (DISC)	3.63	GROSS WELLS	1.000			10.0	665.258	50.0	-207.024
						12.0	483.419	60.0	-222.938
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000			15.0	288.462	70.0	-230.066
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000			18.0	154.624	80.0	-232.564
PRODUCTION START DATE	8/01/90	INITIAL NET GAS FRACTION	.875000			20.0	88.088	90.0	-232.485
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000			25.0	-27.438	100.0	-230.929
WATER GROSS PROD. (MU)	1.325	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000				

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101 ROSA UNIT #285
102 PROPNUM 81793-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 90 12 08 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3600.00	1.000	GAS	8/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

```
300 SERIES LINES:
-----------------
```

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	32.	.000	.000
325	3.	24348.000	21.000
326	3.	18915.000	22.000
327	3.	57170.000	24.000
328	3.	44683.000	.000
329	3.	53607.000	.000
330	3.	50726.000	.000
331	3.	30389.000	.000
332	3.	44985.000	82.000
333	3.	42729.000	83.000
334	3.	43172.000	188.000
335	3.	40691.000	80.000
336	3.	40028.000	.000
337	3.	38026.000	80.000
338	3.	30070.000	.000
339	3.	31730.000	160.000
340	3.	27433.000	160.000
341	3.	32581.000	80.000
342	3.	33589.000	105.000
343	3.	33329.000	.000
344	3.	32521.000	160.000
345	3.	30117.000	80.000
346	3.	31639.000	.000
347	3.	31736.000	.000
348	3.	28570.000	.000
349	3.	33467.000	.000
350	3.	30864.000	.000
351	3.	29990.000	.000
352	3.	28807.000	.000
353	3.	30142.000	.000
354	3.	29205.000	.000
355	3.	28319.000	.000
356	3.	26660.000	.000
357	3.	28481.000	.000
358	3.	25495.000	.000
359	3.	25664.000	.000
360	3.	27000.000	.000
361	3.	25376.000	.000
362	3.	26374.000	.000
363	3.	24934.000	.000

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	5.660	287.760	X	35.000	YRS	D		
CALC	GAS	EXP END=	5.660	287.760	77.193	35.583	YRS	D	2612.656	MMCF

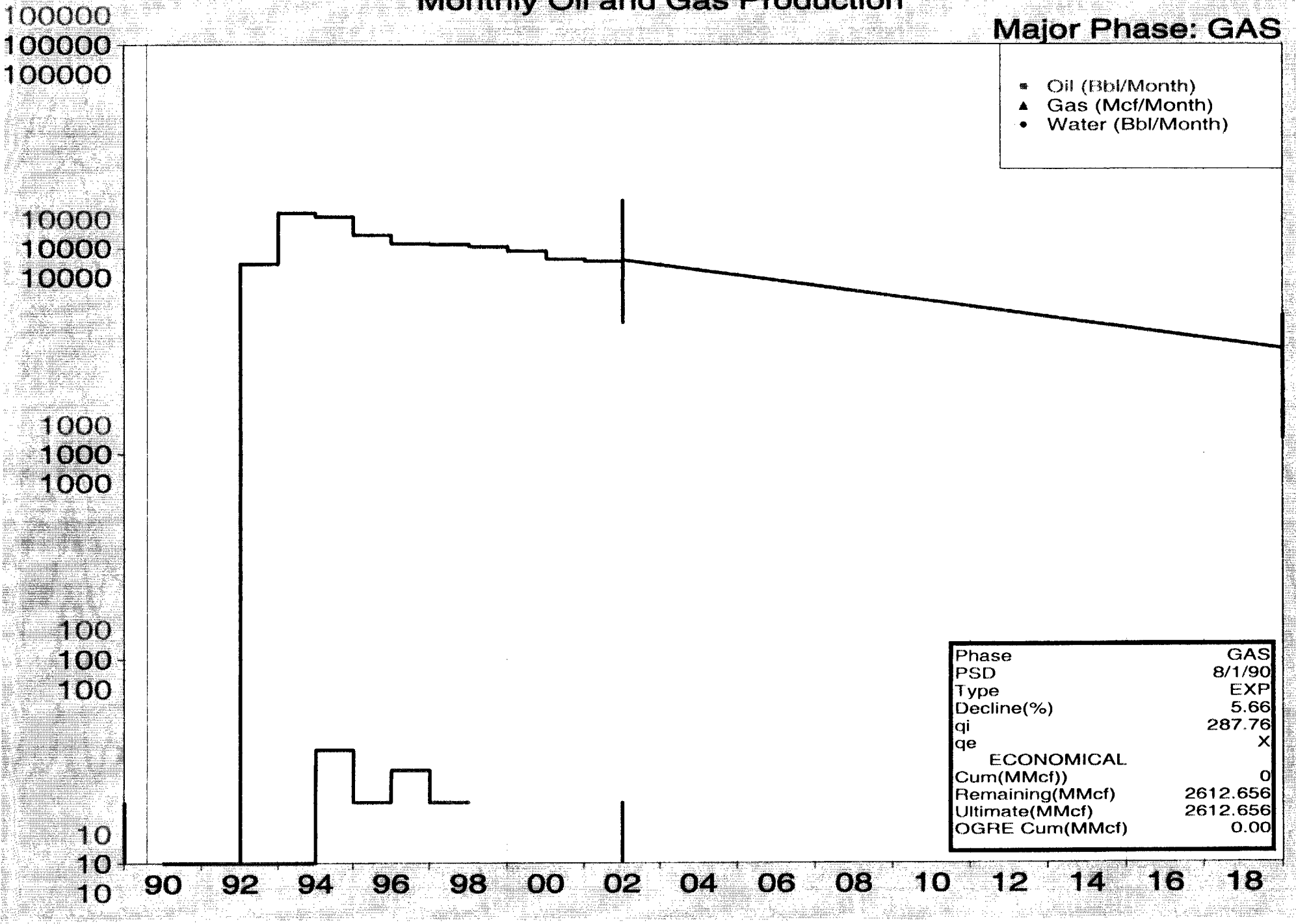
```
600 SERIES LINES:
-----------------
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1993.0 AD : 1500 UNTIL 1999.0 AD THEN 2000 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100 AD	G	170.000	190.000	.000		

```
853 CASE $GATHNET88
658 COMPUTE GASC = GASC / WI
659 COMPUTE GASC = GASC * NIG
```

ROSA UNIT #285
31N 4W 3H
Monthly Oil and Gas Production



Phase	GAS
PSD	8/1/90
Type	EXP
Decline(%)	5.66
qi	287.76
qe	X
ECONOMICAL	
Cum(MMcf))	0
Remaining(MMcf)	2612.656
Ultimate(MMcf)	2612.656
OGRE Cum(MMcf)	0.00

ROSA UNIT #321
##OFNUM 81424-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/20/03
TIME: 14:45:53
FILE: FTC_COM
PROP: 85
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.55	.000	.000	.000	328.685	-328.685	-316.277
12-92	.000	.000	.000	.000	.00	1.77	.000	.000	.000	.000	.000	-316.277
12-93	.000	.355	.000	.311	.00	1.53	.475	.047	6.679	.000	-6.251	-321.336
12-94	.000	.847	.000	.741	.00	1.11	.820	.081	3.309	.000	-2.570	-323.262
12-95	.000	.045	.000	.039	.00	1.30	.051	.005	.416	.000	-.370	-323.519
12-96	.000	.685	.000	.599	.00	1.56	.932	.092	2.850	.000	-2.010	-324.810
12-97	.000	.161	.000	.141	.00	2.18	.307	.031	10.259	.000	-9.983	-330.748
12-98	.000	38.476	.000	33.667	.00	1.74	58.712	5.818	42.829	.000	10.065	-325.205
12-99	.000	80.380	.000	70.333	.00	1.93	135.842	13.462	89.257	258.253	-225.130	-438.502
12-00	.000	43.402	.000	37.977	.00	3.31	125.691	12.456	90.525	.000	22.710	-427.779
12-01	.000	41.032	.000	35.903	.00	3.28	117.817	11.676	86.963	.000	19.178	-419.394
12-02	.000	51.707	.000	45.244	.00	3.28	148.469	14.713	86.653	.000	47.103	-400.325
12-03	.000	58.713	.000	51.374	.00	3.28	168.585	16.707	84.377	.000	67.501	-375.023
12-04	.000	71.084	.000	62.199	.00	3.28	204.107	20.227	80.746	.000	103.134	-339.228
12-05	.000	86.062	.000	75.304	.00	3.28	247.112	24.489	80.074	.000	142.549	-293.418
12-06	.000	101.641	.000	88.936	.00	3.28	291.846	28.922	81.137	.000	181.787	-239.325
12-07	.000	102.231	.000	89.452	.00	3.28	293.539	29.090	77.874	.000	186.575	-187.920
12-08	.000	99.808	.000	87.332	.00	3.28	286.582	28.400	74.373	.000	183.809	-141.028
12-09	.000	97.442	.000	85.262	.00	3.28	279.789	27.727	71.538	.000	180.524	-98.386
12-10	.000	92.065	.000	80.557	.00	3.28	264.350	26.198	68.095	.000	170.057	-61.192
12-11	.000	81.167	.000	71.021	.00	3.28	233.057	23.096	63.002	.000	146.959	-31.431
12-12	.000	71.402	.000	62.477	.00	3.28	205.020	20.318	58.598	.000	126.104	-7.785
12-13	.000	62.813	.000	54.961	.00	3.28	180.356	17.873	54.835	.000	107.648	10.905
12-14	.000	55.256	.000	48.349	.00	3.28	158.658	15.723	51.602	.000	91.333	25.588
12-15	.000	48.609	.000	42.533	.00	3.28	139.573	13.832	48.818	.000	76.923	37.038
12-16	.000	42.762	.000	37.417	.00	3.28	122.785	12.168	46.416	.000	64.201	45.887
12-17	.000	37.617	.000	32.915	.00	3.28	108.011	10.704	44.338	.000	52.969	52.647
12-18	.000	33.092	.000	28.956	.00	3.28	95.020	9.417	42.533	.000	43.070	57.736
12-19	.000	29.110	.000	25.471	.00	3.28	83.584	8.284	40.967	.000	34.333	61.492
12-20	.000	21.566	.000	18.870	.00	3.28	61.922	6.136	38.128	.000	17.658	63.281
S TOT	.000	1449.530	.000	1268.341	.00	3.16	4013.012	397.692	1527.191	586.938	1501.191	63.281
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	63.281
TOTAL	.000	1449.530	.000	1268.341	.00	3.16	4013.012	397.692	1527.191	586.938	1501.191	63.281
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				4013.012				
ULT.	.000	1449.530		TOTAL REVENUES (M$)				4013.012				

BTAX RATE OF RETURN (PCT)	9.07	PROJECT LIFE (YEARS)	30.000		
BTAX PAYOUT	11/23/2006	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	05/31/2013	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	3.56	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	1.14	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	11/01/90	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	128.272	WATER NET PRODUCTION (MU)	112.241		

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	1501.191	30.0	-290.620
2.0	896.223	35.0	-288.904
5.0	355.976	40.0	-284.689
8.0	63.281	45.0	-279.623
10.0	-54.471	50.0	-274.390
12.0	-134.135	60.0	-264.432
15.0	-208.277	70.0	-255.517
18.0	-249.549	80.0	-247.587
20.0	-266.066	90.0	-240.469
25.0	-286.036	100.0	-234.017

WATER NET REVENUES (M$) .000

```
101 ROSA UNIT #321
102 PROPNUM 81424-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	29.	.000	.000
338	3.	.000	354.000
339	3.	263.000	1267.000
340	3.	92.000	999.000
341	3.	156.000	480.000
342	3.	691.000	720.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	29.000	.000
347	3.	16.000	80.000
348	3.	.000	80.000
349	3.	658.000	80.000
350	3.	.000	400.000
351	3.	.000	.000
352	3.	27.000	560.000
353	3.	.000	1200.000
354	3.	.000	960.000
355	3.	56.000	1360.000
356	3.	105.000	560.000
357	3.	265.000	560.000
358	3.	563.000	1120.000
359	3.	34679.000	2240.000
360	3.	2969.000	400.000
361	3.	18725.000	2080.000
362	3.	37504.000	2080.000
363	3.	11922.000	3320.000
364	3.	12229.000	4500.000
365	3.	12282.000	4780.000
366	3.	11613.000	3940.000
367	3.	11709.000	3820.000
368	3.	7798.000	5340.000
369	3.	8315.000	3921.000
370	3.	10253.000	4720.000
371	3.	11040.000	3760.000
372	3.	11424.000	4400.000
373	3.	11869.000	3600.000
374	3.	13961.000	4240.000
375	3.	13110.000	3920.000
376	3.	12767.000	3360.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-21.070	145.970	X	3.530	IYRS	D		
CALC	GAS	EXP	END=	-21.070	145.970	286.670	16.530	YRS	D	525.688	MMCF
411	GAS	EXP		2.370	LAST	X	3.670	IYRS	D		
CALC	GAS	EXP	END=	2.370	286.670	262.514	20.200	YRS	D	893.281	MMCF
412	GAS	EXP		12.030	LAST	X	30.000	YRS	D		
CALC	GAS	EXP	END=	12.030	262.514	67.181	30.833	YRS	D	1449.530	MMCF
420	WATER	EXP		24.700	41.500	X	35.000	IYRS	D		
CALC	WATER	EXP	END=	24.700	41.500	.002	48.000	YRS	D	128.593	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9952 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1998.0 AD : 1500 UNTIL 1999.0 AD THEN 2500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
```

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805 ! DRILL AND COMPLETE

        INV NAME          INV. POINT          (G OR N)     TANG-M$    INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
        --------          ----------          --------     -------    ---------   ---------   ---------   ---------
805       INVEST       1991.250    AD            G         128.685     200.000        .000
806 ! RECAV
806       INVEST       1999.650    AD            G         158.253     100.000        .000

853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          30.000
GROSS GAS      (MMCF):       1449.530
GROSS WATER      (MU):        128.272
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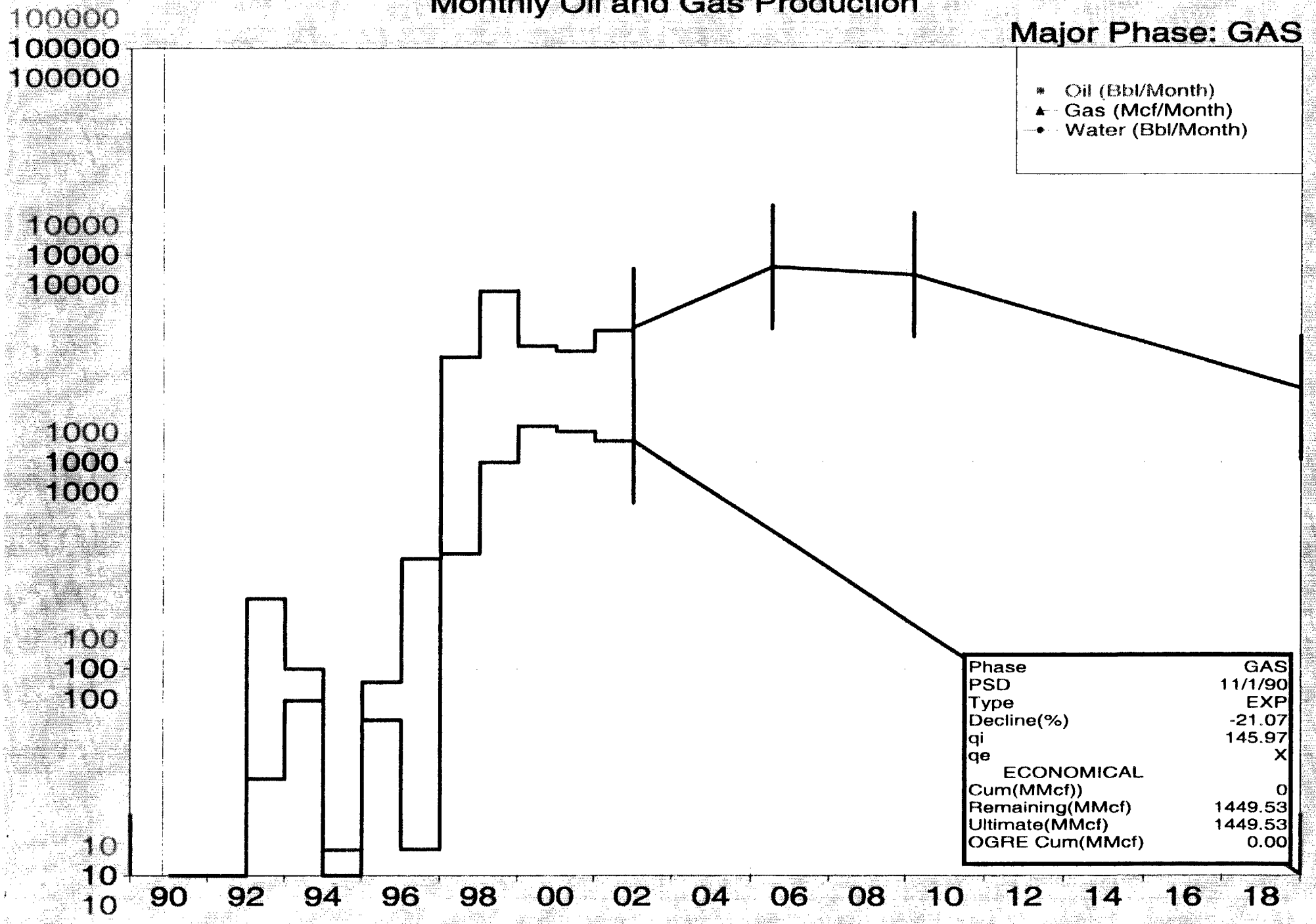
ROSA UNIT #321
31N 5W 20B
Monthly Oil and Gas Production



ROSA UNIT #329
PROPNUM 81314-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 05:54:46
FILE: FTC_COM
PROP: 87
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.50	.000	.000	.000	74.181	-74.181	-71.107
12-92	.000	.000	.000	.000	.00	1.72	.000	.000	.000	.000	.000	-71.107
12-93	.000	.000	.000	.000	.00	1.49	.000	.000	.000	.000	.000	-71.107
12-94	.000	46.491	.000	9.356	.00	1.08	10.062	.998	5.587	.000	3.477	-68.502
12-95	.000	.000	.000	.000	.00	1.27	.000	.000	.092	.000	-.092	-68.566
12-96	.000	.000	.000	.000	.00	1.51	.000	.000	.092	.000	-.092	-68.625
12-97	.000	.000	.000	.000	.00	2.11	.000	.000	.460	.000	-.460	-68.899
12-98	.000	.000	.000	.000	.00	1.70	.000	.000	.000	.000	.000	-68.899
12-99	.000	23.670	.000	4.764	.00	1.88	8.944	.886	20.651	50.678	-63.271	-101.566
12-00	.000	31.265	.000	6.292	.00	3.22	20.243	2.006	20.023	.000	-1.786	-102.409
12-01	.000	60.513	.000	12.178	.00	3.19	38.846	3.850	21.861	.000	13.135	-96.666
12-02	.000	101.474	.000	20.422	.00	3.19	65.143	6.456	24.004	.000	34.683	-82.625
12-03	.000	104.479	.000	21.026	.00	3.19	67.070	6.646	23.748	.000	36.676	-68.877
12-04	.000	111.440	.000	22.427	.00	3.19	71.539	7.090	23.243	.000	41.206	-54.575
12-05	.000	110.863	.000	22.311	.00	3.19	71.169	7.053	22.330	.000	41.786	-41.146
12-06	.000	105.320	.000	21.196	.00	3.19	67.612	6.700	21.179	.000	39.733	-29.323
12-07	.000	99.900	.000	20.105	.00	3.19	64.132	6.356	20.173	.000	37.603	-18.963
12-08	.000	87.738	.000	17.657	.00	3.19	56.323	5.582	18.726	.000	32.015	-10.796
12-09	.000	73.699	.000	14.832	.00	3.19	47.312	4.689	17.214	.000	25.409	-4.794
12-10	.000	61.908	.000	12.459	.00	3.19	39.742	3.939	15.955	.000	19.848	-.453
12-11	.000	52.002	.000	10.465	.00	3.19	33.382	3.308	14.907	.000	15.167	2.619
12-12	.000	43.682	.000	8.791	.00	3.19	28.042	2.779	14.035	.000	11.228	4.724
12-13	.000	36.693	.000	7.384	.00	3.19	23.554	2.334	13.308	.000	7.912	6.098
12-14	.000	30.822	.000	6.203	.00	3.19	19.787	1.961	12.703	.000	5.123	6.922
12-15	.000	25.891	.000	5.211	.00	3.19	16.622	1.647	12.199	.000	2.776	7.335
12-16	.000	21.748	.000	4.377	.00	3.19	13.962	1.384	11.780	.000	.798	7.445
S TOT	.000	1229.598	.000	247.456	.00	3.09	763.486	75.664	334.270	124.859	228.693	7.445
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	7.445
TOTAL	.000	1229.598	.000	247.456	.00	3.09	763.486	75.664	334.270	124.859	228.693	7.445
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			763.486					
ULT.	.000	1229.598		TOTAL REVENUES (M$)			763.486					

BTAX RATE OF RETURN (PCT)	8.70	PROJECT LIFE (YEARS)	26.000		--------PRESENT WORTH PROFILE--------			
BTAX PAYOUT	04/03/2005	DISCOUNT RATE (PCT)	8.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT (DISC)	02/24/2011	GROSS OIL WELLS	.000	2.0	140.943	35.0	-62.301
BTAX NET INCOME/INVEST	2.83	GROSS GAS WELLS	1.000	5.0	56.831	40.0	-61.596
BTAX NET INCOME/INVEST (DISC)	1.08	GROSS WELLS	2.000	8.0	7.445	45.0	-60.611
				10.0	-13.725	50.0	-59.530
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000	12.0	-28.723	60.0	-57.383
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000	15.0	-43.452	70.0	-55.410
PRODUCTION START DATE	10/01/90	INITIAL NET GAS FRACTION	.201250	18.0	-52.208	80.0	-53.631
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.201250	20.0	-55.921	90.0	-52.022
				25.0	-60.819	100.0	-50.555
WATER GROSS PROD. (MU)	104.622	WATER NET PRODUCTION (MU)	21.057	WATER NET REVENUES (M$)			.000

```
101 ROSA UNIT #329
102 PROPNUM 81314-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	42.	.000	.000
320	3.	46491.000	3080.000
325	3.	.000	45.000
326	3.	.000	.000
327	3.	.000	.000
328	3.	.000	.000
329	3.	.000	80.000
330	3.	.000	80.000
331	3.	.000	.000
332	3.	.000	160.000
333	3.	.000	.000
334	3.	.000	.000
335	3.	.000	.000
336	3.	.000	.000
337	3.	.000	80.000
338	3.	.000	720.000
339	3.	.000	.000
340	3.	.000	.000
341	3.	.000	.000
342	3.	.000	.000
343	3.	1639.000	1520.000
344	3.	13452.000	4720.000
345	3.	6529.000	4480.000
346	3.	2050.000	5040.000
347	3.	4381.000	3520.000
348	3.	6684.000	3700.000
349	3.	8922.000	3410.000
350	3.	11278.000	2960.000
351	3.	15915.000	3440.000
352	3.	14862.000	2880.000
353	3.	13570.000	3440.000
354	3.	16166.000	2880.000
355	3.	19658.000	2640.000
356	3.	23221.000	2560.000
357	3.	27745.000	2720.000
358	3.	30850.000	2640.000
359	3.		

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-6.740	277.010	X	1.890	IYRS	D		
CALC	GAS	EXP	END=	-6.740	277.010	313.353	14.890	YRS	D	466.786	MMCF
411	GAS	EXP		5.000	LAST	X	2.950	IYRS	D		
CALC	GAS	EXP	END=	5.000	313.353	269.351	17.840	YRS	D	779.902	MMCF
412	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	269.351	1.441	47.840	YRS	D	1340.758	MMCF
420	WATER	EXP		19.240	29.480	X	30.000	IYRS	D		
CALC	WATER	EXP	END=	19.240	29.480	.048	43.000	YRS	D	107.067	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9674 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG

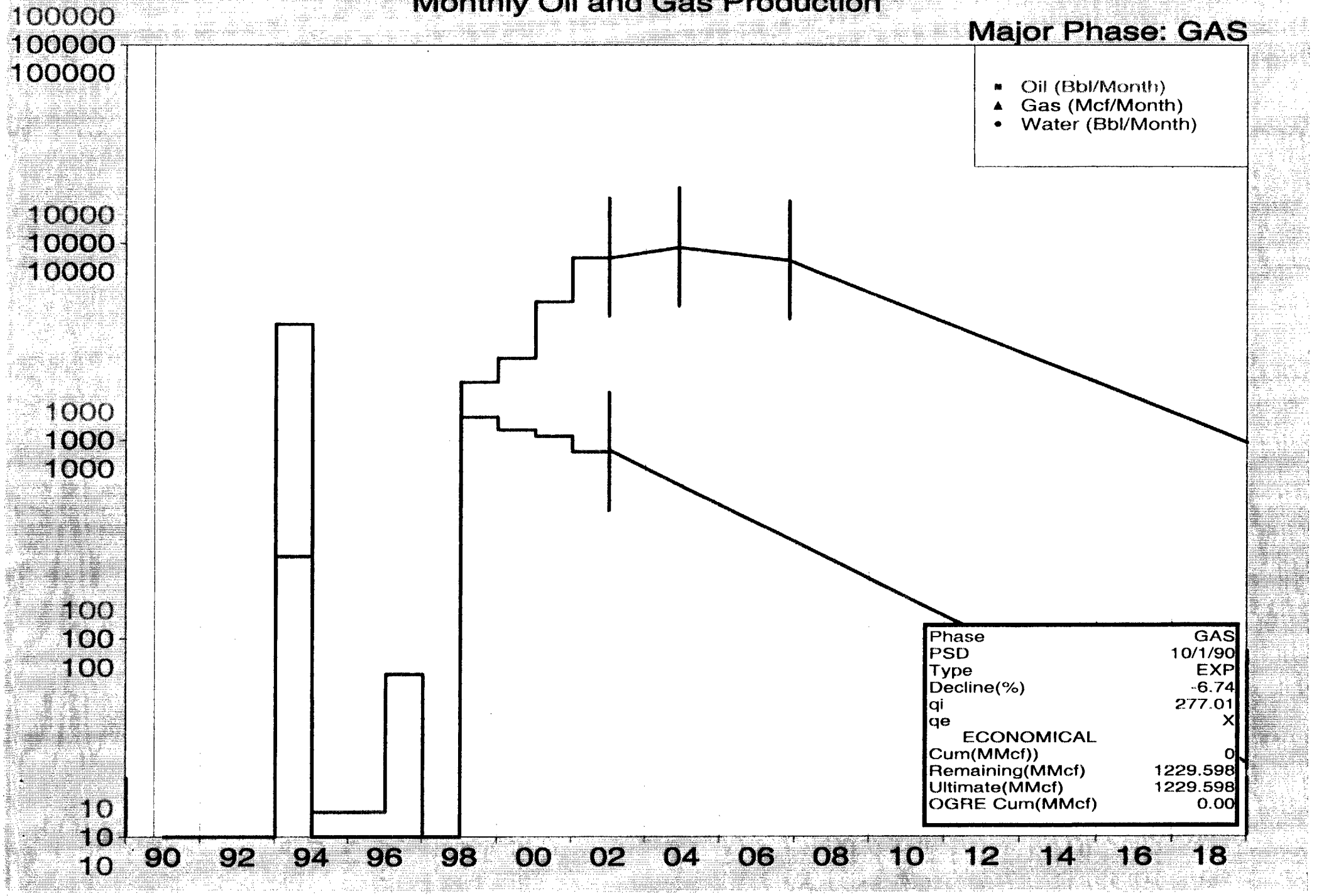
```
805'    INVEST      1991.300    AD          G       185.526     137.000      .000
806 ! RECAV
806     INVEST      1999.300    AD          G       120.340     100.000      .000

853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          26.000
GROSS GAS     (MMCF):        1229.598
GROSS WATER     (MU):         104.622
```

ROSA UNIT #329
32N 6W 34H
Monthly Oil and Gas Production



ROSA UNIT #331
PROPNUM 81315-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 06:00:23
FILE: FTC_COM
PROP: 88
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.47	.000	.000	.000	79.529	-79.529	-77.416
12-92	.000	22.389	.000	4.506	.00	1.69	7.593	.752	5.563	.000	1.278	-76.299
12-93	.000	4.519	.000	.909	.00	1.45	1.321	.131	4.227	.000	-3.037	-78.757
12-94	.000	.000	.000	.000	.00	1.05	.000	.000	.000	.000	.000	-78.757
12-95	.000	.005	.000	.001	.00	1.24	.001	.000	.506	.000	-.505	-79.107
12-96	.000	.000	.000	.000	.00	1.48	.000	.000	4.554	.000	-4.554	-82.033
12-97	.000	.000	.000	.000	.00	2.07	.000	.000	.368	.000	-.368	-82.252
12-98	.000	.907	.000	.183	.00	1.66	.303	.030	5.040	.000	-4.767	-84.877
12-99	.000	66.840	.000	13.452	.00	1.84	24.707	2.449	26.582	51.169	-55.493	-113.581
12-00	.000	61.316	.000	12.340	.00	3.15	38.838	3.848	24.544	.000	10.446	-108.648
12-01	.000	103.615	.000	20.853	.00	3.12	65.074	6.449	28.181	.000	30.444	-95.337
12-02	.000	161.026	.000	32.406	.00	3.12	101.127	10.021	30.965	.000	60.141	-70.990
12-03	.000	184.400	.000	37.111	.00	3.12	115.809	11.477	32.370	.000	71.962	-44.016
12-04	.000	203.572	.000	40.969	.00	3.12	127.848	12.669	32.592	.000	82.587	-15.352
12-05	.000	193.768	.000	38.996	.00	3.12	121.691	12.059	30.718	.000	78.914	10.008
12-06	.000	166.939	.000	33.596	.00	3.12	104.840	10.390	27.663	.000	66.787	29.881
12-07	.000	140.229	.000	28.221	.00	3.12	88.067	8.727	24.768	.000	54.572	44.917
12-08	.000	117.792	.000	23.706	.00	3.12	73.977	7.331	22.338	.000	44.308	56.220
12-09	.000	98.945	.000	19.913	.00	3.12	62.141	6.158	20.300	.000	35.683	64.649
12-10	.000	83.114	.000	16.727	.00	3.12	52.198	5.173	18.588	.000	28.437	70.869
12-11	.000	69.816	.000	14.050	.00	3.12	43.845	4.345	17.153	.000	22.347	75.395
12-12	.000	58.646	.000	11.803	.00	3.12	36.833	3.650	15.948	.000	17.235	78.627
12-13	.000	49.262	.000	9.914	.00	3.12	30.938	3.066	14.936	.000	12.936	80.873
12-14	.000	41.380	.000	8.328	.00	3.12	25.988	2.575	14.088	.000	9.325	82.372
12-15	.000	34.759	.000	6.995	.00	3.12	21.829	2.164	13.376	.000	6.289	83.308
12-16	.000	29.198	.000	5.876	.00	3.12	18.337	1.817	12.777	.000	3.743	83.824
12-17	.000	24.526	.000	4.936	.00	3.12	15.403	1.526	12.277	.000	1.600	84.028
S TOT	.000	1916.963	.000	385.791	.00	3.06	1178.708	116.807	440.422	130.699	490.780	84.028
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	84.028
TOTAL	.000	1916.963	.000	385.791	.00	3.06	1178.708	116.807	440.422	130.699	490.780	84.028
CUM.	.000	.000										
ULT.	.000	1916.963										

		NET OIL REVENUES (M$)	.000		
		NET GAS REVENUES (M$)	1178.708		
		TOTAL REVENUES (M$)	1178.708		
BTAX RATE OF RETURN (PCT)	13.22	PROJECT LIFE (YEARS)	27.000		
BTAX PAYOUT	08/21/2003	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	08/09/2005	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	4.76	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	1.81	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/90	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	180.887	WATER NET PRODUCTION (MU)	36.404		

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	490.781	30.0	-66.315
2.0	332.430	35.0	-69.020
5.0	177.622	40.0	-69.948
8.0	84.028	45.0	-69.986
10.0	42.674	50.0	-69.573
12.0	12.543	60.0	-68.218
15.0	-18.274	70.0	-66.706
18.0	-37.782	80.0	-65.251
20.0	-46.674	90.0	-63.911
25.0	-60.081	100.0	-62.678

WATER NET REVENUES (M$) .000

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101 ROSA UNIT #331
102 PROPNUM 81315-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	18.	.000	.000
320	3.	20377.000	4312.000
325	3.	1988.000	770.000
326	3.	24.000	1489.000
327	3.	2182.000	2465.000
328	3.	1861.000	2491.000
329	3.	385.000	1529.000
330	3.	91.000	240.000
331	3.	.000	.000
332	3.	.000	.000
333	3.	.000	.000
334	3.	.000	.000
335	3.	5.000	.000
336	3.	.000	800.000
337	3.	.000	.000
338	3.	.000	80.000
339	3.	.000	1920.000
340	3.	.000	.000
341	3.	.000	2560.000
342	3.	.000	3440.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	.000	640.000
346	3.	.000	.000
347	3.	.000	480.000
348	3.	499.000	5040.000
349	3.	216.000	1520.000
350	3.	192.000	1600.000
351	3.	13656.000	5040.000
352	3.	26083.000	4480.000
353	3.	15478.000	4240.000
354	3.	11623.000	6400.000
355	3.	15463.000	4660.000
356	3.	14465.000	4120.000
357	3.	15392.000	4360.000
358	3.	15996.000	4240.000
359	3.	20926.000	4400.000
360	3.	25270.000	4240.000
361	3.	27197.000	4400.000
362	3.	30222.000	4800.000
363	3.	34070.000	3760.000
364	3.	38262.000	3920.000
365	3.	41805.000	3600.000
366	3.	46889.000	3440.000
367			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-15.620	469.430	X	1.320	IYRS	D		
CALC	GAS	EXP	END=	-15.620	469.430	568.557	14.320	YRS	D	669.906	MMCF
411	GAS	EXP		5.000	LAST	X	1.310	IYRS	D		
CALC	GAS	EXP	END=	5.000	568.557	531.609	15.630	YRS	D	932.830	MMCF
412	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	531.609	2.844	45.630	YRS	D	2039.772	MMCF
420	WATER	EXP		16.320	41.640	X	30.000	IYRS	D		
CALC	WATER	EXP	END=	16.320	41.640	.199	43.000	YRS	D	186.373	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9464 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
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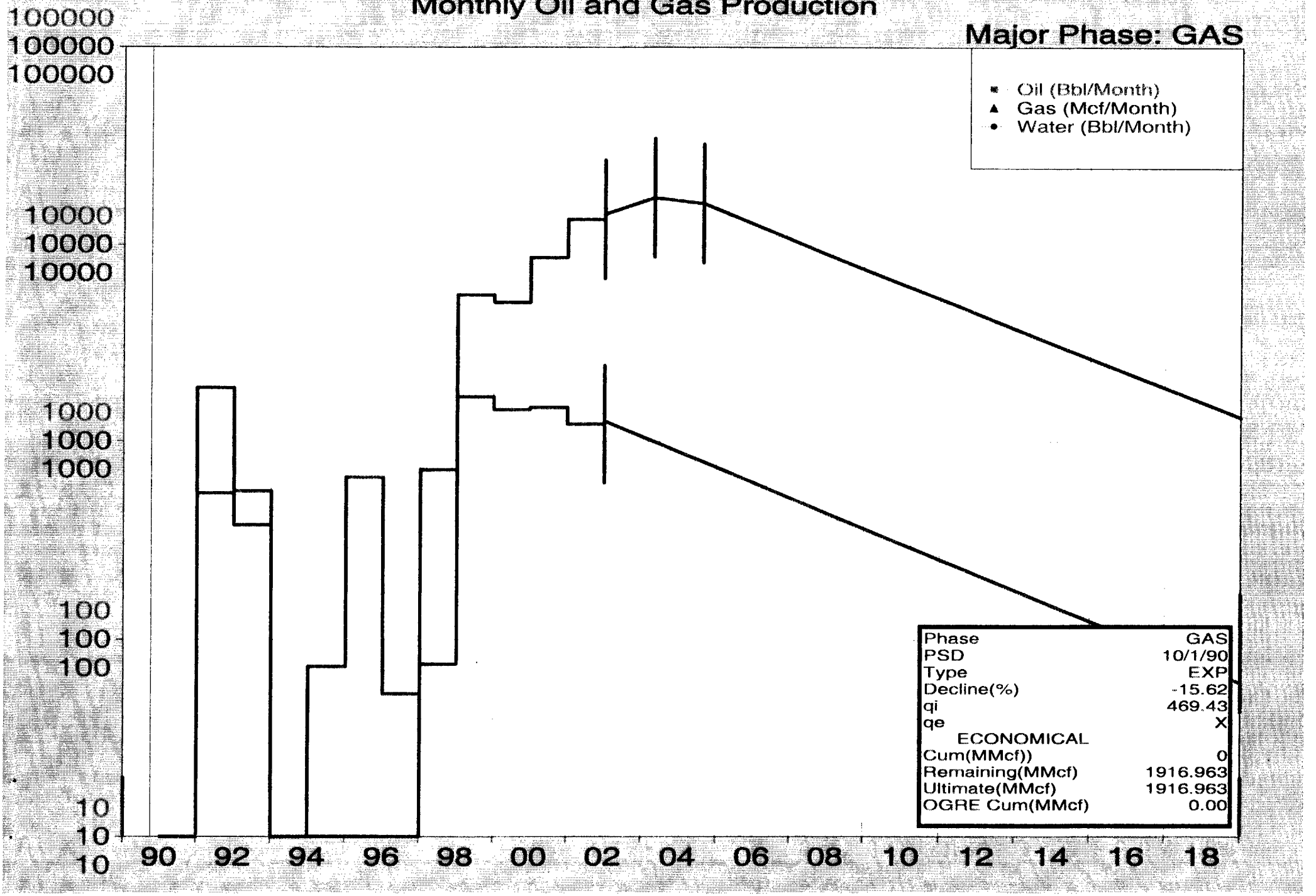
ROSA UNIT #331
32N 6W 35K
Monthly Oil and Gas Production



ROSA UNIT #332
PROPNUM 81431-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/18/03
TIME: 10:12:03
FILE: FTC_COM
PROP: 89
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.49	.000	.000	.000	69.804	-69.804	-67.949
12-92	.000	.000	.000	.000	.00	1.70	.000	.000	.000	.000	.000	-67.949
12-93	.000	.000	.000	.000	.00	1.47	.000	.000	.000	.000	.000	-67.949
12-94	.000	.000	.000	.000	.00	1.06	.000	.000	.000	.000	.000	-67.949
12-95	.000	.000	.000	.000	.00	1.25	.000	.000	.000	.000	.000	-67.949
12-96	.000	.000	.000	.000	.00	1.50	.000	.000	.000	.000	.000	-67.949
12-97	.000	.000	.000	.000	.00	2.09	.000	.000	2.735	89.346	-92.081	-122.278
12-98	.000	175.283	.000	33.207	.00	1.68	55.652	5.515	24.517	.000	25.620	-108.167
12-99	.000	199.832	.000	37.858	.00	1.86	70.269	6.963	30.895	.000	32.411	-91.638
12-00	.000	190.197	.000	36.033	.00	3.18	114.607	11.358	29.188	.000	74.061	-56.667
12-01	.000	227.515	.000	43.103	.00	3.15	135.929	13.471	31.723	.000	90.735	-16.996
12-02	.000	224.438	.000	42.520	.00	3.15	134.090	13.288	31.490	.000	89.312	19.160
12-03	.000	218.425	.000	41.381	.00	3.15	130.499	12.933	30.883	.000	86.683	51.652
12-04	.000	207.504	.000	39.312	.00	3.15	123.974	12.286	29.559	.000	82.129	80.157
12-05	.000	197.129	.000	37.346	.00	3.15	117.774	11.672	28.325	.000	77.777	105.152
12-06	.000	182.047	.000	34.489	.00	3.15	108.764	10.779	26.777	.000	71.208	126.341
12-07	.000	150.884	.000	28.585	.00	3.15	90.145	8.933	24.047	.000	57.165	142.091
12-08	.000	123.725	.000	23.440	.00	3.15	73.920	7.326	21.657	.000	44.937	153.555
12-09	.000	101.455	.000	19.221	.00	3.15	60.615	6.007	19.670	.000	34.938	161.808
12-10	.000	83.192	.000	15.761	.00	3.15	49.704	4.925	18.014	.000	26.765	167.662
12-11	.000	68.218	.000	12.924	.00	3.15	40.757	4.039	16.636	.000	20.082	171.729
12-12	.000	55.939	.000	10.598	.00	3.15	33.422	3.312	15.485	.000	14.625	174.471
12-13	.000	45.870	.000	8.690	.00	3.15	27.405	2.715	14.523	.000	10.167	176.236
12-14	.000	37.613	.000	7.126	.00	3.15	22.472	2.227	13.716	.000	6.529	177.286
12-15	.000	30.843	.000	5.843	.00	3.15	18.426	1.826	13.041	.000	3.559	177.816
12-16	.000	25.291	.000	4.791	.00	3.15	15.109	1.497	12.474	.000	1.138	177.973
S TOT	.000	2545.400	.000	482.228	.00	2.95	1423.533	141.072	435.355	159.150	687.956	177.973
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	177.973
TOTAL	.000	2545.400	.000	482.228	.00	2.95	1423.533	141.072	435.355	159.150	687.956	177.973
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			1423.533	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	2545.400		TOTAL REVENUES (M$)			1423.533	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		18.42	PROJECT LIFE (YEARS)				26.000	.0	687.956	30.0	-47.300	
BTAX PAYOUT		04/29/2001	DISCOUNT RATE (PCT)				8.000	2.0	495.873	35.0	-53.916	
BTAX PAYOUT (DISC)		06/20/2002	GROSS OIL WELLS				.000	5.0	301.165	40.0	-57.342	
BTAX NET INCOME/INVEST		5.32	GROSS GAS WELLS				1.000	8.0	177.973	45.0	-58.999	
BTAX NET INCOME/INVEST (DISC)		2.47	GROSS WELLS				2.000	10.0	121.332	50.0	-59.648	
								12.0	78.729	60.0	-59.487	
INITIAL W.I. FRACTION		.218810	INITIAL NET OIL FRACTION				.000000	15.0	33.351	70.0	-58.550	
FINAL W.I. FRACTION		.218810	FINAL NET OIL FRACTION				.000000	18.0	3.065	80.0	-57.413	
PRODUCTION START DATE		8/01/97	INITIAL NET GAS FRACTION				.189450	20.0	-11.419	90.0	-56.268	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.189450	25.0	-34.849	100.0	-55.179	
WATER GROSS PROD. (MU)		123.453	WATER NET PRODUCTION (MU)				23.389	WATER NET REVENUES (M$)			.000	

CASE NAME: ROSA UNIT #332 -TEST -1PDP-RLG-1606.01 -BASIN

```
101 ROSA UNIT #332
102 PROPNUM 81431-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
   120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.21881000	.00	3500.00	1.000	GAS	8/01/1997

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.18945000	3.650	9.000	1.0	
224	WATER	.000	.18945000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
310	FACT	1.000	1.000
320	5.	.000	.000
357	3.	18055.000	1040.000
358	3.	57636.000	3070.000
359	3.	49721.000	2160.000
360	3.	49871.000	2240.000
361	3.	57498.000	3200.000
362	3.	47015.000	3145.000
363	3.	48792.000	2500.000
364	3.	46527.000	3120.000
365	3.	43729.000	2580.000
366	3.	42108.000	2580.000
367	3.	55003.000	2140.000
368	3.	49357.000	2880.000
369	3.	52988.000	2320.000
370	3.	58099.000	2400.000
371	3.	58907.000	2640.000
372	3.	57521.000	2280.000
373	3.	56868.000	2280.000
374	3.	56344.000	2720.000
375	3.	57335.000	2240.000
376	3.	53891.000	2400.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		5.000	613.904	X	3.370	IYRS	D		
CALC	GAS	EXP	END=	5.000	613.904	516.451	16.370	YRS	D	1710.736	MMCF
411	GAS	EXP		18.000	LAST	X	33.000	IYRS	D		
CALC	GAS	EXP	END=	18.000	516.451	.739	49.370	YRS	D	2659.256	MMCF
420	WATER	EXP		9.671	26.983	X	30.000	IYRS	D		
CALC	WATER	EXP	END=	9.671	26.983	1.276	43.000	YRS	D	142.186	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9564 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1997.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	206.487	112.530	.000		
806	! RECAV								
806	INVEST	1997.600	AD	G	208.325	200.000	.000		

```
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON
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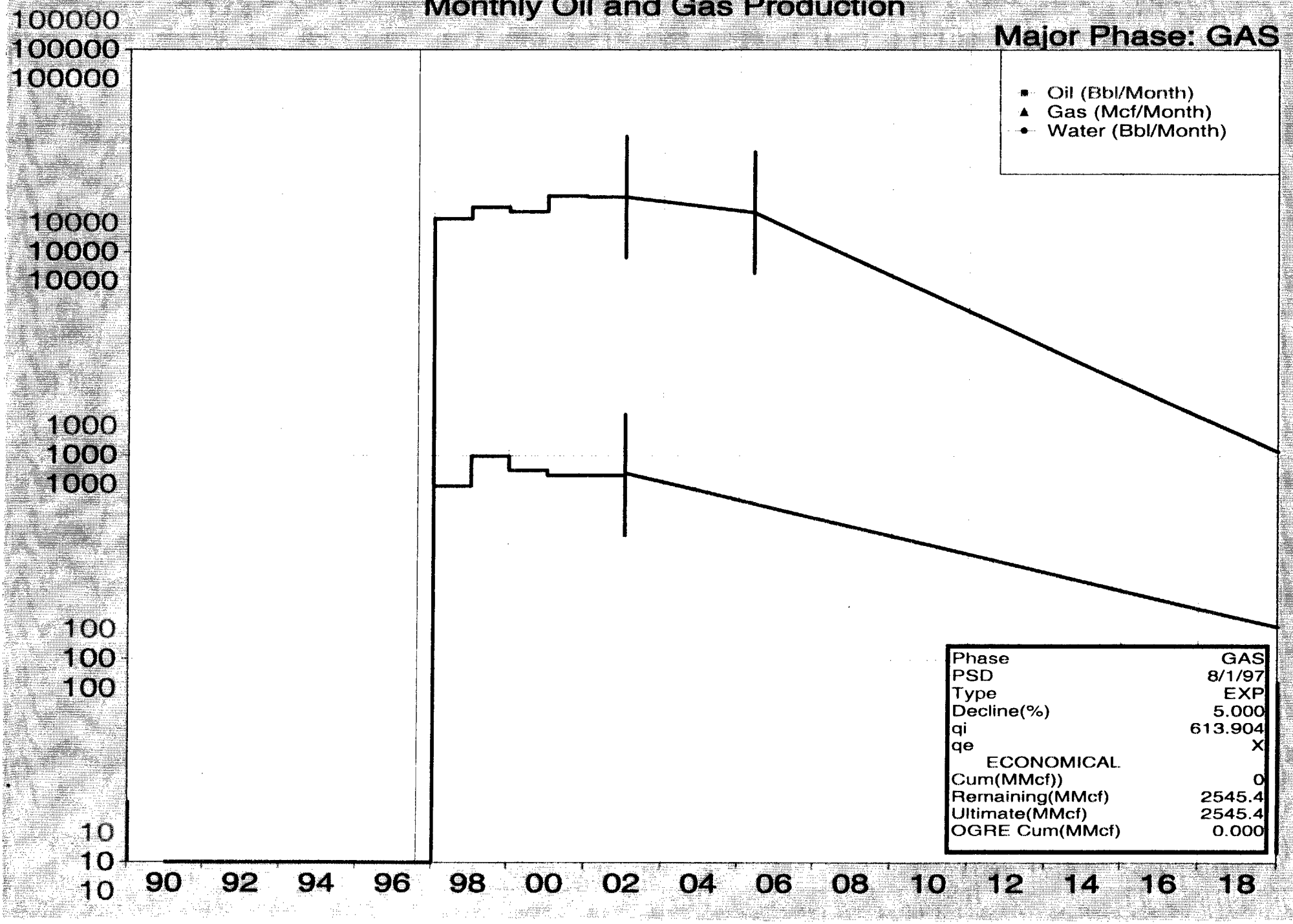
ECONOMIC LIFE (YRS): 26.000
GROSS GAS (MMCF): 2545.400
GROSS WATER (MU): 123.453

ROSA UNIT #332
31N 6W 22K
Monthly Oil and Gas Production



ROSA UNIT #334
PROPNUM 81367-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 08:50:21
FILE: FTC_COM
PROP: 90
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF AUGUST 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.47	.000	.000	.000	344.122	-344.122	-330.707
12-92	.000	.055	.000	.042	.00	1.68	.071	.007	12.020	.000	-11.956	-341.023
12-93	.000	29.655	.000	22.705	.00	1.45	32.977	3.268	47.124	.000	-17.415	-354.937
12-94	.000	19.986	.000	15.302	.00	1.05	16.089	1.594	29.060	.000	-14.565	-365.712
12-95	.000	.083	.000	.064	.00	1.24	.079	.008	12.028	.000	-11.957	-373.902
12-96	.000	16.133	.000	12.352	.00	1.48	18.270	1.810	80.716	.000	-64.256	-414.655
12-97	.000	104.604	.000	80.087	.00	2.07	165.557	16.407	124.315	.000	24.835	-400.071
12-98	.000	172.105	.000	131.768	.00	1.66	218.383	21.641	142.356	.000	54.386	-370.499
12-99	.000	246.962	.000	189.080	.00	1.84	347.064	34.394	215.365	206.200	-108.895	-427.341
12-00	.000	374.959	.000	287.078	.00	3.15	902.965	89.484	265.985	29.690	517.806	-186.223
12-01	.000	517.328	.000	396.079	.00	3.12	1235.225	122.411	300.450	.000	812.364	164.428
12-02	.000	523.131	.000	400.522	.00	3.12	1249.081	123.784	286.859	.000	838.438	499.526
12-03	.000	536.909	.000	411.071	.00	3.12	1281.980	127.044	287.857	.000	867.079	820.400
12-04	.000	510.063	.000	390.517	.00	3.12	1217.879	120.692	268.600	.000	828.587	1104.317
12-05	.000	484.560	.000	370.991	.00	3.12	1156.985	114.658	251.238	.000	791.089	1355.306
12-06	.000	446.284	.000	341.686	.00	3.12	1065.593	105.600	231.288	.000	728.705	1569.377
12-07	.000	362.018	.000	277.170	.00	3.12	864.392	85.661	198.516	.000	580.215	1727.200
12-08	.000	289.614	.000	221.736	.00	3.12	691.513	68.529	170.304	.000	452.680	1841.212
12-09	.000	231.692	.000	177.389	.00	3.12	553.211	54.823	147.325	.000	351.063	1923.081
12-10	.000	185.353	.000	141.911	.00	3.12	442.568	43.858	128.578	.000	270.132	1981.410
12-11	.000	148.282	.000	113.528	.00	3.12	354.052	35.087	113.273	.000	205.692	2022.535
12-12	.000	118.626	.000	90.823	.00	3.12	283.244	28.070	100.760	.000	154.414	2051.121
12-13	.000	94.901	.000	72.659	.00	3.12	226.597	22.456	90.513	.000	113.628	2070.598
12-14	.000	75.921	.000	58.127	.00	3.12	181.277	17.965	82.119	.000	81.193	2083.484
12-15	.000	60.736	.000	46.501	.00	3.12	145.020	14.372	75.225	.000	55.423	2091.629
12-16	.000	48.590	.000	37.202	.00	3.12	116.019	11.498	69.560	.000	34.961	2096.386
12-17	.000	38.871	.000	29.761	.00	3.12	92.814	9.198	64.898	.000	18.718	2098.744
12-18	.000	31.097	.000	23.809	.00	3.12	74.252	7.359	61.051	.000	5.842	2099.426
S TOT	.000	5668.518	.000	4339.960	.00	2.98	12933.157	1281.678	3857.383	580.012	7214.084	2099.426
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	2099.426
TOTAL	.000	5668.518	.000	4339.960	.00	2.98	12933.157	1281.678	3857.383	580.012	7214.084	2099.426
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
ULT.	.000	5668.518		NET GAS REVENUES (M$)			12933.157					
				TOTAL REVENUES (M$)			12933.157					

BTAX RATE OF RETURN (PCT)	25.12	PROJECT LIFE (YEARS)	28.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT	12/15/2000	DISCOUNT RATE (PCT)	8.000	.0	7214.084	30.0	-123.020
BTAX PAYOUT (DISC)	07/12/2001	GROSS OIL WELLS	.000	2.0	5272.642	35.0	-192.530
BTAX NET INCOME/INVEST	13.44	GROSS GAS WELLS	1.000	5.0	3322.394	40.0	-230.987
BTAX NET INCOME/INVEST (DISC)	5.66	GROSS WELLS	2.000	8.0	2099.426	45.0	-251.916
				10.0	1540.317	50.0	-262.731
				12.0	1121.038	60.0	-268.968
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000	15.0	675.374	70.0	-266.235
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000	18.0	377.912	80.0	-260.416
PRODUCTION START DATE	9/01/90	INITIAL NET GAS FRACTION	.765625	20.0	235.330	90.0	-253.694
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.765625	25.0	3.014	100.0	-246.930

WATER GROSS PROD. (MU)	485.890	WATER NET PRODUCTION (MU)	372.009	WATER NET REVENUES (M$)	.000

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101 ROSA UNIT #334
102 PROPNUM 81367-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
   120 1 90 12 08 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	9/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.76562500	3.650	9.000	1.0	
224	WATER	.000	.76562500	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	25.	.000	.000
320	3.	55.000	1.000
336	3.	743.000	3679.000
337	3.	6727.000	3189.000
338	3.	12793.000	2613.000
339	3.	9392.000	972.000
340	3.	8512.000	560.000
341	3.	9244.000	2720.000
342	3.	2230.000	1120.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	83.000	1.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	4712.000	4730.000
349	3.	2117.000	4880.000
350	3.	4474.000	9120.000
351	3.	4830.000	6800.000
352	3.	7874.000	6480.000
353	3.	14725.000	7680.000
354	3.	36935.000	9040.000
355	3.	45070.000	9040.000
356	3.	45600.000	8000.000
357	3.	54220.000	8120.000
358	3.	40931.000	8240.000
359	3.	31354.000	6910.000
360	3.	35871.000	6810.000
361	3.	50097.000	9130.000
362	3.	79833.000	12240.000
363	3.	81161.000	11215.000
364	3.	85096.000	10680.000
365	3.	80495.000	10480.000
366	3.	94496.000	11640.000
367	3.	114872.000	11320.000
368	3.	118384.000	10880.000
369	3.	124756.000	10720.000
370	3.	133403.000	9120.000
371	3.	140785.000	9920.000
372	3.	131222.000	8720.000
373	3.	132602.000	8660.000
374	3.	129601.000	8480.000
375	3.	129706.000	8640.000
376	3.		

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		5.000	1509.031	X	3.389	IYRS	D		
CALC	GAS	EXP	END=	5.000	1509.031	1268.246	16.389	YRS	D	3718.413	MMCF
411	GAS	EXP		20.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	20.000	1268.246	1.570	46.389	YRS	D	5790.338	MMCF
420	WATER	EXP		13.385	97.734	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	13.385	97.734	.852	46.000	YRS	D	508.636	M-UNITS

600 SERIES LINES:

```
   602 DATA BTU : 0.9458 TO LIFE
   605 DATA WATERC : 2.50 TO LIFE
   612 DATA GASC : .4187 TO LIFE
   613 COMPUTE GASC = GASC * BTU
   615 DATA OPCOST : 0 UNTIL 1992.0 AD : 1000 UNTIL 1999.0 AD THEN 3500 LIFE

   629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
```

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805 ! DRILL AND COMPLETE

        INV NAME          INV. POINT          (G OR N)     TANG-M$   INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
        --------    --------------------      --------     -------   ---------   ---------   ---------   ---------
805       INVEST      1991.100     AD             G         218.122     126.000        .000
806 ! RECAV
806       INVEST      1999.250     AD             G         100.000     106.200        .000
807 ! CHANGE PUMP
807       INVEST      2000.250     AD             G          23.690       6.000        .000

853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          28.000
GROSS GAS     (MMCF):        5668.518
GROSS WATER     (MU):         485.890
```
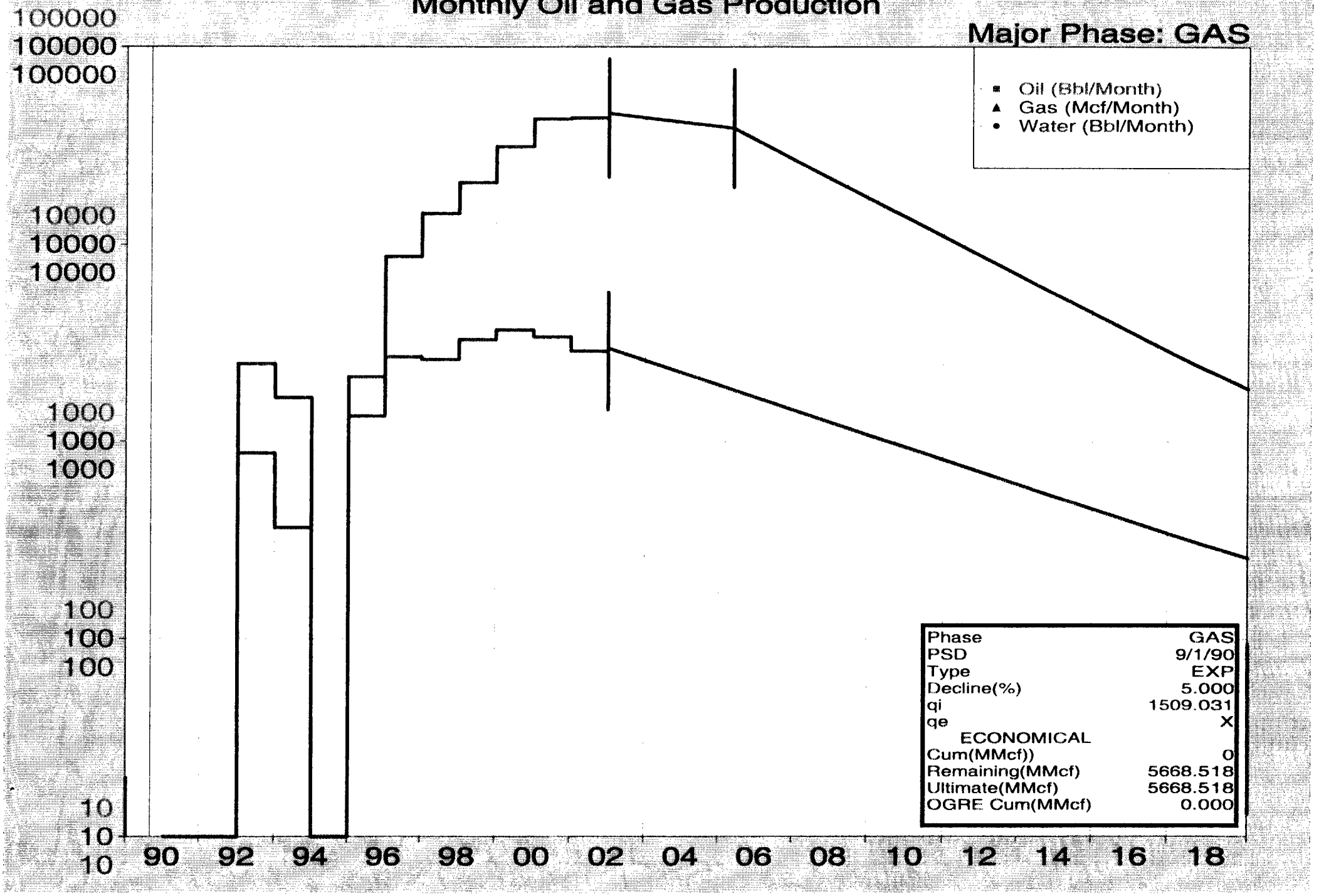

ROSA UNIT #334
31N 5W 32A
Monthly Oil and Gas Production



ROSA UNIT #335
PROPNUM 81247-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/20/03
TIME: 14:39:40
FILE: FTC_COM
PROP: 91
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF NOVEMBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	6.000	331.900	-337.900	-330.858
12-92	.000	1.958	.000	1.713	.00	1.77	3.030	.301	24.928	.000	-22.199	-350.385
12-93	.000	7.323	.000	6.408	.00	1.53	9.774	.969	42.113	.000	-33.308	-377.513
12-94	.000	2.457	.000	2.150	.00	1.10	2.374	.236	16.494	.000	-14.356	-388.339
12-95	.000	.015	.000	.013	.00	1.30	.017	.002	.405	.000	-.390	-388.611
12-96	.000	.000	.000	.000	.00	1.55	.000	.000	3.800	.000	-3.800	-391.068
12-97	.000	.922	.000	.807	.00	2.17	1.752	.174	29.536	.000	-27.958	-407.805
12-98	.000	3.733	.000	3.266	.00	1.74	5.685	.564	71.158	.000	-66.037	-444.410
12-99	.000	31.280	.000	27.370	.00	1.93	52.762	5.229	81.183	.000	-33.650	-461.681
12-00	.000	4.094	.000	3.582	.00	3.30	11.833	1.173	66.190	.000	-55.530	-488.071
12-01	.000	28.062	.000	24.554	.00	3.28	80.421	7.970	95.012	380.510	-403.071	-668.030
12-02	.000	47.857	.000	41.875	.00	3.28	137.151	13.592	101.816	.000	21.743	-659.171
12-03	.000	62.750	.000	54.906	.00	3.28	179.831	17.821	102.455	.000	59.555	-636.704
12-04	.000	101.643	.000	88.938	.00	3.28	291.295	28.868	107.457	.000	154.970	-582.572
12-05	.000	161.089	.000	140.953	.00	3.28	461.657	45.750	121.857	.000	294.050	-487.466
12-06	.000	177.885	.000	155.649	.00	3.28	509.791	50.520	122.257	.000	337.014	-386.539
12-07	.000	172.441	.000	150.886	.00	3.28	494.191	48.974	115.761	.000	329.456	-295.183
12-08	.000	167.165	.000	146.269	.00	3.28	479.069	47.476	110.271	.000	321.322	-212.683
12-09	.000	162.049	.000	141.793	.00	3.28	464.409	46.023	105.591	.000	312.795	-138.321
12-10	.000	151.386	.000	132.463	.00	3.28	433.850	42.995	99.481	.000	291.374	-74.183
12-11	.000	133.273	.000	116.614	.00	3.28	381.941	37.851	91.132	.000	252.958	-22.626
12-12	.000	117.240	.000	102.585	.00	3.28	335.992	33.297	83.905	.000	218.790	18.664
12-13	.000	103.136	.000	90.244	.00	3.28	295.572	29.291	77.672	.000	188.609	51.622
12-14	.000	90.729	.000	79.388	.00	3.28	260.016	25.767	72.290	.000	161.959	77.827
12-15	.000	79.814	.000	69.837	.00	3.28	228.734	22.667	67.630	.000	138.437	98.567
12-16	.000	70.212	.000	61.436	.00	3.28	201.219	19.941	63.594	.000	117.684	114.892
12-17	.000	61.766	.000	54.045	.00	3.28	177.011	17.542	60.092	.000	99.377	127.656
12-18	.000	54.335	.000	47.543	.00	3.28	155.716	15.431	57.048	.000	83.237	137.555
12-19	.000	47.799	.000	41.824	.00	3.28	136.984	13.576	54.402	.000	69.006	145.154
12-20	.000	35.410	.000	30.984	.00	3.28	101.481	10.056	43.564	.000	47.861	150.065
S TOT	.000	2077.823	.000	1818.095	.00	3.24	5893.558	584.056	2095.094	712.410	2501.998	150.065
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	150.065
TOTAL	.000	2077.823	.000	1818.095	.00	3.24	5893.558	584.056	2095.094	712.410	2501.998	150.065
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			5893.558					
ULT.	.000	2077.823		TOTAL REVENUES (M$)			5893.558					

BTAX RATE OF RETURN (PCT)	9.65	PROJECT LIFE (YEARS)	29.833		
BTAX PAYOUT	05/24/2007	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	07/18/2012	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	4.51	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	1.30	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	11/01/90	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	197.180	WATER NET PRODUCTION (MU)	172.533	WATER NET REVENUES (M$)	.000

PRESENT WORTH PROFILE

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	2501.998	30.0	-365.422
2.0	1496.921	35.0	-360.214
5.0	615.410	40.0	-352.774
8.0	150.065	45.0	-345.100
10.0	-32.317	50.0	-337.895
12.0	-152.820	60.0	-325.495
15.0	-261.258	70.0	-315.472
18.0	-318.531	80.0	-307.210
20.0	-340.101	90.0	-300.201
25.0	-363.182	100.0	-294.109

```
101 ROSA UNIT #335
102 PROPNUM 81247-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 90 12 11 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3600.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	.0	

300 SERIES LINES:

	MAN FACT	GAS	WATER
305		1.000	1.000
310	14.	.000	.000
320	3.	1010.000	3161.000
325	3.	917.000	4123.000
326	3.	31.000	2.000
327	3.	.000	.000
328	3.	857.000	1729.000
329	3.	1413.000	3740.000
330	3.	2421.000	5110.000
331	3.	2632.000	2800.000
332	3.	1605.000	2720.000
333	3.	852.000	1120.000
334	3.	.000	.000
335	3.	.000	.000
336	3.	15.000	80.000
337	3.	.000	80.000
338	3.	.000	.000
339	3.	.000	.000
340	3.	.000	.000
341	3.	.000	.000
342	3.	.000	400.000
343	3.	.000	1120.000
344	3.	.000	.000
345	3.	72.000	3440.000
346	3.	482.000	4160.000
347	3.	368.000	4080.000
348	3.	961.000	3600.000
349	3.	930.000	3840.000
350	3.	479.000	2560.000
351	3.	1363.000	3520.000
352	3.	12849.000	3680.000
353	3.	10892.000	3280.000
354	3.	3196.000	3360.000
355	3.	4343.000	3200.000
356	3.	917.000	2900.000
357	3.	1219.000	3300.000
358	3.	1021.000	2640.000
359	3.	937.000	2640.000
360	3.	609.000	2480.000
361	3.	5865.000	4640.000
362	3.	11173.000	6720.000
363	3.	10415.000	5680.000
364	3.	10669.000	5200.000
365	3.	8986.000	4960.000
366	3.	10648.000	4560.000
367	3.	17554.000	4640.000
368			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-61.980	133.780	X	2.730	IYRS	D		
CALC	GAS	EXP	END=	-61.980	133.780	499.138	15.730	YRS	D	404.199	MMCF
411	GAS	EXP		3.060	LAST	X	4.390	IYRS	D		
CALC	GAS	EXP	END=	3.060	499.138	435.481	20.120	YRS	D	1151.833	MMCF
412	GAS	EXP		12.030	LAST	X	30.000	YRS	D		
CALC	GAS	EXP	END=	12.030	435.481	110.308	30.833	YRS	D	2077.823	MMCF
420	WATER	EXP		20.980	53.650	X	30.000	YRS	D		
CALC	WATER	EXP	END=	20.980	53.650	.805	30.833	YRS	D	197.180	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9933 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 500 UNTIL 1995.0 AD : 0 UNTIL 1998.0 AD THEN 3000 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
```

```
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	218.900	113.000	.000		
806	! RECAV								
806	INVEST	2001.300	AD	G	275.000	105.510	.000		

```
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG
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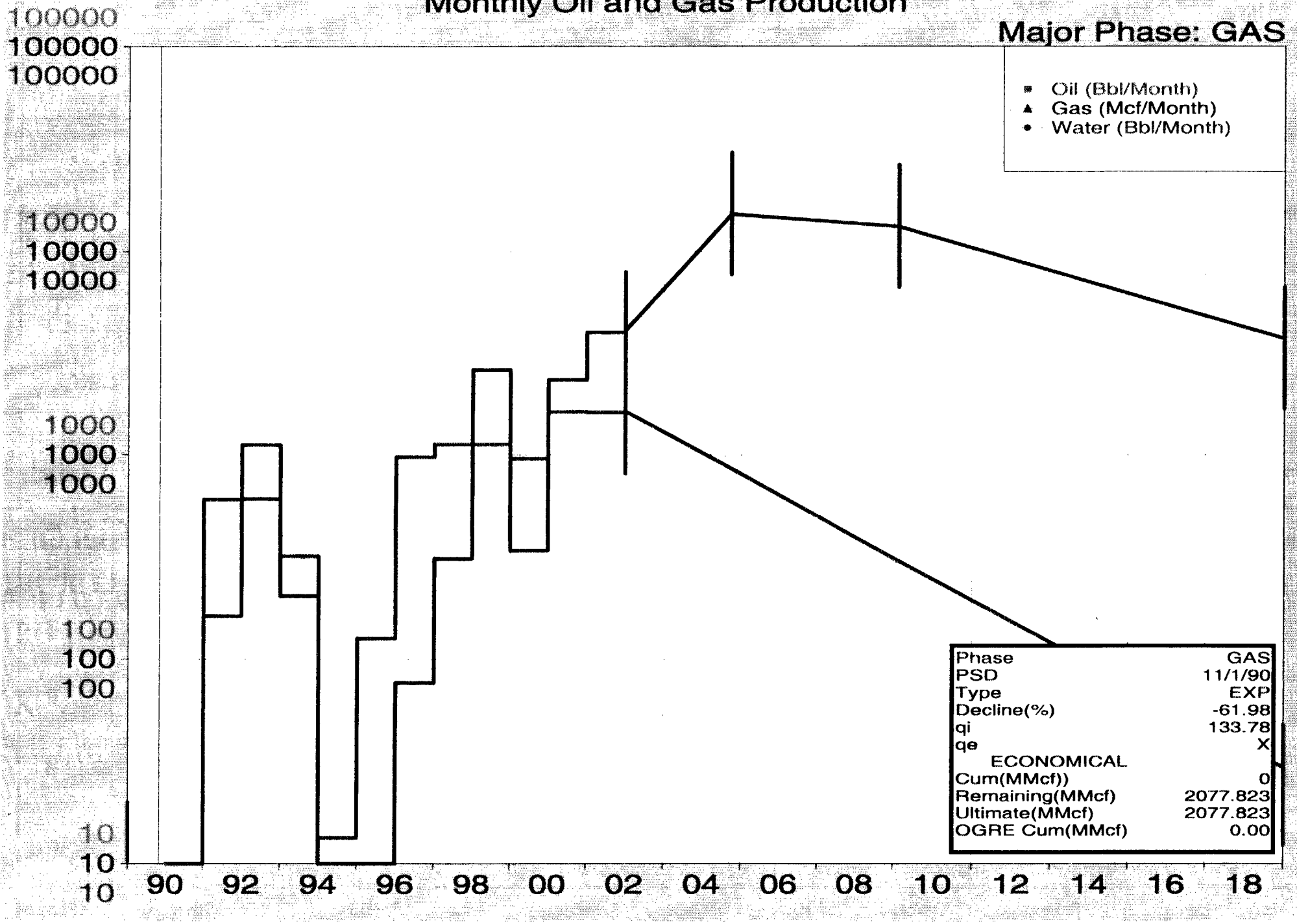
ROSA UNIT #335
31N 5W 5L
Monthly Oil and Gas Production



ROSA UNIT #336
PROPNUM 81248-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 05:52:20
FILE: FTC_COM
PROP: 92
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF NOVEMBER 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.084	.000	.074	.00	1.55	.115	.011	12.031	326.700	-338.627	-331.393
12-92	.000	49.589	.000	43.390	.00	1.78	77.166	7.647	54.479	.000	15.040	-318.164
12-93	.000	21.875	.000	19.141	.00	1.53	29.358	2.909	41.635	.000	-15.186	-330.532
12-94	.000	7.041	.000	6.161	.00	1.11	6.841	.678	21.376	.000	-15.213	-342.005
12-95	.000	.138	.000	.121	.00	1.31	.158	.015	33.150	.000	-33.007	-365.053
12-96	.000	.052	.000	.046	.00	1.56	.072	.007	30.619	.000	-30.554	-384.808
12-97	.000	14.491	.000	12.680	.00	2.18	27.681	2.743	46.103	.000	-21.165	-397.478
12-98	.000	105.478	.000	92.293	.00	1.75	161.532	16.008	91.997	.000	53.527	-367.808
12-99	.000	104.070	.000	91.061	.00	1.94	176.512	17.492	99.482	.000	59.538	-337.250
12-00	.000	12.793	.000	11.194	.00	3.32	37.182	3.684	65.731	.000	-32.233	-352.568
12-01	.000	50.668	.000	44.335	.00	3.29	146.013	14.470	142.541	314.000	-324.998	-497.719
12-02	.000	61.286	.000	53.625	.00	3.29	176.608	17.502	142.826	.000	16.280	-491.086
12-03	.000	61.879	.000	54.144	.00	3.29	178.317	17.672	133.966	.000	26.679	-481.021
12-04	.000	58.785	.000	51.437	.00	3.29	169.402	16.788	120.356	.000	32.258	-469.753
12-05	.000	54.412	.000	47.611	.00	3.29	156.802	15.539	108.524	.000	32.739	-459.164
12-06	.000	46.201	.000	40.426	.00	3.29	133.139	13.195	97.129	.000	22.815	-452.331
12-07	.000	38.962	.000	34.092	.00	3.29	112.278	11.127	87.600	.000	13.551	-448.573
12-08	.000	32.856	.000	28.749	.00	3.29	94.682	9.383	79.723	.000	5.576	-447.141
S TOT	.000	720.660	.000	630.580	.00	2.67	1683.858	166.870	1409.268	640.700	-532.980	-447.141
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-447.141
TOTAL	.000	720.660	.000	630.580	.00	2.67	1683.858	166.870	1409.268	640.700	-532.980	-447.141
CUM.	.000	.000										
ULT.	.000	720.660										

NET OIL REVENUES (M$)	.000		
NET GAS REVENUES (M$)	1683.858		
TOTAL REVENUES (M$)	1683.858		
PROJECT LIFE (YEARS)	18.000		
DISCOUNT RATE (PCT)	8.000		
GROSS OIL WELLS	.000		
GROSS GAS WELLS	1.000		
GROSS WELLS	1.000		
INITIAL NET OIL FRACTION	.000000		
FINAL NET OIL FRACTION	.000000		
INITIAL NET GAS FRACTION	.875000		
FINAL NET GAS FRACTION	.875000		
WATER NET PRODUCTION (MU)	.000		

BTAX RATE OF RETURN (PCT)	.00
BTAX PAYOUT	LIFE
BTAX PAYOUT (DISC)	LIFE
BTAX NET INCOME/INVEST	.17
BTAX NET INCOME/INVEST (DISC)	.03
INITIAL W.I. FRACTION	1.000000
FINAL W.I. FRACTION	1.000000
PRODUCTION START DATE	10/01/90
MONTHS IN FIRST LINE	12.00
WATER GROSS PROD. (MU)	223.023

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-532.980	30.0	-344.742
2.0	-508.127	35.0	-334.344
5.0	-475.059	40.0	-325.991
8.0	-447.141	45.0	-319.099
10.0	-431.179	50.0	-313.281
12.0	-417.097	60.0	-303.844
15.0	-399.048	70.0	-296.339
18.0	-384.087	80.0	-290.078
20.0	-375.530	90.0	-284.668
25.0	-358.046	100.0	-279.888

WATER NET REVENUES (M$) .000

CASE NAME: ROSA UNIT #336 -TEST -1PDP-RLG-1622.01 -BASIN

```
101 ROSA UNIT #336
102 PROPNUM 81248-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 90 12 11 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3600.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	9.	.000	.000
325	3.	53.000	.000
326	3.	31.000	.000
327	3.	8491.000	1781.000
328	3.	17265.000	1631.000
329	3.	13488.000	637.000
330	3.	10345.000	5684.000
331	3.	5512.000	1683.000
332	3.	7795.000	2479.000
333	3.	5308.000	2650.000
334	3.	3260.000	1840.000
335	3.	4031.000	2000.000
336	3.	3010.000	720.000
337	3.	.000	.000
338	3.	.000	.000
339	3.	76.000	.000
340	3.	50.000	160.000
341	3.	.000	160.000
342	3.	12.000	920.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	52.000	240.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	124.000	720.000
349	3.	826.000	1600.000
350	3.	13541.000	2000.000
351	3.	21337.000	2480.000
352	3.	41328.000	2560.000
353	3.	28910.000	2240.000
354	3.	13903.000	2080.000
355	3.	45465.000	2000.000
356	3.	34659.000	1920.000
357	3.	17650.000	2000.000
358	3.	6296.000	1840.000
359	3.	2825.000	1800.000
360	3.	3924.000	2300.000
361	3.	4711.000	1840.000
362	3.	1333.000	1680.000
363	3.	4309.000	3760.000
364	3.	14935.000	10960.000
365	3.	16107.000	9160.000
366	3.	15317.000	8920.000
367	3.	15716.000	8320.000
368	3.	15889.000	8320.000
369	3.	15698.000	7760.000
370	3.	13983.000	6960.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		5.000	5289.960	X	2.330	IYRS	M		
CALC	GAS	EXP	END=	5.000	5289.960	4694.057	15.330	YRS	M	566.976	MMCF
411	GAS	EXP		15.670	LAST	X	16.410	IYRS	M		
CALC	GAS	EXP	END=	15.670	4694.057	286.362	31.740	YRS	M	877.318	MMCF
420	WATER	EXP		18.000	2547.620	X	30.000	YRS	M		
CALC	WATER	EXP	END=	18.000	2547.620	75.220	30.750	YRS	M	265.307	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9988 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
```

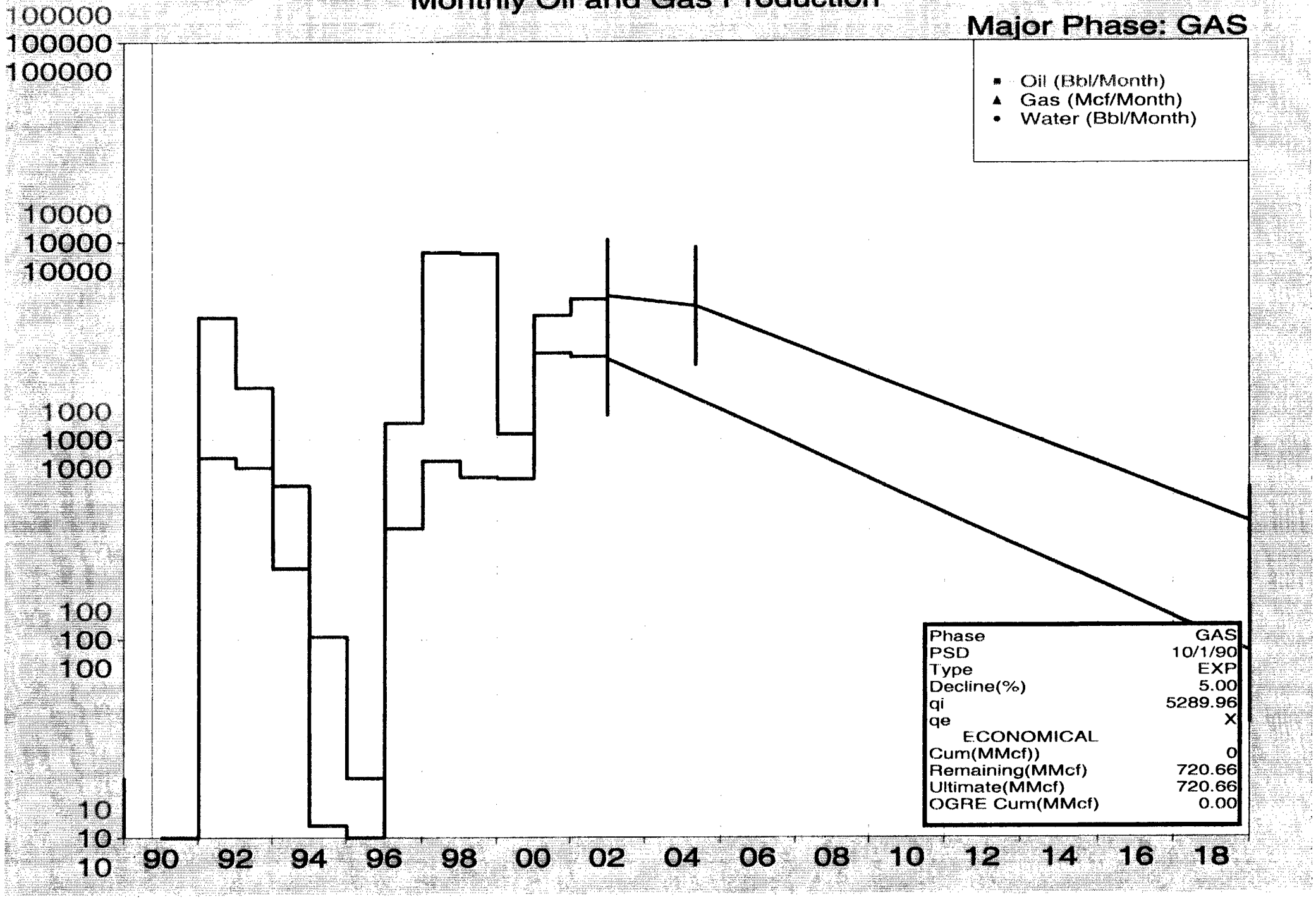
```
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	214.700	112.000	.000		
806	! RECAV								
806	INVEST	2001.300	AD	G	165.000	149.000	.000		

```
   853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   ECONOMIC LIFE  (YRS):          18.000
   GROSS GAS     (MMCF):         720.660
   GROSS WATER     (MU):         223.023
```

ROSA UNIT #336
31N 5W 8B
Monthly Oil and Gas Production



ROSA UNIT #337
PROPNUM 82191-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/18/03
TIME: 10:22:16
FILE: FTC_COM
PROP: 93
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1997

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-98	.000	248.489	.000	217.428	.00	1.65	358.521	35.530	201.504	443.149	-321.662	-316.699
12-99	.000	401.236	.000	351.082	.00	1.83	641.154	63.539	264.975	.000	312.640	-43.454
12-00	.000	505.494	.000	442.307	.00	3.13	1384.156	137.170	291.968	.000	955.018	729.398
12-01	.000	640.840	.000	560.735	.00	3.10	1739.852	172.420	329.531	.000	1237.901	1656.968
12-02	.000	731.784	.000	640.311	.00	3.10	1986.761	196.888	350.680	.000	1439.193	2655.487
12-03	.000	738.220	.000	645.943	.00	3.10	2004.236	198.620	349.794	.000	1455.822	3590.724
12-04	.000	704.624	.000	616.546	.00	3.10	1913.023	189.581	329.897	.000	1393.545	4419.640
12-05	.000	672.556	.000	588.487	.00	3.10	1825.961	180.952	311.827	.000	1333.182	5153.909
12-06	.000	637.804	.000	558.079	.00	3.10	1731.611	171.603	293.921	.000	1266.087	5799.572
12-07	.000	552.220	.000	483.193	.00	3.10	1499.254	148.576	259.419	.000	1091.259	6314.855
12-08	.000	463.865	.000	405.882	.00	3.10	1259.373	124.804	224.739	.000	909.830	6712.646
12-09	.000	389.646	.000	340.940	.00	3.10	1057.871	104.835	195.592	.000	757.444	7019.281
12-10	.000	327.303	.000	286.390	.00	3.10	888.613	88.061	171.095	.000	629.457	7255.227
12-11	.000	274.935	.000	240.568	.00	3.10	746.436	73.972	150.503	.000	521.961	7436.387
12-12	.000	230.945	.000	202.077	.00	3.10	627.006	62.137	133.201	.000	431.668	7575.110
12-13	.000	193.994	.000	169.745	.00	3.10	526.686	52.195	118.652	.000	355.839	7680.994
12-14	.000	162.954	.000	142.585	.00	3.10	442.414	43.843	106.428	.000	292.143	7761.485
12-15	.000	136.882	.000	119.772	.00	3.10	371.629	36.829	96.150	.000	238.650	7822.367
12-16	.000	114.981	.000	100.608	.00	3.10	312.167	30.936	87.517	.000	193.714	7868.125
12-17	.000	96.584	.000	84.511	.00	3.10	262.221	25.986	80.255	.000	155.980	7902.240
12-18	.000	81.131	.000	70.990	.00	3.10	220.268	21.828	74.158	.000	124.282	7927.409
12-19	.000	68.149	.000	59.630	.00	3.10	185.020	18.336	69.027	.000	97.657	7945.721
12-20	.000	57.246	.000	50.090	.00	3.10	155.420	15.402	64.715	.000	75.303	7958.795
12-21	.000	48.086	.000	42.075	.00	3.10	130.551	12.938	61.096	.000	56.517	7967.881
12-22	.000	40.393	.000	35.344	.00	3.10	109.666	10.868	58.048	.000	40.750	7973.947
12-23	.000	33.930	.000	29.689	.00	3.10	92.119	9.129	55.490	.000	27.500	7977.737
12-24	.000	28.501	.000	24.938	.00	3.10	77.378	7.668	53.339	.000	16.371	7979.826
12-25	.000	23.941	.000	20.948	.00	3.10	64.998	6.441	51.532	.000	7.025	7980.656
S TOT	.000	8606.733	.000	7530.893	.00	3.00	22614.365	2241.087	4835.053	443.149	15095.076	7980.656
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	7980.656
TOTAL	.000	8606.733	.000	7530.893	.00	3.00	22614.365	2241.087	4835.053	443.149	15095.076	7980.656
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			22614.365					
ULT.	.000	8606.733		TOTAL REVENUES (M$)			22614.365					

						DISC RATE	PRESENT WORTH PROFILE: PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)	100.00	PROJECT LIFE (YEARS)	28.000			.0	15095.076	30.0	2329.060
BTAX PAYOUT	01/04/2000	DISCOUNT RATE (PCT)	8.000			2.0	12677.477	35.0	1866.089
BTAX PAYOUT (DISC)	01/21/2000	GROSS OIL WELLS	.000			5.0	9955.678	40.0	1514.193
BTAX NET INCOME/INVEST	35.06	GROSS GAS WELLS	1.000			8.0	7980.656	45.0	1241.028
BTAX NET INCOME/INVEST (DISC)	19.50	GROSS WELLS	1.000			10.0	6954.310	50.0	1025.123
						12.0	6101.483	60.0	710.720
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000			15.0	5071.103	70.0	497.799
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000			18.0	4264.544	80.0	347.615
PRODUCTION START DATE	11/01/97	INITIAL NET GAS FRACTION	.875000			20.0	3821.117	90.0	238.170
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000			25.0	2953.483	100.0	156.255
WATER GROSS PROD. (MU)	281.559	WATER NET PRODUCTION (MU)	.000			WATER NET REVENUES (M$)		.000	

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101 ROSA UNIT #337
102 PROPNUM 82191-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 97 12 10 01 1997 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	11/01/1997

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	2.	.000	.000
320	3.	34065.000	8835.000
357	3.	57224.000	7480.000
358	3.	73807.000	9620.000
359	3.	83393.000	8400.000
360	3.	87246.000	8560.000
361	3.	104948.000	8500.000
362	3.	106166.000	8800.000
363	3.	102876.000	8000.000
364	3.	124395.000	7800.000
365	3.	125925.000	7680.000
366	3.	130090.000	7840.000
367	3.	125084.000	6960.000
368	3.	147872.000	7441.000
369	3.	167331.000	6400.000
370	3.	160855.000	6400.000
371	3.	164782.000	6400.000
372	3.	188797.000	5840.000
373	3.	185572.000	5360.000
374	3.	165648.000	5520.000
375	3.	191767.000	5840.000
376	3.		

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
411	GAS	EXP		4.551	2069.989	X	3.677	IYR	D		
CALC	GAS	EXP	END=	4.551	2069.989	1744.164	9.677	YRS	D	5081.102	MMCF
412	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	1744.164	9.332	39.677	YRS	D	8712.886	MMCF
420	WATER	EXP		15.601	63.499	X	34.000	IYRS	D		
CALC	WATER	EXP	END=	15.601	63.499	.199	40.000	YRS	D	283.894	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.941 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1998.100 AD	G	280.000	163.149	.000		

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853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE (YRS):      28.000
GROSS GAS     (MMCF):   8606.733
GROSS WATER     (MU):     281.559
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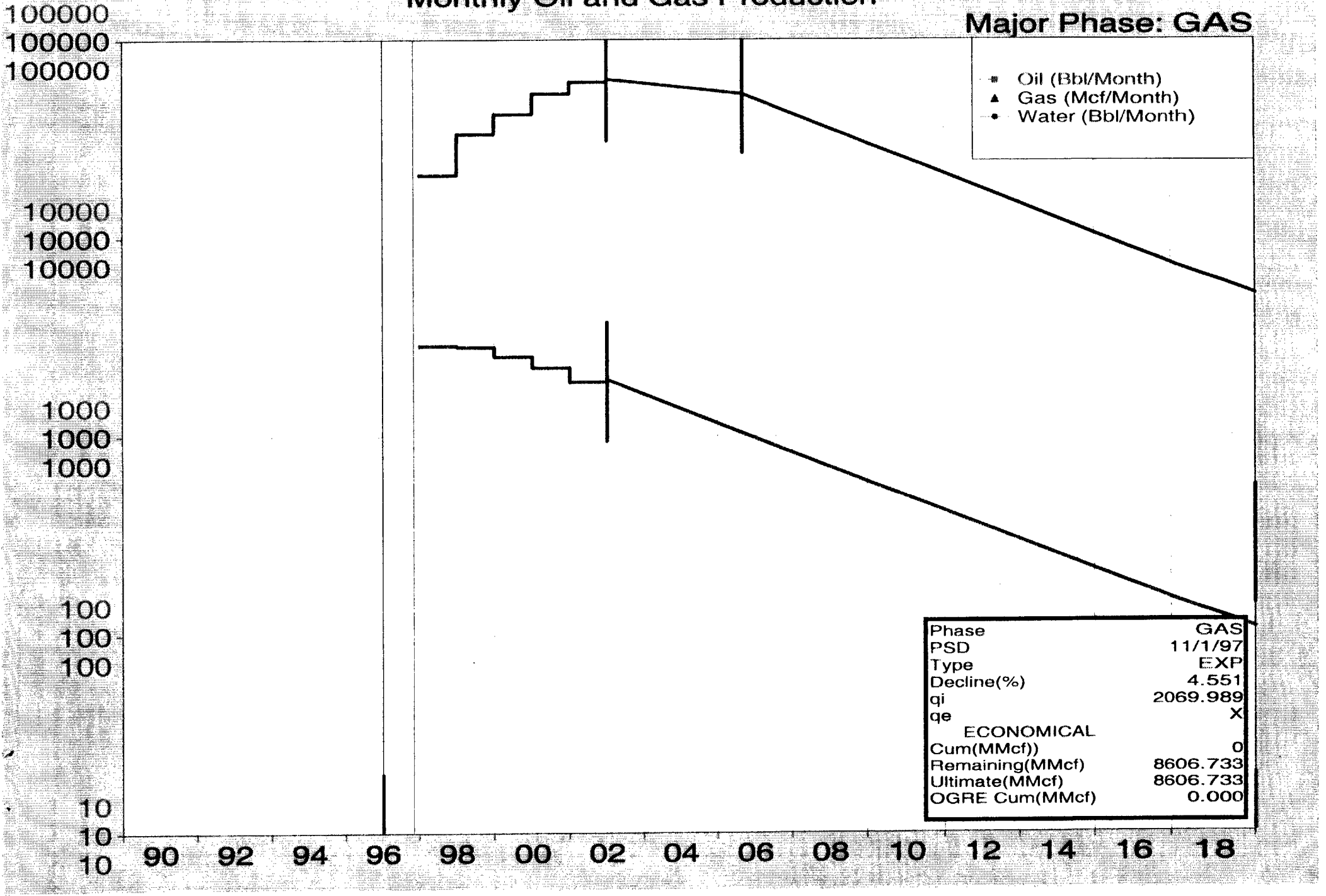
ROSA UNIT #337
31N 5W 32K
Monthly Oil and Gas Production



ROSA UNIT #338
PROPNUM 82202-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/18/03
TIME: 10:18:53
FILE: FTC_COM
PROP: 94
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JANUARY 1, 1997

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-98	.000	1087.728	.000	951.762	.00	1.63	1553.869	153.988	419.298	434.110	546.473	474.801
12-99	.000	1040.595	.000	910.521	.00	1.81	1646.381	163.156	409.347	.000	1073.878	1360.723
12-00	.000	959.807	.000	839.831	.00	3.10	2602.194	257.877	376.120	.000	1968.197	2864.161
12-01	.000	874.037	.000	764.782	.00	3.07	2349.518	232.838	343.544	.000	1773.136	4118.270
12-02	.000	754.562	.000	660.242	.00	3.07	2028.357	201.010	301.562	.000	1525.785	5117.494
12-03	.000	737.998	.000	645.748	.00	3.07	1983.829	196.598	295.643	.000	1491.588	6021.965
12-04	.000	678.959	.000	594.089	.00	3.07	1825.125	180.870	275.099	.000	1369.156	6790.697
12-05	.000	599.493	.000	524.556	.00	3.07	1611.510	159.701	247.666	.000	1204.143	7416.700
12-06	.000	470.917	.000	412.052	.00	3.07	1265.882	125.449	203.541	.000	936.892	7867.687
12-07	.000	367.315	.000	321.401	.00	3.07	987.389	97.850	167.997	.000	721.542	8189.284
12-08	.000	286.505	.000	250.692	.00	3.07	770.161	76.322	140.274	.000	553.565	8417.736
12-09	.000	223.475	.000	195.541	.00	3.07	600.730	59.533	118.649	.000	422.548	8579.201
12-10	.000	174.310	.000	152.521	.00	3.07	468.566	46.435	101.782	.000	320.349	8692.546
12-11	.000	135.961	.000	118.966	.00	3.07	365.480	36.219	88.629	.000	240.632	8771.379
12-12	.000	106.051	.000	92.795	.00	3.07	285.079	28.251	78.367	.000	178.461	8825.514
12-13	.000	82.719	.000	72.379	.00	3.07	222.358	22.035	70.368	.000	129.955	8862.015
12-14	.000	64.521	.000	56.456	.00	3.07	173.441	17.188	64.124	.000	92.129	8885.975
12-15	.000	50.326	.000	44.035	.00	3.07	135.282	13.406	59.256	.000	62.620	8901.054
12-16	.000	39.255	.000	34.348	.00	3.07	105.522	10.457	55.459	.000	39.606	8909.885
12-17	.000	30.618	.000	26.791	.00	3.07	82.306	8.157	52.499	.000	21.650	8914.355
12-18	.000	23.883	.000	20.898	.00	3.07	64.202	6.362	50.187	.000	7.653	8915.818
S TOT	.000	8789.035	.000	7690.406	.00	2.75	21127.181	2093.702	3919.411	434.110	14679.958	8915.818
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	8915.818
TOTAL	.000	8789.035	.000	7690.406	.00	2.75	21127.181	2093.702	3919.411	434.110	14679.958	8915.818
CUM.	.000	248.515		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			21127.181					
ULT.	.000	9037.550		TOTAL REVENUES (M$)			21127.181					

						PRESENT WORTH PROFILE			
						DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)	100.00	PROJECT LIFE (YEARS)	21.000			.0	14679.958	30.0	3363.674
BTAX PAYOUT	06/10/1998	DISCOUNT RATE (PCT)	8.000			2.0	12823.794	35.0	2835.928
BTAX PAYOUT (DISC)	06/15/1998	GROSS OIL WELLS	.000			5.0	10615.188	40.0	2421.853
BTAX NET INCOME/INVEST	34.82	GROSS GAS WELLS	1.000			8.0	8915.818	45.0	2091.203
BTAX NET INCOME/INVEST (DISC)	23.35	GROSS WELLS	1.000			10.0	7993.851	50.0	1823.095
						12.0	7204.268	60.0	1419.554
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000			15.0	6217.824	70.0	1134.986
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000			18.0	5417.107	80.0	926.947
PRODUCTION START DATE	7/01/97	INITIAL NET GAS FRACTION	.875000			20.0	4964.661	90.0	770.330
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000			25.0	4050.147	100.0	649.518
WATER GROSS PROD. (MU)	19.743	WATER NET PRODUCTION (MU)	.000			WATER NET REVENUES (M$)		.000	

CASE NAME: ROSA UNIT #338 -TEST -1PDP-RLG-3008.01 -BASIN

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101 ROSA UNIT #338
102 PROPNUM 82202-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 97 12 01 01 1997 B 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	7/01/1997

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

300 SERIES LINES:

	MAN	GAS	WATER
310	FACT	1.000	1.000
320	0.	.000	.000
325	3.	48519.000	3200.000
326	3.	200004.000	4560.000
327	3.	286094.000	320.000
328	3.	284065.000	2485.000
329	3.	257037.000	2400.000
330	3.	260531.000	2000.000
331	3.	268733.000	1440.000
332	3.	251268.000	1200.000
333	3.	254676.000	1340.000
334	3.	265918.000	880.000
335	3.	246508.000	780.000
336	3.	238975.000	860.000
337	3.	245777.000	640.000
338	3.	228546.000	320.000
339	3.	222574.000	400.000
340	3.	196279.000	240.000
341	3.	233016.000	320.000
342	3.	222168.000	320.000
343	3.	151555.000	240.000
344	3.	174820.000	160.000
345	3.	226167.000	160.000
346	3.	202022.000	240.000

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	8.000	2107.380	X	2.280	IYRS	D		
CALC	GAS	EXP	END= 8.000	2107.380	1742.525	8.280	YRS	D	6562.382	MMCF
411	GAS	EXP	22.000	LAST	X	30.000	YRS	D		
CALC	GAS	EXP	END= 22.000	1742.525	6.975	30.500	YRS	D	9111.978	MMCF
420	WATER	EXP	22.800	2.160	X	30.000	IYRS	D		
CALC	WATER	EXP	END= 22.800	2.160	.001	36.000	YRS	D	27.550	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9317 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1998.100 AD	G	325.580	108.530	.000		

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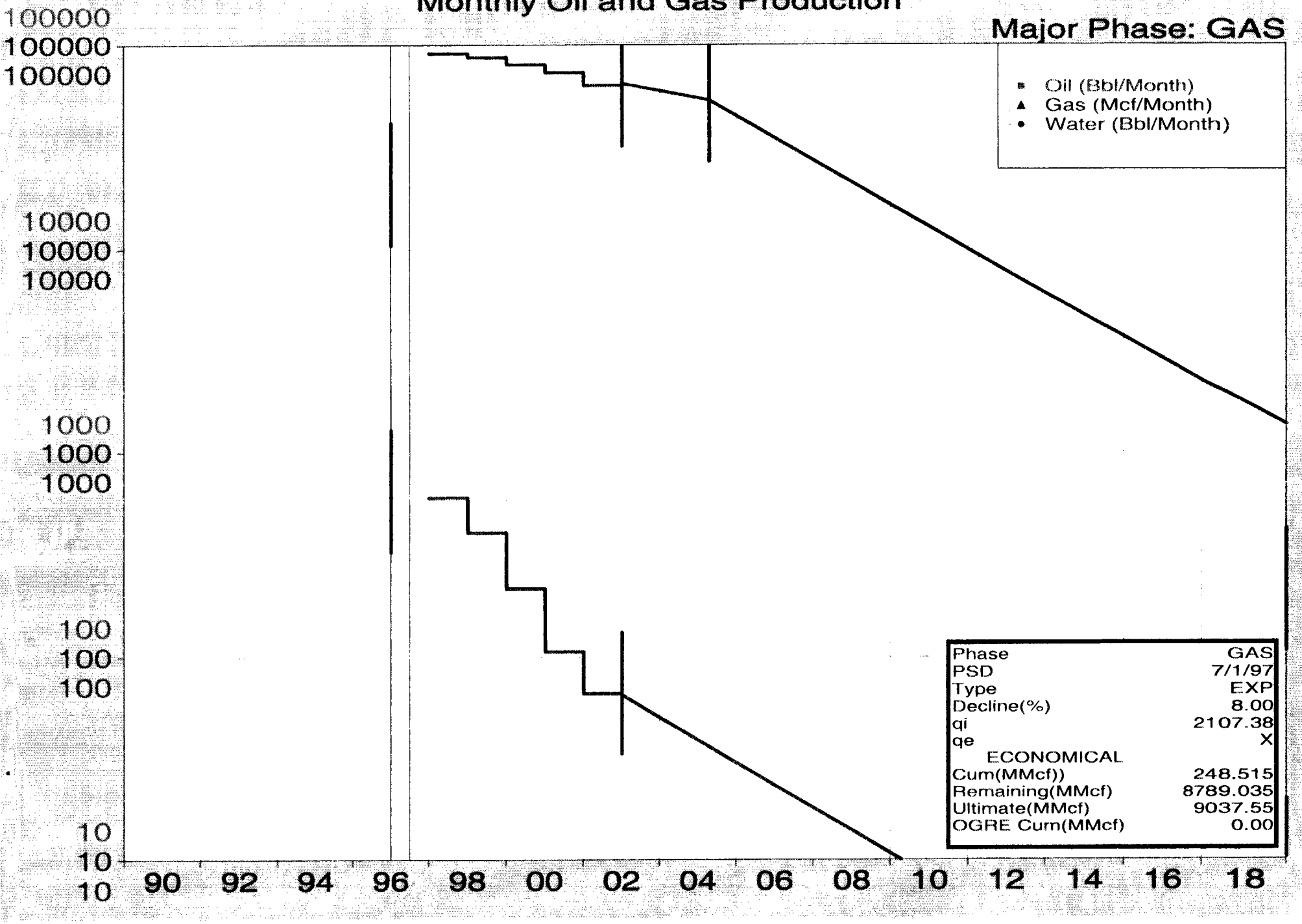
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG
```

ECONOMIC LIFE (YRS): 21.000
GROSS GAS (MMCF): 8789.035
GROSS WATER (MU): 19.743

ROSA UNIT #338
32N 6W 32K
Monthly Oil and Gas Production



ROSA UNIT #339
.ROPNUM 82570-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
SAN JUAN COUNTY ,NM

DATE: 08/18/03
TIME: 10:24:31
FILE: FTC_COM
PROP: 95
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF JANUARY 1, 1998

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-98	.000	299.460	.000	262.028	.00	1.65	431.971	42.808	117.316	.000	271.847	254.143
12-99	.000	1312.939	.000	1148.822	.00	1.83	2097.559	207.868	506.736	470.000	912.955	1054.469
12-00	.000	1158.308	.000	1013.520	.00	3.13	3171.037	314.249	444.576	.000	2412.212	3044.483
12-01	.000	1081.332	.000	946.166	.00	3.10	2935.146	290.873	416.707	.000	2227.566	4746.044
12-02	.000	908.016	.000	794.514	.00	3.10	2464.699	244.252	355.769	.000	1864.678	6064.899
12-03	.000	855.177	.000	748.280	.00	3.10	2321.274	230.039	337.427	.000	1753.808	7213.453
12-04	.000	742.891	.000	650.030	.00	3.10	2016.489	199.834	298.483	.000	1518.172	8134.044
12-05	.000	626.981	.000	548.608	.00	3.10	1701.863	168.655	258.377	.000	1274.831	8849.816
12-06	.000	490.856	.000	429.499	.00	3.10	1332.369	132.038	211.360	.000	988.971	9363.956
12-07	.000	382.868	.000	335.010	.00	3.10	1039.250	102.990	174.075	.000	762.185	9730.845
12-08	.000	298.637	.000	261.307	.00	3.10	810.613	80.332	145.005	.000	585.276	9991.707
12-09	.000	232.936	.000	203.819	.00	3.10	632.276	62.659	122.332	.000	447.285	10176.298
12-10	.000	181.691	.000	158.980	.00	3.10	493.179	48.874	104.654	.000	339.651	10306.086
12-11	.000	141.719	.000	124.004	.00	3.10	384.679	38.122	90.865	.000	255.692	10396.554
12-12	.000	110.540	.000	96.723	.00	3.10	300.049	29.734	80.113	.000	190.202	10458.866
12-13	.000	86.222	.000	75.444	.00	3.10	234.038	23.193	71.726	.000	139.119	10501.067
12-14	.000	67.253	.000	58.846	.00	3.10	182.549	18.090	65.185	.000	99.274	10528.950
12-15	.000	52.457	.000	45.900	.00	3.10	142.389	14.111	60.084	.000	68.194	10546.685
12-16	.000	40.917	.000	35.802	.00	3.10	111.063	11.007	56.106	.000	43.950	10557.268
12-17	.000	31.915	.000	27.926	.00	3.10	86.631	8.585	53.000	.000	25.046	10562.852
12-18	.000	24.894	.000	21.782	.00	3.10	67.571	6.696	50.583	.000	10.292	10564.977
S TOT	.000	9128.009	.000	7987.010	.00	2.87	22956.694	2275.009	4020.479	470.000	16191.206	10564.977
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	10564.977
TOTAL	.000	9128.009	.000	7987.010	.00	2.87	22956.694	2275.009	4020.479	470.000	16191.206	10564.977
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			22956.694	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	9128.009		TOTAL REVENUES (M$)			22956.694	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		100.00	PROJECT LIFE (YEARS)				21.000	.0	16191.206	30.0	4636.838	
BTAX PAYOUT		02/22/1999	DISCOUNT RATE (PCT)				8.000	2.0	14415.081	35.0	4019.125	
BTAX PAYOUT (DISC)		02/23/1999	GROSS OIL WELLS				.000	5.0	12260.626	40.0	3522.409	
BTAX NET INCOME/INVEST		35.45	GROSS GAS WELLS				1.000	8.0	10564.977	45.0	3116.549	
BTAX NET INCOME/INVEST (DISC)		25.46	GROSS WELLS				1.000	10.0	9627.959	50.0	2780.301	
								12.0	8814.135	60.0	2259.341	
INITIAL W.I. FRACTION		1.000000	INITIAL NET OIL FRACTION				.000000	15.0	7780.211	70.0	1878.392	
FINAL W.I. FRACTION		1.000000	FINAL NET OIL FRACTION				.000000	18.0	6924.343	80.0	1590.650	
PRODUCTION START DATE		10/01/98	INITIAL NET GAS FRACTION				.875000	20.0	6433.000	90.0	1367.508	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.875000	25.0	5419.468	100.0	1190.640	
WATER GROSS PROD. (MU)		10.716	WATER NET PRODUCTION (MU)				.000	WATER NET REVENUES (M$)			.000	

```
101 ROSA UNIT #339
102 PROPNUM 82570-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 SAN JUAN COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 97 12 01 01 1998 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	10/01/1998

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

300 SERIES LINES:

	MAN	GAS	WATER
310	FACT	1.000	1.000
320	0.	.000	.000
325	3.	299472.000	2640.000
326	3.	317143.000	1840.000
327	3.	329335.000	1200.000
328	3.	328963.000	1280.000
329	3.	337499.000	560.000
330	3.	298884.000	540.000
331	3.	301141.000	380.000
332	3.	283742.000	255.000
333	3.	274540.000	160.000
334	3.	285338.000	80.000
335	3.	258594.000	.000
336	3.	269892.000	320.000
337	3.	267507.000	400.000
338	3.	238849.000	.000
339	3.	185432.000	.000
340	3.	253663.000	.000
341	3.	230072.000	320.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		13.130	2511.710	X	2.250	IYRS	D		
CALC	GAS	EXP	END=	13.130	2511.710	1829.897	8.250	YRS	D	6528.074	MMCF
411	GAS	EXP		22.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	22.000	1829.897	1.060	38.250	YRS	D	9214.711	MMCF
420	WATER	EXP		36.110	.910	X	30.000	IYRS	D		
CALC	WATER	EXP	END=	36.110	.910	.000	36.000	YRS	D	10.716	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9408 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 2500 UNTIL 1999.0 AD THEN 3500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1999.100	AD	G	270.000	200.000	.000		

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853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG
```
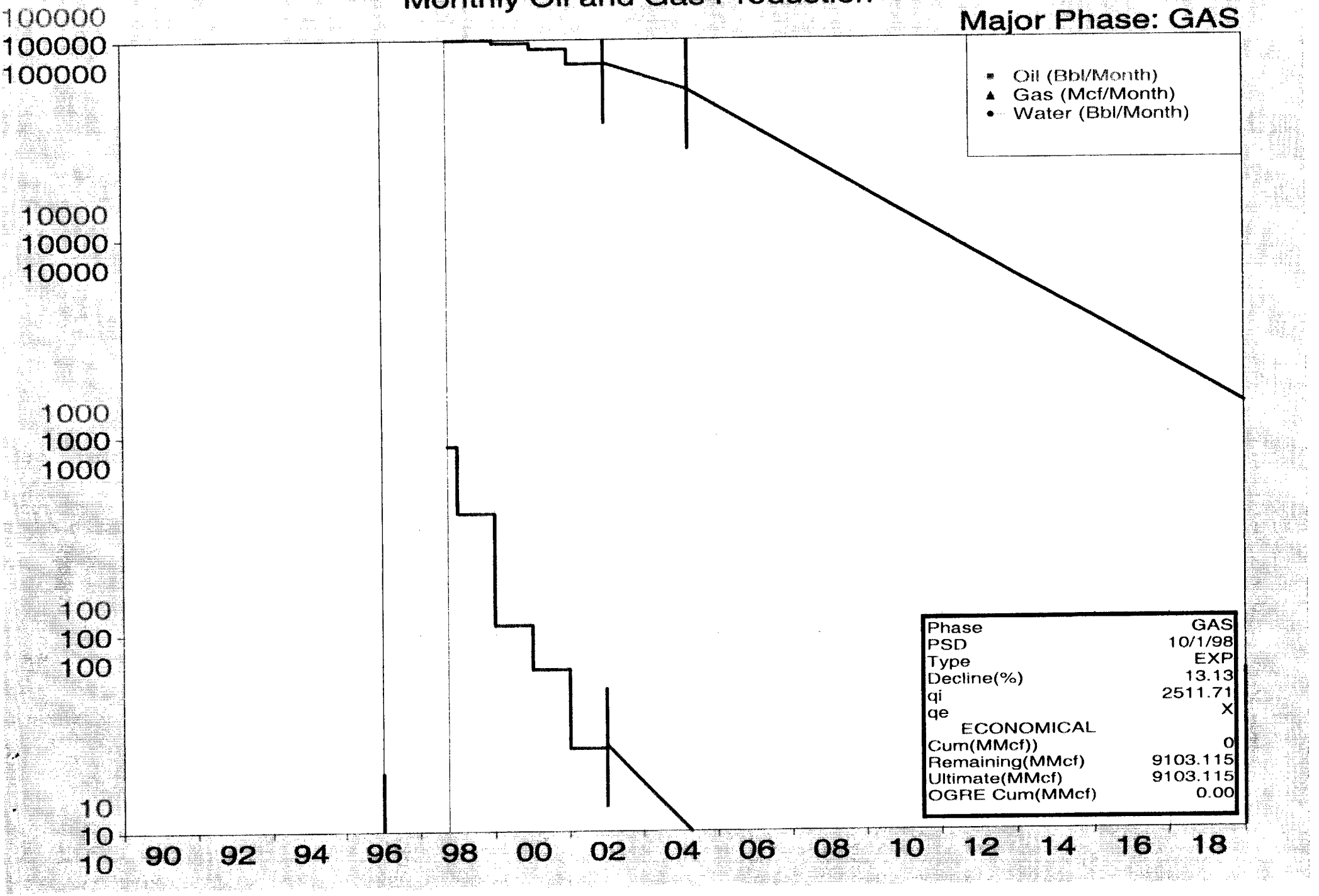

ECONOMIC LIFE (YRS): 21.000
GROSS GAS (MMCF): 9128.009
GROSS WATER (MU): 10.716

ROSA UNIT #339
32N 6W 32A
Monthly Oil and Gas Production



ROSA UNIT #341 FRT
PROPNUM 82943-1
FRUITLAND RESERVOIR ,BASIN FIELD, SAN JU
SAN JUAN COUNTY ,NM

DATE: 08/18/03
TIME: 10:37:10
FILE: FTC_COM
PROP: 96
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JULY 1, 2000

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-00	.000	.000	.000	.000	.00	3.29	.000	.000	17.500	517.300	-534.800	-530.446
12-01	.000	1109.097	.000	970.460	.00	3.26	3167.947	313.943	551.081	.000	2302.923	1601.890
12-02	.000	1141.191	.000	998.542	.00	3.26	3259.617	323.029	509.709	.000	2426.879	3682.548
12-03	.000	1141.023	.000	998.395	.00	3.26	3259.137	322.980	504.503	.000	2431.654	5612.873
12-04	.000	1103.358	.000	965.438	.00	3.26	3151.553	312.319	479.682	.000	2359.552	7347.214
12-05	.000	1064.346	.000	931.303	.00	3.26	3040.124	301.276	456.932	.000	2281.916	8900.248
12-06	.000	950.126	.000	831.360	.00	3.26	2713.872	268.944	408.878	.000	2036.050	10183.305
12-07	.000	816.377	.000	714.330	.00	3.26	2331.842	231.086	355.262	.000	1745.494	11201.784
12-08	.000	701.455	.000	613.773	.00	3.26	2003.586	198.556	309.642	.000	1495.388	12009.696
12-09	.000	602.711	.000	527.372	.00	3.26	1721.541	170.605	270.796	.000	1280.140	12650.085
12-10	.000	517.868	.000	453.135	.00	3.26	1479.203	146.589	237.683	.000	1094.931	13157.250
12-11	.000	444.967	.000	389.346	.00	3.26	1270.972	125.953	209.444	.000	935.575	13558.502
12-12	.000	382.330	.000	334.539	.00	3.26	1092.061	108.223	185.336	.000	798.502	13875.598
12-13	.000	328.509	.000	287.445	.00	3.26	938.329	92.989	164.745	.000	680.595	14125.851
12-14	.000	282.264	.000	246.981	.00	3.26	806.239	79.899	147.147	.000	579.193	14323.044
12-15	.000	242.530	.000	212.214	.00	3.26	692.746	68.651	132.100	.000	491.995	14478.141
12-16	.000	208.390	.000	182.341	.00	3.26	595.230	58.988	119.228	.000	417.014	14599.863
12-17	.000	179.054	.000	156.672	.00	3.26	511.436	50.683	108.211	.000	352.542	14695.144
12-18	.000	153.849	.000	134.618	.00	3.26	439.444	43.549	98.779	.000	297.116	14769.497
12-19	.000	132.192	.000	115.668	.00	3.26	377.584	37.419	90.699	.000	249.466	14827.301
12-20	.000	113.582	.000	99.384	.00	3.26	324.427	32.150	83.776	.000	208.501	14872.035
12-21	.000	97.594	.000	85.395	.00	3.26	278.761	27.625	77.845	.000	173.291	14906.460
12-22	.000	83.856	.000	73.374	.00	3.26	239.520	23.737	72.759	.000	143.024	14932.768
12-23	.000	72.051	.000	63.045	.00	3.26	205.803	20.395	68.398	.000	117.010	14952.697
12-24	.000	61.909	.000	54.170	.00	3.26	176.831	17.524	64.659	.000	94.648	14967.623
12-25	.000	53.193	.000	46.544	.00	3.26	151.937	15.057	61.451	.000	75.429	14978.637
12-26	.000	45.706	.000	39.993	.00	3.26	130.552	12.938	58.701	.000	58.913	14986.602
12-27	.000	39.272	.000	34.363	.00	3.26	112.174	11.117	56.337	.000	44.720	14992.200
12-28	.000	33.743	.000	29.525	.00	3.26	96.381	9.551	54.312	.000	32.518	14995.969
12-29	.000	28.993	.000	25.369	.00	3.26	82.814	8.207	52.574	.000	22.033	14998.334
12-30	.000	24.912	.000	21.798	.00	3.26	71.157	7.052	51.079	.000	13.026	14999.628
12-31	.000	21.405	.000	18.729	.00	3.26	61.139	6.059	49.797	.000	5.283	15000.114
S TOT	.000	12177.853	.000	10655.621	.00	3.26	34783.959	3447.093	6109.045	517.300	24710.521	15000.114
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	15000.114
TOTAL	.000	12177.853	.000	10655.621	.00	3.26	34783.959	3447.093	6109.045	517.300	24710.521	15000.114
CUM.	.000	.000										
ULT.	.000	12177.853										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	34783.959				
TOTAL REVENUES (M$)	34783.959				

BTAX RATE OF RETURN (PCT)	100.00	PROJECT LIFE (YEARS)	32.000		
BTAX PAYOUT	03/25/2001	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	03/31/2001	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	48.77	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	30.22	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	8/01/00	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	149.056	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	24710.521	30.0	6469.284
2.0	21444.236	35.0	5646.151
5.0	17736.090	40.0	4987.825
8.0	15000.114	45.0	4450.762
10.0	13552.093	50.0	4005.239
12.0	12328.872	60.0	3311.004
15.0	10817.841	70.0	2797.049
18.0	9600.485	80.0	2402.641
20.0	8914.078	90.0	2091.232
25.0	7523.486	100.0	1839.621

OGRE(R) V2.2 BTAX — D A T A R E P O R T — DATE: 08/18/03
FILE NAME: FTC_COM (96) — TIME: 10:37:10
CASE NAME: ROSA UNIT #341 -TEST -1PDP-RLG-4117.01 -BASIN

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101 ROSA UNIT #341 FRT
102 PROPNUM 82943-1
103 FRUITLAND RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 SAN JUAN COUNTY ,NM

117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATFAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
120 1 99 12 07 01 2000 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	8/01/2000

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

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300 SERIES LINES:
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	MAN	GAS	WATER
305	FACT	1.000	1.000
310	5.	.000	.000
320	3.	245153.000	17945.000
369	3.	292389.000	9180.000
370	3.	273723.000	8160.000
371	3.	297832.000	7440.000
372	3.	299502.000	6160.000
373	3.	284567.000	4960.000
374	3.	275707.000	5600.000
375	3.	281415.000	4800.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		3.301	3178.851	X	2.795	IYRS	D		
CALC	GAS	EXP	END=	3.301	3178.851	2894.174	6.795	YRS	D	5345.792	MMCF
411	GAS	EXP		14.077	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	14.077	2894.174	30.536	36.795	YRS	D	12235.044	MMCF
420	WATER	EXP		22.935	60.566	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	22.935	60.566	.011	37.000	YRS	D	149.085	M-UNITS

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600 SERIES LINES:
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602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
* 644 1.89 UNTIL 1993 AD
* 645 1.63 UNTIL 1994 AD
* 646 1.18 UNTIL 1995 AD
* 647 1.39 UNTIL 1996 AD
* 648 1.66 UNTIL 1997 AD
* 649 2.32 UNTIL 1998 AD
* 650 1.86 UNTIL 1999 AD
* 651 2.06 UNTIL 2000 AD
* 652 3.53 UNTIL 2001 AD
* 653 3.50 UNTIL 2002 AD
* 654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	2000.600	AD	G	317.000	200.300	.000		

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853 CASE $GATHNET88
* 658 COMPUTE GASC = GASC / WI
* 659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE (YRS):        32.000
GROSS GAS     (MMCF):    12177.853
GROSS WATER     (MU):      149.056
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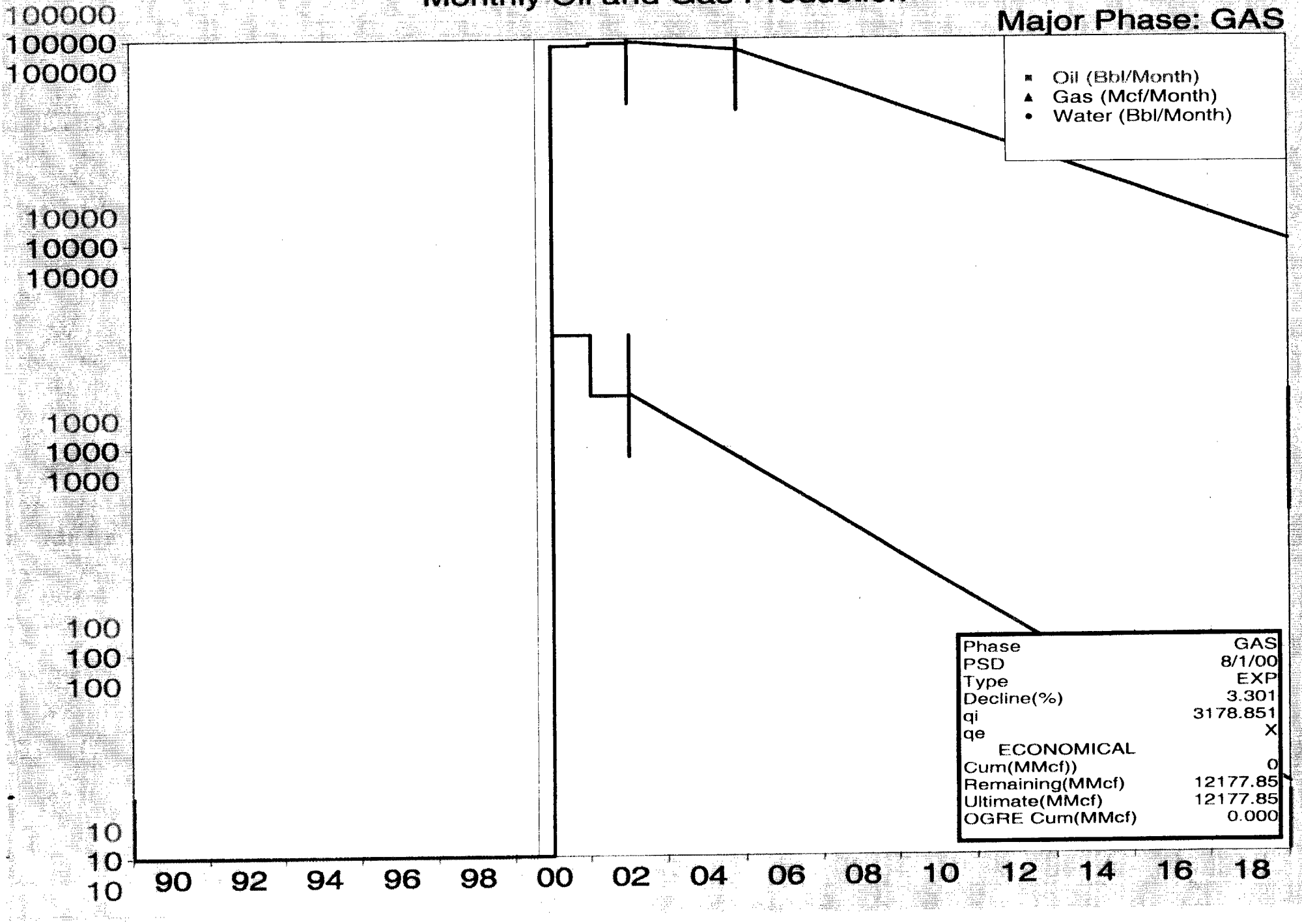
ROSA UNIT #341
31N 6W 16L
Monthly Oil and Gas Production



POSA UNIT #342
CO AND NM
FRUITLAND
FAR

DATE: 08/18/03
TIME: 11:20:10
FILE: FTC_COM
PROP: 97
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF AUGUST 1, 2001

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-01	.000	76.210	.000	66.684	.00	3.26	217.682	21.572	47.174	724.933	-575.997	-577.906
12-02	.000	803.552	.000	703.108	.00	3.26	2295.209	227.455	365.700	.000	1702.054	1008.210
12-03	.000	711.368	.000	622.447	.00	3.26	2031.901	201.361	327.512	.000	1503.028	2305.105
12-04	.000	657.040	.000	574.910	.00	3.26	1876.723	185.983	303.956	.000	1386.784	3413.062
12-05	.000	606.671	.000	530.837	.00	3.26	1732.852	171.726	282.379	.000	1278.747	4359.027
12-06	.000	530.859	.000	464.502	.00	3.26	1516.309	150.266	252.032	.000	1114.011	5122.082
12-07	.000	445.922	.000	390.182	.00	3.26	1273.701	126.224	218.778	.000	928.699	5711.085
12-08	.000	374.575	.000	327.753	.00	3.26	1069.909	106.028	190.796	.000	773.085	6165.075
12-09	.000	314.643	.000	275.313	.00	3.26	898.725	89.063	167.246	.000	642.416	6514.385
12-10	.000	264.299	.000	231.262	.00	3.26	754.926	74.813	147.429	.000	532.684	6782.574
12-11	.000	222.012	.000	194.261	.00	3.26	634.141	62.844	130.752	.000	440.545	6987.944
12-12	.000	186.490	.000	163.179	.00	3.26	532.678	52.788	116.718	.000	363.172	7144.704
12-13	.000	156.652	.000	137.071	.00	3.26	447.451	44.343	104.903	.000	298.205	7263.887
12-14	.000	131.587	.000	115.139	.00	3.26	375.857	37.247	94.961	.000	243.649	7354.053
12-15	.000	110.533	.000	96.716	.00	3.26	315.717	31.288	86.590	.000	197.839	7421.843
12-16	.000	92.848	.000	81.242	.00	3.26	265.204	26.281	79.546	.000	159.377	7472.409
12-17	.000	77.993	.000	68.244	.00	3.26	222.774	22.077	73.618	.000	127.079	7509.741
12-18	.000	65.513	.000	57.324	.00	3.26	187.127	18.544	68.624	.000	99.959	7536.931
12-19	.000	55.032	.000	48.153	.00	3.26	157.190	15.577	64.423	.000	77.190	7556.372
12-20	.000	46.226	.000	40.448	.00	3.26	132.038	13.085	60.884	.000	58.069	7569.914
12-21	.000	38.830	.000	33.976	.00	3.26	110.910	10.991	57.904	.000	42.015	7578.986
12-22	.000	32.617	.000	28.540	.00	3.26	93.165	9.233	55.398	.000	28.534	7584.691
12-23	.000	27.399	.000	23.974	.00	3.26	78.260	7.755	53.283	.000	17.222	7587.879
12-24	.000	23.015	.000	20.138	.00	3.26	65.738	6.514	51.508	.000	7.716	7589.202
S TOT	.000	6051.886	.000	5295.403	.00	3.26	17286.187	1713.058	3402.114	724.933	11446.082	7589.202
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	7589.202
TOTAL	.000	6051.886	.000	5295.403	.00	3.26	17286.187	1713.058	3402.114	724.933	11446.082	7589.202
CUM.	.000	.000		NET OIL REVENUES (M$)				.000		---------PRESENT WORTH PROFILE---------		
				NET GAS REVENUES (M$)				17286.187		DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
ULT.	.000	6051.886		TOTAL REVENUES (M$)				17286.187		.0	11446.082	30.0	3616.486
BTAX RATE OF RETURN (PCT)			100.00	PROJECT LIFE (YEARS)				24.000		2.0	10209.810	35.0	3190.093
BTAX PAYOUT			04/30/2002	DISCOUNT RATE (PCT)				8.000		5.0	8734.318	40.0	2841.344
BTAX PAYOUT (DISC)			05/12/2002	GROSS OIL WELLS				.000		8.0	7589.202	45.0	2551.125
BTAX NET INCOME/INVEST			16.79	GROSS GAS WELLS				1.000		10.0	6961.230	50.0	2306.029
BTAX NET INCOME/INVEST (DISC)			11.48	GROSS WELLS				1.000		12.0	6417.793	60.0	1915.170
INITIAL W.I. FRACTION			1.000000	INITIAL NET OIL FRACTION				.000000		15.0	5728.774	70.0	1617.656
FINAL W.I. FRACTION			1.000000	FINAL NET OIL FRACTION				.000000		18.0	5158.190	80.0	1383.790
PRODUCTION START DATE			9/01/01	INITIAL NET GAS FRACTION				.875000		20.0	4829.866	90.0	1195.187
MONTHS IN FIRST LINE			12.00	FINAL NET GAS FRACTION				.875000		25.0	4148.712	100.0	1039.888
WATER GROSS PROD. (MU)			90.838	WATER NET PRODUCTION (MU)				79.486		WATER NET REVENUES (M$)			.000

OGRE(R) V2.2 BTAX — D A T A R E P O R T — DATE: 08/18/03
FILE NAME: FTC_COM (97) — TIME: 11:20:10
CASE NAME: ROSA UNIT #342 -TEST -1PDP-RLG-4234.01 -BASIN

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101 ROSA UNIT #342
102 CO AND NM
103 FRUITLAND
104 SAR

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 00 12 08 01 2001 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	9/01/2001

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	9.000	.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
372	3.	23725.000	880.000
373	3.	157454.000	4000.000
374	3.	213766.000	3120.000
375	3.	214108.000	3160.000
376	3.	208838.000	2960.000

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	7.637	2040.860	X	3.000	IYRS	D		
CALC	GAS	EXP	END= 7.637	2040.860	1608.079	5.917	YRS	D	2806.282	MMCF
411	GAS	EXP	16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END= 16.000	1608.079	8.604	35.917	YRS	D	6154.702	MMCF
420	WATER	EXP	14.000	1000.000	X	30.000	IYRS	M		
CALC	WATER	EXP	END= 14.000	1000.000	10.838	32.917	YRS	M	92.821	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
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	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	2001.600 AD	G	324.933	400.000	.000		

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853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC * NIG
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ECONOMIC LIFE (YRS): 24.000
GROSS GAS (MMCF): 6051.886
GROSS WATER (MU): 90.838

ROSA UNIT #343 FT
PROPNUM 82926-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/18/03
TIME: 10:29:23
FILE: PTC_COM
PROP: 98
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JUNE 1, 2000

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-00	.000	15.292	.000	13.381	.00	3.16	42.257	4.188	26.330	521.360	-509.621	-490.881
12-01	.000	89.001	.000	77.876	.00	3.13	243.842	24.165	153.963	.000	65.714	-430.424
12-02	.000	107.883	.000	94.398	.00	3.13	295.576	29.292	164.432	.000	101.852	-343.661
12-03	.000	117.094	.000	102.457	.00	3.13	320.810	31.792	161.672	.000	127.346	-243.216
12-04	.000	123.918	.000	108.428	.00	3.13	339.506	33.646	153.251	.000	152.609	-131.761
12-05	.000	131.081	.000	114.696	.00	3.13	359.132	35.590	146.426	.000	177.116	-11.989
12-06	.000	130.217	.000	113.940	.00	3.13	356.765	35.356	138.080	.000	183.329	102.801
12-07	.000	123.706	.000	108.243	.00	3.13	338.927	33.587	128.872	.000	176.468	205.110
12-08	.000	116.717	.000	102.127	.00	3.13	319.776	31.690	120.446	.000	167.640	295.102
12-09	.000	100.809	.000	88.208	.00	3.13	276.194	27.370	109.736	.000	139.088	364.236
12-10	.000	84.680	.000	74.095	.00	3.13	232.004	22.991	99.660	.000	109.353	414.564
12-11	.000	71.131	.000	62.240	.00	3.13	194.884	19.313	91.089	.000	84.482	450.565
12-12	.000	59.750	.000	52.281	.00	3.13	163.700	16.223	83.800	.000	63.677	475.690
12-13	.000	50.191	.000	43.917	.00	3.13	137.511	13.627	77.601	.000	46.283	492.599
12-14	.000	42.159	.000	36.889	.00	3.13	115.505	11.446	72.327	.000	31.732	503.333
12-15	.000	35.414	.000	30.987	.00	3.13	97.025	9.615	67.838	.000	19.572	509.463
12-16	.000	29.748	.000	26.030	.00	3.13	81.504	8.077	64.019	.000	9.408	512.192
12-17	.000	24.988	.000	21.865	.00	3.13	68.463	6.785	60.766	.000	.912	512.437
S TOT	.000	1453.779	.000	1272.058	.00	3.13	3983.381	394.753	1920.308	521.360	1146.960	512.437
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	512.437
TOTAL	.000	1453.779	.000	1272.058	.00	3.13	3983.381	394.753	1920.308	521.360	1146.960	512.437
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			3983.381	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	1453.779		TOTAL REVENUES (M$)			3983.381	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		24.89	PROJECT LIFE (YEARS)				18.000	.0	1146.960	30.0	-68.968	
BTAX PAYOUT		05/07/2005	DISCOUNT RATE (PCT)				8.000	2.0	942.223	35.0	-118.320	
BTAX PAYOUT (DISC)		02/08/2006	GROSS OIL WELLS				.000	5.0	698.785	40.0	-155.318	
BTAX NET INCOME/INVEST		3.20	GROSS GAS WELLS				1.000	8.0	512.437	45.0	-183.431	
BTAX NET INCOME/INVEST (DISC)		2.02	GROSS WELLS				1.000	10.0	412.087	50.0	-205.020	
								12.0	326.807	60.0	-234.768	
INITIAL W.I. FRACTION		1.000000	INITIAL NET OIL FRACTION				.000000	15.0	221.463	70.0	-252.929	
FINAL W.I. FRACTION		1.000000	FINAL NET OIL FRACTION				.000000	18.0	137.315	80.0	-264.022	
PRODUCTION START DATE		7/01/00	INITIAL NET GAS FRACTION				.875000	20.0	90.482	90.0	-270.626	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.875000	25.0	-2.049	100.0	-274.283	
WATER GROSS PROD. (MU)		271.816	WATER NET PRODUCTION (MU)				.000	WATER NET REVENUES (M$)			.000	

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101 ROSA UNIT #343 FT
102 PROPNUM 82926-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 99 12 06 01 2000 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	7/01/2000

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

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300 SERIES LINES:
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	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
367	3.	5.000	1.000
368	3.	15287.000	3.000
369	3.	20821.000	7360.000
370	3.	21722.000	9040.000
371	3.	27180.000	8640.000
372	3.	19278.000	7360.000
373	3.	19071.000	7840.000
374	3.	21087.000	8720.000
375	3.	31727.000	9160.000
376	3.	35998.000	8240.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-5.828	9484.051	X	2.910	IYR	M		
CALC	GAS	EXP	END=	-5.828	9484.051	11183.599	6.910	YRS	M	572.218	MMCF
411	GAS	EXP		5.000	LAST	X	2.751	IYR	M		
CALC	GAS	EXP	END=	5.000	11183.599	9711.789	9.661	YRS	M	916.546	MMCF
412	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	319.292	1.708	39.661	YRS	D	1581.391	MMCF
420	WATER	EXP		13.675	93.020	X	35.000	IYRS	D		
CALC	WATER	EXP	END=	13.675	93.020	.541	39.000	YRS	D	295.909	M-UNITS

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600 SERIES LINES:
-----------------
602 DATA BTU : 0.9496 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	2000.900 AD	G	320.360	201.000	.000		

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853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE (YRS): 18.000
GROSS GAS (MMCF): 1453.779
GROSS WATER (MU): 271.816
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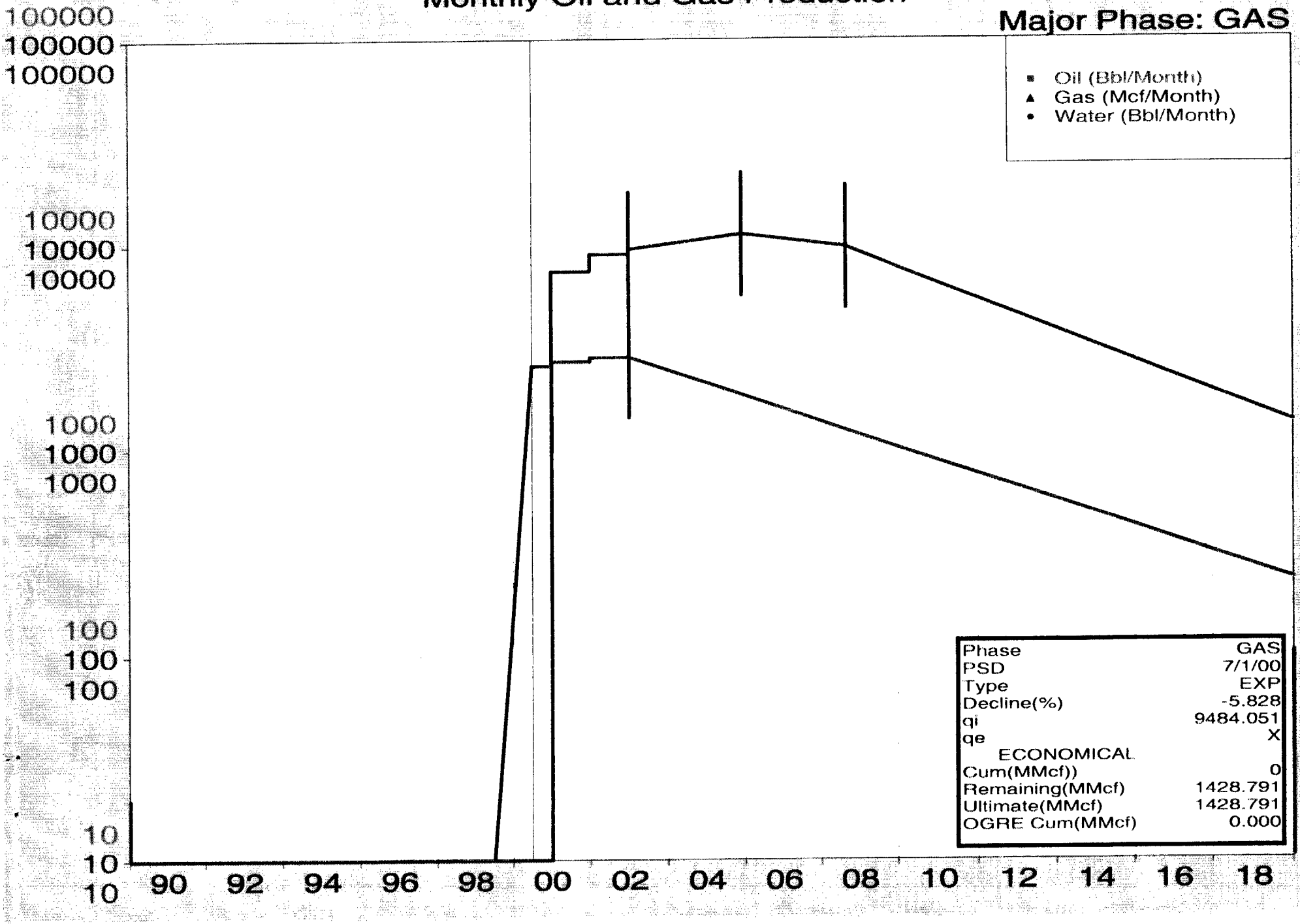
ROSA UNIT #343
31N 5W 26K
Monthly Oil and Gas Production



ROSA UNIT #345
PROPNUM 82927-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/18/03
TIME: 10:31:17
FILE: FTC_COM
PROP: 100
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JUNE 1, 2000

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-00	.000	4.917	.000	4.302	.00	3.28	14.122	1.400	22.786	481.158	-491.222	-487.891
12-01	.000	60.573	.000	53.001	.00	3.25	172.508	17.096	114.808	.000	40.604	-450.535
12-02	.000	73.175	.000	64.028	.00	3.25	208.399	20.652	116.663	.000	71.084	-389.982
12-03	.000	78.854	.000	68.997	.00	3.25	224.572	22.255	117.309	.000	85.008	-322.931
12-04	.000	86.059	.000	75.302	.00	3.25	245.094	24.288	113.572	.000	107.234	-244.615
12-05	.000	93.921	.000	82.181	.00	3.25	267.484	26.508	110.938	.000	130.038	-156.679
12-06	.000	95.403	.000	83.478	.00	3.25	271.705	26.926	106.734	.000	138.045	-70.243
12-07	.000	90.633	.000	79.304	.00	3.25	258.120	25.580	100.914	.000	131.626	6.069
12-08	.000	84.559	.000	73.989	.00	3.25	240.820	23.865	95.175	.000	121.780	71.442
12-09	.000	71.965	.000	62.969	.00	3.25	204.952	20.311	87.558	.000	97.083	119.697
12-10	.000	60.450	.000	52.894	.00	3.25	172.160	17.061	80.749	.000	74.350	153.915
12-11	.000	50.778	.000	44.431	.00	3.25	144.615	14.331	74.963	.000	55.321	177.490
12-12	.000	42.654	.000	37.322	.00	3.25	121.476	12.038	70.045	.000	39.393	193.033
12-13	.000	35.829	.000	31.350	.00	3.25	102.038	10.112	65.870	.000	26.056	202.552
12-14	.000	30.096	.000	26.334	.00	3.25	85.712	8.494	62.317	.000	14.901	207.593
12-15	.000	25.281	.000	22.121	.00	3.25	72.000	7.135	59.298	.000	5.567	209.337
S TOT	.000	985.147	.000	862.003	.00	3.25	2805.777	278.052	1399.699	481.158	646.868	209.337
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	209.337
TOTAL	.000	985.147	.000	862.003	.00	3.25	2805.777	278.052	1399.699	481.158	646.868	209.337
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			2805.777					
ULT.	.000	985.147		TOTAL REVENUES (M$)			2805.777					

						DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)	15.06	PROJECT LIFE (YEARS)	16.000			.0	646.868	30.0	-216.071
BTAX PAYOUT	05/30/2006	DISCOUNT RATE (PCT)	8.000			2.0	507.531	35.0	-255.031
BTAX PAYOUT (DISC)	11/30/2007	GROSS OIL WELLS	.000			5.0	339.713	40.0	-285.061
BTAX NET INCOME/INVEST	2.34	GROSS GAS WELLS	1.000			8.0	209.337	45.0	-308.599
BTAX NET INCOME/INVEST (DISC)	1.44	GROSS WELLS	1.000			10.0	138.289	50.0	-327.318
						12.0	77.354	60.0	-354.682
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000			15.0	1.250	70.0	-373.191
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000			18.0	-60.351	80.0	-386.143
PRODUCTION START DATE	7/01/00	INITIAL NET GAS FRACTION	.875000			20.0	-95.019	90.0	-395.449
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000			25.0	-164.574	100.0	-402.270
WATER GROSS PROD. (MU)	156.972	WATER NET PRODUCTION (MU)	.000			WATER NET REVENUES (M$)		.000	

OGRE(R) V2.2 BTAX — DATA REPORT — DATE: 08/18/03
FILE NAME: FTC_COM (100) — TIME: 10:31:17
CASE NAME: ROSA UNIT #345 -TEST -1PDP-RLG-4002.01 -BASIN

```
101 ROSA UNIT #345
102 PROPNUM 82927-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 99 12 06 01 2000 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	7/01/2000

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

300 SERIES LINES:

	MAN	GAS	WATER
310	FACT	1.000	1.000
320	3.	.000	.000
368	3.	4917.000	3.000
369	3.	13485.000	5641.000
370	3.	14675.000	5200.000
371	3.	15323.000	4880.000
372	3.	17090.000	4640.000
373	3.	14631.000	4640.000
374	3.	16588.000	4640.000
375	3.	19743.000	5200.000
376	3.	22213.000	4800.000

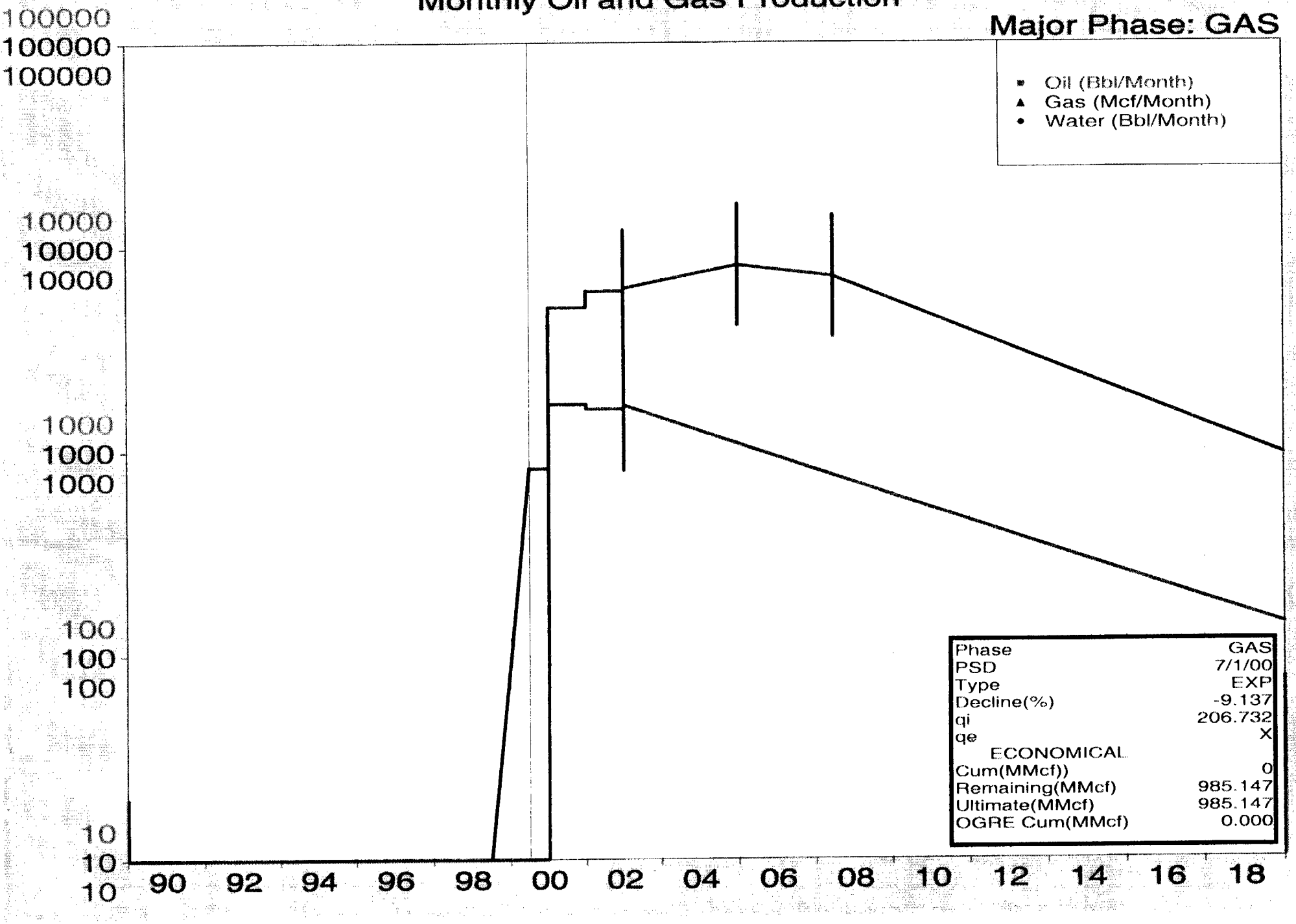
	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-9.137	206.732	X	2.984	IYRS	D		
CALC	GAS	EXP	END=	-9.137	206.732	268.359	6.984	YRS	D	395.932	MMCF
411	GAS	EXP		5.000	LAST	X	2.466	IYRS	D		
CALC	GAS	EXP	END=	5.000	268.359	236.474	9.450	YRS	D	622.827	MMCF
412	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	236.474	1.265	39.450	YRS	D	1115.224	MMCF
420	WATER	EXP		13.549	55.102	X	35.000	IYRS	D		
CALC	WATER	EXP	END=	13.549	55.102	.337	39.000	YRS	D	176.939	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9871 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	2000.500	AD	G	281.000	200.158	.000		

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE (YRS): 16.000
GROSS GAS (MMCF): 985.147
GROSS WATER (MU): 156.972
```

ROSA UNIT #345
31N 5W 23L
Monthly Oil and Gas Production



ROSA UNIT #354
CO AND NM
FRUITLAND
SAR

DATE: 08/18/03
TIME: 11:11:29
FILE: FTC_COM
PROP: 102
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 2000

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-00	.000	.000	.000	.000	.00	3.29	.000	.000	4.500	.000	-4.500	-4.428
12-01	.000	33.426	.000	29.248	.00	3.26	95.476	9.462	48.324	563.329	-525.639	-501.495
12-02	.000	107.073	.000	93.689	.00	3.26	305.836	30.308	88.135	.000	187.393	-338.762
12-03	.000	103.462	.000	90.529	.00	3.26	295.521	29.286	83.689	.000	182.546	-191.980
12-04	.000	97.451	.000	85.270	.00	3.26	278.353	27.585	78.128	.000	172.640	-63.446
12-05	.000	91.215	.000	79.813	.00	3.26	260.540	25.820	72.892	.000	161.828	48.113
12-06	.000	78.645	.000	68.814	.00	3.26	224.635	22.261	65.714	.000	136.660	135.344
12-07	.000	66.061	.000	57.803	.00	3.26	188.691	18.699	58.850	.000	111.142	201.031
12-08	.000	55.492	.000	48.556	.00	3.26	158.505	15.707	52.990	.000	89.808	250.178
12-09	.000	46.613	.000	40.786	.00	3.26	133.141	13.195	47.984	.000	71.962	286.642
12-10	.000	39.155	.000	34.261	.00	3.26	111.841	11.084	43.711	.000	57.046	313.406
12-11	.000	32.890	.000	28.779	.00	3.26	93.945	9.310	40.057	.000	44.578	332.772
12-12	.000	27.627	.000	24.174	.00	3.26	78.913	7.820	36.933	.000	34.160	346.513
12-13	.000	23.208	.000	20.307	.00	3.26	66.290	6.569	34.261	.000	25.460	355.995
12-14	.000	19.494	.000	17.057	.00	3.26	55.680	5.518	31.973	.000	18.189	362.268
12-15	.000	16.375	.000	14.328	.00	3.26	46.772	4.635	30.012	.000	12.125	366.140
12-16	.000	13.755	.000	12.036	.00	3.26	39.290	3.894	28.334	.000	7.062	368.228
12-17	.000	11.554	.000	10.110	.00	3.26	33.003	3.270	26.894	.000	2.839	369.005
S TOT	.000	863.496	.000	755.560	.00	3.26	2466.432	244.423	873.381	563.329	785.299	369.005
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	369.005
TOTAL	.000	863.496	.000	755.560	.00	3.26	2466.432	244.423	873.381	563.329	785.299	369.005
CUM.	.000	.000		NET OIL REVENUES (M$)				.000		---------PRESENT WORTH PROFILE---------		
				NET GAS REVENUES (M$)				2466.432		DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
ULT.	.000	863.496		TOTAL REVENUES (M$)				2466.432					
BTAX RATE OF RETURN (PCT)		25.14		PROJECT LIFE (YEARS)				18.000		.0	785.299	30.0	-50.502
BTAX PAYOUT		12/05/2004		DISCOUNT RATE (PCT)				8.000		2.0	653.663	35.0	-89.839
BTAX PAYOUT (DISC)		07/26/2005		GROSS OIL WELLS				.000		5.0	494.079	40.0	-120.035
BTAX NET INCOME/INVEST		2.39		GROSS GAS WELLS				1.000		8.0	369.005	45.0	-143.445
BTAX NET INCOME/INVEST (DISC)		1.69		GROSS WELLS				2.000		10.0	300.308	50.0	-161.731
										12.0	241.026	60.0	-187.403
INITIAL W.I. FRACTION		1.000000		INITIAL NET OIL FRACTION				.000000		15.0	166.439	70.0	-203.310
FINAL W.I. FRACTION		1.000000		FINAL NET OIL FRACTION				.000000		18.0	105.559	80.0	-213.019
PRODUCTION START DATE		10/01/00		INITIAL NET GAS FRACTION				.875000		20.0	71.075	90.0	-218.664
MONTHS IN FIRST LINE		12.00		FINAL NET GAS FRACTION				.875000		25.0	1.416	100.0	-221.582
WATER GROSS PROD. (MU)		99.875		WATER NET PRODUCTION (MU)				87.393		WATER NET REVENUES (M$)			.000

CASE NAME: ROSA UNIT #354 -TEST -1PDP-RLG-4006.01 -BASIN

```
101 ROSA UNIT #354
102 CO AND NM
103 FRUITLAND
104 SAR

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 99 12 09 01 2000 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	1500.00	1.000	GAS	10/01/2000

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	9.000	1.0	

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300 SERIES LINES:
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	MAN	GAS	WATER
310	FACT	1.000	1.000
320	6.	.000	.000
370	3.	47.000	.000
371	3.	5450.000	3680.000
372	3.	27929.000	3600.000
373	3.	29371.000	3360.000
374	3.	25754.000	3200.000
375	3.	25486.000	3240.000
376	3.	26462.000	2720.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
411	GAS	EXP		5.809	292.023	X	2.663	IYR	D		
CALC	GAS	EXP	END=	5.809	292.023	249.003	6.663	YRS	D	402.881	MMCF
412	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	249.003	1.332	36.663	YRS	D	921.367	MMCF
420	WATER	EXP		12.000	1000.000	X	33.000	IYRS	M		
CALC	WATER	EXP	END=	12.000	1000.000	14.721	37.000	YRS	M	112.290	M-UNITS

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600 SERIES LINES:
-----------------
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	2001.400	AD	G	263.329	300.000	.000		

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE (YRS):        18.000
GROSS GAS     (MMCF):      863.496
GROSS WATER     (MU):       99.875
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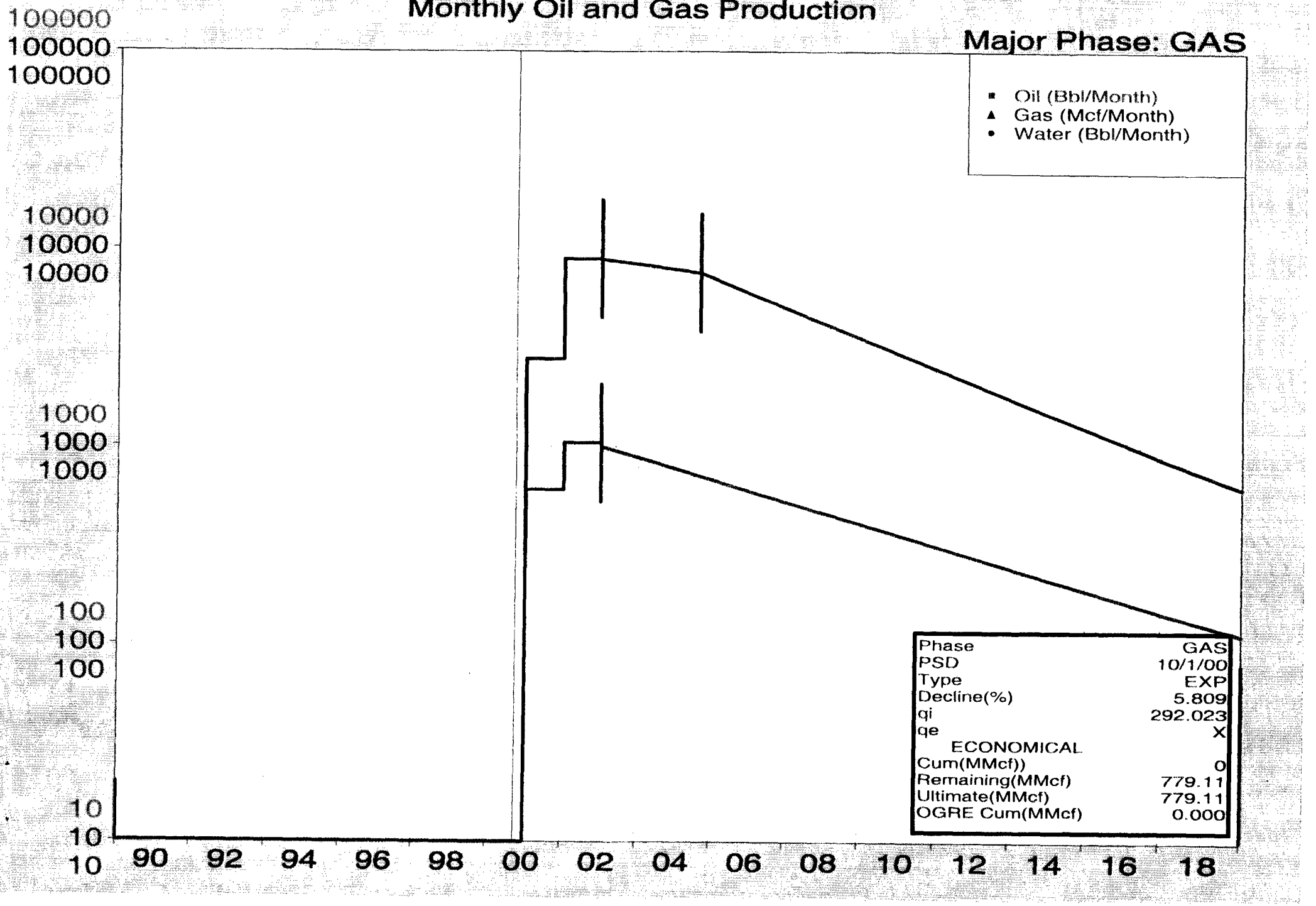
ROSA UNIT #354
31N 4W 19G
Monthly Oil and Gas Production



ROSA UNIT COM #355
CO AND NM
FRUITLAND
SAR

DATE: 08/18/03
TIME: 10:38:59
FILE: FTC_COM
PROP: 111
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JANUARY 1, 2000

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-00	.000	48.501	.000	42.438	.00	3.29	139.721	13.846	35.966	552.520	-462.611	-435.474
12-01	.000	238.515	.000	208.701	.00	3.26	681.279	67.515	160.247	.000	453.517	-31.403
12-02	.000	265.688	.000	232.477	.00	3.26	758.892	75.206	158.965	.000	524.721	401.479
12-03	.000	254.798	.000	222.948	.00	3.26	727.786	72.124	152.973	.000	502.689	785.466
12-04	.000	236.377	.000	206.830	.00	3.26	675.171	66.909	142.802	.000	465.460	1114.678
12-05	.000	219.286	.000	191.875	.00	3.26	626.352	62.072	133.768	.000	430.512	1396.617
12-06	.000	193.778	.000	169.556	.00	3.26	553.495	54.852	122.216	.000	376.427	1624.875
12-07	.000	162.773	.000	142.426	.00	3.26	464.932	46.075	109.103	.000	309.754	1798.791
12-08	.000	136.729	.000	119.638	.00	3.26	390.543	38.703	98.136	.000	253.704	1930.685
12-09	.000	114.853	.000	100.496	.00	3.26	328.057	32.510	88.975	.000	206.572	2030.121
12-10	.000	96.476	.000	84.417	.00	3.26	275.569	27.309	81.307	.000	166.953	2104.533
12-11	.000	81.040	.000	70.910	.00	3.26	231.477	22.939	74.896	.000	133.642	2159.686
12-12	.000	68.074	.000	59.565	.00	3.26	194.443	19.269	69.535	.000	105.639	2200.053
12-13	.000	57.182	.000	50.034	.00	3.26	163.330	16.186	65.050	.000	82.094	2229.099
12-14	.000	48.033	.000	42.029	.00	3.26	137.198	13.597	61.297	.000	62.304	2249.510
12-15	.000	40.347	.000	35.304	.00	3.26	115.246	11.421	58.157	.000	45.668	2263.363
12-16	.000	33.892	.000	29.656	.00	3.26	96.808	9.594	55.531	.000	31.683	2272.262
12-17	.000	28.469	.000	24.910	.00	3.26	81.316	8.058	53.329	.000	19.929	2277.445
12-18	.000	23.915	.000	20.926	.00	3.26	68.310	6.770	51.489	.000	10.051	2279.865
12-19	.000	20.087	.000	17.576	.00	3.26	57.375	5.686	49.949	.000	1.740	2280.253
S TOT	.000	2368.813	.000	2072.712	.00	3.26	6767.300	670.641	1823.691	552.520	3720.448	2280.253
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	2280.253
TOTAL	.000	2368.813	.000	2072.712	.00	3.26	6767.300	670.641	1823.691	552.520	3720.448	2280.253
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			6767.300	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$	
ULT.	.000	2368.813		TOTAL REVENUES (M$)			6767.300					
								.0	3720.448	30.0	829.596	
BTAX RATE OF RETURN (PCT)		100.00	PROJECT LIFE (YEARS)				20.000					
BTAX PAYOUT		01/07/2002	DISCOUNT RATE (PCT)				8.000	2.0	3261.344	35.0	685.339	
BTAX PAYOUT (DISC)		01/27/2002	GROSS OIL WELLS				.000	5.0	2709.633	40.0	570.876	
BTAX NET INCOME/INVEST		7.73	GROSS GAS WELLS				1.000	8.0	2280.253	45.0	478.560	
BTAX NET INCOME/INVEST (DISC)		5.39	GROSS WELLS				2.000	10.0	2045.150	50.0	403.058	
								12.0	1842.389	60.0	288.260	
INITIAL W.I. FRACTION		1.000000	INITIAL NET OIL FRACTION				.000000	15.0	1586.959	70.0	206.508	
FINAL W.I. FRACTION		1.000000	FINAL NET OIL FRACTION				.000000	18.0	1377.584	80.0	146.427	
PRODUCTION START DATE		10/01/00	INITIAL NET GAS FRACTION				.875000	20.0	1258.348	90.0	101.157	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.875000	25.0	1014.893	100.0	66.346	
WATER GROSS PROD. (MU)		62.407	WATER NET PRODUCTION (MU)				54.606	WATER NET REVENUES (M$)			.000	

```
101 ROSA UNIT COM #355
102 CO AND NM
103 FRUITLAND
104 SAR

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
   120 1 99 12 01 01 2000 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	10/01/2000

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	9.000	1.0	

```
300 SERIES LINES:
-----------------
```

	MAN	GAS	WATER
305	FACT	1.000	1.000
310		.000	.000
320	0.		
325	3.	48503.000	3150.000
326	3.	79298.000	3640.000
327	3.	71491.000	3520.000
328	3.	47041.000	2575.000
329	3.	40683.000	2960.000
330	3.	50234.000	2320.000
331	3.	65105.000	2400.000
332	3.	74305.000	1920.000
333	3.	76045.000	1600.000

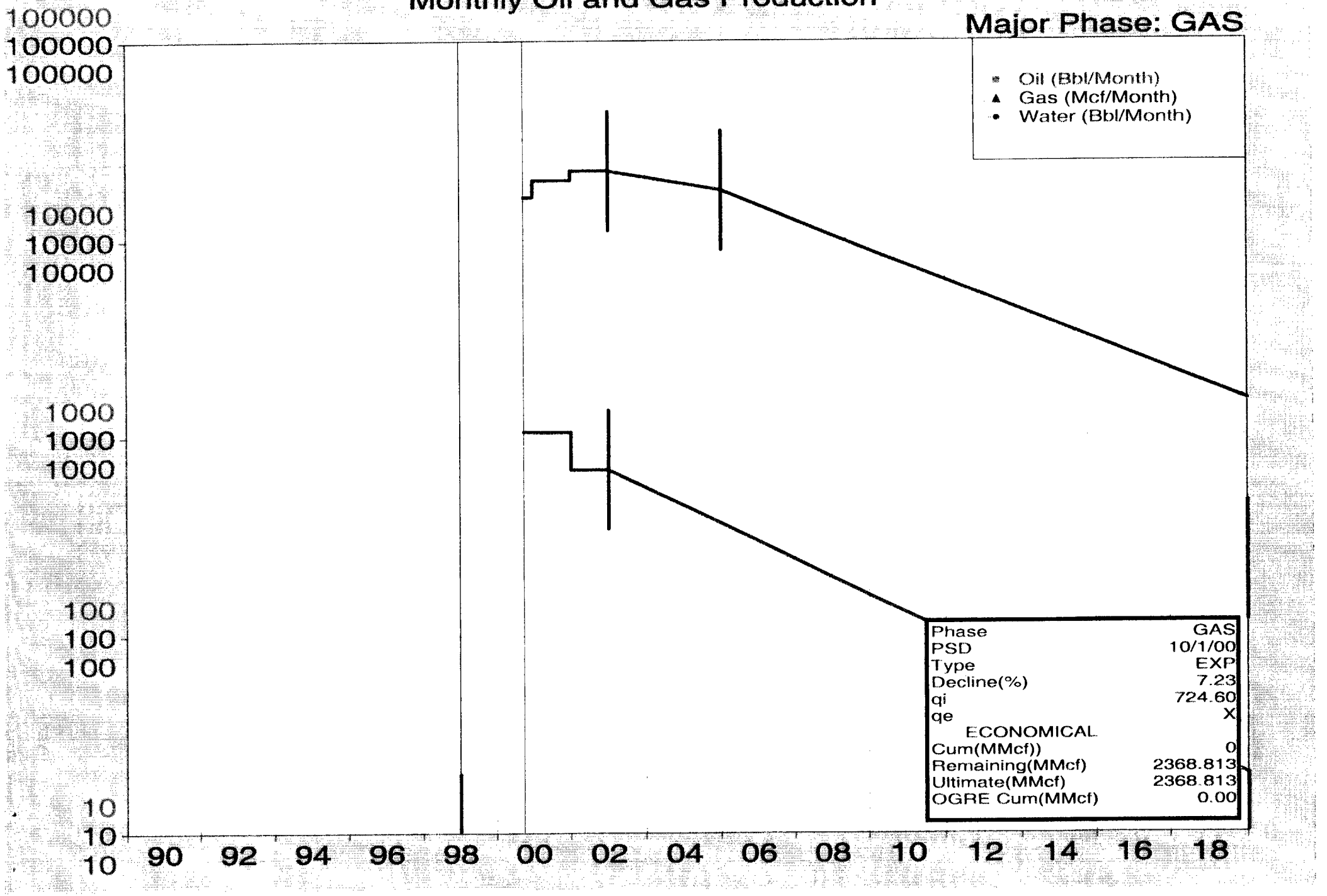
	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		7.230	724.600	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	7.230	724.600	578.523	7.000	YRS	D	1263.165	MMCF
411	GAS	EXP		16.000	LAST	X	30.000	YRS	D		
CALC	GAS	EXP	END=	16.000	578.523	7.731	31.750	YRS	D	2458.090	MMCF
420	WATER	EXP		18.810	22.530	X	30.000	YRS	D		
CALC	WATER	EXP	END=	18.810	22.530	.069	31.750	YRS	D	63.427	M-UNITS

```
600 SERIES LINES:
-----------------
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	2000.800	AD	G	300.000	252.520	.000		

```
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE (YRS):        20.000
GROSS GAS     (MMCF):     2368.813
GROSS WATER     (MU):        62.407
```

ROSA UNIT COM #355
31N 6W 16E
Monthly Oil and Gas Production



ROSA UNIT #357
CO AND NM
FRUITLAND
SAR

DATE: 08/18/03
TIME: 11:09:51
FILE: PTC_COM
PROP: 103
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JANUARY 1, 2000

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-00	.000	.000	.000	.000	.00	3.29	.000	.000	.000	.000	.000	.000
12-01	.000	36.419	.000	31.867	.00	3.26	104.026	10.309	95.709	569.295	-571.287	-512.903
12-02	.000	73.536	.000	64.344	.00	3.26	210.043	20.815	130.671	.000	58.557	-464.595
12-03	.000	77.156	.000	67.512	.00	3.26	220.385	21.841	124.809	.000	73.735	-408.271
12-04	.000	86.653	.000	75.821	.00	3.26	247.508	24.528	118.689	.000	104.291	-334.508
12-05	.000	95.075	.000	83.191	.00	3.26	271.567	26.912	113.552	.000	131.103	-248.650
12-06	.000	92.798	.000	81.198	.00	3.26	265.061	26.267	105.706	.000	133.088	-167.948
12-07	.000	89.086	.000	77.950	.00	3.26	254.458	25.217	98.341	.000	130.900	-94.452
12-08	.000	83.917	.000	73.427	.00	3.26	239.693	23.753	91.310	.000	124.630	-29.660
12-09	.000	71.542	.000	62.599	.00	3.26	204.347	20.251	82.403	.000	101.693	19.291
12-10	.000	60.095	.000	52.583	.00	3.26	171.651	17.011	74.466	.000	80.174	55.025
12-11	.000	50.479	.000	44.169	.00	3.26	144.184	14.289	67.734	.000	62.161	80.678
12-12	.000	42.403	.000	37.103	.00	3.26	121.118	12.003	62.028	.000	47.087	98.671
12-13	.000	35.619	.000	31.167	.00	3.26	101.741	10.083	57.182	.000	34.476	110.869
12-14	.000	29.919	.000	26.179	.00	3.26	85.458	8.469	53.075	.000	23.914	118.703
12-15	.000	25.133	.000	21.991	.00	3.26	71.787	7.114	49.591	.000	15.082	123.278
12-16	.000	21.111	.000	18.472	.00	3.26	60.300	5.976	46.632	.000	7.692	125.438
12-17	.000	17.733	.000	15.516	.00	3.26	50.650	5.020	44.122	.000	1.508	125.830
S TOT	.000	988.674	.000	865.089	.00	3.26	2823.977	279.858	1416.020	569.295	558.804	125.830
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	125.830
TOTAL	.000	988.674	.000	865.089	.00	3.26	2823.977	279.858	1416.020	569.295	558.804	125.830
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				2823.977				
ULT.	.000	988.674		TOTAL REVENUES (M$)				2823.977				

							PRESENT WORTH PROFILE			
							DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)	12.48	PROJECT LIFE (YEARS)	18.000				.0	558.804	30.0	-196.661
BTAX PAYOUT	07/15/2007	DISCOUNT RATE (PCT)	8.000				2.0	414.695	35.0	-213.657
BTAX PAYOUT (DISC)	08/09/2009	GROSS OIL WELLS	.000				5.0	248.306	40.0	-223.343
BTAX NET INCOME/INVEST	1.98	GROSS GAS WELLS	1.000				8.0	125.830	45.0	-228.107
BTAX NET INCOME/INVEST (DISC)	1.25	GROSS WELLS	2.000				10.0	62.236	50.0	-229.540
							12.0	9.856	60.0	-226.299
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000				15.0	-52.185	70.0	-218.716
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000				18.0	-99.003	80.0	-209.280
PRODUCTION START DATE	4/01/01	INITIAL NET GAS FRACTION	.875000				20.0	-123.698	90.0	-199.238
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000				25.0	-168.639	100.0	-189.228
WATER GROSS PROD. (MU)	221.970	WATER NET PRODUCTION (MU)	194.226				WATER NET REVENUES (M$)		.000	

```
101 ROSA UNIT #357
102 CO AND NM
103 FRUITLAND
104 SAR

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 99 12 01 01 2000 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	2500.00	1.000	GAS	4/01/2001

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	9.000	1.0	

```
300 SERIES LINES:
-----------------
```

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	0.	.000	.000
320	3.	1931.000	7360.000
325	3.	18114.000	9120.000
326	3.	16375.000	7520.000
327	3.	17955.000	7200.000
328	3.	18192.000	7280.000
329	3.	18798.000	7760.000
330	3.	18591.000	7360.000
331	3.		

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	-12.310	6063.640	X	2.460	IYR	M		
CALC	GAS	EXP END=	-12.310	6063.640	8067.941	6.460	YRS	M	317.131	MMCF
411	GAS	EXP	4.000	LAST	X	3.000	IYRS	M		
CALC	GAS	EXP END=	4.000	8067.941	7137.998	9.460	YRS	M	590.497	MMCF
412	GAS	EXP	16.000	LAST	X	30.000	YRS	M		
CALC	GAS	EXP END=	16.000	7137.998	134.246	32.250	YRS	M	1072.535	MMCF
420	WATER	EXP	14.310	2403.910	X	30.000	YRS	M		
CALC	WATER	EXP END=	14.310	2403.910	30.633	32.250	YRS	M	238.011	M-UNITS

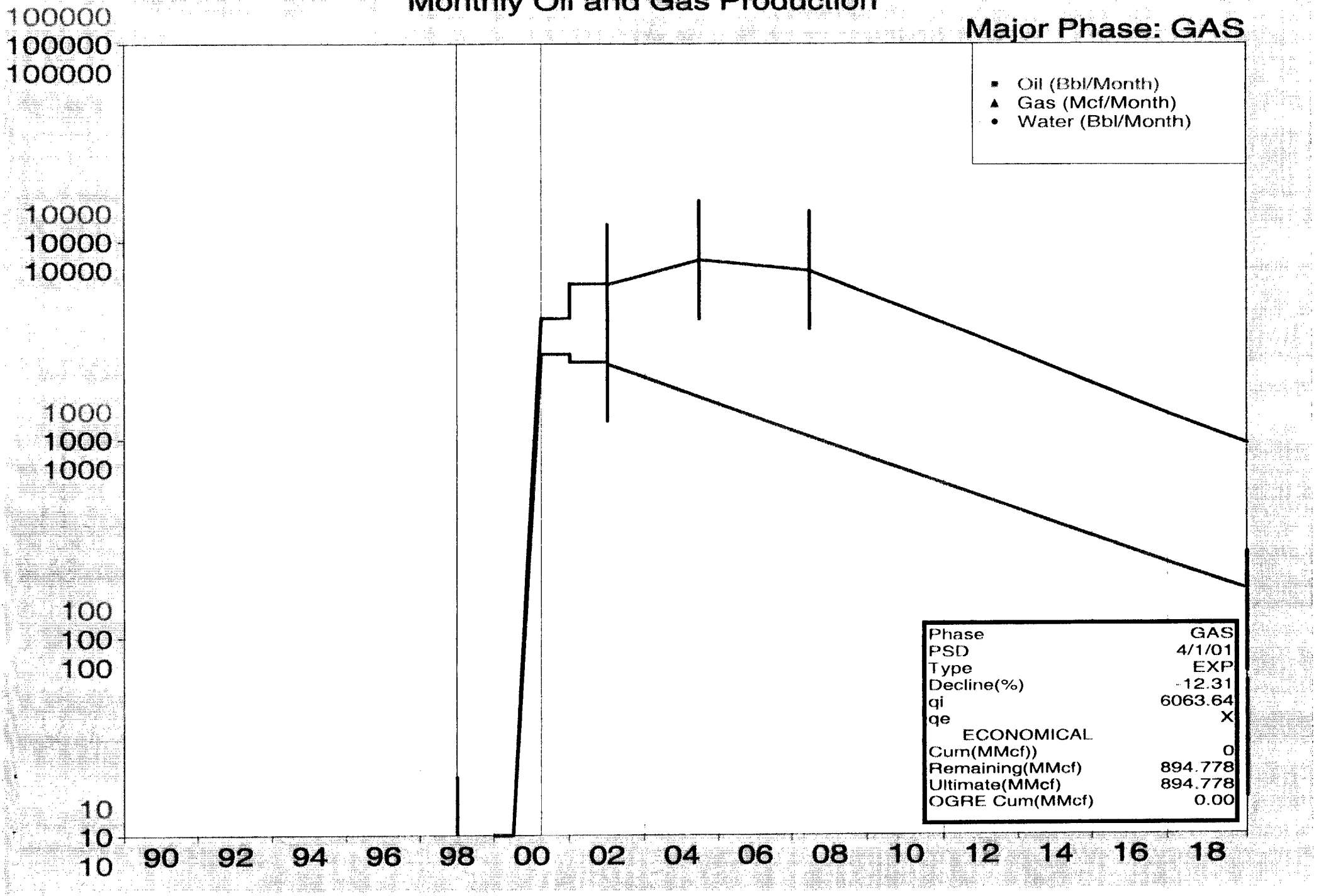
```
600 SERIES LINES:
-----------------
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	2001.400 AD	G	369.000	200.295	.000		

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE (YRS):      18.000
GROSS GAS     (MMCF):    988.674
GROSS WATER     (MU):    221.970
```

ROSA UNIT #357
32N 6W 36B

Monthly Oil and Gas Production



ROSA UNIT COM #368 FTC
PROPNUM 98113-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/18/03
TIME: 11:06:15
FILE: FTC_COM
PROP: 113
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JANUARY 1, 2000

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-00	.000	15.040	.000	13.160	.00	3.28	43.196	4.281	24.338	414.410	-399.833	-376.037
12-01	.000	96.198	.000	84.173	.00	3.25	273.940	27.148	116.785	.000	130.007	-260.204
12-02	.000	185.878	.000	162.643	.00	3.25	529.319	52.456	136.613	.000	340.250	20.494
12-03	.000	205.957	.000	180.212	.00	3.25	586.497	58.122	133.152	.000	395.223	322.391
12-04	.000	231.863	.000	202.880	.00	3.25	660.270	65.432	133.887	.000	460.951	648.414
12-05	.000	222.796	.000	194.947	.00	3.25	634.452	62.875	126.443	.000	445.134	939.928
12-06	.000	208.645	.000	182.564	.00	3.25	594.152	58.881	119.319	.000	415.952	1192.153
12-07	.000	178.216	.000	155.939	.00	3.25	507.501	50.293	107.346	.000	349.862	1388.588
12-08	.000	149.702	.000	130.989	.00	3.25	426.302	42.246	96.570	.000	287.486	1538.044
12-09	.000	125.750	.000	110.031	.00	3.25	358.094	35.487	87.681	.000	234.926	1651.129
12-10	.000	105.630	.000	92.426	.00	3.25	300.799	29.809	80.296	.000	190.694	1736.123
12-11	.000	88.729	.000	77.638	.00	3.25	252.672	25.039	74.134	.000	153.499	1799.471
12-12	.000	74.532	.000	65.216	.00	3.25	212.244	21.033	68.974	.000	122.237	1846.181
12-13	.000	62.607	.000	54.781	.00	3.25	178.284	17.668	64.652	.000	95.964	1880.135
12-14	.000	52.590	.000	46.016	.00	3.25	149.758	14.841	61.022	.000	73.895	1904.344
12-15	.000	44.176	.000	38.654	.00	3.25	125.799	12.467	57.977	.000	55.355	1921.135
12-16	.000	37.107	.000	32.469	.00	3.25	105.670	10.472	55.421	.000	39.777	1932.307
12-17	.000	31.171	.000	27.275	.00	3.25	88.766	8.797	53.271	.000	26.698	1939.250
12-18	.000	26.183	.000	22.910	.00	3.25	74.560	7.389	51.468	.000	15.703	1943.031
12-19	.000	21.994	.000	19.245	.00	3.25	62.633	6.207	49.953	.000	6.473	1944.474
S TOT	.000	2164.764	.000	1894.168	.00	3.25	6164.908	610.943	1699.302	414.410	3440.253	1944.474
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	1944.474
TOTAL	.000	2164.764	.000	1894.168	.00	3.25	6164.908	610.943	1699.302	414.410	3440.253	1944.474
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			6164.908					
ULT.	.000	2164.764		TOTAL REVENUES (M$)			6164.908					

BTAX RATE OF RETURN (PCT)	79.90	PROJECT LIFE (YEARS)	20.000		--------PRESENT WORTH PROFILE---------			
BTAX PAYOUT	10/16/2002	DISCOUNT RATE (PCT)	8.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT (DISC)	12/04/2002	GROSS OIL WELLS	.000	5.0	2382.655	40.0	326.098
BTAX NET INCOME/INVEST	9.30	GROSS GAS WELLS	1.000	8.0	1944.474	45.0	249.758
BTAX NET INCOME/INVEST (DISC)	5.99	GROSS WELLS	1.000	10.0	1708.187	50.0	189.068
				12.0	1506.841	60.0	100.506
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000	15.0	1256.908	70.0	40.920
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000	18.0	1055.675	80.0	-.411
PRODUCTION START DATE	10/01/00	INITIAL NET GAS FRACTION	.875000	20.0	942.769	90.0	-29.749
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000	25.0	716.812	100.0	-50.951
WATER GROSS PROD. (MU)	43.208	WATER NET PRODUCTION (MU)	.000	WATER	NET REVENUES (M$)		.000

OGRE(R) V2.2 BTAX — D A T A R E P O R T — DATE: 08/18/03
FILE NAME: FTC_COM (113) — TIME: 11:06:15
CASE NAME: ROSA UNIT COM #358 -TEST -1PDP-RLG-4163.01 -BASIN

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101 ROSA UNIT COM #358 FTC
102 PROPNUM 98113-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
   120 1 99 12 01 01 2000 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	10/01/2000

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

```
300 SERIES LINES:
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```

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	0.	.000	.000
325	3.	15041.000	3360.000
326	3.	18587.000	5760.000
327	3.	26733.000	3280.000
328	3.	23068.000	3760.000
329	3.	27810.000	3200.000
330	3.	32802.000	3120.000
331	3.	42549.000	2800.000
332	3.	51078.000	2800.000
333	3.	59450.000	2240.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-18.650	15737.380	X	1.320	IYRS	M		
CALC	GAS	EXP	END=	-18.650	15737.380	19722.677	5.320	YRS	M	576.773	MMCF
411	GAS	EXP		5.000	LAST	X	2.190	IYRS	M		
CALC	GAS	EXP	END=	5.000	19722.677	17627.087	7.510	YRS	M	1067.034	MMCF
412	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	579.521	3.101	37.510	YRS	D	2273.740	MMCF
420	WATER	EXP		51.760	25.740	X	30.000	IYRS	D		
CALC	WATER	EXP	END=	51.760	25.740	.000	34.000	YRS	D	43.208	M-UNITS

```
600 SERIES LINES:
-----------------
602 DATA BTU : 0.987 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

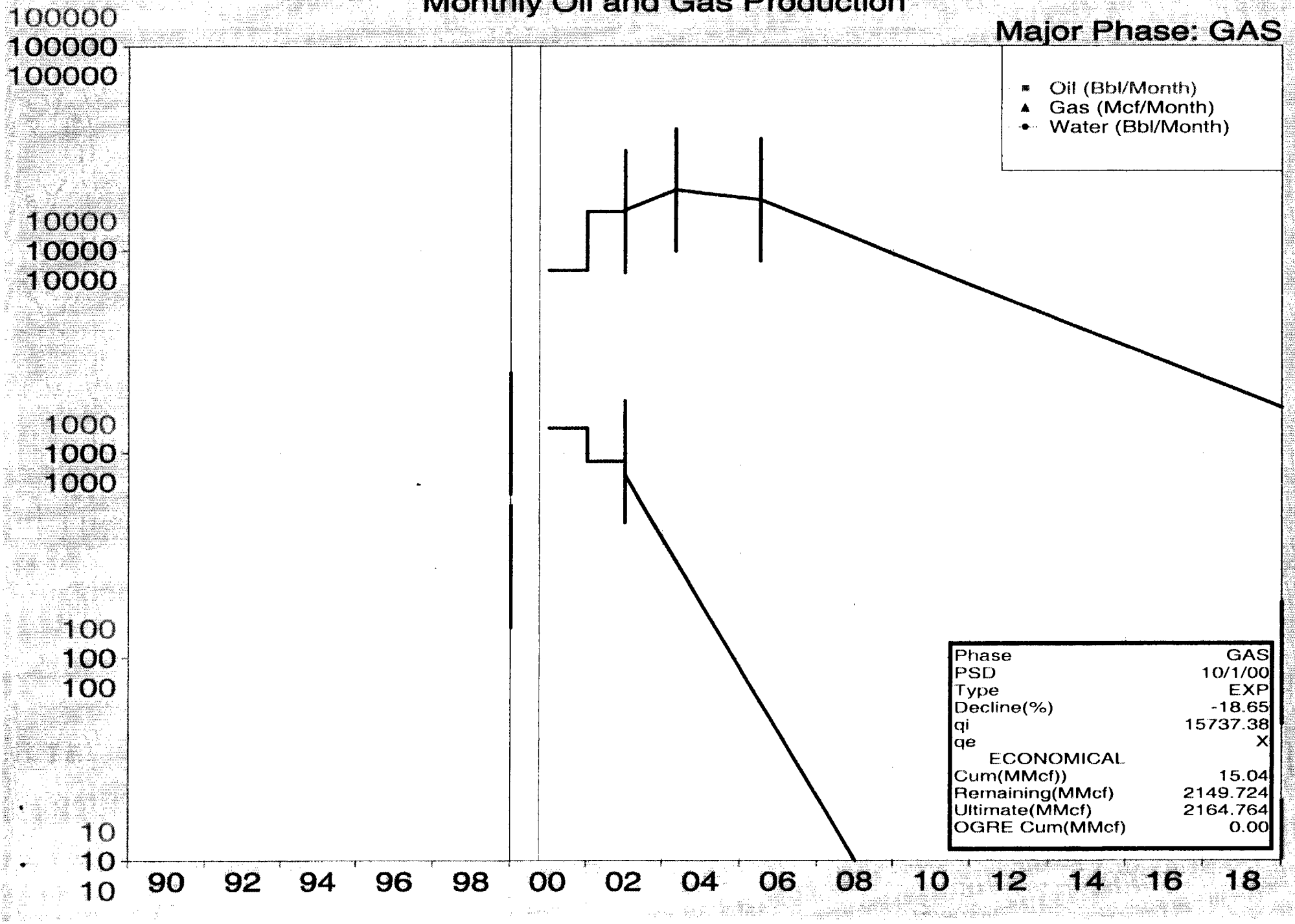
629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	2000.800	AD	G	200.000	214.410	.000		

```
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG
```

ECONOMIC LIFE (YRS): 20.000
GROSS GAS (MMCF): 2164.764
GROSS WATER (MU): 43.208

ROSA UNIT COM #358
32N 6W 34K
Monthly Oil and Gas Production



ROSA UNIT #361
2002 SJB DRILLING PROGRAM
FRUITLAND COAL
L3D

DATE: 08/20/03
TIME: 10:30:19
FILE: FTC_COM
PROP: 105
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JANUARY 1, 2002

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-01	.000	.000	.000	.000	.00	3.27	.000	.000	.000	.000	.000	.000
12-02	.000	63.686	.000	55.725	.00	3.27	182.275	16.405	38.312	718.525	-590.967	-559.290
12-03	.000	170.602	.000	149.277	.00	3.27	488.281	43.945	118.072	.000	326.264	-268.598
12-04	.000	112.314	.000	98.275	.00	3.27	321.455	28.931	93.068	.000	199.456	-104.052
12-05	.000	84.660	.000	74.078	.00	3.27	242.307	21.808	80.236	.000	140.263	3.090
12-06	.000	68.319	.000	59.779	.00	3.27	195.535	17.598	72.272	.000	105.665	77.825
12-07	.000	57.467	.000	50.284	.00	3.27	164.478	14.803	66.850	.000	82.825	132.066
12-08	.000	49.706	.000	43.493	.00	3.27	142.264	12.804	62.953	.000	66.507	172.395
12-09	.000	43.869	.000	38.385	.00	3.27	125.556	11.300	60.048	.000	54.208	202.831
12-10	.000	39.310	.000	34.396	.00	3.27	112.508	10.126	57.821	.000	44.561	225.997
12-11	.000	35.647	.000	31.191	.00	3.27	102.025	9.182	56.073	.000	36.770	243.697
12-12	.000	32.636	.000	28.557	.00	3.27	93.409	8.407	54.674	.000	30.328	257.214
12-13	.000	30.115	.000	26.351	.00	3.27	86.193	7.757	53.538	.000	24.898	267.489
12-14	.000	27.971	.000	24.475	.00	3.27	80.057	7.205	52.599	.000	20.253	275.228
12-15	.000	26.126	.000	22.860	.00	3.27	74.774	6.730	51.810	.000	16.234	280.972
12-16	.000	24.519	.000	21.454	.00	3.27	70.175	6.316	51.141	.000	12.718	285.139
12-17	.000	23.108	.000	20.220	.00	3.27	66.139	5.953	50.566	.000	9.620	288.057
12-18	.000	21.857	.000	19.125	.00	3.27	62.557	5.630	50.067	.000	6.860	289.984
12-19	.000	20.738	.000	18.146	.00	3.27	59.355	5.342	49.625	.000	4.388	291.125
12-20	.000	19.701	.000	17.238	.00	3.27	56.385	5.075	49.225	.000	2.085	291.627
S TOT	.000	952.351	.000	833.309	.00	3.27	2725.728	245.317	1168.950	718.525	592.936	291.627
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	291.627
TOTAL	.000	952.351	.000	833.309	.00	3.27	2725.728	245.317	1168.950	718.525	592.936	291.627
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			2725.728					
ULT.	.000	952.351		TOTAL REVENUES (M$)			2725.728					

BTAX RATE OF RETURN (PCT)	26.92	PROJECT LIFE (YEARS)	20.000				
BTAX PAYOUT	06/18/2005	DISCOUNT RATE (PCT)	8.000				
BTAX PAYOUT (DISC)	12/20/2005	GROSS OIL WELLS	.000				
BTAX NET INCOME/INVEST	1.83	GROSS GAS WELLS	1.000				
BTAX NET INCOME/INVEST (DISC)	1.43	GROSS WELLS	1.000				
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000				
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000				
PRODUCTION START DATE	9/29/02	INITIAL NET GAS FRACTION	.875000				
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000				
WATER GROSS PROD. (MU)	22.421	WATER NET PRODUCTION (MU)	19.621				

---------PRESENT WORTH PROFILE---------			
DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	592.936	30.0	-25.618
2.0	497.830	35.0	-58.170
5.0	382.463	40.0	-84.016
8.0	291.627	45.0	-104.781
10.0	241.412	50.0	-121.622
12.0	197.787	60.0	-146.684
15.0	142.356	70.0	-163.720
18.0	96.484	80.0	-175.402
20.0	70.164	90.0	-183.378
25.0	15.993	100.0	-188.740

WATER NET REVENUES (M$) .000

OGRE(R) V2.2 BTAX — DATA REPORT — DATE: 08/20/03
FILE NAME: FTC_COM (105) — TIME: 10:30:19
CASE NAME: ROSA UNIT #361 -TEST -1PDP-RLG-4242.01 -INPUT

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101 ROSA UNIT #361
102 2002 SJB DRILLING PROGRAM
103 FRUITLAND COAL
104 LSD

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 00 12 01 01 2002 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	.000	GAS	9/29/2002

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	.0	

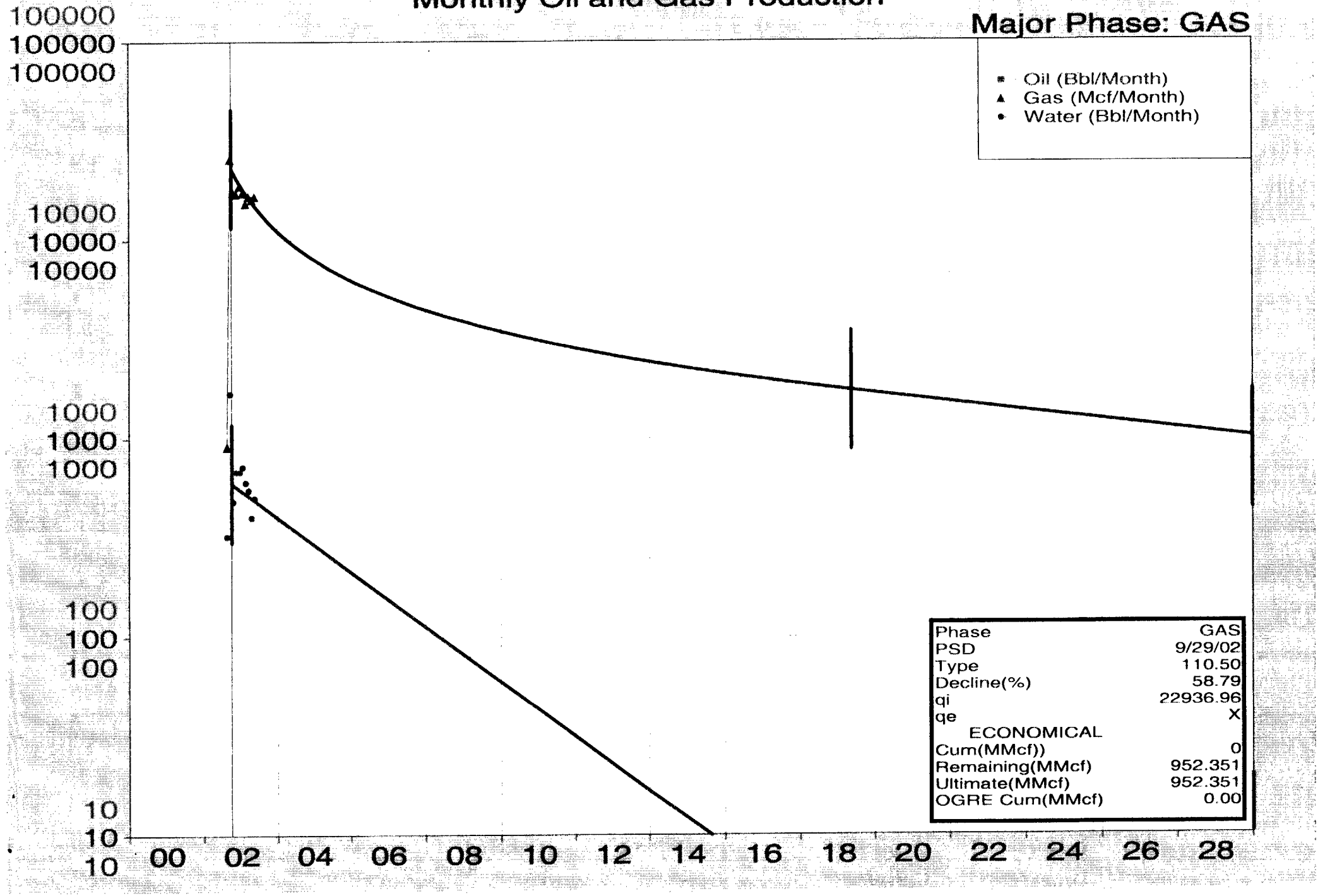
	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	110.500	58.790	22936.960	X	5.000	%	M		
CALC	GAS	110.500	END= 5.000	22936.960	1739.900	19.366	YRS	M	919.620	MMCF
411	GAS	EXP	LAST	LAST	X	30.000	YRS	M		
CALC	GAS	EXP	END= 5.000	1739.900	876.028	32.743	YRS	M	1121.722	MMCF
430	WATER	EXP	27.140	19.510	X	30.000	YRS	D		
CALC	WATER	EXP	END= 27.140	19.510	.001	32.743	YRS	D	22.489	M-UNITS

```
600 SERIES LINES:
    ------------
602 DATA BTU : 0.992 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	.000 MOS	G	318.525	400.000	.000		

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE  (YRS):        20.000
GROSS GAS      (MMCF):      952.351
GROSS WATER      (MU):       22.421
```

ROSA UNIT #361
31N 5W 16K
Monthly Oil and Gas Production



ROSA UNIT #363
CO AND NM
FRUITLAND
SAR

DATE: 08/18/03
TIME: 11:16:12
FILE: FTC_COM
PROP: 106
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF APRIL 1, 2001

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-01	.000	17.106	.000	14.968	.00	3.26	48.861	4.842	58.004	613.547	-627.532	-629.457
12-02	.000	101.852	.000	89.121	.00	3.26	290.924	28.830	129.842	.000	132.252	-509.335
12-03	.000	101.184	.000	88.536	.00	3.26	289.015	28.641	125.339	.000	135.035	-395.770
12-04	.000	94.831	.000	82.977	.00	3.26	270.868	26.843	115.698	.000	128.327	-295.841
12-05	.000	88.795	.000	77.696	.00	3.26	253.629	25.135	107.089	.000	121.405	-208.305
12-06	.000	77.811	.000	68.085	.00	3.26	222.255	22.026	97.490	.000	102.739	-139.715
12-07	.000	65.361	.000	57.191	.00	3.26	186.693	18.501	88.056	.000	80.136	-90.178
12-08	.000	54.904	.000	48.041	.00	3.26	156.824	15.541	79.969	.000	61.314	-55.084
12-09	.000	46.119	.000	40.354	.00	3.26	131.731	13.055	73.020	.000	45.656	-30.888
12-10	.000	38.740	.000	33.898	.00	3.26	110.656	10.966	67.054	.000	32.636	-14.873
12-11	.000	32.541	.000	28.473	.00	3.26	92.947	9.211	61.926	.000	21.810	-4.963
12-12	.000	27.335	.000	23.918	.00	3.26	78.077	7.738	57.519	.000	12.820	.431
12-13	.000	22.962	.000	20.092	.00	3.26	65.588	6.500	53.731	.000	5.357	2.518
S TOT	.000	769.541	.000	673.350	.00	3.26	2198.068	217.829	1114.737	613.547	251.955	2.518
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	2.518
TOTAL	.000	769.541	.000	673.350	.00	3.26	2198.068	217.829	1114.737	613.547	251.955	2.518
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				2198.068				
ULT.	.000	769.541		TOTAL REVENUES (M$)				2198.068				

BTAX RATE OF RETURN (PCT)	8.11	PROJECT LIFE (YEARS)	13.000		
BTAX PAYOUT	02/06/2007	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	11/30/2012	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	1.41	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	1.00	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	5/01/01	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	182.249	WATER NET PRODUCTION (MU)	159.469	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	251.955	30.0	-308.467
2.0	176.807	35.0	-345.297
5.0	81.383	40.0	-375.825
8.0	2.518	45.0	-401.472
10.0	-42.675	50.0	-423.284
12.0	-82.954	60.0	-458.297
15.0	-135.635	70.0	-485.095
18.0	-180.649	80.0	-506.230
20.0	-207.124	90.0	-523.317
25.0	-263.355	100.0	-537.414

```
101 ROSA UNIT #363
102 CO AND NM
103 FRUITLAND
104 SAR

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 00 12 04 01 2001 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	2500.00	1.000	GAS	5/01/2001

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	9.000	1.0	

```
300 SERIES LINES:
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```

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	2.	.000	.000
371	3.	1484.000	5600.000
372	3.	15622.000	7120.000
373	3.	23239.000	6840.000
374	3.	26395.000	6240.000
375	3.	23727.000	6480.000
376	3.	28491.000	5600.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
411	GAS	EXP		6.279	8708.385	X	2.868	IYR	M		
CALC	GAS	EXP	END=	6.279	8708.385	7230.459	5.868	YRS	M	392.446	MMCF
412	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	237.714	1.272	35.868	YRS	D	887.425	MMCF
420	WATER	EXP		12.514	2088.263	X	33.000	IYRS	M		
CALC	WATER	EXP	END=	12.514	2088.263	25.337	36.000	YRS	M	223.046	M-UNITS

```
600 SERIES LINES:
-----------------
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	2001.200 AD	G	313.547	300.000	.000		

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE (YRS):        13.000
GROSS GAS     (MMCF):      769.541
GROSS WATER     (MU):      182.249
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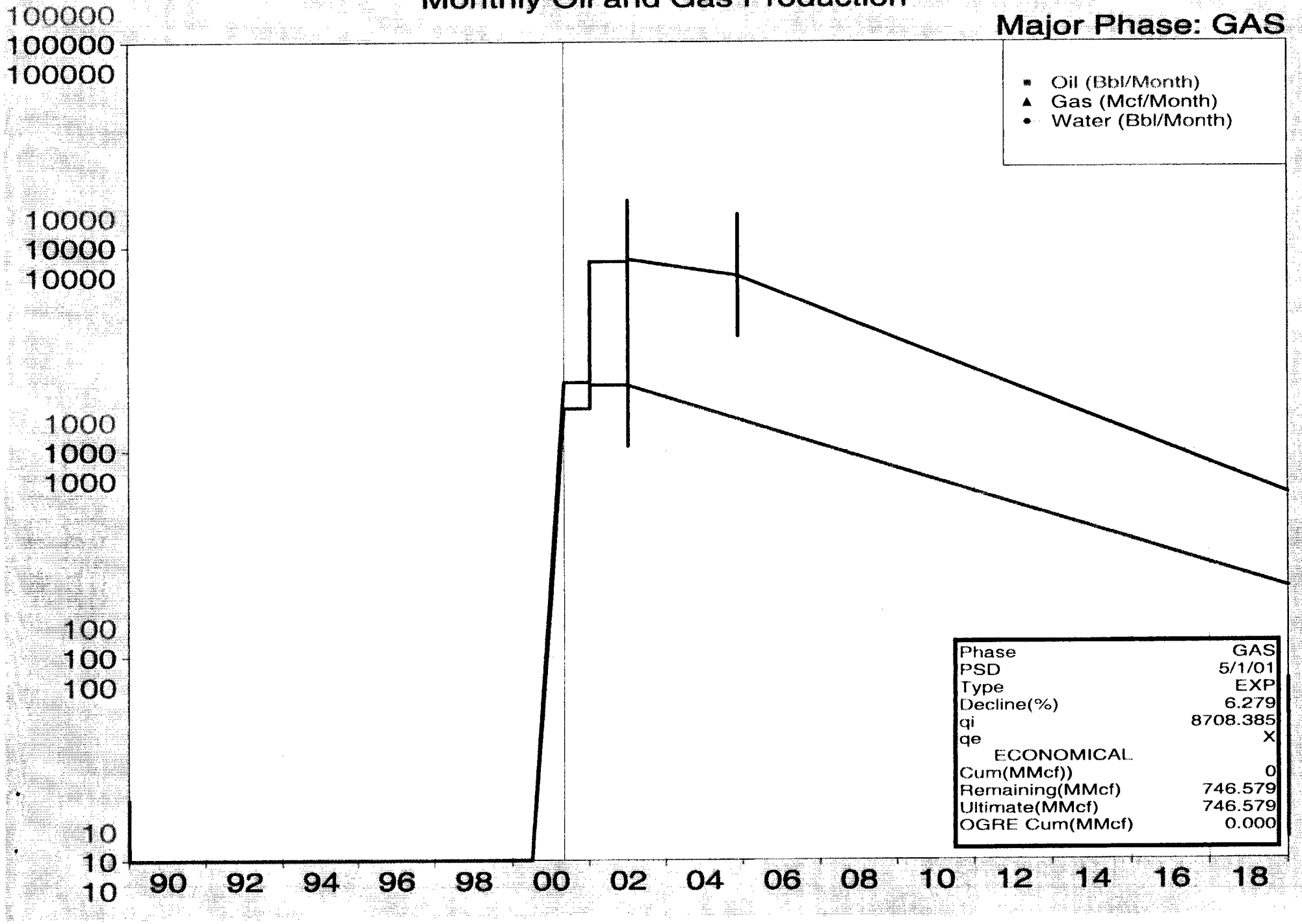
ROSA UNIT #363
31N 5W 17A
Monthly Oil and Gas Production



ROSA UNIT #371
2002 SJB DRILLING PROGRAM
FRUITLAND COAL
L3D

DATE: 08/20/03
TIME: 10:38:26
FILE: FTC_COM
PROP: 107
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JANUARY 1, 2002

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-01	.000	.000	.000	.000	.00	3.26	.000	.000	.000	.000	.000	.000
12-02	.000	16.286	.000	14.250	.00	3.26	46.517	4.187	16.400	720.570	-694.640	-651.644
12-03	.000	115.184	.000	100.786	.00	3.26	329.003	29.610	102.265	.000	197.128	-476.008
12-04	.000	94.440	.000	82.635	.00	3.26	269.752	24.278	91.111	.000	154.363	-348.662
12-05	.000	73.803	.000	64.578	.00	3.26	210.807	18.973	80.708	.000	111.126	-263.777
12-06	.000	62.662	.000	54.829	.00	3.26	178.982	16.108	74.325	.000	88.549	-201.148
12-07	.000	55.412	.000	48.486	.00	3.26	158.277	14.245	69.813	.000	74.219	-152.543
12-08	.000	50.206	.000	43.930	.00	3.26	143.404	12.906	66.408	.000	64.090	-113.680
12-09	.000	46.235	.000	40.456	.00	3.26	132.064	11.886	63.752	.000	56.426	-81.999
12-10	.000	43.077	.000	37.692	.00	3.26	123.041	11.074	61.629	.000	50.338	-55.830
12-11	.000	40.487	.000	35.426	.00	3.26	115.644	10.408	59.903	.000	45.333	-34.008
12-12	.000	38.311	.000	33.522	.00	3.26	109.428	9.849	58.483	.000	41.096	-15.691
12-13	.000	36.386	.000	31.838	.00	3.26	103.931	9.354	57.275	.000	37.302	-.297
12-14	.000	34.566	.000	30.245	.00	3.26	98.731	8.886	56.207	.000	33.638	12.557
12-15	.000	32.838	.000	28.733	.00	3.26	93.795	8.442	55.253	.000	30.100	23.207
12-16	.000	31.196	.000	27.297	.00	3.26	89.108	8.020	54.395	.000	26.693	31.952
12-17	.000	29.636	.000	25.932	.00	3.26	84.652	7.619	53.617	.000	23.416	39.055
12-18	.000	28.155	.000	24.636	.00	3.26	80.421	7.238	52.910	.000	20.273	44.749
12-19	.000	26.747	.000	23.404	.00	3.26	76.399	6.876	52.261	.000	17.262	49.238
12-20	.000	25.409	.000	22.233	.00	3.26	72.577	6.532	51.666	.000	14.379	52.700
12-21	.000	24.139	.000	21.122	.00	3.26	68.950	6.206	51.118	.000	11.626	55.292
12-22	.000	22.932	.000	20.066	.00	3.26	65.503	5.895	50.607	.000	9.001	57.150
12-23	.000	21.785	.000	19.062	.00	3.26	62.226	5.600	50.136	.000	6.490	58.391
12-24	.000	20.697	.000	18.110	.00	3.26	59.118	5.321	49.695	.000	4.102	59.117
12-25	.000	19.661	.000	17.203	.00	3.26	56.157	5.054	49.281	.000	1.822	59.416
S TOT	.000	990.250	.000	866.471	.00	3.26	2828.487	254.567	1429.218	720.570	424.132	59.416
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	59.416
TOTAL	.000	990.250	.000	866.471	.00	3.26	2828.487	254.567	1429.218	720.570	424.132	59.416
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			2828.487	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	990.250		TOTAL REVENUES (M$)			2828.487	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		10.35	PROJECT LIFE (YEARS)				25.000	.0	424.132	30.0	-219.510	
BTAX PAYOUT		02/04/2009	DISCOUNT RATE (PCT)				8.000	2.0	299.636	35.0	-240.018	
BTAX PAYOUT (DISC)		01/09/2014	GROSS OIL WELLS				.000	5.0	160.066	40.0	-254.622	
BTAX NET INCOME/INVEST		1.59	GROSS GAS WELLS				1.000	8.0	59.416	45.0	-265.011	
BTAX NET INCOME/INVEST (DISC)		1.09	GROSS WELLS				1.000	10.0	7.425	50.0	-272.318	
								12.0	-35.554	60.0	-280.597	
INITIAL W.I. FRACTION		1.000000	INITIAL NET OIL FRACTION				.000000	15.0	-87.095	70.0	-283.459	
FINAL W.I. FRACTION		1.000000	FINAL NET OIL FRACTION				.000000	18.0	-127.023	80.0	-283.061	
PRODUCTION START DATE		11/01/02	INITIAL NET GAS FRACTION				.875000	20.0	-148.743	90.0	-280.667	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.875000	25.0	-190.486	100.0	-277.038	
WATER GROSS PROD. (MU)		38.820	WATER NET PRODUCTION (MU)				33.970	WATER NET REVENUES (M$)			.000	

```
101 ROSA UNIT #371
102 2002 SJB DRILLING PROGRAM
103 FRUITLAND COAL
104 LSD

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 00 12 01 01 2002 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	.000	GAS	11/01/2002

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	.0	

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	-39.140	7920.870	X	.900	IYRS	M		
CALC	GAS	EXP END=	-39.140	7920.870	10663.007	3.733	YRS	M	99.620	MMCF
411	GAS	198.590	43.610	LAST	X	5.000	%	M		
CALC	GAS	198.590 END=	5.000	10663.007	3163.431	12.671	YRS	M	623.734	MMCF
412	GAS	EXP LAST		LAST	X	30.000	YRS	M		
CALC	GAS	EXP END=	5.000	3163.431	1124.666	32.833	YRS	M	1100.701	MMCF
430	WATER	EXP	19.630	23.390	X	30.000	YRS	D		
CALC	WATER	EXP END=	19.630	23.390	.033	32.833	YRS	D	39.012	M-UNITS

```
600 SERIES LINES:
    ----------------
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

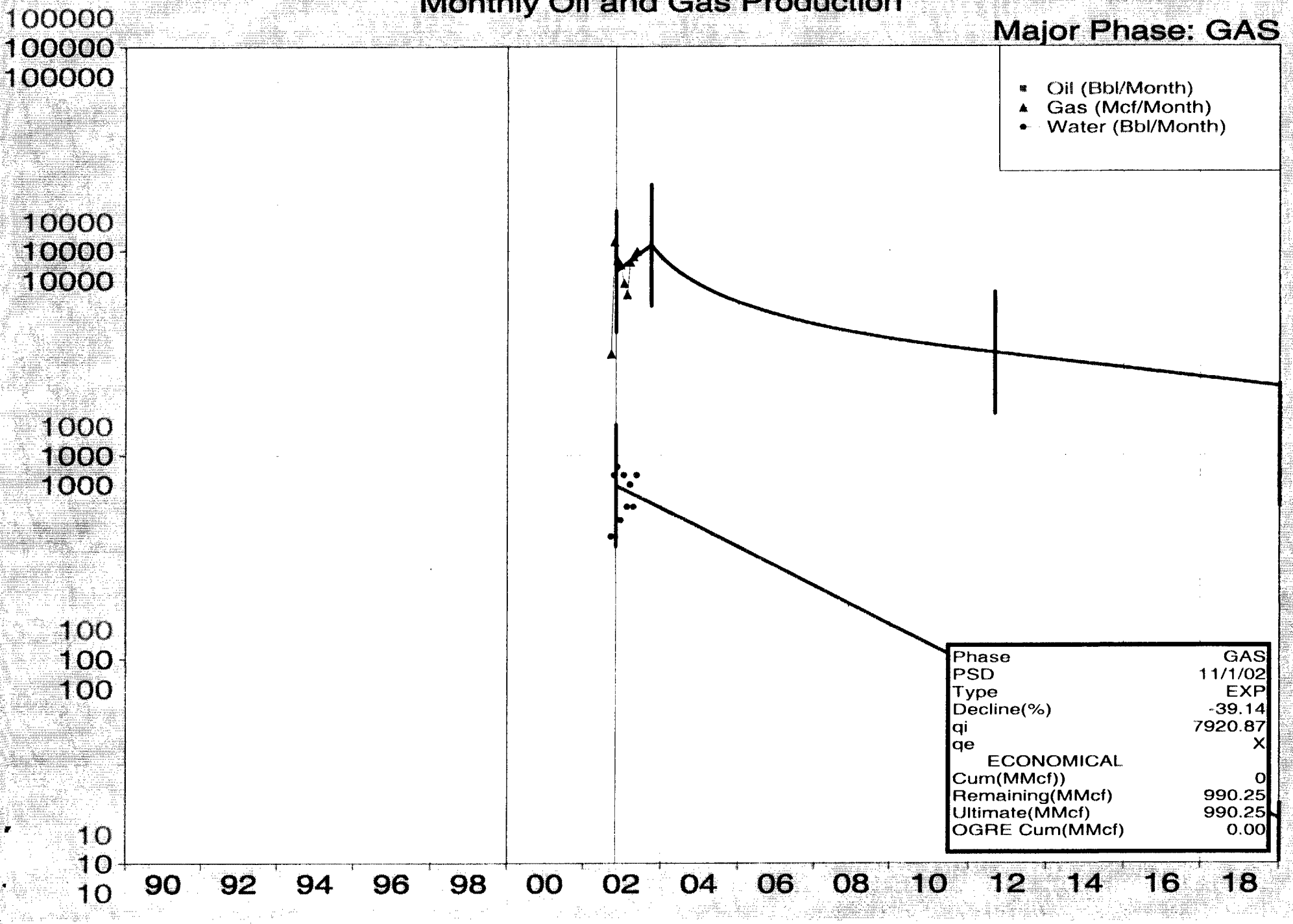
629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	.000 MOS	G	320.570	400.000	.000		

```
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE  (YRS):        25.000
GROSS GAS     (MMCF):       990.250
GROSS WATER     (MU):        38.820
```

ROSA UNIT #371
31N 5W 13K
Monthly Oil and Gas Production



ROSA UNIT #379
.002 SJB DRILLING PROGRAM
FRUITLAND COAL
3D

DATE: 08/20/03
TIME: 10:44:13
FILE: FTC_COM
PROP: 108
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JANUARY 1, 2002

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-01	.000	.000	.000	.000	.00	3.27	.000	.000	.000	.000	.000	.000
12-02	.000	51.089	.000	44.703	.00	3.27	146.222	13.160	80.215	631.824	-578.977	-543.617
12-03	.000	207.963	.000	181.968	.00	3.27	595.212	53.569	386.345	.000	155.298	-405.251
12-04	.000	141.712	.000	123.998	.00	3.27	405.594	36.503	298.921	.000	70.170	-347.363
12-05	.000	111.543	.000	97.600	.00	3.27	319.247	28.732	239.541	.000	50.974	-308.426
12-06	.000	93.610	.000	81.909	.00	3.27	267.922	24.113	196.016	.000	47.793	-274.623
12-07	.000	81.503	.000	71.315	.00	3.27	233.269	20.994	163.334	.000	48.941	-242.572
12-08	.000	72.681	.000	63.596	.00	3.27	208.021	18.722	138.510	.000	50.789	-211.775
12-09	.000	65.914	.000	57.675	.00	3.27	188.653	16.979	119.530	.000	52.144	-182.498
12-10	.000	60.529	.000	52.963	.00	3.27	173.240	15.592	104.946	.000	52.702	-155.100
12-11	.000	56.126	.000	49.110	.00	3.27	160.637	14.457	93.693	.000	52.487	-129.835
12-12	.000	52.442	.000	45.887	.00	3.27	150.095	13.509	84.979	.000	51.607	-106.833
12-13	.000	49.310	.000	43.146	.00	3.27	141.129	12.702	78.204	.000	50.223	-86.106
12-14	.000	46.607	.000	40.781	.00	3.27	133.393	12.005	72.911	.000	48.477	-67.582
12-15	.000	44.228	.000	38.700	.00	3.27	126.587	11.393	68.752	.000	46.442	-51.150
12-16	.000	42.017	.000	36.765	.00	3.27	120.257	10.823	65.433	.000	44.001	-36.735
12-17	.000	39.917	.000	34.927	.00	3.27	114.245	10.282	62.745	.000	41.218	-24.232
12-18	.000	37.920	.000	33.180	.00	3.27	108.531	9.768	60.551	.000	38.212	-13.499
12-19	.000	36.024	.000	31.521	.00	3.27	103.104	9.279	58.735	.000	35.090	-4.373
12-20	.000	34.223	.000	29.945	.00	3.27	97.949	8.815	57.223	.000	31.911	3.311
12-21	.000	32.512	.000	28.448	.00	3.27	93.053	8.375	55.946	.000	28.732	9.717
12-22	.000	30.887	.000	27.026	.00	3.27	88.401	7.956	54.853	.000	25.592	15.000
12-23	.000	29.342	.000	25.674	.00	3.27	83.979	7.558	53.907	.000	22.514	19.304
12-24	.000	27.875	.000	24.391	.00	3.27	79.782	7.180	53.081	.000	19.521	22.759
12-25	.000	26.481	.000	23.171	.00	3.27	75.792	6.821	52.352	.000	16.619	25.483
12-26	.000	25.157	.000	22.012	.00	3.27	72.001	6.480	51.698	.000	13.823	27.581
12-27	.000	23.899	.000	20.912	.00	3.27	68.403	6.156	51.111	.000	11.136	29.146
12-28	.000	22.704	.000	19.866	.00	3.27	64.981	5.848	50.574	.000	8.559	30.260
12-29	.000	21.570	.000	18.874	.00	3.27	61.736	5.556	50.089	.000	6.091	30.994
12-30	.000	20.490	.000	17.929	.00	3.27	58.645	5.278	49.635	.000	3.732	31.410
12-31	.000	19.466	.000	17.033	.00	3.27	55.714	5.014	49.220	.000	1.480	31.563
S TOT	.000	1605.741	.000	1405.025	.00	3.27	4595.794	413.619	3003.050	631.824	547.301	31.563
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	31.563
TOTAL	.000	1605.741	.000	1405.025	.00	3.27	4595.794	413.619	3003.050	631.824	547.301	31.563
CUM.	.000	.000		NET OIL REVENUES (M$)				.000	---------PRESENT WORTH PROFILE---------			
				NET GAS REVENUES (M$)				4595.794	DISC	PW OF NET	DISC	PW OF NET
ULT.	.000	1605.741		TOTAL REVENUES (M$)				4595.794	RATE	BTAX, M$	RATE	BTAX, M$
									.0	547.301	30.0	-240.525
BTAX RATE OF RETURN (PCT)		9.04	PROJECT LIFE (YEARS)					31.000	2.0	354.813	35.0	-253.698
BTAX PAYOUT		12/15/2011	DISCOUNT RATE (PCT)					8.000	5.0	158.650	40.0	-261.826
BTAX PAYOUT (DISC)		07/26/2020	GROSS OIL WELLS					.000	8.0	31.563	45.0	-266.619
BTAX NET INCOME/INVEST		1.87	GROSS GAS WELLS					1.000	10.0	-28.850	50.0	-269.133
BTAX NET INCOME/INVEST (DISC)		1.05	GROSS WELLS					1.000	12.0	-75.858	60.0	-269.869
INITIAL W.I. FRACTION		1.000000	INITIAL NET OIL FRACTION					.000000	15.0	-128.458	70.0	-267.272
FINAL W.I. FRACTION		1.000000	FINAL NET OIL FRACTION					.000000	18.0	-166.098	80.0	-262.936
PRODUCTION START DATE		10/29/02	INITIAL NET GAS FRACTION					.875000	20.0	-185.318	90.0	-257.698
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION					.875000	25.0	-219.433	100.0	-252.027
WATER GROSS PROD. (MU)		477.675	WATER NET PRODUCTION (MU)					417.969	WATER NET REVENUES (M$)			.000

OGRE(R) V2.2 BTAX — D A T A R E P O R T — DATE: 08/20/03
FILE NAME: FTC_COM (108) — TIME: 10:44:13
CASE NAME: ROSA UNIT #379 -TEST -1PDP-RLG-4848.01 -BASIN

```
101 ROSA UNIT #379
102 2002 SJB DRILLING PROGRAM
103 FRUITLAND COAL
104 LSD

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 00 12 01 01 2002 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	.000	GAS	10/29/2002

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	.0	

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	149.610	61.570	26504.090	X	5.000	%	M		
CALC	GAS	149.610	END= 5.000	26504.090	3750.359	15.159	YRS	M	1098.206	MMCF
411	GAS	EXP	LAST	LAST	X	30.000	YRS	M		
CALC	GAS	EXP	END= 5.000	3750.359	1515.290	32.827	YRS	M	1621.097	MMCF
430	WATER	EXP	23.570	351.910	X	30.000	IYRS	D		
CALC	WATER	EXP	END= 23.570	351.910	.111	32.827	YRS	D	477.713	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.992 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

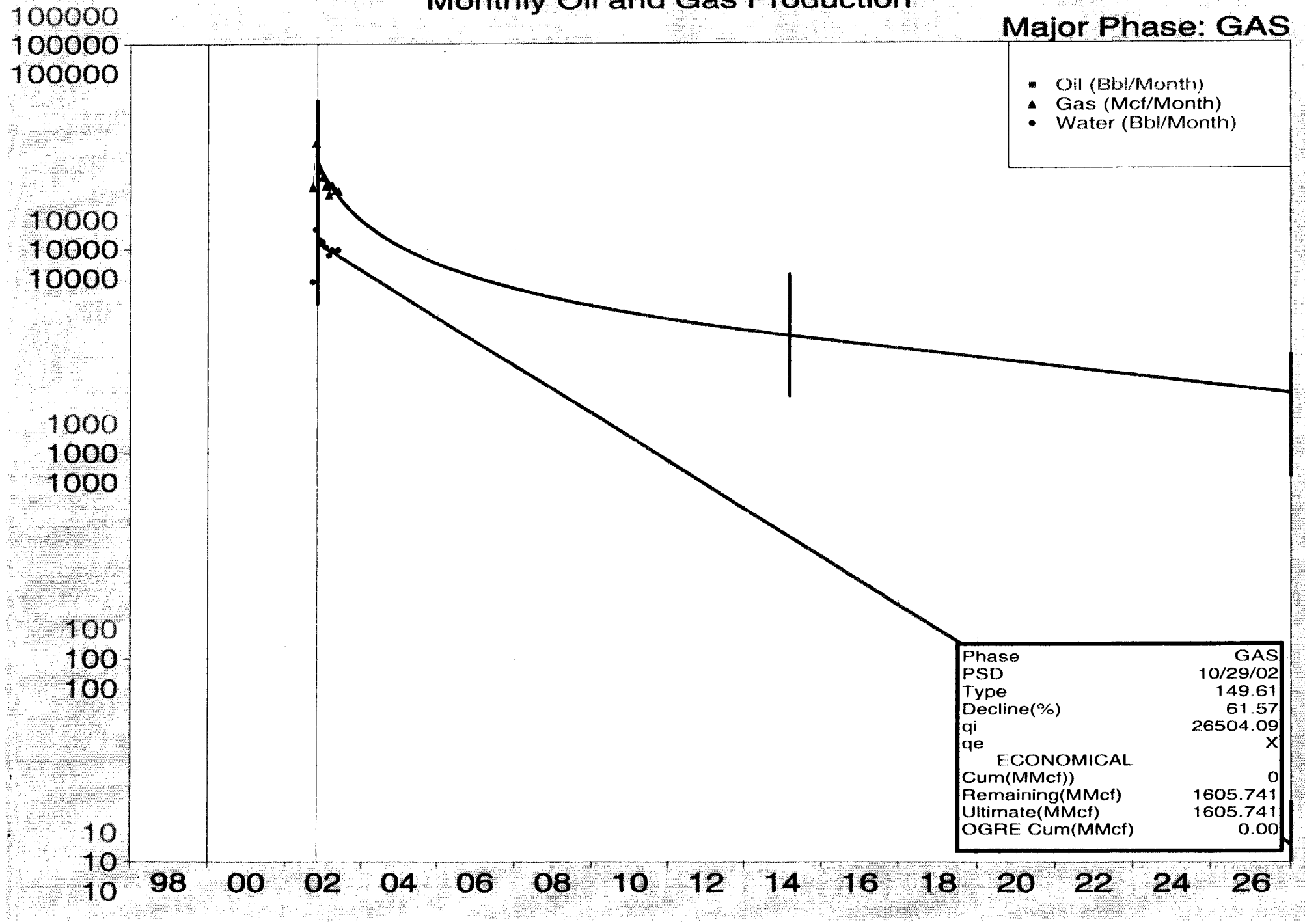
629 CASE $AREA788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	.000 MOS	G	331.824	300.000	.000		

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE (YRS):        31.000
GROSS GAS     (MMCF):     1605.741
GROSS WATER     (MU):      477.675
```

ROSA UNIT #379
31N 05W 8N
Monthly Oil and Gas Production



ROSA UNIT #264
PROPNUM 81422-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 05:19:37
FILE: FTC_COM
PROP: 51
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END- MO-YR	GROSS PRODUCTION OIL, MBBL	GROSS PRODUCTION GAS, MMCF	NET PRODUCTION OIL, MBBL	NET PRODUCTION GAS, MMCF	PRICES OIL $/B	PRICES GAS $/M	OPERATIONS, M$ NET OPER REVENUES	OPERATIONS, M$ SEV+ADV TAXES	OPERATIONS, M$ NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.52	.000	.000	.000	77.533	-77.533	-70.966
12-92	.000	.000	.000	.000	.00	1.74	.000	.000	.000	.000	.000	-70.966
12-93	.000	.000	.000	.000	.00	1.50	.000	.000	.000	.000	.000	-70.966
12-94	.000	.000	.000	.000	.00	1.09	.000	.000	.000	.000	.000	-70.966
12-95	.000	.000	.000	.000	.00	1.28	.000	.000	.000	.000	.000	-70.966
12-96	.000	.000	.000	.000	.00	1.53	.000	.000	.000	.000	.000	-70.966
12-97	.000	.000	.000	.000	.00	2.13	.000	.000	.000	.000	.000	-70.966
12-98	.000	.570	.000	.115	.00	1.71	.197	.020	6.441	.000	-6.264	-74.416
12-99	.000	23.238	.000	4.677	.00	1.89	8.862	.879	17.184	46.099	-55.300	-102.617
12-00	.000	14.439	.000	2.906	.00	3.25	9.435	.935	21.112	.000	-12.612	-108.572
12-01	.000	35.133	.000	7.071	.00	3.22	22.763	2.256	24.188	9.770	-13.451	-114.355
12-02	.000	60.354	.000	12.146	.00	3.22	39.100	3.875	26.884	.000	8.341	-110.978
12-03	.000	60.434	.000	12.162	.00	3.22	39.152	3.880	25.478	.000	9.794	-107.307
12-04	.000	57.412	.000	11.554	.00	3.22	37.195	3.686	22.955	.000	10.554	-103.644
12-05	.000	54.275	.000	10.923	.00	3.22	35.163	3.485	20.802	.000	10.876	-100.149
12-06	.000	46.040	.000	9.266	.00	3.22	29.829	2.956	18.548	.000	8.325	-97.672
12-07	.000	37.293	.000	7.505	.00	3.22	24.160	2.394	16.514	.000	5.252	-96.225
12-08	.000	30.207	.000	6.079	.00	3.22	19.570	1.939	14.837	.000	2.794	-95.512
12-09	.000	24.468	.000	4.924	.00	3.22	15.851	1.571	13.453	.000	.827	-95.317
S TOT	.000	443.863	.000	89.328	.00	3.15	281.277	27.876	228.396	133.402	-108.397	-95.317
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-95.317
TOTAL	.000	443.863	.000	89.328	.00	3.15	281.277	27.876	228.396	133.402	-108.397	-95.317
CUM.	.000	.000										
ULT.	.000	443.863										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	281.277				
TOTAL REVENUES (M$)	281.277				
PROJECT LIFE (YEARS)	19.000				
DISCOUNT RATE (PCT)	8.000				
GROSS OIL WELLS	.000				
GROSS GAS WELLS	1.000				
GROSS WELLS	2.000				
INITIAL NET OIL FRACTION	.000000				
FINAL NET OIL FRACTION	.000000				
INITIAL NET GAS FRACTION	.201250				
FINAL NET GAS FRACTION	.201250				
WATER NET PRODUCTION (MU)	39.143				

PRESENT WORTH PROFILE

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-108.397	30.0	-63.989
2.0	-106.109	35.0	-59.812
5.0	-101.056	40.0	-56.295
8.0	-95.317	45.0	-53.291
10.0	-91.493	50.0	-50.685
12.0	-87.801	60.0	-46.343
15.0	-82.642	70.0	-42.824
18.0	-77.990	80.0	-39.872
20.0	-75.172	90.0	-37.331
25.0	-69.030	100.0	-35.113

BTAX RATE OF RETURN (PCT)	.00		
BTAX PAYOUT	LIFE		
BTAX PAYOUT (DISC)	LIFE		
BTAX NET INCOME/INVEST	.19		
BTAX NET INCOME/INVEST (DISC)	.03		
INITIAL W.I. FRACTION	.230000		
FINAL W.I. FRACTION	.230000		
PRODUCTION START DATE	11/01/90		
MONTHS IN FIRST LINE	12.00		
WATER GROSS PROD. (MU)	194.503	WATER NET REVENUES (M$)	.000

CASE NAME: ROSA UNIT #264 -TEST -1PDP-RLG-1643.01 -BASIN

```
101 ROSA UNIT #264
102 PROPNUM 81422-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	3500.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN FACT	GAS	WATER
305		1.000	1.000
310		.000	.000
320	92.		
359	3.	390.000	1840.000
360	3.	180.000	2080.000
361	3.	.000	560.000
362	3.	3729.000	4000.000
363	3.	16280.000	6960.000
364	3.	3229.000	3040.000
365	3.	737.000	4570.000
366	3.	2833.000	6640.000
367	3.	5811.000	5680.000
368	3.	5058.000	5760.000
369	3.	7264.000	6240.000
370	3.	8502.000	6320.000
371	3.	9079.000	5840.000
372	3.	10288.000	6640.000
373	3.	7940.000	5840.000
374	3.	11042.000	6880.000
375	3.	19468.000	6920.000
376	3.	21904.000	6480.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		5.000	169.855	X	2.748	IYRS	D		
CALC	GAS	EXP	END=	5.000	169.855	147.524	15.748	YRS	D	292.640	MMCF
411	GAS	EXP		19.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	19.000	147.524	.265	45.748	YRS	D	547.714	MMCF
420	WATER	EXP		16.716	70.938	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	16.716	70.938	.170	46.000	YRS	D	233.507	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.9763 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1998.0 AD : 1500 UNTIL 1999.0 AD THEN 2500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

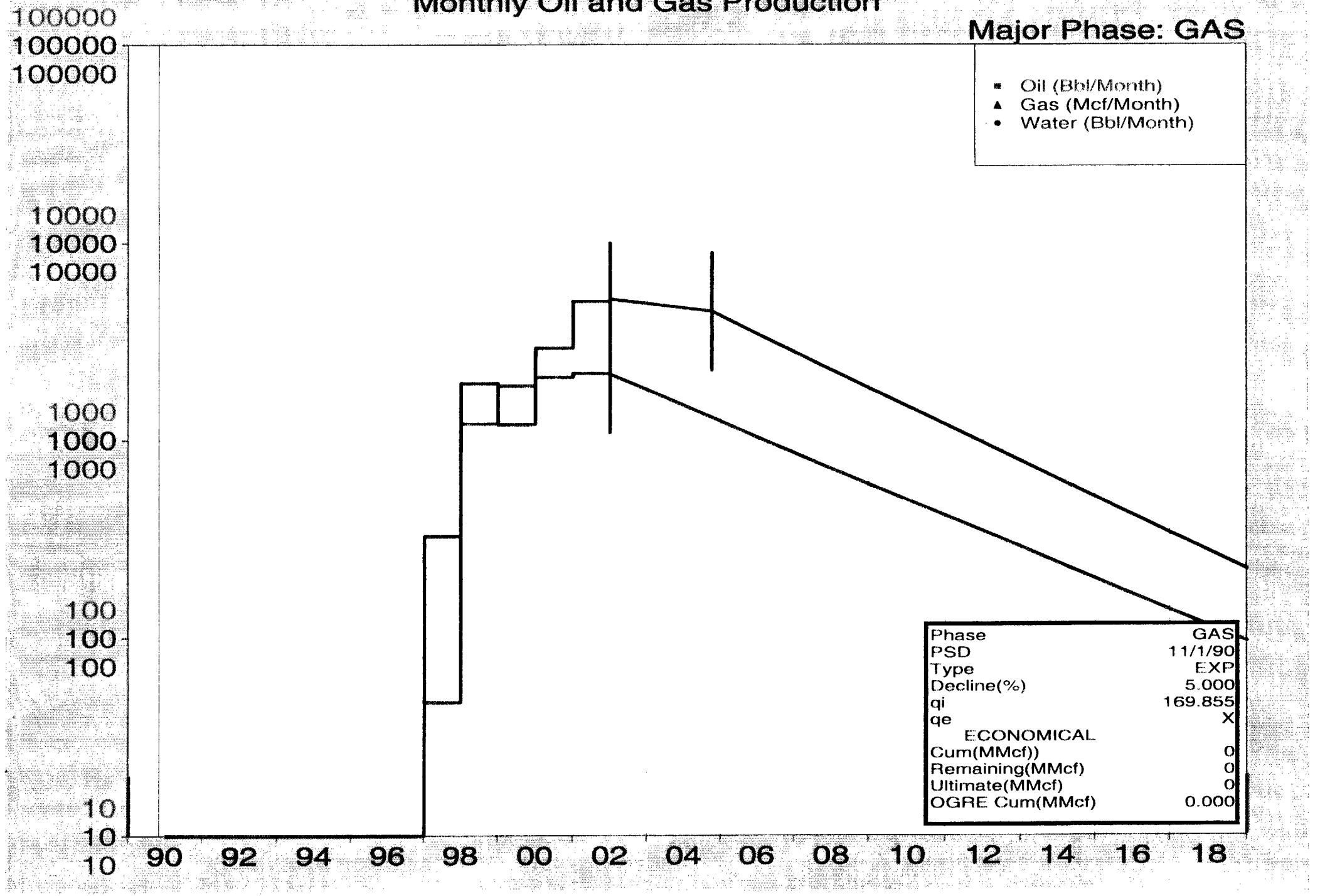
	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.900	AD	G	224.900	112.200	.000		
806	! RECAV								
806	INVEST	1999.500	AD	G	100.430	100.000	.000		
807	! CHANGE PUMP								
807	INVEST	2001.800	AD	G	30.080	12.400	.000		

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON
```

ECONOMIC LIFE (YRS): 19.000
GROSS GAS (MMCF): 443.863
GROSS WATER (MU): 194.503

ROSA UNIT #264
31N 5W 22A
Monthly Oil and Gas Production



ROSA UNIT #280
PROPNUM 84999-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/18/03
TIME: 11:39:39
FILE: FTC_COM
PROP: 64
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	12.000	353.120	-365.120	-357.718
12-92	.000	.000	.000	.000	.00	1.77	.000	.000	12.000	.000	-12.000	-368.206
12-93	.000	1.031	.000	.902	.00	1.52	1.375	.137	12.775	.000	-11.537	-377.542
12-94	.000	.469	.000	.410	.00	1.10	.453	.045	12.771	.000	-12.363	-386.806
12-95	.000	.000	.000	.000	.00	1.30	.000	.000	18.000	.000	-18.000	-399.294
12-96	.000	1.648	.000	1.442	.00	1.55	2.239	.222	19.000	.000	-16.983	-410.204
12-97	.000	2.500	.000	2.188	.00	2.17	4.749	.470	21.909	.000	-17.630	-420.691
12-98	.000	2.177	.000	1.905	.00	1.74	3.315	.328	19.205	.000	-16.218	-429.623
12-99	.000	1.677	.000	1.467	.00	1.93	2.827	.280	25.010	.000	-22.463	-441.078
12-00	.000	1.640	.000	1.435	.00	3.30	4.739	.470	25.797	.000	-21.528	-451.243
12-01	.000	5.062	.000	4.429	.00	3.27	14.502	1.437	29.042	.000	-15.977	-458.228
12-02	.000	3.637	.000	3.182	.00	3.27	10.419	1.033	26.523	.000	-17.137	-465.166
12-03	.000	3.571	.000	3.125	.00	3.27	10.232	1.014	26.414	.000	-17.196	-471.612
12-04	.000	3.516	.000	3.077	.00	3.27	10.075	.999	26.249	.000	-17.173	-477.572
12-05	.000	3.462	.000	3.029	.00	3.27	9.918	.983	26.104	.000	-17.169	-483.090
12-06	.000	3.261	.000	2.853	.00	3.27	9.341	.926	25.919	.000	-17.504	-488.299
12-07	.000	2.934	.000	2.567	.00	3.27	8.405	.832	25.705	.000	-18.132	-493.295
12-08	.000	2.641	.000	2.311	.00	3.27	7.567	.750	25.516	.000	-18.699	-498.065
12-09	.000	2.377	.000	2.080	.00	3.27	6.810	.675	25.348	.000	-19.213	-502.603
12-10	.000	2.139	.000	1.872	.00	3.27	6.129	.608	25.196	.000	-19.675	-506.906
12-11	.000	1.925	.000	1.684	.00	3.27	5.514	.546	25.065	.000	-20.097	-510.976
12-12	.000	1.733	.000	1.516	.00	3.27	4.964	.492	24.948	.000	-20.476	-514.816
12-13	.000	1.559	.000	1.364	.00	3.27	4.466	.443	24.842	.000	-20.819	-518.431
12-14	.000	1.404	.000	1.229	.00	3.27	4.024	.399	24.751	.000	-21.126	-521.827
12-15	.000	1.263	.000	1.105	.00	3.27	3.618	.359	24.667	.000	-21.408	-525.014
12-16	.000	1.137	.000	.995	.00	3.27	3.258	.323	24.597	.000	-21.662	-528.000
12-17	.000	1.023	.000	.895	.00	3.27	2.930	.291	24.530	.000	-21.891	-530.794
12-18	.000	.921	.000	.806	.00	3.27	2.639	.262	24.470	.000	-22.093	-533.405
12-19	.000	.828	.000	.725	.00	3.27	2.374	.236	24.421	.000	-22.283	-535.843
12-20	.000	.746	.000	.653	.00	3.27	2.138	.211	24.374	.000	-22.447	-538.117
12-21	.000	.672	.000	.588	.00	3.27	1.925	.191	24.334	.000	-22.600	-540.237
12-22	.000	.604	.000	.529	.00	3.27	1.732	.172	24.300	.000	-22.740	-542.212
12-23	.000	.544	.000	.476	.00	3.27	1.559	.154	24.266	.000	-22.861	-544.051
12-24	.000	.489	.000	.428	.00	3.27	1.401	.139	24.238	.000	-22.976	-545.762
12-25	.000	.440	.000	.385	.00	3.27	1.261	.124	24.210	.000	-23.073	-547.353
12-26	.000	.397	.000	.347	.00	3.27	1.136	.112	24.189	.000	-23.165	-548.832
12-27	.000	.356	.000	.312	.00	3.27	1.022	.101	24.170	.000	-23.249	-550.206
12-28	.000	.322	.000	.282	.00	3.27	.923	.091	24.150	.000	-23.318	-551.482
12-29	.000	.289	.000	.253	.00	3.27	.828	.083	24.135	.000	-23.390	-552.667
12-30	.000	.260	.000	.228	.00	3.27	.747	.074	24.120	.000	-23.447	-553.767
12-31	.000	.234	.000	.205	.00	3.27	.671	.066	24.108	.000	-23.503	-554.788
12-32	.000	.210	.000	.184	.00	3.27	.602	.059	24.096	.000	-23.553	-555.736
12-33	.000	.190	.000	.166	.00	3.27	.544	.054	24.087	.000	-23.597	-556.615
12-34	.000	.171	.000	.150	.00	3.27	.491	.048	24.075	.000	-23.632	-557.430
12-35	.000	.153	.000	.134	.00	3.27	.439	.044	24.069	.000	-23.674	-558.186
12-36	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-558.186
S TOT	.000	61.612	.000	53.913	.00	3.05	164.301	16.283	1049.695	353.120	-1254.797	-558.186
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-558.186
TOTAL	.000	61.612	.000	53.913	.00	3.05	164.301	16.283	1049.695	353.120	-1254.797	-558.186
CUM.	.000	.000		NET OIL REVENUES (M$)			.000		---------PRESENT WORTH PROFILE---------			
				NET GAS REVENUES (M$)			164.301		DISC	PW OF NET	DISC	PW OF NET
ULT.	.000	61.612		TOTAL REVENUES (M$)			164.301		RATE	BTAX, M$	RATE	BTAX, M$
									----	---------	----	---------
BTAX RATE OF RETURN (PCT)		.00	PROJECT LIFE (YEARS)				45.000		.0	-1254.797	30.0	-380.850
BTAX PAYOUT		12/31/2035	DISCOUNT RATE (PCT)				8.000		2.0	-921.495	35.0	-370.022
BTAX PAYOUT (DISC)		12/31/2035	GROSS OIL WELLS				.000		5.0	-674.612	40.0	-361.401
BTAX NET INCOME/INVEST		-2.55	GROSS GAS WELLS				1.000		8.0	-558.186	45.0	-354.252
BTAX NET INCOME/INVEST (DISC)		-.61	GROSS WELLS				2.000		10.0	-512.864	50.0	-348.144
									12.0	-481.278	60.0	-338.077
INITIAL W.I. FRACTION		1.000000	INITIAL NET OIL FRACTION				.000000		15.0	-448.894	70.0	-329.904
FINAL W.I. FRACTION		1.000000	FINAL NET OIL FRACTION				.000000		18.0	-426.912	80.0	-322.984
PRODUCTION START DATE		11/01/90	INITIAL NET GAS FRACTION				.875000		20.0	-415.763	90.0	-316.956
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.875000		25.0	-395.197	100.0	-311.593
WATER GROSS PROD. (MU)		7.710	WATER NET PRODUCTION (MU)				6.747		WATER NET REVENUES (M$)			.000

```
101 ROSA UNIT #280
102 PROPNUM 84999-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	2000.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	32.	.000	.000
320	3.	614.000	.000
339	3.	417.000	160.000
340	3.	45.000	.000
341	3.	335.000	160.000
342	3.	89.000	80.000
343	3.	.000	.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	630.000	.000
351	3.	1018.000	160.000
352	3.	1148.000	320.000
353	3.	543.000	640.000
354	3.	416.000	240.000
355	3.	393.000	.000
356	3.	447.000	.000
357	3.	525.000	165.000
358	3.	635.000	.000
359	3.	570.000	.000
360	3.	483.000	160.000
361	3.	367.000	.000
362	3.	268.000	.000
363	3.	559.000	.000
364	3.	295.000	.000
365	3.	389.000	160.000
366	3.	535.000	320.000
367	3.	421.000	.000
368	3.	412.000	160.000
369	3.	1170.000	480.000
370	3.	1837.000	320.000
371	3.	1643.000	320.000
372	3.	719.000	.000
373	3.	1129.000	80.000
374	3.	1041.000	160.000
375	3.	748.000	240.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		1.540	9.860	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	1.540	9.860	9.411	16.000	YRS	D	30.390	MMCF
411	GAS	EXP		10.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	10.000	9.411	.399	46.000	YRS	D	61.612	MMCF
420	WATER	EXP		13.050	1.310	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	13.050	1.310	.013	46.000	YRS	D	7.710	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.993 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 1000 UNTIL 1995.0 AD : 1500 UNTIL 1999.0 AD THEN 2000 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG

```
805      INVEST      1991.000    AD          G          153.000     200.120        .000
853 CASE $GATHNET88
*   658 COMPUTE GASC = GASC / WI
*   659 COMPUTE GASC = GASC * NIG
855 NOLOSS = OFF
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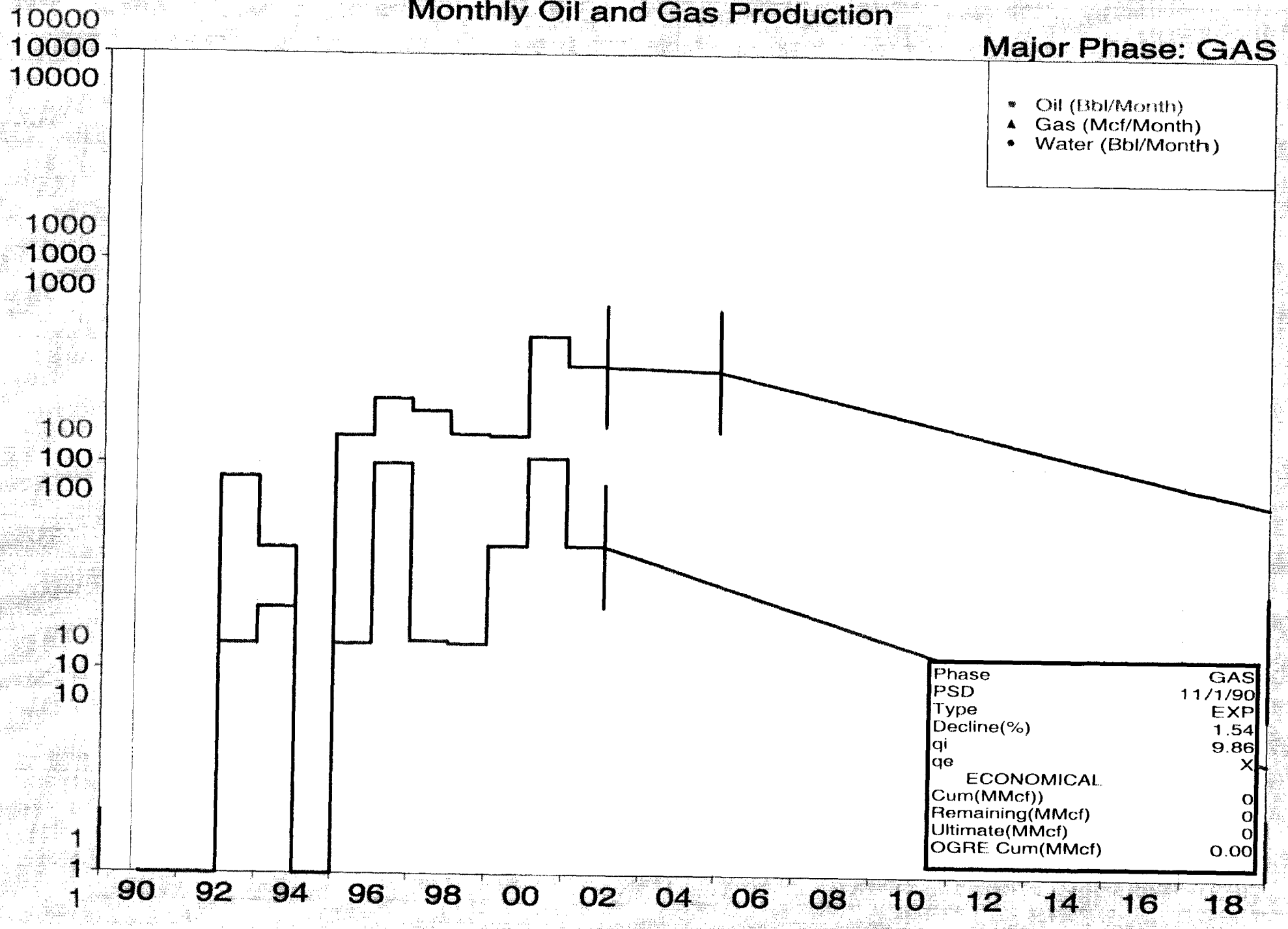
ROSA UNIT #280
31N 4W 1K
Monthly Oil and Gas Production



ROSA UNIT #283
PROPNUM 81791-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/18/03
TIME: 10:06:33
FILE: FTC_COM
PROP: 66
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	.000	318.500	-318.500	-308.053
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	.000	.000	.000	-308.053
12-93	.000	40.136	.000	35.119	.00	1.52	53.320	5.284	26.611	103.300	-81.875	-373.887
12-94	.000	68.355	.000	59.811	.00	1.10	65.739	6.515	36.760	85.200	-62.736	-420.351
12-95	.000	67.511	.000	59.072	.00	1.29	76.482	7.579	40.007	.000	28.896	-400.431
12-96	.000	49.419	.000	43.242	.00	1.55	66.861	6.625	29.901	.000	30.335	-381.068
12-97	.000	46.541	.000	40.723	.00	2.16	88.001	8.721	29.058	.000	50.222	-351.386
12-98	.000	15.606	.000	13.655	.00	1.73	23.657	2.344	17.858	335.000	-331.545	-532.822
12-99	.000	30.343	.000	26.550	.00	1.92	50.944	5.049	28.991	.000	16.904	-524.257
12-00	.000	20.173	.000	17.651	.00	3.29	58.037	5.751	25.307	.000	26.979	-511.599
12-01	.000	35.377	.000	30.955	.00	3.26	100.916	10.000	30.814	.000	60.102	-485.490
12-02	.000	34.285	.000	29.999	.00	3.26	97.799	9.692	30.419	.000	57.688	-462.286
12-03	.000	33.126	.000	28.985	.00	3.26	94.494	9.364	29.999	.000	55.131	-441.753
12-04	.000	29.813	.000	26.086	.00	3.26	85.043	8.428	28.799	.000	47.816	-425.263
12-05	.000	26.831	.000	23.477	.00	3.26	76.537	7.584	27.719	.000	41.234	-412.097
12-06	.000	24.149	.000	21.130	.00	3.26	68.886	6.827	26.747	.000	35.312	-401.657
12-07	.000	21.734	.000	19.017	.00	3.26	61.997	6.144	25.873	.000	29.980	-393.450
12-08	.000	19.560	.000	17.115	.00	3.26	55.796	5.530	25.085	.000	25.181	-387.067
12-09	.000	17.604	.000	15.404	.00	3.26	50.218	4.977	24.377	.000	20.864	-382.170
12-10	.000	15.844	.000	13.864	.00	3.26	45.198	4.479	23.739	.000	16.980	-378.480
12-11	.000	14.260	.000	12.478	.00	3.26	40.679	4.031	23.165	.000	13.483	-375.767
12-12	.000	12.833	.000	11.229	.00	3.26	36.608	3.628	22.648	.000	10.332	-373.842
12-13	.000	11.550	.000	10.106	.00	3.26	32.946	3.265	22.184	.000	7.497	-372.549
12-14	.000	10.396	.000	9.097	.00	3.26	29.657	2.939	21.766	.000	4.952	-371.758
12-15	.000	9.355	.000	8.186	.00	3.26	26.687	2.645	21.389	.000	2.653	-371.366
12-16	.000	8.420	.000	7.368	.00	3.26	24.020	2.381	21.050	.000	.589	-371.285
S TOT	.000	663.221	.000	580.319	.00	2.43	1410.522	139.782	640.266	842.000	-211.526	-371.285
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-371.285
TOTAL	.000	663.221	.000	580.319	.00	2.43	1410.522	139.782	640.266	842.000	-211.526	-371.285
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			1410.522					
ULT.	.000	663.221		TOTAL REVENUES (M$)			1410.522					

BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	26.000		
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	.75	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	.42	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	9/01/90	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	1.612	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000

---PRESENT WORTH PROFILE---

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-211.526	30.0	-349.819
2.0	-281.350	35.0	-337.409
5.0	-342.065	40.0	-326.118
8.0	-371.285	45.0	-315.982
10.0	-380.456	50.0	-306.910
12.0	-384.448	60.0	-291.436
15.0	-384.292	70.0	-278.728
18.0	-379.849	80.0	-268.050
20.0	-375.581	90.0	-258.889
25.0	-362.964	100.0	-250.890

```
101 ROSA UNIT #283
102 PROPNUM 81791-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATFAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
120 1 90 12 09 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	600.00	1.000	GAS	9/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

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300 SERIES LINES:
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```

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	31.	.000	.000
320	3.	14135.000	12.000
325	3.	14830.000	17.000
326	3.	11171.000	.000
327	3.	14640.000	.000
328	3.	20216.000	.000
329	3.	21766.000	.000
330	3.	11733.000	.000
331	3.	18844.000	604.000
332	3.	17791.000	611.000
333	3.	15953.000	206.000
334	3.	14923.000	.000
335	3.	13947.000	.000
336	3.	11696.000	.000
337	3.	13256.000	.000
338	3.	10520.000	.000
339	3.	12774.000	80.000
340	3.	11872.000	.000
341	3.	11410.000	.000
342	3.	10485.000	.000
343	3.	7172.000	.000
344	3.	.000	.000
345	3.	2165.000	.000
346	3.	6269.000	82.000
347	3.	9387.000	.000
348	3.	10651.000	.000
349	3.	10305.000	.000
350	3.	.000	.000
351	3.	.000	.000
352	3.	2466.000	.000
353	3.	7619.000	.000
354	3.	10088.000	.000
355	3.	8523.000	.000
356	3.	9204.000	.000
357	3.	8479.000	.000
358	3.	9171.000	.000
359	3.	8765.000	.000
360	3.	8687.000	.000
361	3.	8557.000	.000
362	3.	8276.000	.000
363	3.		

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		10.000	95.620	X	30.000	YRS	D		
CALC	GAS	EXP	END=	10.000	95.620	14.865	30.667	YRS	D	687.505	MMCF

```
600 SERIES LINES:
-----------------
602 DATA BTU : 0.9887 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 00 UNTIL 1993.0 AD : 1000 UNTIL 1999.0 AD THEN 1500 LIFE

629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
* 644 1.89 UNTIL 1993 AD
* 645 1.63 UNTIL 1994 AD
* 646 1.18 UNTIL 1995 AD
* 647 1.39 UNTIL 1996 AD
* 648 1.66 UNTIL 1997 AD
* 649 2.32 UNTIL 1998 AD
* 650 1.86 UNTIL 1999 AD
* 651 2.06 UNTIL 2000 AD
* 652 3.53 UNTIL 2001 AD
* 653 3.50 UNTIL 2002 AD
* 654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	214.300	104.200	.000		

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806 ! FRAC
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806      INVEST      1993.500    AD          G         30.100      73.200       .000
807  ! FRAC
807      INVEST      1994.550    AD          G         25.200      60.000       .000
808  !- RECAV
808      INVEST      1998.500    AD          G        120.000     215.000       .000

853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE  (YRS):          26.000
GROSS GAS     (MMCF):         663.221
GROSS WATER     (MU):           1.612
```
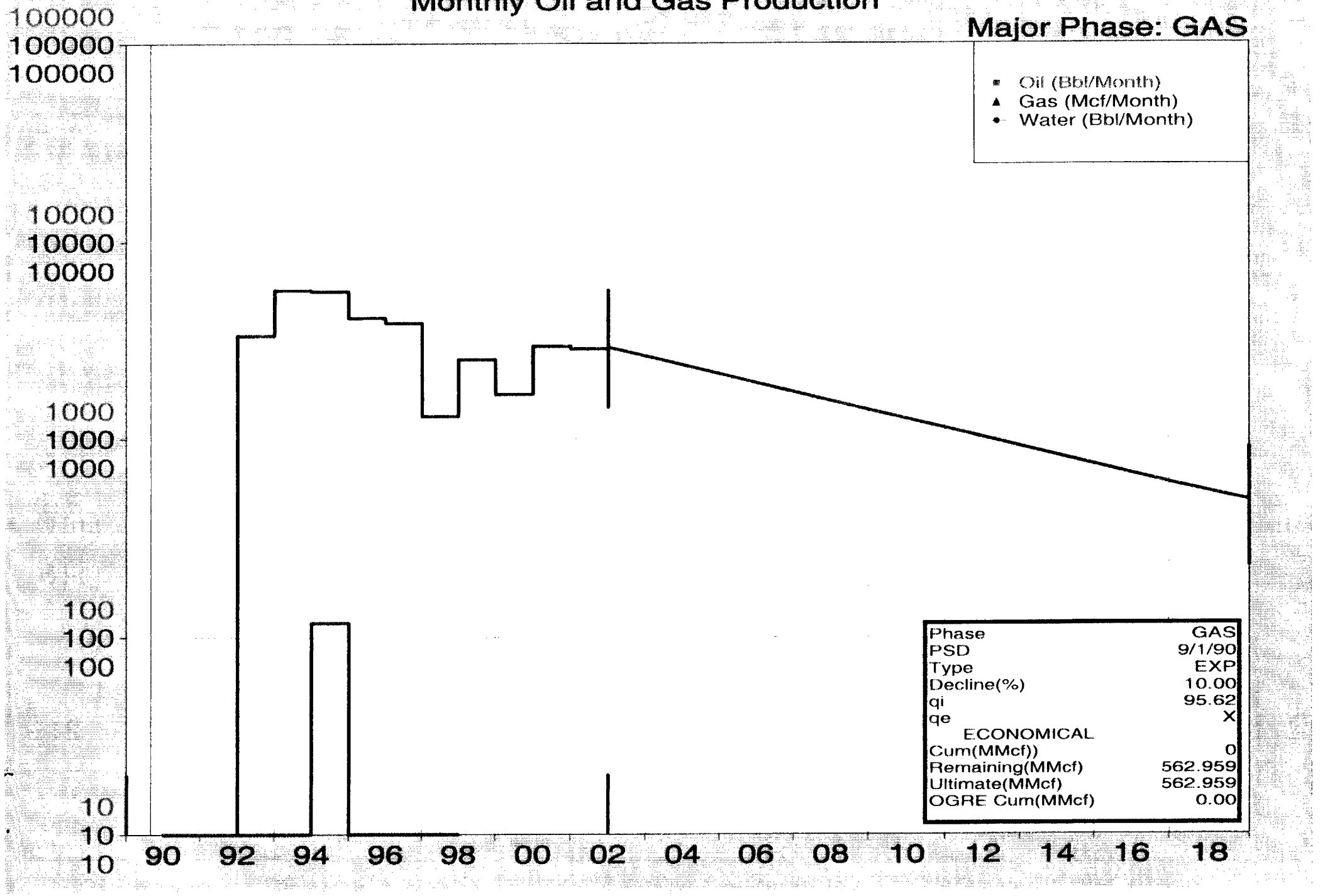

ROSA UNIT #283
31N 4W 2H

Monthly Oil and Gas Production



ROSA UNIT #284
:ROPNUM 81792-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 10:01:48
FILE: FTC_COM
PROP: 67
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES--- OIL	GAS	--------OPERATIONS, M$-------- NET OPER	SEV+ADV	NET OPER	CAPITAL	CASH FLOW	8.00 PCT CUM. DISC
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	$/B	$/M	REVENUES	TAXES	EXPENSES	COSTS, M$	BTAX, M$	BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	.000	360.000	-360.000	-350.432
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	.000	.000	.000	-350.432
12-93	.000	3.427	.000	2.999	.00	1.52	4.559	.451	13.936	.000	-9.828	-358.385
12-94	.000	9.713	.000	8.499	.00	1.10	9.354	.927	15.523	.000	-7.096	-363.702
12-95	.000	3.888	.000	3.402	.00	1.30	4.410	.437	17.785	.000	-13.812	-373.285
12-96	.000	.097	.000	.085	.00	1.55	.132	.013	12.035	.000	-11.916	-380.940
12-97	.000	3.007	.000	2.631	.00	2.16	5.693	.564	25.091	.000	-19.962	-392.814
12-98	.000	6.224	.000	5.446	.00	1.73	9.448	.936	29.657	.000	-21.145	-404.460
12-99	.000	23.782	.000	20.809	.00	1.92	39.981	3.962	33.426	171.970	-169.377	-489.497
12-00	.000	55.264	.000	48.356	.00	3.29	159.205	15.777	44.044	.000	99.384	-442.569
12-01	.000	40.496	.000	35.434	.00	3.26	115.670	11.463	38.688	.000	65.519	-413.923
12-02	.000	16.700	.000	14.613	.00	3.26	47.702	4.727	30.057	.000	12.918	-408.693
12-03	.000	15.941	.000	13.948	.00	3.26	45.532	4.512	29.782	.000	11.238	-404.481
12-04	.000	14.970	.000	13.099	.00	3.26	42.760	4.237	29.430	.000	9.093	-401.325
12-05	.000	14.058	.000	12.301	.00	3.26	40.155	3.979	29.099	.000	7.077	-399.051
12-06	.000	13.202	.000	11.552	.00	3.26	37.710	3.737	28.788	.000	5.185	-397.508
12-07	.000	12.399	.000	10.849	.00	3.26	35.415	3.509	28.497	.000	3.409	-396.569
12-08	.000	11.643	.000	10.188	.00	3.26	33.257	3.296	28.223	.000	1.738	-396.126
12-09	.000	10.934	.000	9.567	.00	3.26	31.230	3.095	27.966	.000	.169	-396.086
S TOT	.000	255.745	.000	223.778	.00	2.96	662.213	65.622	462.027	531.970	-397.406	-396.086
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-396.086
TOTAL	.000	255.745	.000	223.778	.00	2.96	662.213	65.622	462.027	531.970	-397.406	-396.086
CUM.	.000	.000										
ULT.	.000	255.745										

NET OIL REVENUES (M$)	.000		
NET GAS REVENUES (M$)	662.213		
TOTAL REVENUES (M$)	662.213		
BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	19.000
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000
BTAX NET INCOME/INVEST	.25	GROSS GAS WELLS	1.000
BTAX NET INCOME/INVEST (DISC)	.09	GROSS WELLS	1.000
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000
PRODUCTION START DATE	10/01/90	INITIAL NET GAS FRACTION	.875000
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000
WATER GROSS PROD. (MU)	13.307	WATER NET PRODUCTION (MU)	.000

---------PRESENT WORTH PROFILE---------			
DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-397.406	30.0	-351.660
2.0	-400.425	35.0	-343.524
5.0	-399.986	40.0	-336.293
8.0	-396.086	45.0	-329.835
10.0	-392.443	50.0	-324.027
12.0	-388.356	60.0	-313.960
15.0	-381.840	70.0	-305.447
18.0	-375.257	80.0	-298.063
20.0	-370.958	90.0	-291.521
25.0	-360.803	100.0	-285.637

WATER NET REVENUES (M$) .000

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101 ROSA UNIT #284
102 PROPNUM 81792-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3600.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	36.	.000	.000
325	3.	3427.000	277.000
326	3.	2586.000	.000
327	3.	3057.000	.000
328	3.	2710.000	.000
329	3.	1360.000	.000
330	3.	2286.000	710.000
331	3.	1562.000	718.000
332	3.	.000	322.000
333	3.	40.000	.000
334	3.	55.000	.000
335	3.	23.000	.000
336	3.	19.000	.000
337	3.	.000	.000
338	3.	.000	.000
339	3.	362.000	160.000
340	3.	.000	80.000
341	3.	2645.000	4560.000
342	3.	2476.000	4480.000
343	3.	1226.000	800.000
344	3.	1240.000	720.000
345	3.	1282.000	160.000
346	3.	1325.000	.000
347	3.	2712.000	320.000
348	3.	13140.000	.000
349	3.	6605.000	.000
350	3.	11999.000	.000
351	3.	20498.000	.000
352	3.	13564.000	.000
353	3.	9203.000	.000
354	3.	15009.000	.000
355	3.	13820.000	.000
356	3.	6102.000	.000
357	3.	5565.000	.000
358	3.	7905.000	.000
359	3.	4202.000	.000
360	3.	2769.000	.000
361	3.	1824.000	.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		6.090	45.060	X	30.000	YRS	D		
CALC	GAS	EXP	END=	6.090	45.060	14.772	30.750	YRS	D	338.544	MMCF

600 SERIES LINES:

```
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1993.0 AD : 1000 UNTIL 1999.0 AD THEN 2000 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	215.000	145.000	.000		
806	! RESTIM								
806	INVEST	1999.700	AD	G	110.000	61.970	.000		

```
853 CASE $GATHNET88
658 COMPUTE GASC = GASC / WI
659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE  (YRS):          19.000
GROSS GAS      (MMCF):        255.745
GROSS WATER      (MU):         13.307
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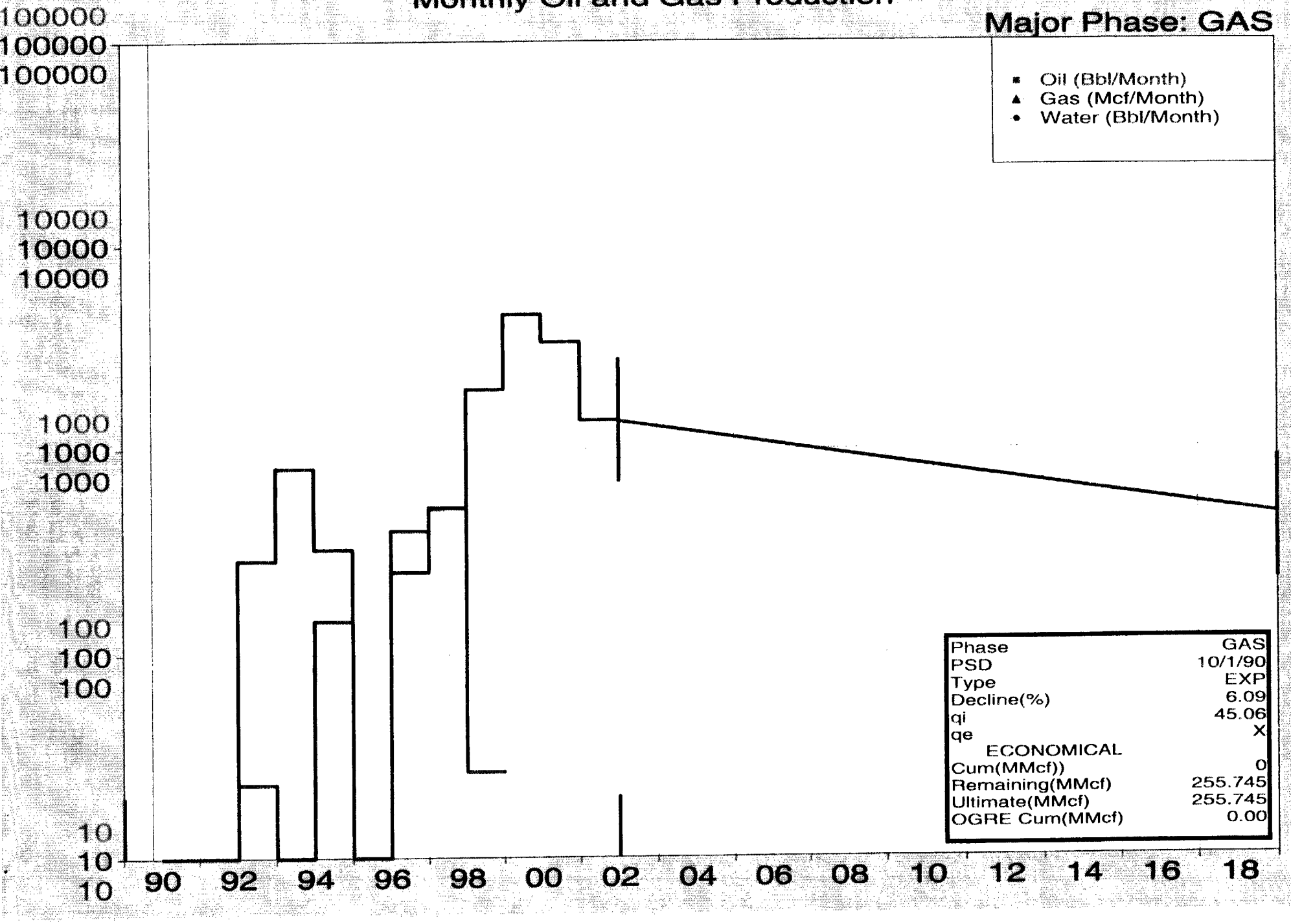
ROSA UNIT #284
31N 4W 3K
Monthly Oil and Gas Production



ROSA UNIT #287
PROPNUM 81794-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 10:02:53
FILE: FTC_COM
PROP: 69
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1992

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-93	.000	.000	.000	.000	.00	1.52	.000	.000	.000	340.000	-340.000	-330.964
12-94	.000	.000	.000	.000	.00	1.10	.000	.000	.000	.000	.000	-330.964
12-95	.000	2.299	.000	2.012	.00	1.30	2.608	.259	7.127	.000	-4.778	-334.831
12-96	.000	7.644	.000	6.689	.00	1.55	10.356	1.026	8.772	.000	.558	-334.413
12-97	.000	1.496	.000	1.309	.00	2.16	2.832	.281	8.943	.000	-6.392	-338.848
12-98	.000	15.981	.000	13.983	.00	1.73	24.257	2.404	23.996	96.400	-98.543	-401.443
12-99	.000	27.559	.000	24.114	.00	1.92	46.331	4.592	21.996	150.390	-130.647	-476.443
12-00	.000	19.180	.000	16.783	.00	3.29	55.256	5.476	18.957	.000	30.823	-459.467
12-01	.000	16.657	.000	14.575	.00	3.26	47.578	4.715	18.041	.000	24.822	-446.809
12-02	.000	16.845	.000	14.739	.00	3.26	48.114	4.768	18.110	.000	25.236	-434.893
12-03	.000	16.890	.000	14.779	.00	3.26	48.244	4.781	18.126	.000	25.337	-423.815
12-04	.000	16.045	.000	14.039	.00	3.26	45.829	4.542	17.820	.000	23.467	-414.315
12-05	.000	15.243	.000	13.338	.00	3.26	43.540	4.315	17.529	.000	21.696	-406.182
12-06	.000	14.481	.000	12.671	.00	3.26	41.363	4.099	17.252	.000	20.012	-399.236
12-07	.000	13.756	.000	12.037	.00	3.26	39.293	3.894	16.989	.000	18.410	-393.320
12-08	.000	13.069	.000	11.435	.00	3.26	37.328	3.700	16.740	.000	16.888	-388.295
12-09	.000	12.416	.000	10.864	.00	3.26	35.464	3.515	16.503	.000	15.446	-384.039
12-10	.000	11.794	.000	10.320	.00	3.26	33.688	3.339	16.278	.000	14.071	-380.449
12-11	.000	11.205	.000	9.804	.00	3.26	32.004	3.171	16.064	.000	12.769	-377.433
12-12	.000	10.645	.000	9.314	.00	3.26	30.404	3.013	15.861	.000	11.530	-374.911
12-13	.000	10.113	.000	8.849	.00	3.26	28.886	2.863	15.668	.000	10.355	-372.814
12-14	.000	9.606	.000	8.405	.00	3.26	27.437	2.719	15.484	.000	9.234	-371.082
12-15	.000	9.127	.000	7.986	.00	3.26	26.069	2.583	15.310	.000	8.176	-369.662
12-16	.000	8.670	.000	7.586	.00	3.26	24.764	2.454	15.145	.000	7.165	-368.510
12-17	.000	8.237	.000	7.207	.00	3.26	23.526	2.331	14.988	.000	6.207	-367.586
12-18	.000	7.825	.000	6.847	.00	3.26	22.351	2.215	14.838	.000	5.298	-366.856
12-19	.000	7.433	.000	6.504	.00	3.26	21.232	2.104	14.696	.000	4.432	-366.290
12-20	.000	7.062	.000	6.179	.00	3.26	20.171	1.999	14.561	.000	3.611	-365.863
12-21	.000	6.709	.000	5.870	.00	3.26	19.162	1.899	14.433	.000	2.830	-365.553
12-22	.000	4.811	.000	4.210	.00	3.26	13.743	1.362	10.745	.000	1.636	-365.386
S TOT	.000	322.798	.000	282.448	.00	3.02	851.830	84.419	440.972	586.790	-260.351	-365.386
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-365.386
TOTAL	.000	322.798	.000	282.448	.00	3.02	851.830	84.419	440.972	586.790	-260.351	-365.386
CUM.	.000	.000										
ULT.	.000	322.798										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	851.830				
TOTAL REVENUES (M$)	851.830				
BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	29.750		
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	.56	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	.24	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/92	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	5.957	WATER NET PRODUCTION (MU)	.000		

--------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-260.351	30.0	-341.124
2.0	-308.684	35.0	-332.002
5.0	-348.198	40.0	-323.815
8.0	-365.386	45.0	-316.529
10.0	-369.925	50.0	-310.049
12.0	-371.139	60.0	-299.037
15.0	-369.177	70.0	-289.997
18.0	-364.719	80.0	-282.368
20.0	-361.051	90.0	-275.769
25.0	-351.033	100.0	-269.939

WATER NET REVENUES (M$) .000

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101 ROSA UNIT #287
102 PROPNUM 81794-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 92 12 10 01 1992 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3600.00	1.000	GAS	10/01/1992

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

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300 SERIES LINES:
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```

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	36.	.000	.000
320	3.	2299.000	117.000
325	3.	4265.000	.000
326	3.	1991.000	.000
327	3.	1045.000	.000
328	3.	343.000	.000
329	3.	956.000	.000
330	3.	540.000	.000
331	3.	.000	160.000
332	3.	.000	800.000
333	3.	.000	.000
334	3.	.000	2240.000
335	3.	8152.000	2160.000
336	3.	7829.000	480.000
337	3.	6011.000	.000
338	3.	4442.000	.000
339	3.	11016.000	.000
340	3.	6090.000	.000
341	3.	5603.000	.000
342	3.	5510.000	.000
343	3.	4531.000	.000
344	3.	3536.000	.000
345	3.	4586.000	.000
346	3.	3803.000	.000
347	3.	4628.000	.000
348	3.	3640.000	.000
349	3.	4590.000	.000
350	3.	4376.000	.000
351	3.	4066.000	.000
352	3.	3813.000	.000
353	3.		

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	5.000	47.470	X	30.000	YRS	D		
CALC	GAS	EXP END=	5.000	47.470	17.237	30.750	YRS	D	322.798	MMCF

```
600 SERIES LINES:
-----------------
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1995.0 AD : 500 UNTIL 1999.0 AD THEN 1000 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1993.100	AD	G	170.000	170.000	.000		
806	! STIM								
806	INVEST	1998.650	AD	G	20.000	76.400	.000		
807	! RESTIM								
807	INVEST	1999.900	AD	G	75.000	75.390	.000		

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853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG
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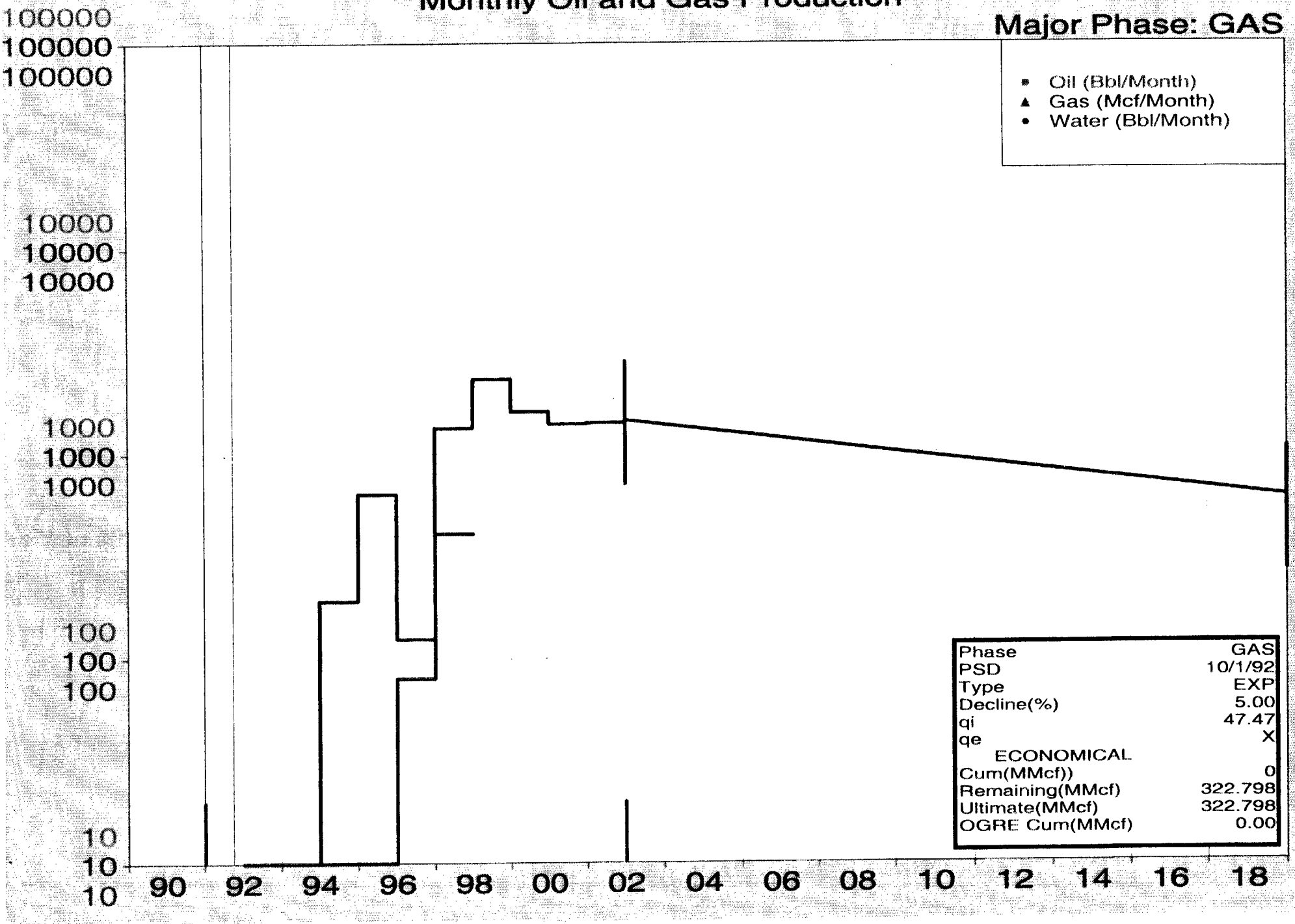
ROSA UNIT #287
31N 4W 4B
Monthly Oil and Gas Production



ROSA UNIT #288
PROPNUM 81795-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/18/03
TIME: 10:07:59
FILE: FTC_COM
PROP: 70
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF AUGUST 1, 1993

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-94	.000	.000	.000	.000	.00	1.10	.000	.000	.000	295.000	-295.000	-283.500
12-95	.000	6.108	.000	5.345	.00	1.30	6.929	.687	15.298	.000	-9.056	-291.314
12-96	.000	13.852	.000	12.121	.00	1.55	18.766	1.860	11.024	.000	5.882	-286.615
12-97	.000	2.924	.000	2.559	.00	2.16	5.537	.548	8.661	.000	-3.672	-289.331
12-98	.000	.000	.000	.000	.00	1.73	.000	.000	6.000	.000	-6.000	-293.441
12-99	.000	11.421	.000	9.993	.00	1.92	19.200	1.903	16.142	147.950	-146.795	-383.697
12-00	.000	7.442	.000	6.512	.00	3.29	21.440	2.125	14.699	.000	4.616	-380.986
12-01	.000	12.664	.000	11.081	.00	3.26	36.173	3.585	16.593	.000	15.995	-372.289
12-02	.000	8.668	.000	7.585	.00	3.26	24.760	2.453	15.144	.000	7.163	-368.683
12-03	.000	8.158	.000	7.138	.00	3.26	23.301	2.309	14.959	.000	6.033	-365.871
12-04	.000	7.118	.000	6.228	.00	3.26	20.331	2.015	14.582	.000	3.734	-364.259
12-05	.000	6.211	.000	5.435	.00	3.26	17.742	1.758	14.253	.000	1.731	-363.567
S TOT	.000	84.566	.000	73.997	.00	2.62	194.179	19.243	147.355	442.950	-415.369	-363.567
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-363.567
TOTAL	.000	84.566	.000	73.997	.00	2.62	194.179	19.243	147.355	442.950	-415.369	-363.567
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			194.179					
ULT.	.000	84.566		TOTAL REVENUES (M$)			194.179					

BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	12.000		
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	.06	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	.03	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	8/01/93	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	3.473	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-415.369	30.0	-287.091
2.0	-400.497	35.0	-276.752
5.0	-380.722	40.0	-267.845
8.0	-363.567	45.0	-260.077
10.0	-353.381	50.0	-253.205
12.0	-344.070	60.0	-241.530
15.0	-331.541	70.0	-231.854
18.0	-320.494	80.0	-223.592
20.0	-313.840	90.0	-216.382
25.0	-299.272	100.0	-209.973

101 ROSA UNIT #288
102 PROPNUM 81795-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATFAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
120 1 93 12 08 01 1993 8 2

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3600.00	1.000	GAS	8/01/1993

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	26.	.000	.000
325	3.	6108.000	2833.000
326	3.	4640.000	.000
327	3.	3015.000	.000
328	3.	3726.000	.000
329	3.	2471.000	.000
330	3.	1664.000	.000
331	3.	1260.000	.000
332	3.	.000	160.000
333	3.	.000	480.000
334	3.	.000	.000
335	3.	.000	.000
336	3.	.000	.000
337	3.	.000	.000
338	3.	.000	.000
339	3.	417.000	.000
340	3.	6446.000	.000
341	3.	4558.000	.000
342	3.	1930.000	.000
343	3.	1339.000	.000
344	3.	1923.000	.000
345	3.	2250.000	.000
346	3.	3541.000	.000
347	3.	3573.000	.000
348	3.	2934.000	.000
349	3.	2616.000	.000
350	3.	2512.000	.000
351	3.	2072.000	.000
352	3.	2197.000	.000
353	3.	1887.000	.000

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		12.750	23.910	X	30.000	YRS	D	
CALC	GAS	EXP	END= 12.750	23.910	1.443	30.583	YRS	D	123.202	MMCF

600 SERIES LINES:
---
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1995.0 AD : 500 UNTIL 1999.0 AD THEN 1000 LIFE

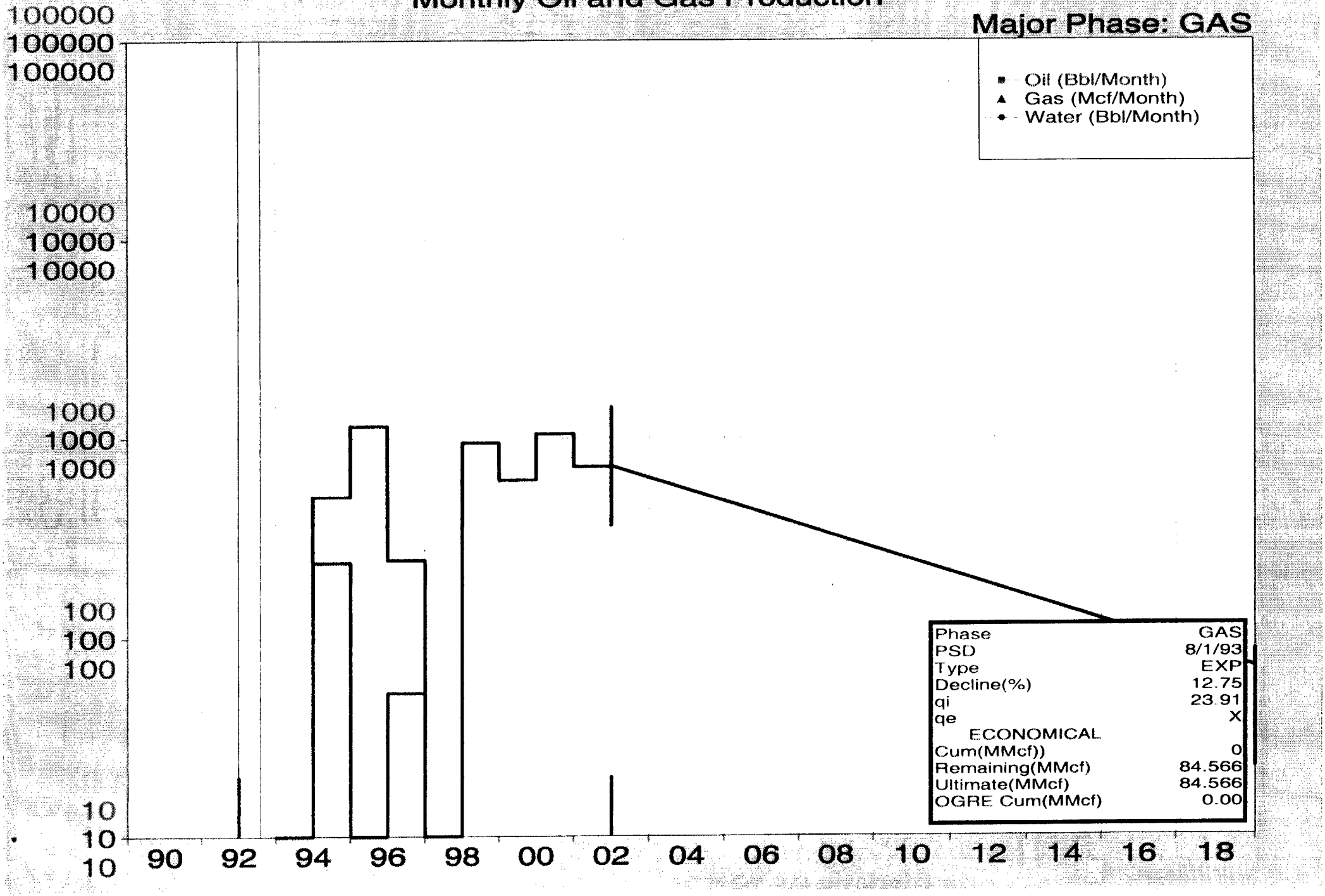
629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
* 644 1.89 UNTIL 1993 AD
* 645 1.63 UNTIL 1994 AD
* 646 1.18 UNTIL 1995 AD
* 647 1.39 UNTIL 1996 AD
* 648 1.66 UNTIL 1997 AD
* 649 2.32 UNTIL 1998 AD
* 650 1.86 UNTIL 1999 AD
* 651 2.06 UNTIL 2000 AD
* 652 3.53 UNTIL 2001 AD
* 653 3.50 UNTIL 2002 AD
* 654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1994.100 AD	G	150.000	145.000	.000		
806	! RESTIM							
806	INVEST	1999.900 AD	G	40.950	107.000	.000		

853 CASE $GATHNET88
* 658 COMPUTE GASC = GASC / WI
* 659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE (YRS): 12.000
GROSS GAS (MMCF): 84.566
GROSS WATER (MU): 3.473

ROSA UNIT #288
31N 4W 4L
Monthly Oil and Gas Production



ROSA UNIT #293
PROPNUM 81796-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 10:06:10
FILE: FTC_COM
PROP: 71
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.53	.000	.000	.000	325.000	-325.000	-314.340
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	.000	.000	.000	-314.340
12-93	.000	1.632	.000	1.428	.00	1.52	2.164	.215	.590	.000	1.359	-313.247
12-94	.000	2.708	.000	2.370	.00	1.10	2.600	.258	6.979	.000	-4.637	-316.699
12-95	.000	1.282	.000	1.122	.00	1.29	1.450	.144	29.607	.000	-28.301	-336.209
12-96	.000	.000	.000	.000	.00	1.54	.000	.000	6.000	.000	-6.000	-340.039
12-97	.000	11.220	.000	9.818	.00	2.16	21.180	2.099	10.057	.000	9.024	-334.706
12-98	.000	1.151	.000	1.007	.00	1.73	1.742	.173	6.416	.000	-4.847	-337.358
12-99	.000	4.310	.000	3.771	.00	1.92	7.223	.716	19.558	260.000	-273.051	-472.708
12-00	.000	6.225	.000	5.447	.00	3.28	17.879	1.772	20.251	.000	-4.144	-474.652
12-01	.000	1.979	.000	1.732	.00	3.25	5.637	.558	18.716	.000	-13.637	-480.576
12-02	.000	1.332	.000	1.166	.00	3.25	3.795	.377	18.482	.000	-15.064	-486.635
12-03	.000	1.230	.000	1.076	.00	3.25	3.502	.347	18.445	.000	-15.290	-492.330
12-04	.000	1.099	.000	.962	.00	3.25	3.131	.310	18.397	.000	-15.576	-497.701
12-05	.000	.984	.000	.861	.00	3.25	2.802	.278	18.356	.000	-15.832	-502.756
12-06	.000	.879	.000	.769	.00	3.25	2.503	.248	18.318	.000	-16.063	-507.505
12-07	.000	.787	.000	.689	.00	3.25	2.242	.222	18.285	.000	-16.265	-511.958
12-08	.000	.704	.000	.616	.00	3.25	2.005	.198	18.255	.000	-16.448	-516.127
12-09	.000	.629	.000	.550	.00	3.25	1.790	.177	18.227	.000	-16.614	-520.026
12-10	.000	.563	.000	.493	.00	3.25	1.604	.159	18.204	.000	-16.759	-523.668
12-11	.000	.504	.000	.441	.00	3.25	1.435	.142	18.182	.000	-16.889	-527.066
12-12	.000	.450	.000	.394	.00	3.25	1.282	.127	18.163	.000	-17.008	-530.235
12-13	.000	.403	.000	.353	.00	3.25	1.149	.113	18.146	.000	-17.110	-533.187
12-14	.000	.360	.000	.315	.00	3.25	1.025	.101	18.130	.000	-17.206	-535.935
12-15	.000	.322	.000	.282	.00	3.25	.918	.091	18.116	.000	-17.289	-538.492
12-16	.000	.288	.000	.252	.00	3.25	.820	.081	18.104	.000	-17.365	-540.870
12-17	.000	.258	.000	.226	.00	3.25	.736	.073	18.093	.000	-17.430	-543.080
12-18	.000	.231	.000	.202	.00	3.25	.657	.065	18.084	.000	-17.492	-545.134
12-19	.000	.206	.000	.180	.00	3.25	.586	.058	18.074	.000	-17.546	-547.041
12-20	.000	.125	.000	.109	.00	3.25	.355	.035	12.045	.000	-11.725	-548.236
S TOT	.000	41.861	.000	36.631	.00	2.52	92.212	9.137	458.280	585.000	-960.205	-548.236
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-548.236
TOTAL	.000	41.861	.000	36.631	.00	2.52	92.212	9.137	458.280	585.000	-960.205	-548.236
CUM.	.000	.000										
ULT.	.000	41.861										

NET OIL REVENUES (M$)	.000		
NET GAS REVENUES (M$)	92.212		
TOTAL REVENUES (M$)	92.212		
PROJECT LIFE (YEARS)	29.667		
DISCOUNT RATE (PCT)	8.000		
GROSS OIL WELLS	.000		
GROSS GAS WELLS	1.000		
GROSS WELLS	1.000		
INITIAL NET OIL FRACTION	.000000		
FINAL NET OIL FRACTION	.000000		
INITIAL NET GAS FRACTION	.875000		
FINAL NET GAS FRACTION	.875000		
WATER NET PRODUCTION (MU)	.000		

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-960.205	30.0	-328.613
2.0	-801.626	35.0	-313.401
5.0	-646.171	40.0	-301.736
8.0	-548.236	45.0	-292.437
10.0	-502.068	50.0	-284.768
12.0	-466.036	60.0	-272.624
15.0	-425.189	70.0	-263.127
18.0	-395.123	80.0	-255.238
20.0	-379.247	90.0	-248.419
25.0	-349.370	100.0	-242.364

BTAX RATE OF RETURN (PCT)	.00		
BTAX PAYOUT	LIFE		
BTAX PAYOUT (DISC)	LIFE		
BTAX NET INCOME/INVEST	-.64		
BTAX NET INCOME/INVEST (DISC)	-.24		
INITIAL W.I. FRACTION	1.000000		
FINAL W.I. FRACTION	1.000000		
PRODUCTION START DATE	9/01/90		
MONTHS IN FIRST LINE	12.00		
WATER GROSS PROD. (MU)	9.257	WATER NET REVENUES (M$)	.000

CASE NAME: ROSA UNIT #293 -TEST -1PDP-RLG-1565.01 -BASIN

```
101 ROSA UNIT #293
102 PROPNUM 81796-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 09 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3600.00	1.000	GAS	9/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	37.	.000	.000
325	3.	1632.000	.000
326	3.	865.000	.000
327	3.	458.000	.000
328	3.	869.000	.000
329	3.	516.000	.000
330	3.	773.000	3868.000
331	3.	509.000	3911.000
332	3.	.000	1318.000
333	3.	.000	160.000
334	3.	.000	.000
335	3.	.000	.000
336	3.	.000	.000
337	3.	.000	.000
338	3.	.000	.000
339	3.	1200.000	.000
340	3.	5257.000	.000
341	3.	4763.000	.000
342	3.	.000	.000
343	3.	391.000	.000
344	3.	543.000	.000
345	3.	217.000	.000
346	3.	159.000	.000
347	3.	216.000	.000
348	3.	1782.000	.000
349	3.	2153.000	.000
350	3.	1671.000	.000
351	3.	2070.000	.000
352	3.	1969.000	.000
353	3.	515.000	.000
354	3.	371.000	.000
355	3.	457.000	.000
356	3.	594.000	.000
357	3.	557.000	.000
358	3.	331.000	.000
359	3.	338.000	.000
360	3.	395.000	.000
361	3.	268.000	.000

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT	(M OR Y)	CALC VALUE
410	GAS	EXP	10.560	3.560	X	30.000 YRS	D	
CALC	GAS	EXP END=	10.560	3.560	.496	30.667 YRS	D	41.861 MMCF

600 SERIES LINES:

```
602 DATA BTU : 0.987 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1994.0 AD : 500 UNTIL 1999.0 AD THEN 1500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100 AD	G	180.000	145.000	.000		
806	! RESTIM							
806	INVEST	1999.800 AD	G	130.000	130.000	.000		

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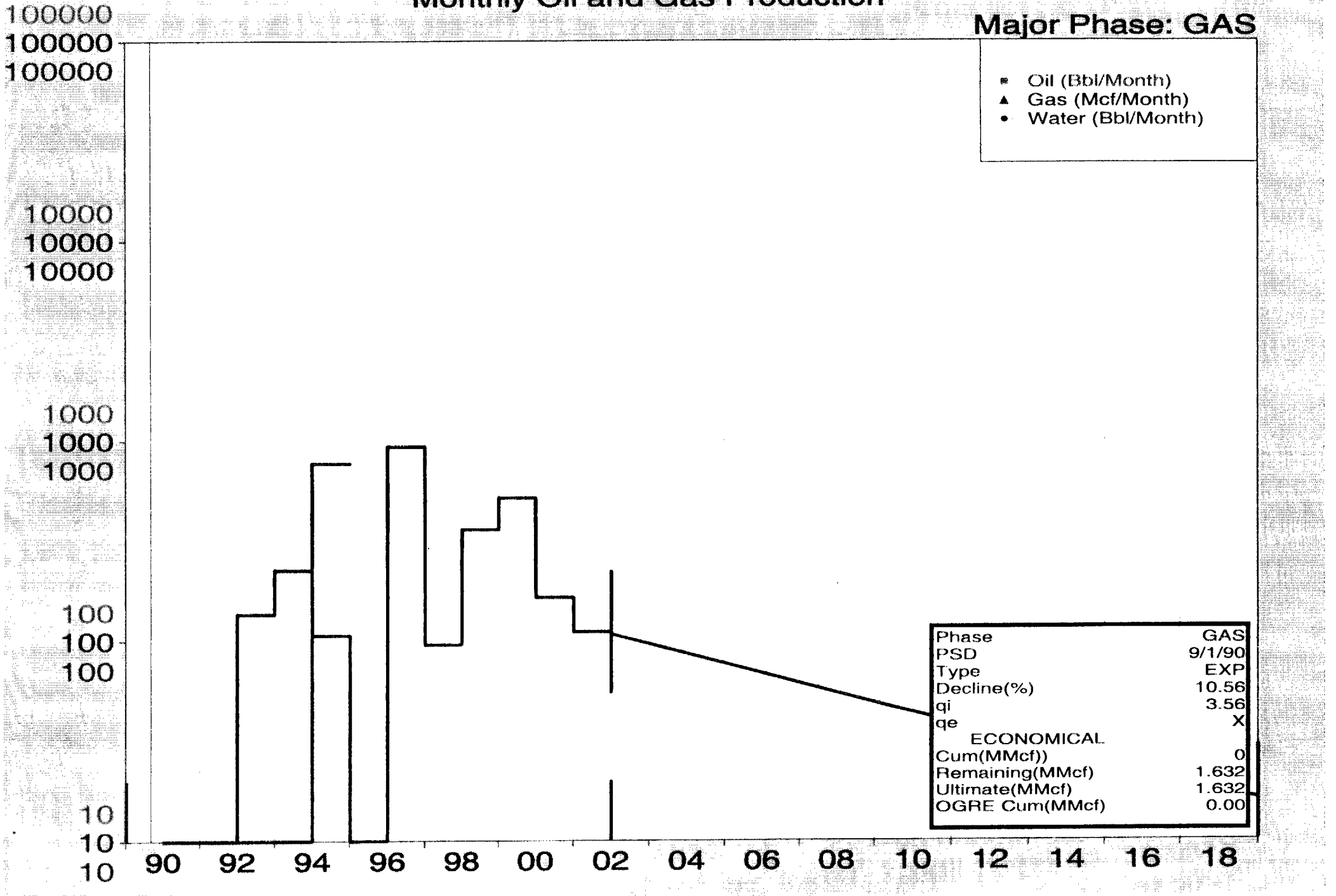
  853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

  855 NOLOSS = OFF
```

ROSA UNIT #293
31N 4W 10G
Monthly Oil and Gas Production



ROSA UNIT #294
PROPNUM 81797-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 09:39:08
FILE: FTC_COM
PROP: 72
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1992

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-93	.000	34.224	.000	29.946	.00	1.52	45.618	4.521	19.178	345.000	-323.081	-315.141
12-94	.000	38.717	.000	33.877	.00	1.10	37.359	3.702	20.071	.000	13.586	-303.267
12-95	.000	30.819	.000	26.967	.00	1.30	35.031	3.472	23.201	.000	8.358	-296.503
12-96	.000	18.278	.000	15.993	.00	1.55	24.811	2.459	18.643	.000	3.709	-293.724
12-97	.000	18.025	.000	15.772	.00	2.17	34.197	3.389	18.951	.000	11.857	-285.498
12-98	.000	21.603	.000	18.903	.00	1.74	32.859	3.256	19.851	.000	9.752	-279.233
12-99	.000	23.354	.000	20.435	.00	1.93	39.341	3.899	26.488	.000	8.954	-273.907
12-00	.000	24.007	.000	21.006	.00	3.30	69.299	6.868	26.725	.000	35.706	-254.241
12-01	.000	23.433	.000	20.504	.00	3.27	67.068	6.646	26.516	.000	33.906	-236.950
12-02	.000	21.355	.000	18.686	.00	3.27	61.121	6.057	25.761	.000	29.303	-223.113
12-03	.000	20.072	.000	17.563	.00	3.27	57.448	5.693	25.295	.000	26.460	-211.544
12-04	.000	18.255	.000	15.973	.00	3.27	52.247	5.177	24.634	.000	22.436	-202.461
12-05	.000	16.603	.000	14.528	.00	3.27	47.521	4.709	24.034	.000	18.778	-195.422
12-06	.000	15.100	.000	13.213	.00	3.27	43.219	4.283	23.488	.000	15.448	-190.060
12-07	.000	13.734	.000	12.017	.00	3.27	39.307	3.896	22.991	.000	12.420	-186.069
12-08	.000	12.491	.000	10.930	.00	3.27	35.752	3.543	22.540	.000	9.669	-183.192
12-09	.000	11.360	.000	9.940	.00	3.27	32.513	3.222	22.129	.000	7.162	-181.219
12-10	.000	10.333	.000	9.041	.00	3.27	29.573	2.931	21.755	.000	4.887	-179.972
12-11	.000	9.397	.000	8.222	.00	3.27	26.894	2.665	21.415	.000	2.814	-179.307
12-12	.000	8.547	.000	7.479	.00	3.27	24.464	2.425	21.106	.000	.933	-179.103
S TOT	.000	389.707	.000	340.995	.00	2.45	835.642	82.813	454.772	345.000	-46.943	-179.103
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-179.103
TOTAL	.000	389.707	.000	340.995	.00	2.45	835.642	82.813	454.772	345.000	-46.943	-179.103
CUM.	.000	.000										
ULT.	.000	389.707										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	835.642				
TOTAL REVENUES (M$)	835.642				

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-46.943	30.0	-260.985
2.0	-92.893	35.0	-264.232
5.0	-143.626	40.0	-265.761
8.0	-179.103	45.0	-266.175
10.0	-196.793	50.0	-265.858
12.0	-210.925	60.0	-263.918
15.0	-227.074	70.0	-261.072
18.0	-238.759	80.0	-257.835
20.0	-244.708	90.0	-254.462
25.0	-255.034	100.0	-251.082

BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	20.000		
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	.86	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	.47	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/92	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	.456	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000

```
101 ROSA UNIT #294
102 PROPNUM 81797-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 92 12 10 01 1992 8 2
```

	W.I. FRACTION (--------)	OP. COST ($/W/MO) (--------)	OP. COST ($/MO.) (--------)	ADV. TAX (PCT) (--------)	MAJOR PH. NAME (--------)	PROD DATE (MO/DY/YR) (----------)
210	1.00000000	.00	3600.00	1.000	GAS	10/01/1992

	PHASE NAME (--------)	CUM PROD (MUNITS) (--------)	REV. INT FRACTION (--------)	PRICE ($/UNIT) (--------)	SEV. TAX (PCT) (--------)	NO. OF WELLS (--------)	RATIO TO MAJOR PH (--------)
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	6.	.000	.000
320	3.	8280.000	77.000
325	3.	11117.000	127.000
326	3.	14827.000	92.000
327	3.	11145.000	.000
328	3.	12853.000	.000
329	3.	9434.000	.000
330	3.	5285.000	.000
331	3.	8726.000	.000
332	3.	7630.000	.000
333	3.	6997.000	.000
334	3.	7466.000	.000
335	3.	6598.000	.000
336	3.	6225.000	.000
337	3.	2173.000	.000
338	3.	3282.000	.000
339	3.	3268.000	80.000
340	3.	8148.000	80.000
341	3.	1332.000	.000
342	3.	5277.000	.000
343	3.	5865.000	.000
344	3.	5182.000	.000
345	3.	4211.000	.000
346	3.	6345.000	.000
347	3.	5833.000	.000
348	3.	6394.000	.000
349	3.	5819.000	.000
350	3.	5308.000	.000
351	3.	5596.000	.000
352	3.	6647.000	.000
353	3.	6351.000	.000
354	3.	5413.000	.000
355	3.	5071.000	.000
356	3.	6734.000	.000
357	3.	6050.000	.000
358	3.	5578.000	.000
359	3.	5896.000	.000
360	3.	5217.000	.000
361	3.	5143.000	.000
362	3.	5099.000	.000
363			

	PH. NAME (--------)	CURVE TP (--------)	DECLINE% (--------)	QI RATE (--------)	QT RATE (--------)	CUM. LIMIT (----------)		(M OR Y) (--------)	CALC VALUE (----------)	
410	GAS	EXP	9.050	57.640	X	30.000	YRS	D		
CALC	GAS	EXP END=	9.050	57.640	8.853	30.750	YRS	D	441.537	MMCF

600 SERIES LINES:

```
602 DATA BTU : 0.992 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 500 UNTIL 1995.0 AD : 1000 UNTIL 1999.0 AD THEN 1500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

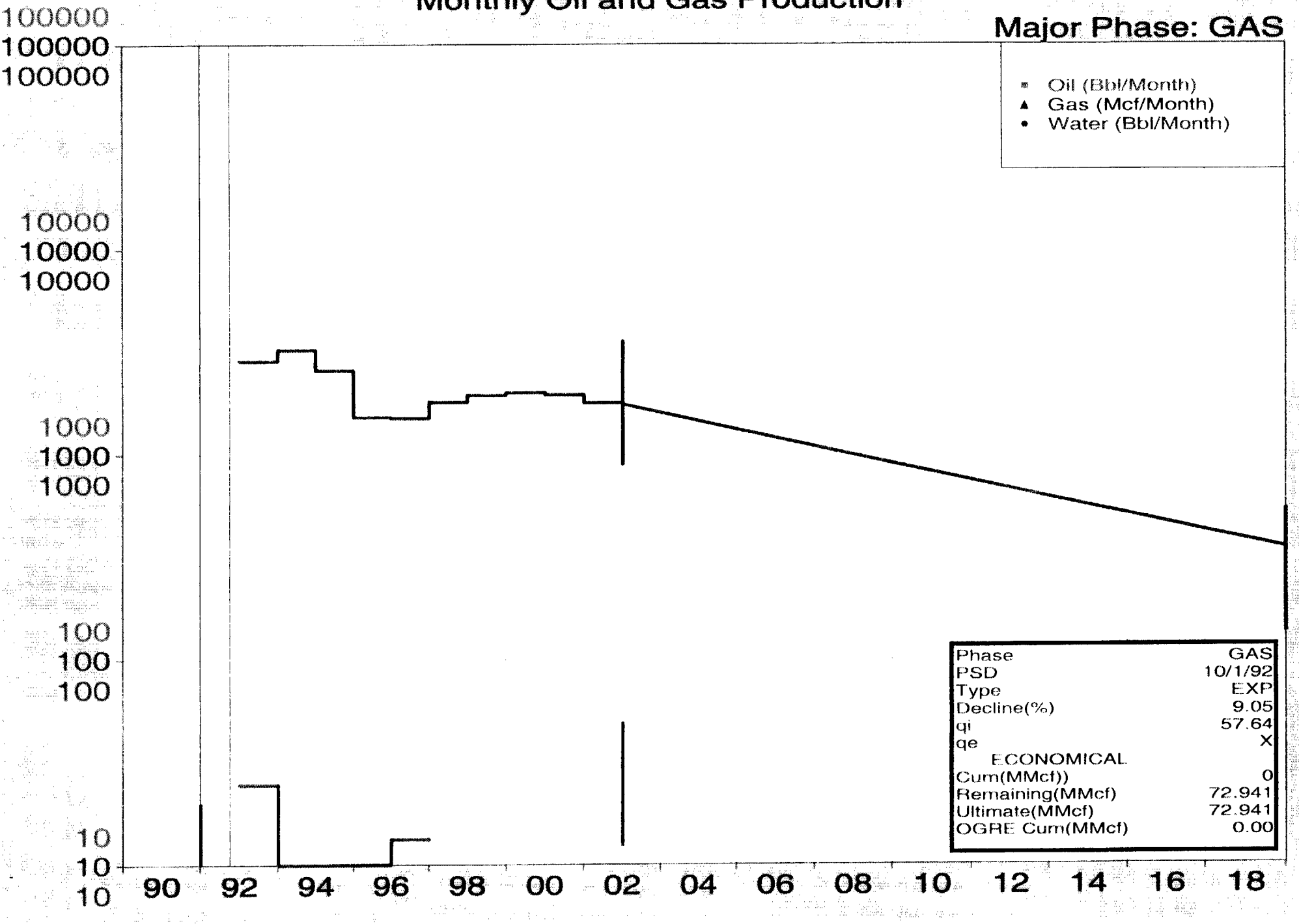
	INV NAME (--------)	INV. POINT (----------)		(G OR N) (--------)	TANG-M$ (-------)	INTANG-M$ (---------)	LSEHLD-M$ (---------)	RISK FRAC (---------)	OVHD FLAG (---------)
805	INVEST	1993.100	AD	G	185.000	160.000	.000		

```
  853 CASE $GATHNET88
* 658 COMPUTE GASC = GASC / WI
* 659 COMPUTE GASC = GASC * NIG

  ECONOMIC LIFE  (YRS):          20.000
  GROSS GAS      (MMCF):        389.707
  GROSS WATER      (MU):           .456
```

ROSA UNIT #294
31N 4W 10P

Monthly Oil and Gas Production



ROSA UNIT #296
PROPNUM 82001-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/18/03
TIME: 11:41:55
FILE: FTC_COM
PROP: 73
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	6.000	.000	-6.000	-5.663
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	6.000	380.896	-386.896	-356.868
12-93	.000	.234	.000	.205	.00	1.52	.311	.031	7.120	.000	-6.840	-362.403
12-94	.000	.157	.000	.137	.00	1.10	.150	.015	7.257	.000	-7.122	-367.740
12-95	.000	.000	.000	.000	.00	1.29	.000	.000	12.000	.000	-12.000	-376.066
12-96	.000	2.467	.000	2.159	.00	1.54	3.335	.330	12.908	.000	-9.903	-382.428
12-97	.000	.068	.000	.060	.00	2.16	.130	.013	12.225	.000	-12.108	-389.630
12-98	.000	.135	.000	.118	.00	1.73	.204	.020	12.064	.000	-11.880	-396.173
12-99	.000	1.642	.000	1.437	.00	1.92	2.755	.273	18.997	.000	-16.515	-404.595
12-00	.000	.638	.000	.558	.00	3.29	1.833	.182	24.631	.000	-22.980	-415.446
12-01	.000	3.809	.000	3.333	.00	3.26	10.856	1.076	23.678	.000	-13.898	-421.522
12-02	.000	1.565	.000	1.369	.00	3.26	4.459	.442	18.974	.000	-14.957	-427.577
12-03	.000	1.493	.000	1.306	.00	3.26	4.254	.422	18.915	.000	-15.083	-433.231
12-04	.000	1.456	.000	1.274	.00	3.26	4.150	.412	18.845	.000	-15.107	-438.474
12-05	.000	1.420	.000	1.243	.00	3.26	4.049	.401	18.787	.000	-15.139	-443.339
12-06	.000	1.331	.000	1.165	.00	3.26	3.795	.377	18.715	.000	-15.297	-447.891
12-07	.000	1.198	.000	1.048	.00	3.26	3.413	.338	18.632	.000	-15.557	-452.177
12-08	.000	1.078	.000	.943	.00	3.26	3.071	.304	18.560	.000	-15.793	-456.206
12-09	.000	.970	.000	.849	.00	3.26	2.765	.274	18.494	.000	-16.003	-459.986
12-10	.000	.873	.000	.764	.00	3.26	2.488	.247	18.439	.000	-16.198	-463.529
12-11	.000	.786	.000	.688	.00	3.26	2.241	.222	18.389	.000	-16.370	-466.844
12-12	.000	.708	.000	.620	.00	3.26	2.019	.200	18.346	.000	-16.527	-469.943
12-13	.000	.636	.000	.557	.00	3.26	1.814	.180	18.305	.000	-16.671	-472.837
12-14	.000	.573	.000	.501	.00	3.26	1.632	.162	18.272	.000	-16.802	-475.538
12-15	.000	.516	.000	.452	.00	3.26	1.472	.145	18.242	.000	-16.915	-478.056
12-16	.000	.464	.000	.406	.00	3.26	1.322	.131	18.216	.000	-17.025	-480.403
12-17	.000	.418	.000	.366	.00	3.26	1.192	.118	18.191	.000	-17.117	-482.587
12-18	.000	.375	.000	.328	.00	3.26	1.068	.106	18.171	.000	-17.209	-484.621
12-19	.000	.339	.000	.297	.00	3.26	.967	.096	18.151	.000	-17.280	-486.512
12-20	.000	.304	.000	.266	.00	3.26	.866	.086	18.135	.000	-17.355	-488.270
12-21	.000	.274	.000	.240	.00	3.26	.782	.077	18.122	.000	-17.417	-489.904
12-22	.000	.247	.000	.216	.00	3.26	.704	.069	18.107	.000	-17.472	-491.422
12-23	.000	.222	.000	.194	.00	3.26	.632	.063	18.095	.000	-17.526	-492.831
12-24	.000	.200	.000	.175	.00	3.26	.570	.056	18.085	.000	-17.571	-494.139
12-25	.000	.179	.000	.157	.00	3.26	.511	.051	18.078	.000	-17.618	-495.354
12-26	.000	.162	.000	.142	.00	3.26	.463	.046	18.069	.000	-17.652	-496.481
12-27	.000	.146	.000	.128	.00	3.26	.417	.042	18.061	.000	-17.686	-497.526
12-28	.000	.131	.000	.115	.00	3.26	.375	.037	18.055	.000	-17.717	-498.496
12-29	.000	.118	.000	.103	.00	3.26	.335	.033	18.048	.000	-17.746	-499.395
12-30	.000	.106	.000	.093	.00	3.26	.303	.030	18.043	.000	-17.770	-500.229
12-31	.000	.096	.000	.084	.00	3.26	.274	.027	18.040	.000	-17.793	-501.002
12-32	.000	.086	.000	.075	.00	3.26	.244	.024	18.034	.000	-17.814	-501.719
12-33	.000	.077	.000	.067	.00	3.26	.218	.022	18.028	.000	-17.832	-502.383
12-34	.000	.070	.000	.061	.00	3.26	.199	.020	18.025	.000	-17.846	-502.999
12-35	.000	.062	.000	.054	.00	3.26	.176	.018	18.022	.000	-17.864	-503.570
12-36	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-503.570
S TOT	.000	27.829	.000	24.353	.00	2.99	72.814	7.218	764.571	380.896	-1079.871	-503.570
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-503.570
TOTAL	.000	27.829	.000	24.353	.00	2.99	72.814	7.218	764.571	380.896	-1079.871	-503.570
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			72.814					
ULT.	.000	27.829		TOTAL REVENUES (M$)			72.814					

BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	45.000		
BTAX PAYOUT	12/31/2035	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	12/31/2035	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	-1.84	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	-.46	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	11/01/90	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	6.597	WATER NET PRODUCTION (MU)	5.774	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-1079.871	30.0	-305.682
2.0	-811.575	35.0	-287.519
5.0	-606.190	40.0	-271.951
8.0	-503.570	45.0	-258.296
10.0	-461.037	50.0	-246.119
12.0	-429.706	60.0	-225.148
15.0	-395.222	70.0	-207.555
18.0	-369.646	80.0	-192.496
20.0	-355.699	90.0	-179.414
25.0	-327.631	100.0	-167.923

CASE NAME: ROSA UNIT #296 -TEST -1PDP-RLG-1588.01 -BASIN

101 ROSA UNIT #296
102 PROPNUM 82001-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATFAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	2000.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN FACT	GAS	WATER
305		1.000	1.000
310		.000	.000
320	32.	.000	.000
339	3.	108.000	.000
340	3.	126.000	414.000
341	3.	4.000	480.000
342	3.	102.000	.000
343	3.	51.000	.000
344	3.	.000	.000
345	3.	.000	.000
346	3.	.000	.000
347	3.	.000	.000
348	3.	.000	.000
349	3.	.000	.000
350	3.	.000	.000
351	3.	2160.000	3.000
352	3.	307.000	3.000
353	3.	.000	.000
354	3.	.000	80.000
355	3.	.000	.000
356	3.	68.000	.000
357	3.	27.000	1.000
358	3.	53.000	2.000
359	3.	23.000	2.000
360	3.	32.000	1.000
361	3.	1562.000	160.000
362	3.	.000	.000
363	3.	80.000	1.000
364	3.	.000	.000
365	3.	.000	.000
366	3.	87.000	.000
367	3.	345.000	1120.000
368	3.	206.000	1440.000
369	3.	116.000	520.000
370	3.	948.000	240.000
371	3.	1392.000	400.000
372	3.	1353.000	560.000
373	3.	554.000	80.000
374	3.	434.000	.000
375	3.	393.000	81.000
376	3.	184.000	2.000

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	2.476	4.142	X	3.000	IYRS	D		
CALC	GAS	EXP END=	2.476	4.142	3.842	16.000	YRS	D	15.084	MMCF
411	GAS	EXP	10.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP END=	10.000	3.842	.163	46.000	YRS	D	27.829	MMCF
420	WATER	EXP	14.747	.444	X	30.000	IYRS	D		
CALC	WATER	EXP END=	14.747	.444	.004	43.000	YRS	D	6.597	M-UNITS

600 SERIES LINES:
602 DATA BTU : 0.9878 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 500 UNTIL 1995.0 AD : 1000 UNTIL 1999.0 AD THEN 1500 LIFE

629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
* 644 1.89 UNTIL 1993 AD
* 645 1.63 UNTIL 1994 AD
* 646 1.18 UNTIL 1995 AD
* 647 1.39 UNTIL 1996 AD
* 648 1.66 UNTIL 1997 AD
* 649 2.32 UNTIL 1998 AD
* 650 1.86 UNTIL 1999 AD
* 651 2.06 UNTIL 2000 AD
* 652 3.53 UNTIL 2001 AD
* 653 3.50 UNTIL 2002 AD
* 654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG

805	INVEST	1992.000	AD	G	195.636	185.260	.000		

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  853 CASE $GATHNET88
* 658 COMPUTE GASC = GASC / WI
* 659 COMPUTE GASC = GASC * NIG

  855 NOLOSS = OFF
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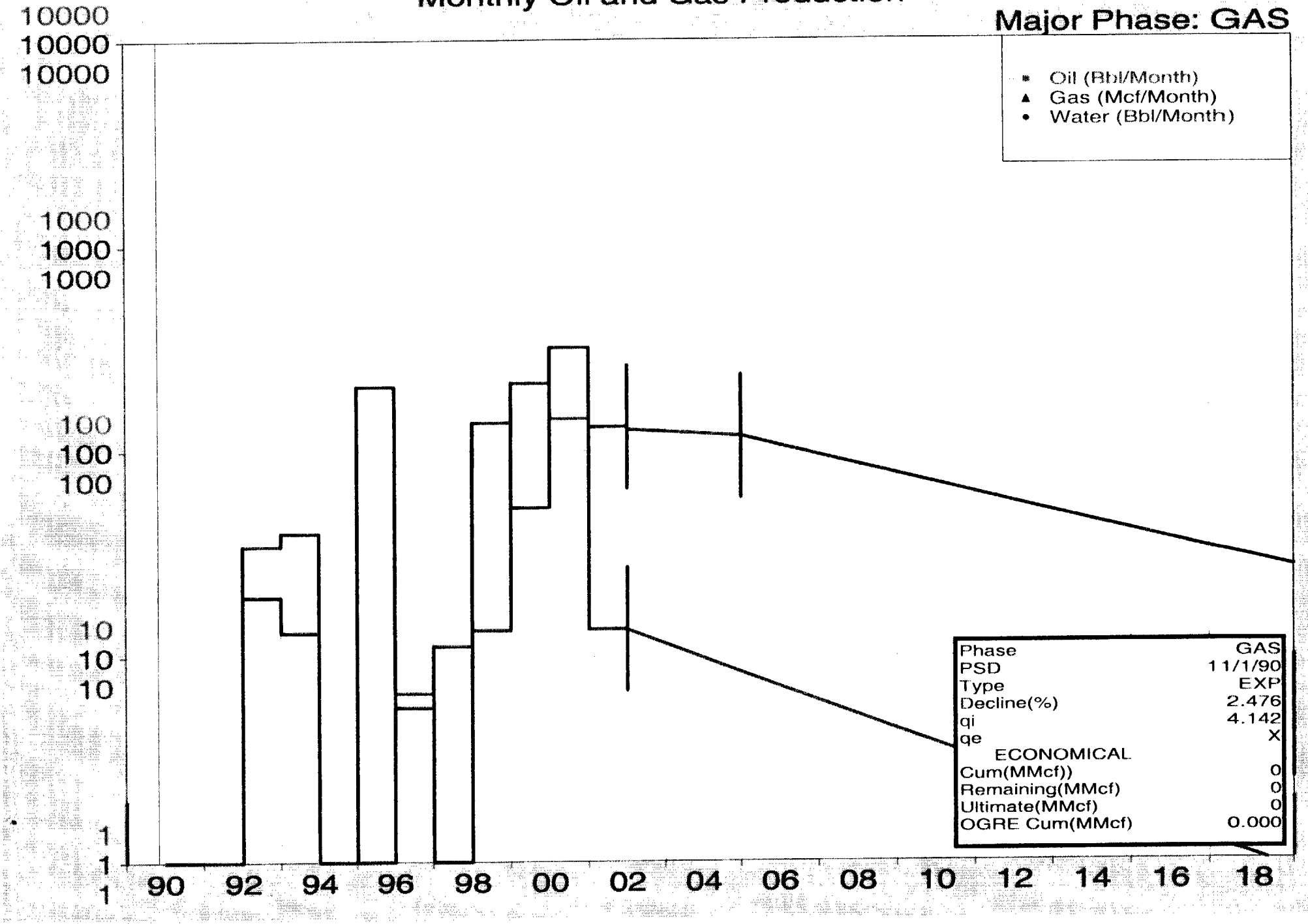
ROSA UNIT #296
31N 4W 12D

Monthly Oil and Gas Production



ROSA UNIT #297
PROPNUM 82002-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 09:42:44
FILE: FTC_COM
PROP: 74
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.53	.000	.000	4.500	319.014	-323.514	-311.219
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	4.500	.000	-4.500	-315.152
12-93	.000	21.922	.000	11.838	.00	1.52	17.942	1.778	15.754	.000	.410	-314.820
12-94	.000	53.744	.000	29.022	.00	1.10	31.844	3.156	32.993	.000	-4.305	-318.046
12-95	.000	43.128	.000	23.289	.00	1.29	30.101	2.983	24.558	.000	2.560	-316.270
12-96	.000	44.147	.000	23.839	.00	1.54	36.797	3.647	33.252	.000	-.102	-316.336
12-97	.000	34.142	.000	18.437	.00	2.16	39.773	3.942	28.919	.000	6.912	-312.225
12-98	.000	41.650	.000	22.491	.00	1.73	38.899	3.855	34.098	.000	.946	-311.704
12-99	.000	43.530	.000	23.506	.00	1.92	45.026	4.462	40.539	185.452	-185.427	-406.265
12-00	.000	47.095	.000	25.431	.00	3.28	83.474	8.273	36.048	.000	39.153	-387.777
12-01	.000	42.506	.000	22.953	.00	3.25	74.700	7.403	36.338	.000	30.959	-374.241
12-02	.000	33.981	.000	18.350	.00	3.25	59.720	5.918	30.683	.000	23.119	-364.882
12-03	.000	33.933	.000	18.324	.00	3.25	59.635	5.910	30.035	.000	23.690	-356.002
12-04	.000	32.915	.000	17.774	.00	3.25	57.845	5.732	28.686	.000	23.427	-347.871
12-05	.000	31.927	.000	17.241	.00	3.25	56.111	5.561	27.488	.000	23.062	-340.460
12-06	.000	29.844	.000	16.116	.00	3.25	52.449	5.197	26.162	.000	21.090	-334.184
12-07	.000	26.860	.000	14.504	.00	3.25	47.203	4.678	24.746	.000	17.779	-329.286
12-08	.000	24.173	.000	13.053	.00	3.25	42.481	4.210	23.488	.000	14.783	-325.515
12-09	.000	21.757	.000	11.749	.00	3.25	38.237	3.789	22.375	.000	12.073	-322.663
12-10	.000	19.580	.000	10.573	.00	3.25	34.410	3.410	21.387	.000	9.613	-320.560
12-11	.000	17.623	.000	9.516	.00	3.25	30.970	3.069	20.510	.000	7.391	-319.063
12-12	.000	15.860	.000	8.564	.00	3.25	27.871	2.762	19.732	.000	5.377	-318.055
12-13	.000	14.274	.000	7.708	.00	3.25	25.086	2.486	19.042	.000	3.558	-317.437
12-14	.000	12.847	.000	6.937	.00	3.25	22.576	2.237	18.428	.000	1.911	-317.130
12-15	.000	11.562	.000	6.243	.00	3.25	20.318	2.014	17.882	.000	.422	-317.067
S TOT	.000	699.000	.000	377.458	.00	2.58	973.468	96.472	622.143	504.466	-249.613	-317.067
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-317.067
TOTAL	.000	699.000	.000	377.458	.00	2.58	973.468	96.472	622.143	504.466	-249.613	-317.067
CUM.	.000	.000		NET OIL REVENUES (M$)			.000		--------PRESENT WORTH PROFILE---------			
				NET GAS REVENUES (M$)			973.468		DISC	PW OF NET	DISC	PW OF NET
ULT.	.000	699.000		TOTAL REVENUES (M$)			973.468		RATE	BTAX, M$	RATE	BTAX, M$
									.0	-249.613	30.0	-295.609
BTAX RATE OF RETURN (PCT)		.00	PROJECT LIFE (YEARS)				25.000		2.0	-280.456	35.0	-288.203
BTAX PAYOUT		LIFE	DISCOUNT RATE (PCT)				8.000		5.0	-306.033	40.0	-281.425
BTAX PAYOUT (DISC)		LIFE	GROSS OIL WELLS				.000		8.0	-317.067	45.0	-275.247
BTAX NET INCOME/INVEST		.51	GROSS GAS WELLS				1.000		10.0	-319.774	50.0	-269.595
BTAX NET INCOME/INVEST (DISC)		.21	GROSS WELLS				2.000		12.0	-320.203	60.0	-259.586
INITIAL W.I. FRACTION		.750000	INITIAL NET OIL FRACTION				.000000		15.0	-318.228	70.0	-250.915
FINAL W.I. FRACTION		.750000	FINAL NET OIL FRACTION				.000000		18.0	-314.512	80.0	-243.233
PRODUCTION START DATE		11/01/90	INITIAL NET GAS FRACTION				.540000		20.0	-311.548	90.0	-236.328
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.540000		25.0	-303.541	100.0	-230.044
WATER GROSS PROD. (MU)		97.415	WATER NET PRODUCTION (MU)				52.603		WATER NET REVENUES (M$)			.000

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CASE NAME: ROSA UNIT #297                    -TEST      -1PDP-RLG-1641.01    -BASIN
101 ROSA UNIT #297
102 PROPNUM 82002-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET PEDTAX = 38
120 1 90 12 10 01 1990 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.75000000	.00	3500.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.54000000	3.650	9.000	1.0	
224	WATER	.000	.54000000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	32.	.000	.000
320	3.	4392.000	.000
339	3.	17530.000	3393.000
340	3.	14241.000	1840.000
341	3.	13101.000	2000.000
342	3.	14210.000	2400.000
343	3.	12192.000	2560.000
344	3.	9237.000	1440.000
345	3.	11993.000	.000
346	3.	11034.000	.000
347	3.	10864.000	1725.000
348	3.	10814.000	2000.000
349	3.	11732.000	1440.000
350	3.	10704.000	1600.000
351	3.	10897.000	2640.000
352	3.	9161.000	2240.000
353	3.	7464.000	1520.000
354	3.	8472.000	1440.000
355	3.	9045.000	1360.000
356	3.	12321.000	2978.000
357	3.	10566.000	2010.000
358	3.	10707.000	2320.000
359	3.	8056.000	1120.000
360	3.	11968.000	1360.000
361	3.	6864.000	1440.000
362	3.	11902.000	3520.000
363	3.	12796.000	2920.000
364	3.	10856.000	1280.000
365	3.	11731.000	1120.000
366	3.	11943.000	2420.000
367	3.	12565.000	1600.000
368	3.	12339.000	1200.000
369	3.	10929.000	2161.000
370	3.	9549.000	2320.000
371	3.	9689.000	1440.000
372	3.	8133.000	1120.000
373	3.	8775.000	1600.000
374	3.	8736.000	1200.000
375	3.	8337.000	1200.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		3.000	94.390	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	3.000	94.390	86.147	16.000	YRS	D	504.620	MMCF
411	GAS	EXP		10.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	10.000	86.147	3.652	46.000	YRS	D	790.409	MMCF
420	WATER	EXP		12.509	13.991	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	12.509	13.991	.170	46.000	YRS	D	103.677	M-UNITS

600 SERIES LINES:

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602 DATA BTU : 0.987 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 500 UNTIL 1995.0 AD : 1000 UNTIL 1999.0 AD THEN 1500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG

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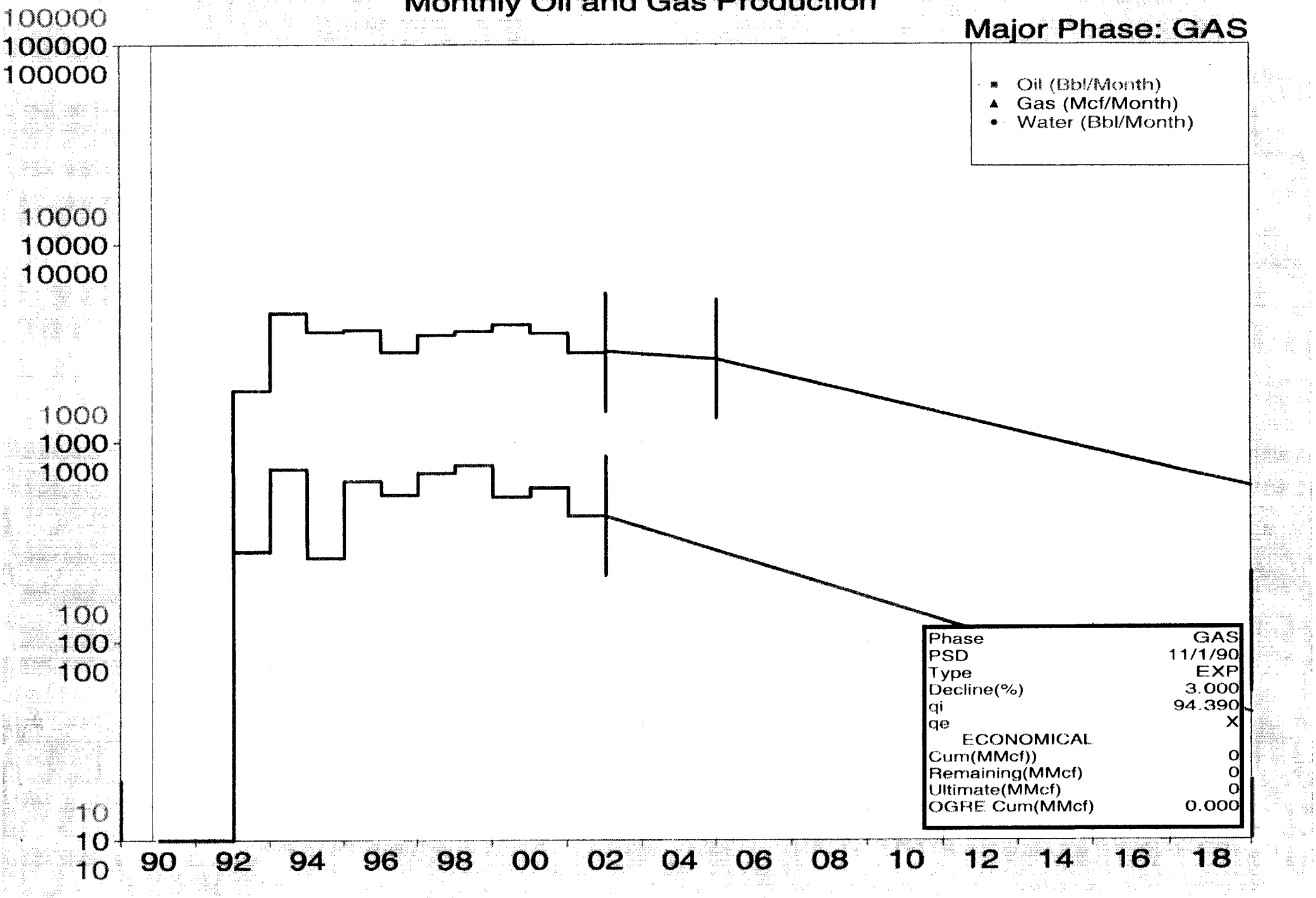
805      INVEST        1991.250    AD              G          320.352      105.000          .000
806  ! RECAV
806      INVEST        1999.500    AD              G          147.269      100.000          .000

853  CASE $GATHNET88
658  COMPUTE GASC = GASC / WI
659  COMPUTE GASC = GASC * NIG
855  ! NOLOSS = ON
855  ! NOLOSS = ON

ECONOMIC LIFE  (YRS):          25.000
GROSS GAS      (MMCF):        699.000
GROSS WATER      (MU):         97.415
```

ROSA UNIT #297
31N 4W 14H

Monthly Oil and Gas Production



ROSA UNIT 298
RIO ARRIBA COUNTY, NM
BASIN (FRUITLAND COAL) FIELD
WILLIAMS PROD CO

DATE: 08/15/03
TIME: 10:07:45
FILE: FTC_COM
PROP: 75
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

FRUITLAND COAL RESERVOIR

AS OF JULY 1, 1993

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-94	.000	.000	.000	.000	.00	1.11	.000	.000	.000	325.000	-325.000	-310.334
12-95	.000	.000	.000	.000	.00	1.31	.000	.000	.000	.000	.000	-310.334
12-96	.000	.002	.000	.002	.00	1.56	.003	.000	.001	.000	.002	-310.332
12-97	.000	.222	.000	.194	.00	2.18	.423	.042	6.081	.000	-5.700	-314.522
12-98	.000	.516	.000	.452	.00	1.75	.791	.078	6.589	.000	-5.876	-318.521
12-99	.000	1.300	.000	1.138	.00	1.94	2.206	.219	12.476	.000	-10.489	-325.131
12-00	.000	1.208	.000	1.057	.00	3.32	3.511	.348	12.442	.000	-9.279	-330.545
12-01	.000	.648	.000	.567	.00	3.29	1.867	.185	12.237	.000	-10.555	-336.248
12-02	.000	.651	.000	.570	.00	3.29	1.877	.186	12.238	.000	-10.547	-341.524
12-03	.000	.643	.000	.563	.00	3.29	1.854	.184	12.235	.000	-10.565	-346.418
12-04	.000	.601	.000	.526	.00	3.29	1.732	.172	12.220	.000	-10.660	-350.990
12-05	.000	.564	.000	.494	.00	3.29	1.627	.161	12.206	.000	-10.740	-355.255
12-06	.000	.527	.000	.461	.00	3.29	1.518	.151	12.193	.000	-10.826	-359.236
12-07	.000	.493	.000	.431	.00	3.29	1.419	.141	12.180	.000	-10.902	-362.948
12-08	.000	.462	.000	.404	.00	3.29	1.330	.132	12.169	.000	-10.971	-366.407
12-09	.000	.432	.000	.378	.00	3.29	1.245	.123	12.158	.000	-11.036	-369.628
12-10	.000	.405	.000	.354	.00	3.29	1.166	.116	12.148	.000	-11.098	-372.627
12-11	.000	.378	.000	.331	.00	3.29	1.090	.108	12.138	.000	-11.156	-375.419
12-12	.000	.355	.000	.311	.00	3.29	1.024	.101	12.130	.000	-11.207	-378.016
12-13	.000	.332	.000	.291	.00	3.29	.958	.095	12.121	.000	-11.258	-380.431
12-14	.000	.310	.000	.271	.00	3.29	.892	.088	12.113	.000	-11.309	-382.678
12-15	.000	.291	.000	.255	.00	3.29	.840	.084	12.106	.000	-11.350	-384.766
12-16	.000	.272	.000	.238	.00	3.29	.784	.078	12.100	.000	-11.394	-386.707
12-17	.000	.255	.000	.223	.00	3.29	.734	.073	12.093	.000	-11.432	-388.510
12-18	.000	.238	.000	.208	.00	3.29	.685	.068	12.087	.000	-11.470	-390.185
12-19	.000	.223	.000	.195	.00	3.29	.642	.064	12.082	.000	-11.504	-391.740
12-20	.000	.209	.000	.183	.00	3.29	.603	.059	12.076	.000	-11.532	-393.184
12-21	.000	.195	.000	.171	.00	3.29	.563	.056	12.071	.000	-11.564	-394.524
12-22	.000	.183	.000	.160	.00	3.29	.527	.052	12.067	.000	-11.592	-395.768
12-23	.000	.087	.000	.076	.00	3.29	.250	.025	6.032	.000	-5.807	-396.356
S TOT	.000	12.002	.000	10.504	.00	3.06	32.161	3.189	310.789	325.000	-606.817	-396.356
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-396.356
TOTAL	.000	12.002	.000	10.504	.00	3.06	32.161	3.189	310.789	325.000	-606.817	-396.356
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			32.161	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	12.002		TOTAL REVENUES (M$)			32.161	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		.00	PROJECT LIFE (YEARS)				29.500	.0	-606.817	30.0	-290.564	
BTAX PAYOUT		LIFE	DISCOUNT RATE (PCT)				8.000	2.0	-522.660	35.0	-281.069	
BTAX PAYOUT (DISC)		LIFE	GROSS OIL WELLS				.000	5.0	-443.745	40.0	-272.962	
BTAX NET INCOME/INVEST		-.87	GROSS GAS WELLS				1.000	8.0	-396.356	45.0	-265.831	
BTAX NET INCOME/INVEST (DISC)		-.28	GROSS WELLS				2.000	10.0	-374.663	50.0	-259.423	
								12.0	-357.957	60.0	-248.197	
INITIAL W.I. FRACTION		1.000000	INITIAL NET OIL FRACTION				.000000	15.0	-339.075	70.0	-238.505	
FINAL W.I. FRACTION		1.000000	FINAL NET OIL FRACTION				.000000	18.0	-324.979	80.0	-229.943	
PRODUCTION START DATE		7/01/93	INITIAL NET GAS FRACTION				.875000	20.0	-317.341	90.0	-222.254	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.875000	25.0	-302.181	100.0	-215.278	
WATER GROSS PROD. (MU)		.160	WATER NET PRODUCTION (MU)				.140	WATER NET REVENUES (M$)			.000	

```
101 ROSA UNIT 298
102 RIO ARRIBA COUNTY, NM
103 BASIN (FRUITLAND COAL) FIELD
104 WILLIAMS PROD CO
105 FRUITLAND COAL RESERVOIR

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 93 12 07 01 1993 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	2500.00	1.000	GAS	7/01/1993

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	39.	.000	.000
325	3.	2.000	.000
326	3.	.000	.000
327	3.	8.000	.000
328	3.	214.000	.000
329	3.	.000	.000
330	3.	.000	80.000
331	3.	133.000	.000
332	3.	213.000	80.000
333	3.	170.000	.000
334	3.	288.000	.000
335	3.	463.000	.000
336	3.	277.000	.000
337	3.	272.000	.000
338	3.	375.000	.000
339	3.	505.000	.000
340	3.	288.000	.000
341	3.	40.000	.000
342	3.	247.000	.000
343	3.	240.000	.000
344	3.	52.000	.000
345	3.	109.000	.000
346	3.	124.000	.000
347	3.	156.000	.000
348	3.	186.000	.000
349	3.	185.000	.000

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		6.400	1.820	X	30.000	YRS	D	
CALC	GAS	EXP	END= 6.400		1.820	.469	30.500	YRS	D	12.002 MMCF

600 SERIES LINES:

```
602 DATA BTU : .9987 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1997.0 AD : 500 UNTIL 1999.0 AD THEN 1000 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 : DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1994.100 AD	G	195.000	130.000	.000		

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853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

855 NOLOSS = OFF
```
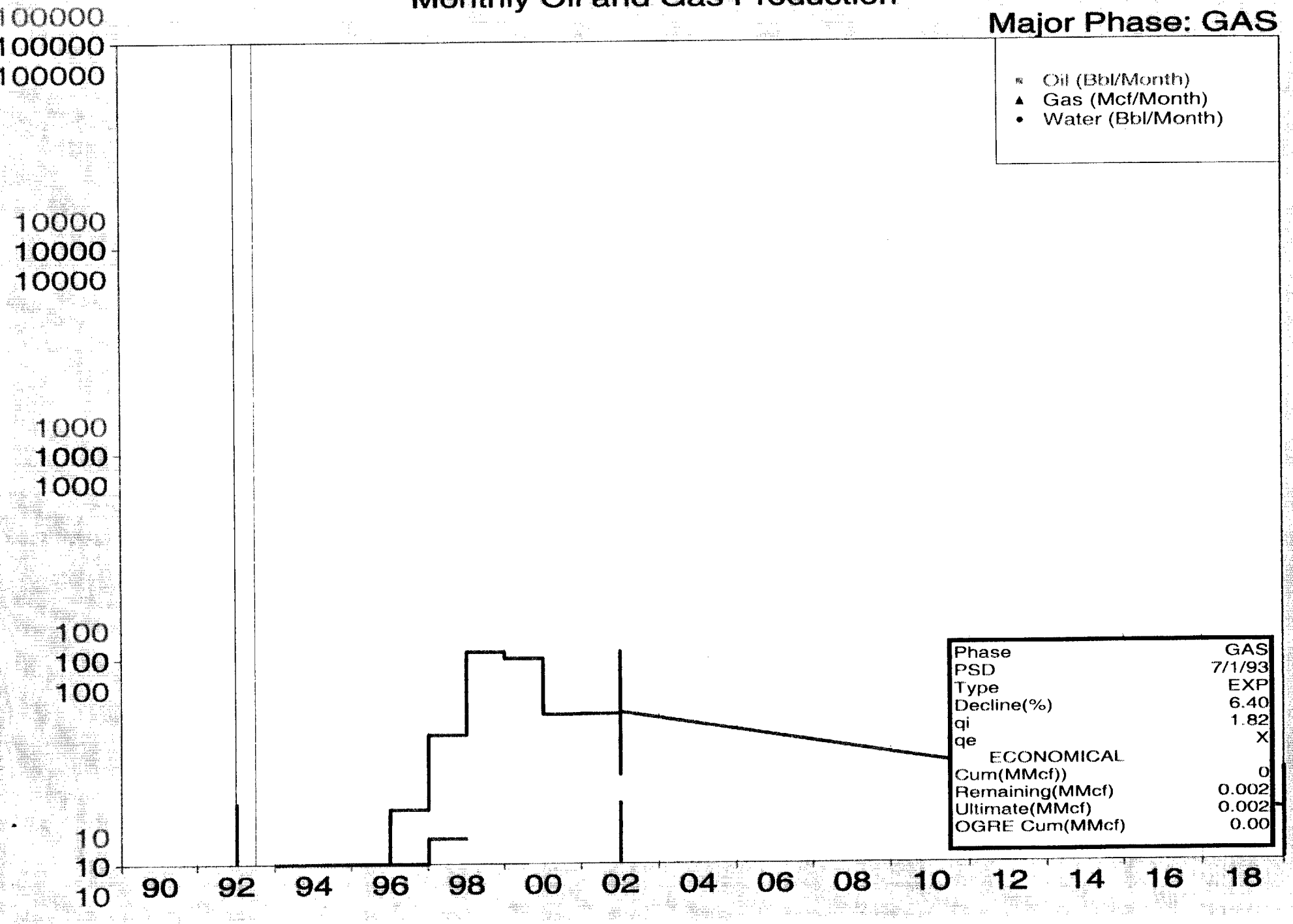

ROSA UNIT #298
31N 4W 14N

Monthly Oil and Gas Production



ROSA UNIT #305
PROPNUM 82003-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 09:56:46
FILE: FTC_COM
PROP: 76
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	4.500	246.227	-250.727	-243.931
12-92	.000	.000	.000	.000	.00	1.77	.000	.000	4.500	.000	-4.500	-247.864
12-93	.000	16.756	.000	9.048	.00	1.52	13.783	1.365	9.092	.000	3.326	-245.172
12-94	.000	12.195	.000	6.585	.00	1.10	7.262	.720	8.885	.000	-2.343	-246.928
12-95	.000	5.569	.000	3.007	.00	1.30	3.906	.388	10.399	.000	-6.881	-251.702
12-96	.000	9.539	.000	5.151	.00	1.55	7.991	.792	13.089	.000	-5.890	-255.486
12-97	.000	5.612	.000	3.030	.00	2.17	6.570	.651	11.309	.000	-5.390	-258.692
12-98	.000	5.898	.000	3.185	.00	1.74	5.536	.548	11.673	.000	-6.685	-262.374
12-99	.000	5.084	.000	2.745	.00	1.93	5.285	.524	15.390	.000	-10.629	-267.794
12-00	.000	10.391	.000	5.611	.00	3.30	18.511	1.834	18.231	.000	-1.554	-268.528
12-01	.000	15.766	.000	8.514	.00	3.27	27.849	2.759	19.140	.000	5.950	-265.927
12-02	.000	17.426	.000	9.410	.00	3.27	30.780	3.050	17.429	.000	10.301	-261.757
12-03	.000	17.997	.000	9.718	.00	3.27	31.787	3.150	19.328	.000	9.309	-258.268
12-04	.000	17.098	.000	9.233	.00	3.27	30.201	2.993	18.944	.000	8.264	-255.400
12-05	.000	16.192	.000	8.744	.00	3.27	28.601	2.834	18.578	.000	7.189	-253.090
12-06	.000	14.330	.000	7.738	.00	3.27	25.311	2.508	18.013	.000	4.790	-251.665
12-07	.000	12.324	.000	6.655	.00	3.27	21.768	2.157	17.432	.000	2.179	-251.065
S TOT	.000	182.177	.000	98.374	.00	2.70	265.141	26.273	235.932	246.227	-243.291	-251.065
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-251.065
TOTAL	.000	182.177	.000	98.374	.00	2.70	265.141	26.273	235.932	246.227	-243.291	-251.065
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			265.141					
ULT.	.000	182.177		TOTAL REVENUES (M$)			265.141					

BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	17.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000	2.0	-243.291	30.0	-235.052
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000	5.0	-247.583	35.0	-231.136
BTAX NET INCOME/INVEST	.01	GROSS GAS WELLS	1.000	8.0	-250.604	40.0	-227.471
BTAX NET INCOME/INVEST (DISC)	-.05	GROSS WELLS	2.000	10.0	-251.065	45.0	-224.060
				12.0	-250.506	50.0	-220.877
INITIAL W.I. FRACTION	.750000	INITIAL NET OIL FRACTION	.000000	15.0	-249.506	60.0	-215.105
FINAL W.I. FRACTION	.750000	FINAL NET OIL FRACTION	.000000	18.0	-247.489	70.0	-209.982
PRODUCTION START DATE	11/01/90	INITIAL NET GAS FRACTION	.540000	20.0	-245.126	80.0	-205.377
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.540000	25.0	-243.454	90.0	-201.188
					-239.201	100.0	-197.344
WATER GROSS PROD. (MU)	10.438	WATER NET PRODUCTION (MU)	5.635	WATER NET REVENUES (M$)			.000

CASE NAME: ROSA UNIT #305 -TEST -1PDP-RLG-1659.01 -BASIN

```
101 ROSA UNIT #305
102 PROPNUM 82003-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.75000000	.00	2500.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.54000000	3.650	9.000	1.0	
224	WATER	.000	.54000000	.000	.000	1.0	

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300 SERIES LINES:
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	MAN	GAS	WATER
305	FACT	1.000	1.000
320	32.	.000	.000
339	3.	10662.000	.000
340	3.	6094.000	445.000
341	3.	3553.000	80.000
342	3.	3174.000	320.000
343	3.	2928.000	480.000
344	3.	2540.000	.000
345	3.	2067.000	.000
346	3.	850.000	.000
347	3.	1921.000	.000
348	3.	731.000	80.000
349	3.	2348.000	400.000
350	3.	2630.000	320.000
351	3.	2516.000	80.000
352	3.	2045.000	240.000
353	3.	1718.000	.000
354	3.	1370.000	320.000
355	3.	1205.000	160.000
356	3.	1319.000	80.000
357	3.	1062.000	.000
358	3.	1873.000	160.000
359	3.	1737.000	240.000
360	3.	1226.000	320.000
361	3.	576.000	320.000
362	3.	1287.000	.000
363	3.	1560.000	80.000
364	3.	1661.000	.000
365	3.	1672.000	.000
366	3.	1844.000	160.000
367	3.	2515.000	320.000
368	3.	4360.000	800.000
369	3.	2503.000	240.000
370	3.	4192.000	400.000
371	3.	5044.000	400.000
372	3.	4027.000	82.000
373	3.	4545.000	3.000
374	3.	4905.000	3.000
375	3.	4278.000	3.000
376	3.	3698.000	2.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		5.000	50.583	X	2.748	IYRS	D		
CALC	GAS	EXP	END=	5.000	50.583	43.933	15.748	YRS	D	151.558	MMCF
411	GAS	EXP		14.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	14.000	43.933	.476	45.748	YRS	D	256.726	MMCF
420	WATER	EXP		10.110	2.757	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	10.110	2.757	.082	46.000	YRS	D	15.699	M-UNITS

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600 SERIES LINES:
~~~~~~~~~~~~~~~~
602 DATA BTU : 0.992 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 500 UNTIL 1995.0 AD : 1000 UNTIL 1999.0 AD THEN 1500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG

805	INVEST	1991.100	AD		G	128.302	200.000	.000	

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON
```

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ECONOMIC LIFE  (YRS):        17.000
GROSS GAS      (MMCF):      182.177
GROSS WATER      (MU):       10.438
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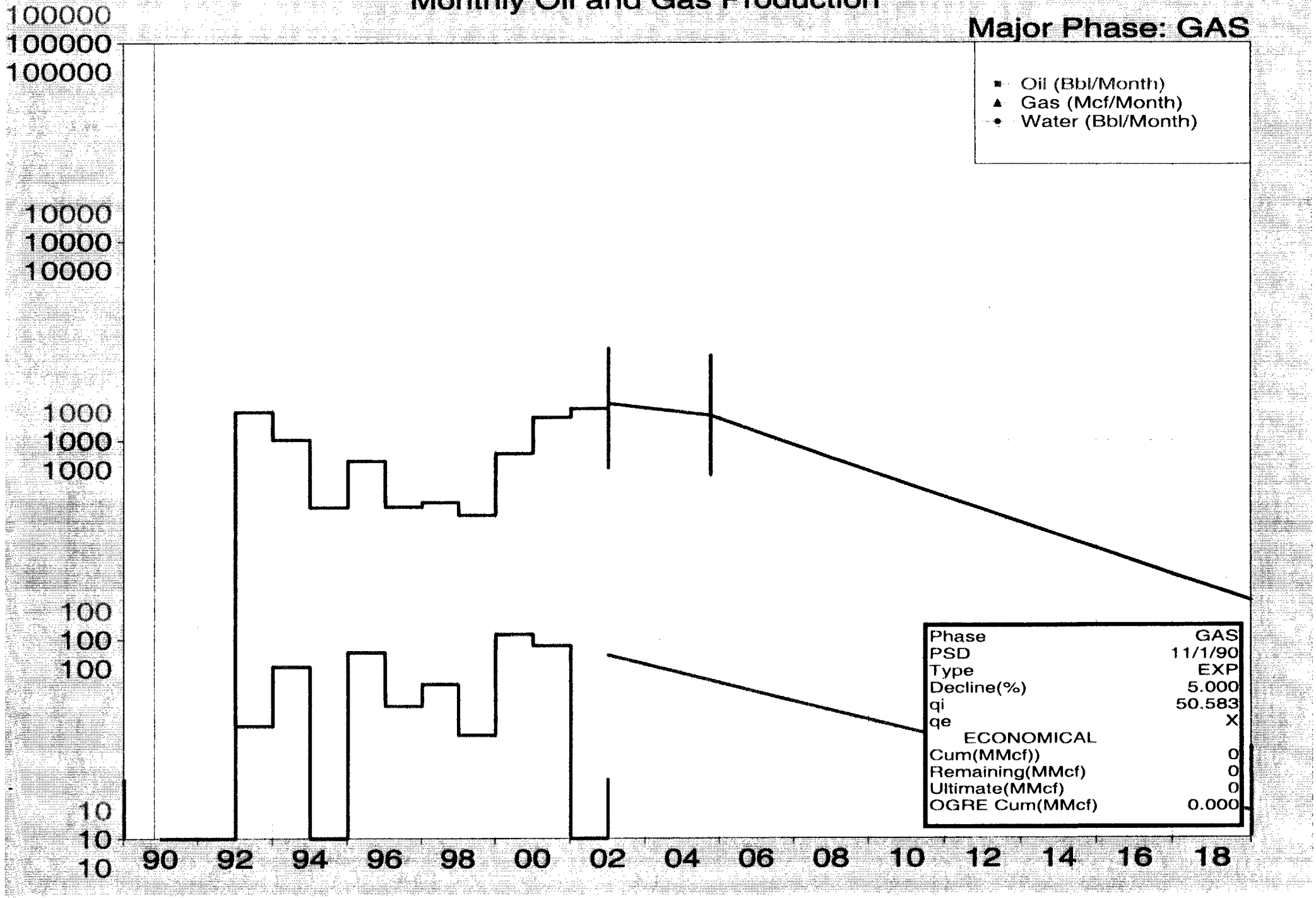
ROSA UNIT #305
31N 4W 22P
Monthly Oil and Gas Production



ROSA UNIT #306
PROPNUM 82004-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 09:45:34
FILE: FTC_COM
PROP: 77
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JUNE 1, 1991

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	6.000	369.559	-375.559	-356.146
12-93	.000	20.520	.000	17.955	.00	1.52	27.250	2.701	15.356	.000	9.193	-348.315
12-94	.000	40.351	.000	35.307	.00	1.10	38.791	3.844	23.697	.000	11.250	-339.441
12-95	.000	30.620	.000	26.793	.00	1.29	34.675	3.437	24.871	.000	6.367	-334.791
12-96	.000	24.572	.000	21.501	.00	1.55	33.232	3.293	22.768	.000	7.171	-329.942
12-97	.000	20.770	.000	18.174	.00	2.16	39.258	3.890	20.995	.000	14.373	-320.942
12-98	.000	20.494	.000	17.932	.00	1.73	31.055	3.078	21.330	.000	6.647	-317.088
12-99	.000	21.880	.000	19.145	.00	1.92	36.720	3.639	27.454	.000	5.627	-314.067
12-00	.000	25.485	.000	22.299	.00	3.29	73.290	7.263	28.576	.000	37.451	-295.452
12-01	.000	31.220	.000	27.318	.00	3.26	89.023	8.822	32.124	.000	48.077	-273.325
12-02	.000	25.092	.000	21.956	.00	3.26	71.550	7.091	28.596	.000	35.863	-258.042
12-03	.000	24.925	.000	21.809	.00	3.26	71.071	7.043	28.512	.000	35.516	-244.028
12-04	.000	24.177	.000	21.155	.00	3.26	68.939	6.832	28.184	.000	33.923	-231.634
12-05	.000	23.451	.000	20.520	.00	3.26	66.870	6.627	27.867	.000	32.376	-220.682
12-06	.000	21.921	.000	19.181	.00	3.26	62.506	6.195	27.216	.000	29.095	-211.569
12-07	.000	19.729	.000	17.263	.00	3.26	56.256	5.575	26.297	.000	24.384	-204.497
12-08	.000	17.757	.000	15.537	.00	3.26	50.632	5.018	25.468	.000	20.146	-199.087
12-09	.000	15.980	.000	13.983	.00	3.26	45.567	4.516	24.721	.000	16.330	-195.027
12-10	.000	14.383	.000	12.585	.00	3.26	41.012	4.064	24.047	.000	12.901	-192.057
12-11	.000	12.944	.000	11.326	.00	3.26	36.909	3.658	23.444	.000	9.807	-189.966
12-12	.000	11.650	.000	10.194	.00	3.26	33.220	3.292	22.901	.000	7.027	-188.579
12-13	.000	10.484	.000	9.174	.00	3.26	29.896	2.963	22.411	.000	4.522	-187.753
12-14	.000	9.437	.000	8.257	.00	3.26	26.908	2.667	21.968	.000	2.273	-187.368
12-15	.000	8.493	.000	7.431	.00	3.26	24.216	2.399	21.574	.000	.243	-187.330
S TOT	.000	476.335	.000	416.795	.00	2.61	1088.846	107.907	576.377	369.559	35.003	-187.330
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-187.330
TOTAL	.000	476.335	.000	416.795	.00	2.61	1088.846	107.907	576.377	369.559	35.003	-187.330
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			1088.846					
ULT.	.000	476.335		TOTAL REVENUES (M$)			1088.846					

BTAX RATE OF RETURN (PCT)	.85	PROJECT LIFE (YEARS)	24.000	.0	35.003	30.0	-280.708
BTAX PAYOUT	02/20/2010	DISCOUNT RATE (PCT)	8.000	2.0	-47.635	35.0	-280.009
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000	5.0	-132.731	40.0	-277.540
BTAX NET INCOME/INVEST	1.09	GROSS GAS WELLS	1.000	8.0	-187.330	45.0	-274.070
BTAX NET INCOME/INVEST (DISC)	.47	GROSS WELLS	2.000	10.0	-212.577	50.0	-270.052
				12.0	-231.530	60.0	-261.347
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000	15.0	-251.474	70.0	-252.535
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000	18.0	-264.315	80.0	-244.034
PRODUCTION START DATE	7/01/91	INITIAL NET GAS FRACTION	.875000	20.0	-270.120	90.0	-235.995
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000	25.0	-278.250	100.0	-228.455
WATER GROSS PROD. (MU)	2.906	WATER NET PRODUCTION (MU)	2.544	WATER	NET REVENUES (M$)		.000

```
101 ROSA UNIT #306
102 PROPNUM 82004-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
* 107 WILLIAMS PROD CO
* 130 INVEST -DB200 7 0 0 0 0
* 131 DRLG -DB200 7 0 0 0 0
* 132 COMP -DB200 7 0 0 0 0
* 133 GATHPL -DB200 10 0 0 0 0
* 134 PLATFAC -DB200 10 0 0 0 0
* 135 NETLND -DB200 7 0 0 0 0
* 136 NETSEIS -DB200 7 0 0 0 0
* 137 GRSOTH -DB200 7 0 0 0 0
* 138 NETACQ -DB200 7 0 0 0 0
* 139 NTSALE -DB200 7 0 0 0 0
* 160 SET RPTFRM = 2
* 165 SET SHRINK = GAS
* 698 SET IDCAMORT = MAJOR
* 699 SET FEDTAX = 38
120 1 91 12 06 01 1991 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	2000.00	1.000	GAS	7/01/1991

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	24.	.000	.000
339	3.	9702.000	.000
340	3.	10818.000	346.000
341	3.	7352.000	.000
342	3.	11624.000	240.000
343	3.	11570.000	160.000
344	3.	9805.000	.000
345	3.	8732.000	80.000
346	3.	7613.000	.000
347	3.	7448.000	.000
348	3.	6827.000	.000
349	3.	5928.000	160.000
350	3.	7638.000	.000
351	3.	6209.000	80.000
352	3.	4797.000	.000
353	3.	5078.000	.000
354	3.	5049.000	80.000
355	3.	5423.000	80.000
356	3.	5220.000	.000
357	3.	5399.000	20.000
358	3.	5074.000	.000
359	3.	5674.000	160.000
360	3.	4347.000	160.000
361	3.	4406.000	160.000
362	3.	5610.000	.000
363	3.	6136.000	.000
364	3.	5728.000	.000
365	3.	5510.000	3.000
366	3.	5263.000	3.000
367	3.	5829.000	3.000
368	3.	8883.000	3.000
369	3.	8051.000	240.000
370	3.	8046.000	.000
371	3.	7681.000	160.000
372	3.	7442.000	82.000
373	3.	6908.000	.000
374	3.	6661.000	80.000
375	3.	5230.000	3.000
376	3.	6293.000	2.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		3.000	69.332	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	3.000	69.332	63.277	15.000	YRS	D	333.557	MMCF
411	GAS	EXP		10.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	10.000	63.277	2.682	45.000	YRS	D	543.476	MMCF
420	WATER	EXP		9.737	.229	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	9.737	.229	.008	45.000	YRS	D	3.093	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9883 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 500 UNTIL 1995.0 AD : 1000 UNTIL 1999.0 AD THEN 1500 LIFE

629 CASE $AREA1788
* 640 DATA GASP : 1.69 UNTIL 1989 AD
* 641 1.67 UNTIL 1990 AD
* 642 1.26 UNTIL 1991 AD
* 643 1.65 UNTIL 1992 AD
* 644 1.89 UNTIL 1993 AD
* 645 1.63 UNTIL 1994 AD
* 646 1.18 UNTIL 1995 AD
* 647 1.39 UNTIL 1996 AD
* 648 1.66 UNTIL 1997 AD
* 649 2.32 UNTIL 1998 AD
* 650 1.86 UNTIL 1999 AD
* 651 2.06 UNTIL 2000 AD
* 652 3.53 UNTIL 2001 AD
* 653 3.50 UNTIL 2002 AD
* 654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

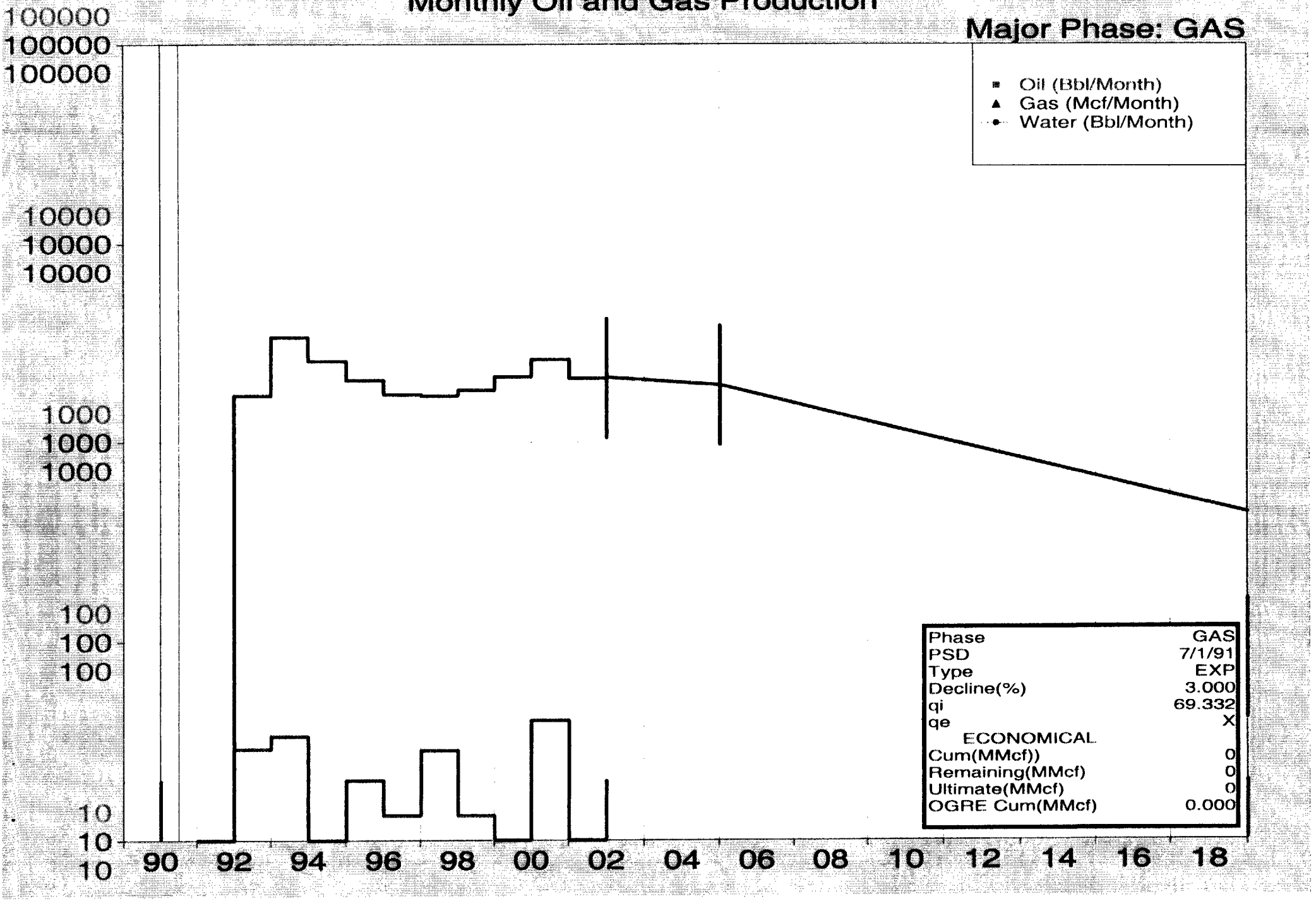
	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG

805	INVEST	1992.100	AD		G	252.559	117.000	.000	

855 NOLOSS = ON

ECONOMIC LIFE (YRS): 24.000
GROSS GAS (MMCF): 476.335
GROSS WATER (MU): 2.906

ROSA UNIT #306
31N 4W 22M
Monthly Oil and Gas Production



ROSA UNIT #308
PROPNUM 82005-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 09:57:57
FILE: FTC_COM
PROP: 78
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JUNE 1, 1991

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	6.000	317.429	-323.429	-306.687
12-93	.000	6.976	.000	4.883	.00	1.52	7.401	.733	8.721	.000	-2.053	-308.436
12-94	.000	24.075	.000	16.853	.00	1.10	18.492	1.832	15.364	.000	1.296	-307.414
12-95	.000	14.040	.000	9.828	.00	1.29	12.703	1.259	16.091	.000	-4.647	-310.808
12-96	.000	16.823	.000	11.776	.00	1.54	18.177	1.801	18.467	.000	-2.091	-312.222
12-97	.000	10.393	.000	7.275	.00	2.16	15.694	1.555	16.406	.000	-2.267	-313.641
12-98	.000	10.801	.000	7.561	.00	1.73	13.077	1.296	16.533	.000	-4.752	-316.396
12-99	.000	15.828	.000	11.080	.00	1.92	21.224	2.103	23.179	.000	-4.058	-318.574
12-00	.000	22.397	.000	15.678	.00	3.28	51.461	5.099	26.004	.000	20.358	-308.455
12-01	.000	26.869	.000	18.808	.00	3.25	61.210	6.066	27.776	.000	27.368	-295.859
12-02	.000	23.131	.000	16.192	.00	3.25	52.697	5.223	25.091	.000	22.383	-286.321
12-03	.000	22.479	.000	15.735	.00	3.25	51.209	5.075	24.883	.000	21.251	-277.936
12-04	.000	21.354	.000	14.948	.00	3.25	48.648	4.821	24.515	.000	19.312	-270.880
12-05	.000	20.287	.000	14.201	.00	3.25	46.217	4.581	24.169	.000	17.467	-264.971
12-06	.000	19.090	.000	13.363	.00	3.25	43.490	4.310	23.787	.000	15.393	-260.150
12-07	.000	16.437	.000	11.506	.00	3.25	37.446	3.711	22.990	.000	10.745	-257.034
12-08	.000	13.840	.000	9.688	.00	3.25	31.529	3.125	22.214	.000	6.190	-255.372
12-09	.000	11.652	.000	8.156	.00	3.25	26.544	2.631	21.559	.000	2.354	-254.787
S TOT	.000	296.472	.000	207.531	.00	2.68	557.219	55.221	363.749	317.429	-179.180	-254.787
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-254.787
TOTAL	.000	296.472	.000	207.531	.00	2.68	557.219	55.221	363.749	317.429	-179.180	-254.787
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
ULT.	.000	296.472		NET GAS REVENUES (M$)			557.219					
				TOTAL REVENUES (M$)			557.219					

						PRESENT WORTH PROFILE		
						DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	18.000			.0	-179.180	30.0	-266.754
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000			2.0	-208.030	35.0	-261.638
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000			5.0	-237.126	40.0	-256.168
BTAX NET INCOME/INVEST	.44	GROSS GAS WELLS	1.000			8.0	-254.787	45.0	-250.626
BTAX NET INCOME/INVEST (DISC)	.15	GROSS WELLS	2.000			10.0	-262.288	50.0	-245.166
						12.0	-267.360	60.0	-234.765
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000			15.0	-271.673	70.0	-225.196
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000			18.0	-273.253	80.0	-216.454
PRODUCTION START DATE	7/01/91	INITIAL NET GAS FRACTION	.700000			20.0	-273.265	90.0	-208.476
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.700000			25.0	-270.968	100.0	-201.172
WATER GROSS PROD. (MU)	5.593	WATER NET PRODUCTION (MU)	3.916			WATER NET REVENUES (M$)		.000	

OGRE(R) V2.2 BTAX — DATA REPORT — DATE: 08/15/03
FILE NAME: FTC_COM (78) — TIME: 09:57:57
CASE NAME: ROSA UNIT #308 -TEST -1PDP-RLG-1611.01 -BASIN

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101 ROSA UNIT #308
102 PROPNUM 82005-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 91 12 06 01 1991 8 2
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	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	2000.00	1.000	GAS	7/01/1991

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.70000000	3.650	9.000	1.0	
224	WATER	.000	.70000000	.000	.000	1.0	

300 SERIES LINES:

	MAN FACT	GAS	WATER
305			
310		1.000	1.000
320	24.	.000	.000
339	3.	2967.000	.000
340	3.	4009.000	281.000
341	3.	7999.000	640.000
342	3.	7341.000	320.000
343	3.	5065.000	.000
344	3.	3670.000	.000
345	3.	3747.000	3.000
346	3.	3230.000	3.000
347	3.	3817.000	3.000
348	3.	3246.000	3.000
349	3.	4265.000	240.000
350	3.	5224.000	160.000
351	3.	3816.000	240.000
352	3.	3518.000	.000
353	3.	2075.000	400.000
354	3.	3167.000	80.000
355	3.	2751.000	.000
356	3.	2400.000	80.000
357	3.	1674.000	3.000
358	3.	2845.000	320.000
359	3.	3357.000	160.000
360	3.	2925.000	80.000
361	3.	2427.000	80.000
362	3.	3319.000	.000
363	3.	5072.000	80.000
364	3.	5010.000	80.000
365	3.	5294.000	.000
366	3.	5058.000	480.000
367	3.	6561.000	130.000
368	3.	5484.000	.000
369	3.	5625.000	.000
370	3.	6904.000	240.000
371	3.	7345.000	480.000
372	3.	6995.000	81.000
373	3.	6288.000	.000
374	3.	6233.000	.000
375	3.	5391.000	80.000
376	3.	5219.000	80.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT	(M OR Y)	CALC VALUE	
410	GAS	EXP		5.000	63.178	X	3.597 IYR	D		
CALC	GAS	EXP	END=	5.000	63.178	52.534	15.597 YRS	D	247.077	MMCF
411	GAS	EXP		15.801	LAST	X	30.000 IYRS	D		
CALC	GAS	EXP	END=	15.801	52.534	.302	45.597 YRS	D	357.927	MMCF
420	WATER	EXP		11.249	.442	X	33.000 IYRS	D		
CALC	WATER	EXP	END=	11.249	.442	.009	45.000 YRS	D	6.153	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.987 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 500 UNTIL 1995.0 AD : 1000 UNTIL 1999.0 AD THEN 1500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG

805	INVEST	1992.100	AD		G	249.129	68.300	.000	

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853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):        18.000
GROSS GAS     (MMCF):       296.472
GROSS WATER     (MU):         5.593
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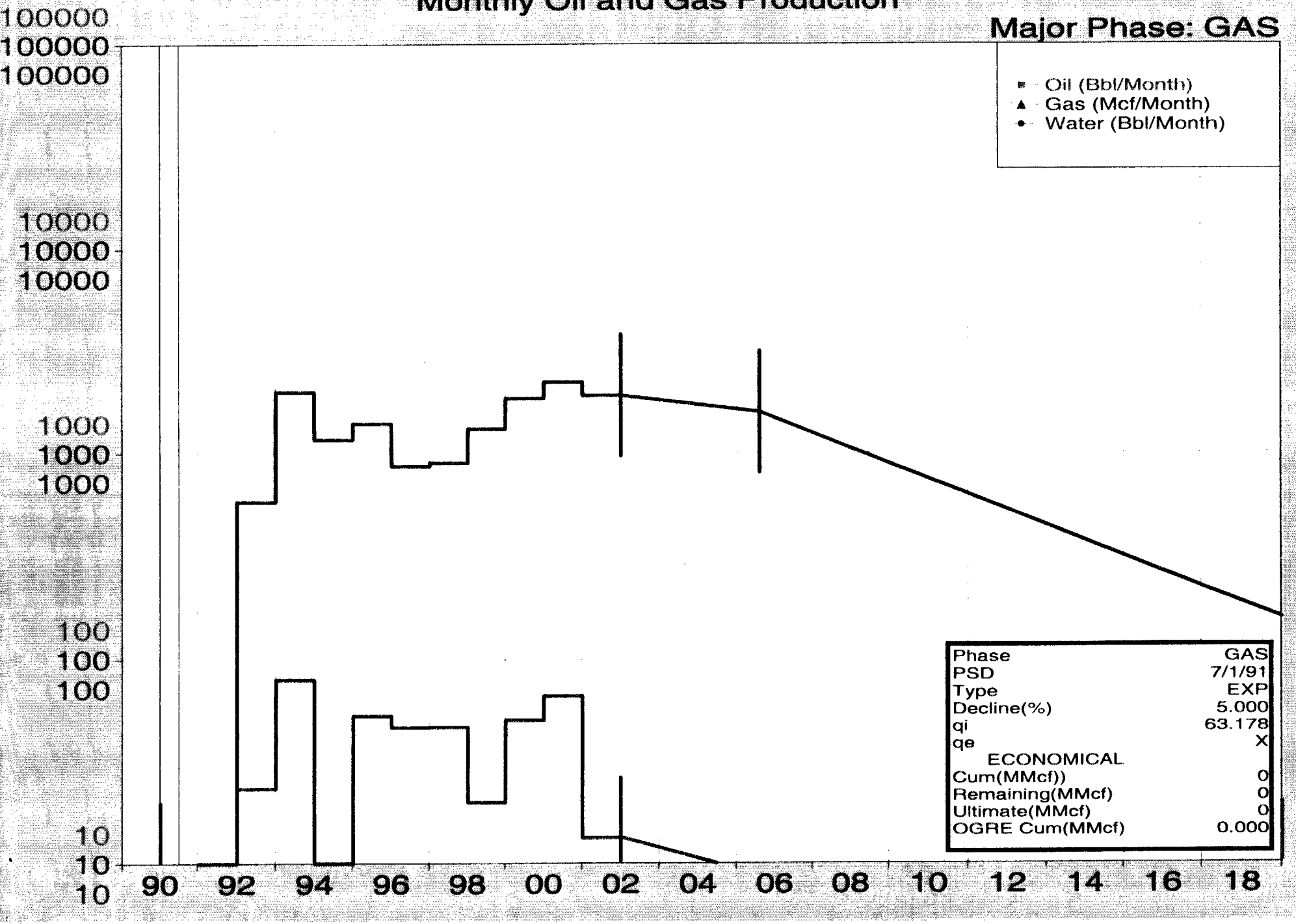
ROSA UNIT #308
31N 4W 24L

Monthly Oil and Gas Production



ROSA UNIT #309
PROPNUM 82006-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 09:46:49
FILE: FTC_COM
PROP: 79
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	6.000	.000	-6.000	-5.663
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	6.000	298.699	-304.699	-280.130
12-93	.000	92.153	.000	66.350	.00	1.52	100.747	9.984	35.483	.000	55.280	-235.394
12-94	.000	108.191	.000	77.898	.00	1.10	85.628	8.486	59.650	.000	17.492	-222.287
12-95	.000	37.341	.000	26.886	.00	1.29	34.813	3.450	30.531	.000	.832	-221.710
12-96	.000	29.770	.000	21.434	.00	1.55	33.145	3.285	43.274	.000	-13.414	-230.327
12-97	.000	22.675	.000	16.326	.00	2.16	35.284	3.497	31.334	.000	.453	-230.058
12-98	.000	25.325	.000	18.234	.00	1.73	31.594	3.131	45.434	.000	-16.971	-239.405
12-99	.000	20.503	.000	14.762	.00	1.92	28.328	2.808	34.675	.000	-9.155	-244.074
12-00	.000	27.796	.000	20.013	.00	3.29	65.810	6.522	55.211	.000	4.077	-242.149
12-01	.000	29.452	.000	21.205	.00	3.26	69.137	6.851	54.979	.000	7.307	-238.954
12-02	.000	27.360	.000	19.699	.00	3.26	64.227	6.364	46.356	.000	11.507	-234.296
12-03	.000	26.453	.000	19.046	.00	3.26	62.098	6.154	45.688	.000	10.256	-230.452
12-04	.000	25.264	.000	18.190	.00	3.26	59.307	5.878	43.416	.000	10.013	-226.977
12-05	.000	24.129	.000	17.373	.00	3.26	56.643	5.613	41.343	.000	9.687	-223.864
12-06	.000	21.887	.000	15.759	.00	3.26	51.381	5.092	39.107	.000	7.182	-221.727
12-07	.000	18.823	.000	13.553	.00	3.26	44.188	4.379	36.784	.000	3.025	-220.894
S TOT	.000	537.122	.000	386.728	.00	2.13	822.330	81.494	655.265	298.699	-213.128	-220.894
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-220.894
TOTAL	.000	537.122	.000	386.728	.00	2.13	822.330	81.494	655.265	298.699	-213.128	-220.894
CUM.	.000	.000										
ULT.	.000	537.122										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	822.330				
TOTAL REVENUES (M$)	822.330				
BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	17.000		
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	.29	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	.18	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	11/01/90	INITIAL NET GAS FRACTION	.720000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.720000		
WATER GROSS PROD. (MU)	104.461	WATER NET PRODUCTION (MU)	75.213	WATER NET REVENUES (M$)	.000

--------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-213.128	30.0	-188.450
2.0	-218.369	35.0	-180.659
5.0	-221.441	40.0	-173.311
8.0	-220.894	45.0	-166.418
10.0	-219.283	50.0	-159.960
12.0	-217.029	60.0	-148.237
15.0	-212.876	70.0	-137.912
18.0	-208.193	80.0	-128.763
20.0	-204.922	90.0	-120.614
25.0	-196.608	100.0	-113.312

```
101 ROSA UNIT #309
102 PROPNUM 82006-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	2000.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.72000000	3.650	9.000	1.0	
224	WATER	.000	.72000000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	32.	.000	.000
339	3.	58477.000	.000
340	3.	33676.000	805.000
341	3.	42357.000	2240.000
342	3.	26719.000	2000.000
343	3.	24505.000	2240.000
344	3.	14610.000	2080.000
345	3.	11738.000	1440.000
346	3.	10371.000	.000
347	3.	9530.000	.000
348	3.	5702.000	1520.000
349	3.	8330.000	2560.000
350	3.	7391.000	1760.000
351	3.	7441.000	2320.000
352	3.	6608.000	2320.000
353	3.	5881.000	1360.000
354	3.	5193.000	1510.000
355	3.	5581.000	1280.000
356	3.	6020.000	880.000
357	3.	6596.000	3134.000
358	3.	6078.000	2900.000
359	3.	7392.000	3600.000
360	3.	5259.000	720.000
361	3.	4047.000	560.000
362	3.	4918.000	1040.000
363	3.	5977.000	1505.000
364	3.	5561.000	1120.000
365	3.	4986.000	1840.000
366	3.	6759.000	3520.000
367	3.	7291.000	3250.000
368	3.	8760.000	2960.000
369	3.	7269.000	3040.000
370	3.	7045.000	2960.000
371	3.	7439.000	2400.000
372	3.	7699.000	2880.000
373	3.	7506.000	2720.000
374	3.	6708.000	1440.000
375	3.	6455.000	2000.000
376	3.	6691.000	1920.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.493	74.152	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.493	74.152	64.599	16.000	YRS	D	496.412	MMCF
411	GAS	EXP		14.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	14.000	64.599	.700	46.000	YRS	D	651.052	MMCF
420	WATER	EXP		9.693	22.827	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	9.693	22.827	.789	46.000	YRS	D	150.719	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9888 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 500 UNTIL 1995.0 AD : 1000 UNTIL 1999.0 AD THEN 1500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG

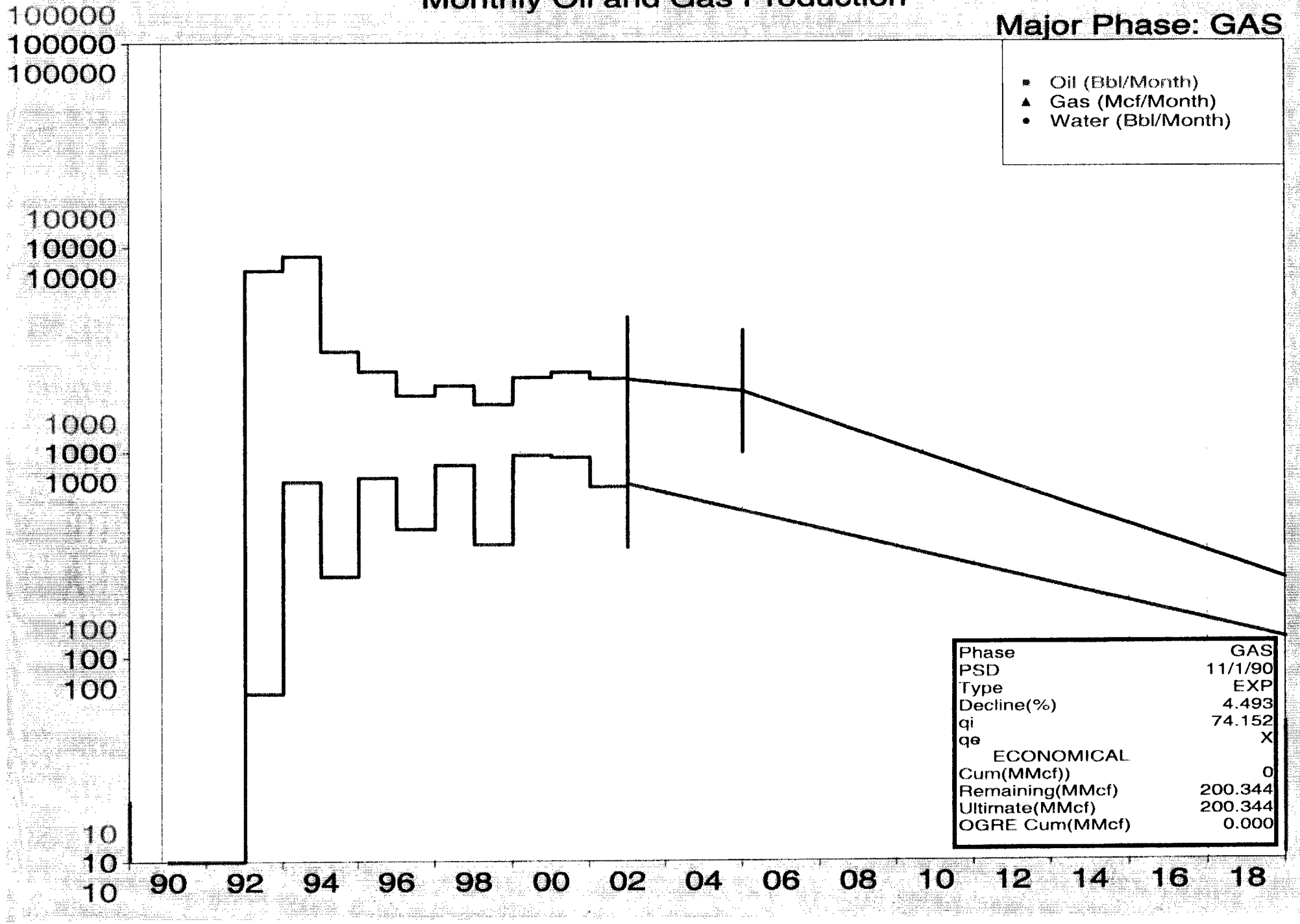
805	INVEST	1992.100	AD		G	150.000	148.699	.000	

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):        17.000
GROSS GAS      (MMCF):      537.122
GROSS WATER      (MU):      104.461
```

ROSA UNIT #309
31N 4W 26A
Monthly Oil and Gas Production



ROSA UNIT #310
PROPNUM 82007-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 09:54:44
FILE: FTC_COM
PROP: 80
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF AUGUST 1, 1990

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	.000	.000	.000	.000
12-92	.000	.000	.000	.000	.00	1.77	.000	.000	.000	303.011	-303.011	-269.628
12-93	.000	10.375	.000	7.470	.00	1.52	11.379	1.128	5.056	.000	5.195	-265.478
12-94	.000	18.474	.000	13.301	.00	1.10	14.668	1.453	8.125	.000	5.090	-261.713
12-95	.000	9.388	.000	6.759	.00	1.30	8.780	.870	14.838	.000	-6.928	-266.458
12-96	.000	11.248	.000	8.099	.00	1.55	12.565	1.245	19.164	.000	-7.844	-271.433
12-97	.000	20.252	.000	14.581	.00	2.17	31.614	3.133	23.656	.000	4.825	-268.600
12-98	.000	14.802	.000	10.657	.00	1.74	18.525	1.836	17.627	.000	-.938	-269.110
12-99	.000	19.662	.000	14.157	.00	1.93	27.255	2.701	25.980	.000	-1.426	-269.828
12-00	.000	29.811	.000	21.464	.00	3.30	70.810	7.017	31.015	.000	32.778	-254.548
12-01	.000	34.715	.000	24.995	.00	3.27	81.758	8.102	30.782	.000	42.874	-236.042
12-02	.000	20.674	.000	14.885	.00	3.27	48.688	4.825	29.583	1287.145	-1272.865	-733.025
12-03	.000	20.246	.000	14.577	.00	3.27	47.681	4.725	29.120	.000	13.836	-727.905
12-04	.000	19.234	.000	13.848	.00	3.27	45.296	4.489	28.260	.000	12.547	-723.606
12-05	.000	18.236	.000	13.130	.00	3.27	42.948	4.256	27.459	.000	11.233	-720.042
12-06	.000	16.228	.000	11.684	.00	3.27	38.218	3.788	26.416	.000	8.014	-717.688
12-07	.000	13.996	.000	10.077	.00	3.27	32.962	3.267	25.356	.000	4.339	-716.508
12-08	.000	12.071	.000	8.691	.00	3.27	28.428	2.818	24.428	.000	1.182	-716.210
S TOT	.000	289.412	.000	208.375	.00	2.70	561.575	55.653	366.865	1590.156	-1451.099	-716.210
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-716.210
TOTAL	.000	289.412	.000	208.375	.00	2.70	561.575	55.653	366.865	1590.156	-1451.099	-716.210
CUM.	.000	.000		NET OIL REVENUES (M$)			.000		---------PRESENT WORTH PROFILE---------			
				NET GAS REVENUES (M$)			561.575		DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
ULT.	.000	289.412		TOTAL REVENUES (M$)			561.575					
									.0	-1451.099	30.0	-247.826
BTAX RATE OF RETURN (PCT)		.00	PROJECT LIFE (YEARS)				18.000		2.0	-1194.916	35.0	-219.486
BTAX PAYOUT		LIFE	DISCOUNT RATE (PCT)				8.000		5.0	-912.731	40.0	-198.819
BTAX PAYOUT (DISC)		LIFE	GROSS OIL WELLS				.000		8.0	-716.210	45.0	-182.995
BTAX NET INCOME/INVEST		.09	GROSS GAS WELLS				1.000		10.0	-618.497	50.0	-170.342
BTAX NET INCOME/INVEST (DISC)		.07	GROSS WELLS				2.000		12.0	-540.430	60.0	-150.902
INITIAL W.I. FRACTION		1.000000	INITIAL NET OIL FRACTION				.000000		15.0	-450.877	70.0	-136.126
FINAL W.I. FRACTION		1.000000	FINAL NET OIL FRACTION				.000000		18.0	-385.221	80.0	-124.154
PRODUCTION START DATE		9/01/90	INITIAL NET GAS FRACTION				.720000		20.0	-351.075	90.0	-114.079
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.720000		25.0	-288.757	100.0	-105.408
WATER GROSS PROD. (MU)		20.924	WATER NET PRODUCTION (MU)				15.065		WATER NET REVENUES (M$)			.000

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101 ROSA UNIT #310
102 PROPNUM 82007-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 08 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	9/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.72000000	3.650	9.000	1.0	
224	WATER	.000	.72000000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	34.	.000	.000
320	3.	6168.000	.000
339	3.	4207.000	781.000
340	3.	5426.000	480.000
341	3.	5285.000	240.000
342	3.	4543.000	160.000
343	3.	3220.000	160.000
344	3.	2577.000	3.000
345	3.	2098.000	3.000
346	3.	2415.000	3.000
347	3.	2298.000	3.000
348	3.	1853.000	240.000
349	3.	2268.000	240.000
350	3.	3190.000	320.000
351	3.	3937.000	720.000
352	3.	4724.000	800.000
353	3.	5951.000	800.000
354	3.	5852.000	400.000
355	3.	3725.000	240.000
356	3.	3115.000	160.000
357	3.	4323.000	160.000
358	3.	3831.000	.000
359	3.	3533.000	160.000
360	3.	3967.000	320.000
361	3.	4859.000	240.000
362	3.	6379.000	120.000
363	3.	4457.000	160.000
364	3.	5900.000	320.000
365	3.	6391.000	560.000
366	3.	8317.000	280.000
367	3.	9203.000	480.000
368	3.	7934.000	120.000
369	3.	8842.000	160.000
370	3.	9358.000	480.000
371	3.	8581.000	200.000
372	3.	7675.000	80.000
373	3.	7414.000	80.000
374	3.	4243.000	1200.000
375	3.	1342.000	800.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		5.000	56.904	X	2.795	IYRS	D		
CALC	GAS	EXP	END=	5.000	56.904	49.304	15.795	YRS	D	243.484	MMCF
411	GAS	EXP		13.754	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	13.754	49.304	.582	45.795	YRS	D	363.669	MMCF
420	WATER	EXP		11.070	5.884	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	11.070	5.884	.123	46.000	YRS	D	29.598	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.992 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1995.0 AD : 1000 UNTIL 1999.0 AD THEN 1500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG

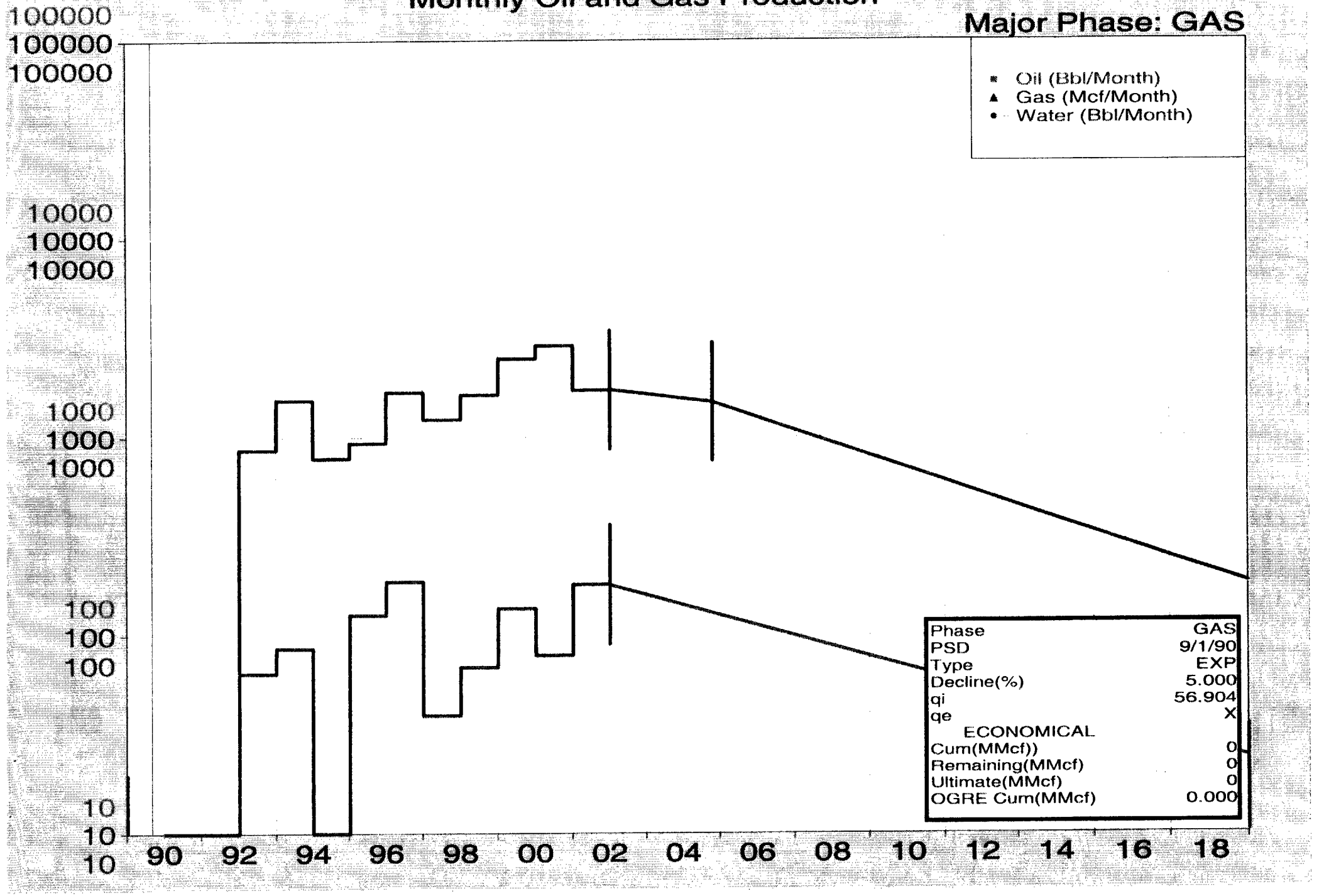
```
805     INVEST      1992.100    AD          G        208.249      94.762        .000
806 ! HORIZONTAL SIDETRACK
806     INVEST      2002.800    AD          G        487.000     800.145        .000

853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          18.000
GROSS GAS     (MMCF):         289.412
GROSS WATER     (MU):          20.924
```

ROSA UNIT #310
31N 4W 26N
Monthly Oil and Gas Production



ROSA UNIT #311
PROPNUM 81249-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 05:10:14
FILE: PTC_COM
PROP: 81
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.54	.000	.000	6.000	335.000	-341.000	-331.760
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	6.000	.000	-6.000	-337.004
12-93	.000	16.822	.000	14.719	.00	1.52	22.377	2.218	12.101	.000	8.058	-330.483
12-94	.000	14.691	.000	12.855	.00	1.10	14.148	1.402	11.371	.000	1.375	-329.453
12-95	.000	20.507	.000	17.944	.00	1.30	23.263	2.306	19.438	.000	1.519	-328.399
12-96	.000	20.327	.000	17.786	.00	1.55	27.537	2.729	19.948	.000	4.860	-325.277
12-97	.000	33.622	.000	29.419	.00	2.16	63.657	6.308	25.595	.000	31.754	-306.389
12-98	.000	39.771	.000	34.800	.00	1.73	60.370	5.982	27.025	.000	27.363	-291.318
12-99	.000	33.532	.000	29.341	.00	1.92	56.373	5.587	30.162	.000	20.624	-280.800
12-00	.000	35.284	.000	30.874	.00	3.29	101.648	10.073	30.797	.000	60.778	-252.101
12-01	.000	36.027	.000	31.524	.00	3.26	102.906	10.198	31.067	.000	61.641	-225.151
12-02	.000	31.696	.000	27.734	.00	3.26	90.534	8.972	29.496	.000	52.066	-204.073
12-03	.000	29.686	.000	25.975	.00	3.26	84.792	8.403	28.767	.000	47.622	-186.222
12-04	.000	27.076	.000	23.692	.00	3.26	77.340	7.665	27.820	.000	41.855	-171.695
12-05	.000	24.697	.000	21.610	.00	3.26	70.543	6.991	26.958	.000	36.594	-159.935
12-06	.000	22.525	.000	19.709	.00	3.26	64.338	6.375	26.170	.000	31.793	-150.475
12-07	.000	20.546	.000	17.978	.00	3.26	58.687	5.816	25.452	.000	27.419	-142.921
12-08	.000	18.740	.000	16.398	.00	3.26	53.529	5.305	24.797	.000	23.427	-136.945
12-09	.000	17.092	.000	14.956	.00	3.26	48.822	4.838	24.199	.000	19.785	-132.272
12-10	.000	15.590	.000	13.641	.00	3.26	44.529	4.413	23.654	.000	16.462	-128.671
12-11	.000	14.220	.000	12.443	.00	3.26	40.619	4.026	23.158	.000	13.435	-125.950
12-12	.000	12.970	.000	11.349	.00	3.26	37.047	3.671	22.704	.000	10.672	-123.949
12-13	.000	11.829	.000	10.350	.00	3.26	33.786	3.348	22.290	.000	8.148	-122.534
12-14	.000	10.790	.000	9.441	.00	3.26	30.819	3.054	21.914	.000	5.851	-121.593
12-15	.000	9.842	.000	8.612	.00	3.26	28.113	2.786	21.570	.000	3.757	-121.034
12-16	.000	8.976	.000	7.854	.00	3.26	25.638	2.540	21.256	.000	1.842	-120.780
12-17	.000	8.188	.000	7.165	.00	3.26	23.389	2.318	20.970	.000	.101	-120.767
S TOT	.000	535.046	.000	468.169	.00	2.74	1284.804	127.324	610.679	335.000	211.801	-120.767
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-120.767
TOTAL	.000	535.046	.000	468.169	.00	2.74	1284.804	127.324	610.679	335.000	211.801	-120.767
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				1284.804				
ULT.	.000	535.046		TOTAL REVENUES (M$)				1284.804				

BTAX RATE OF RETURN (PCT)	4.09	PROJECT LIFE (YEARS)	27.000		*PRESENT WORTH PROFILE*			
BTAX PAYOUT	09/13/2004	DISCOUNT RATE (PCT)	8.000		DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000		.0	211.801	30.0	-281.537
BTAX NET INCOME/INVEST	1.63	GROSS GAS WELLS	1.000		2.0	88.591	35.0	-286.237
BTAX NET INCOME/INVEST (DISC)	.63	GROSS WELLS	1.000		5.0	-38.438	40.0	-288.143
					8.0	-120.767	45.0	-288.364
					10.0	-159.477	50.0	-287.542
					12.0	-189.134	60.0	-284.232
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		15.0	-221.429	70.0	-279.914
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		18.0	-243.554	80.0	-275.285
PRODUCTION START DATE	10/01/90	INITIAL NET GAS FRACTION	.875000		20.0	-254.338	90.0	-270.649
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		25.0	-272.095	100.0	-266.138
WATER GROSS PROD. (MU)	1.047	WATER NET PRODUCTION (MU)	.000		WATER NET REVENUES (M$)		.000	

CASE NAME: ROSA UNIT #311 -TEST -1PDP-RLG-1554.01 -BASIN

```
101 ROSA UNIT #311
102 PROPNUM 81249-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
   120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3600.00	1.000	GAS	10/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

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300 SERIES LINES:
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	MAN	GAS	WATER
310	FACT	1.000	1.000
320	27.	.000	.000
325	3.	3737.000	.000
326	3.	7115.000	.000
327	3.	5970.000	.000
328	3.	.000	.000
329	3.	.000	.000
330	3.	6326.000	.000
331	3.	4612.000	12.000
332	3.	3753.000	5.000
333	3.	6515.000	.000
334	3.	5766.000	.000
335	3.	5264.000	.000
336	3.	2962.000	.000
337	3.	5981.000	30.000
338	3.	4149.000	30.000
339	3.	.000	10.000
340	3.	10197.000	160.000
341	3.	9332.000	480.000
342	3.	8871.000	80.000
343	3.	7093.000	.000
344	3.	8326.000	.000
345	3.	8024.000	160.000
346	3.	9240.000	80.000
347	3.	12705.000	.000
348	3.	9802.000	.000
349	3.	8551.000	.000
350	3.	8348.000	.000
351	3.	8651.000	.000
352	3.	7982.000	.000
353	3.	8451.000	.000
354	3.	10087.000	.000
355	3.	8975.000	.000
356	3.	7771.000	.000
357	3.	8980.000	.000
358	3.	9356.000	.000
359	3.	8799.000	.000
360	3.	8892.000	.000
361	3.	9250.000	.000
362	3.	7359.000	.000
363	3.	7575.000	.000
364	3.	7512.000	.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		8.790	85.130	X	30.000	YRS	D		
CALC	GAS	EXP	END=	8.790	85.130	16.628	30.750	YRS	D	554.037	MMCF

```
600 SERIES LINES:
----------------
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 500 UNTIL 1995.0 AD : 1000 UNTIL 1999.0 AD THEN 1500 LIFE

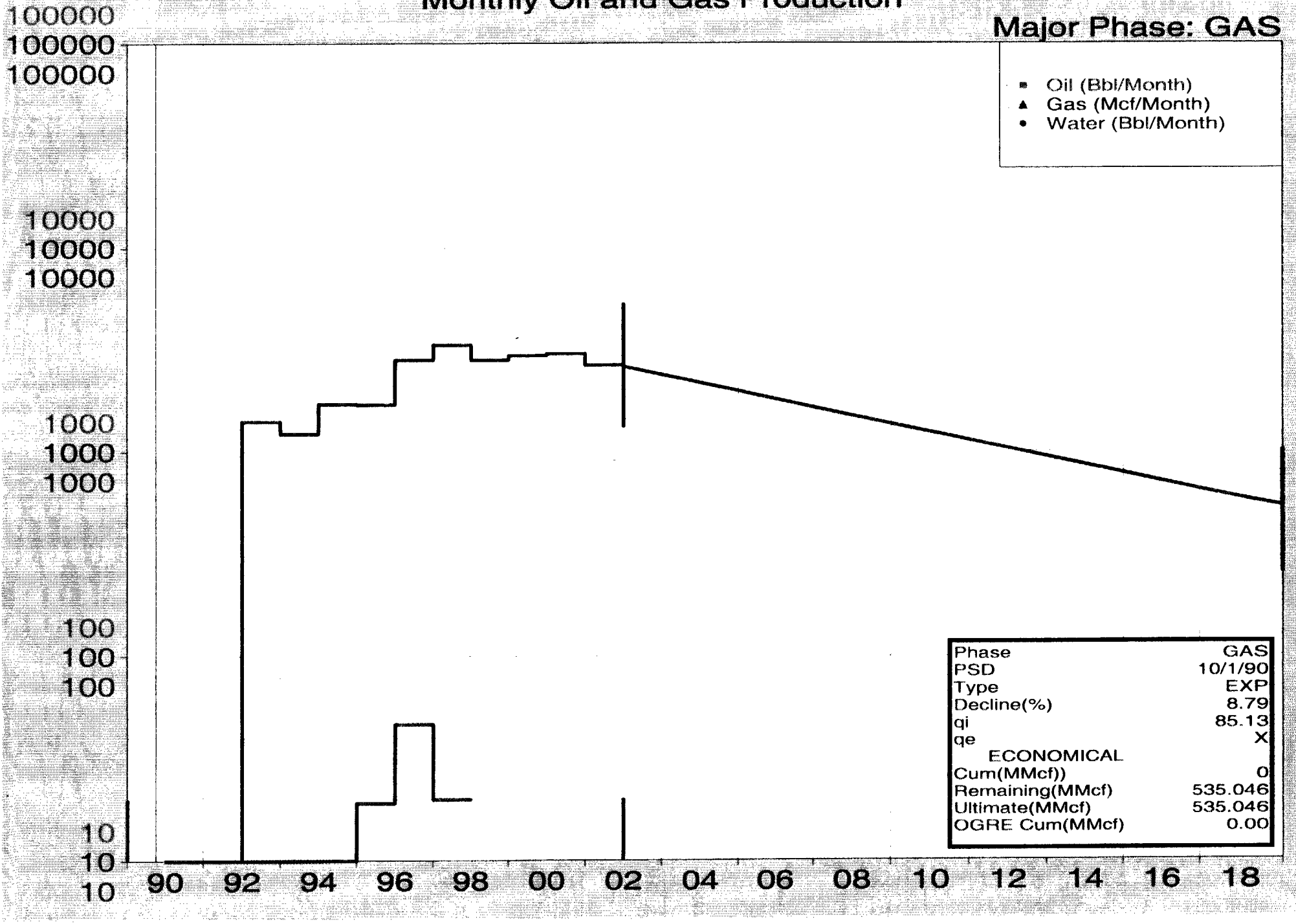
629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.100	AD	G	170.000	165.000	.000		

```
ASE $GATHNET88
OMPUTE GASC = GASC / WI
OMPUTE GASC = GASC * NIG

                                27.000
OMIC LIFE   (YRS):             535.046
S GAS       (MMCF):              1.047
S WATER     (MU):
```

ROSA UNIT #311
31N 4W 28H
Monthly Oil and Gas Production



ROSA UNIT #312
PROPNUM 81799-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 10:08:45
FILE: FTC_COM
PROP: 82
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

R E S E R V E S A N D E C O N O M I C S

WILLIAMS PROD CO

AS OF JUNE 1, 1991

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-92	.000	.000	.000	.000	.00	1.77	.000	.000	.000	355.000	-355.000	-336.813
12-93	.000	.000	.000	.000	.00	1.52	.000	.000	.000	.000	.000	-336.813
12-94	.000	.000	.000	.000	.00	1.10	.000	.000	.000	.000	.000	-336.813
12-95	.000	.378	.000	.331	.00	1.30	.430	.043	.580	.000	-.193	-336.954
12-96	.000	.058	.000	.051	.00	1.55	.079	.008	.021	.000	.050	-336.920
12-97	.000	.000	.000	.000	.00	2.17	.000	.000	1.800	.000	-1.800	-338.047
12-98	.000	43.741	.000	38.273	.00	1.74	66.529	6.593	48.697	.000	11.239	-331.531
12-99	.000	62.709	.000	54.870	.00	1.93	105.636	10.468	40.790	.000	54.378	-302.340
12-00	.000	35.072	.000	30.688	.00	3.30	101.240	10.033	30.746	.000	60.461	-272.288
12-01	.000	32.889	.000	28.778	.00	3.27	94.132	9.329	29.953	.000	54.850	-247.044
12-02	.000	29.640	.000	25.935	.00	3.27	84.833	8.407	28.772	.000	47.654	-226.737
12-03	.000	28.126	.000	24.610	.00	3.27	80.499	7.978	28.222	.000	44.299	-209.258
12-04	.000	26.700	.000	23.363	.00	3.27	76.420	7.573	27.704	.000	41.143	-194.227
12-05	.000	25.347	.000	22.179	.00	3.27	72.547	7.189	27.212	.000	38.146	-181.323
12-06	.000	24.061	.000	21.053	.00	3.27	68.864	6.825	26.745	.000	35.294	-170.268
12-07	.000	22.842	.000	19.987	.00	3.27	65.377	6.479	26.302	.000	32.596	-160.814
12-08	.000	21.683	.000	18.973	.00	3.27	62.060	6.150	25.880	.000	30.030	-152.750
12-09	.000	20.584	.000	18.011	.00	3.27	58.913	5.838	25.481	.000	27.594	-145.889
12-10	.000	19.541	.000	17.098	.00	3.27	55.927	5.542	25.102	.000	25.283	-140.068
12-11	.000	18.549	.000	16.230	.00	3.27	53.088	5.261	24.741	.000	23.086	-135.147
12-12	.000	17.610	.000	15.409	.00	3.27	50.402	4.995	24.400	.000	21.007	-131.001
12-13	.000	16.716	.000	14.627	.00	3.27	47.844	4.741	24.075	.000	19.028	-127.523
12-14	.000	15.869	.000	13.885	.00	3.27	45.417	4.501	23.767	.000	17.149	-124.621
12-15	.000	15.064	.000	13.181	.00	3.27	43.115	4.272	23.475	.000	15.368	-122.213
12-16	.000	14.301	.000	12.513	.00	3.27	40.930	4.056	23.197	.000	13.677	-120.229
12-17	.000	13.576	.000	11.879	.00	3.27	38.856	3.851	22.934	.000	12.071	-118.607
12-18	.000	12.887	.000	11.276	.00	3.27	36.883	3.655	22.684	.000	10.544	-117.295
12-19	.000	12.234	.000	10.705	.00	3.27	35.016	3.470	22.446	.000	9.100	-116.247
12-20	.000	11.614	.000	10.162	.00	3.27	33.240	3.294	22.221	.000	7.725	-115.423
12-21	.000	4.663	.000	4.080	.00	3.27	13.346	1.322	9.195	.000	2.829	-115.137
S TOT	.000	546.454	.000	478.147	.00	2.99	1431.623	141.873	637.142	355.000	297.608	-115.137
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-115.137
TOTAL	.000	546.454	.000	478.147	.00	2.99	1431.623	141.873	637.142	355.000	297.608	-115.137
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			1431.623					
ULT.	.000	546.454		TOTAL REVENUES (M$)			1431.623					

BTAX RATE OF RETURN (PCT)	4.61	PROJECT LIFE (YEARS)	29.417		
BTAX PAYOUT	02/20/2006	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	1.84	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	.66	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	6/01/91	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	9.217	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000

---PRESENT WORTH PROFILE---

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	297.608	30.0	-270.385
2.0	136.087	35.0	-271.299
5.0	-20.386	40.0	-269.661
8.0	-115.137	45.0	-266.602
10.0	-157.399	50.0	-262.755
12.0	-188.516	60.0	-254.043
15.0	-220.789	70.0	-245.074
18.0	-241.503	80.0	-236.408
20.0	-250.970	90.0	-228.239
25.0	-264.897	100.0	-220.619

CASE NAME: ROSA UNIT #312 -TEST -1PDP-RLG-1678.01 -BASIN

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101 ROSA UNIT #312
102 PROPNUM 81799-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 91 12 06 01 1991 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3600.00	1.000	GAS	6/01/1991

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

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300 SERIES LINES:
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	MAN	GAS	WATER
310	FACT	1.000	1.000
320	52.	.000	.000
325	3.	378.000	177.000
326	3.	2.000	.000
327	3.	56.000	.000
328	3.	.000	.000
329	3.	.000	.000
330	3.	.000	.000
331	3.	.000	640.000
332	3.	.000	80.000
333	3.	.000	.000
334	3.	1199.000	4000.000
335	3.	8012.000	2400.000
336	3.	13355.000	1360.000
337	3.	21175.000	560.000
338	3.	17811.000	.000
339	3.	14212.000	.000
340	3.	16806.000	.000
341	3.	13880.000	.000
342	3.	9361.000	.000
343	3.	9382.000	.000
344	3.	8564.000	.000
345	3.	7765.000	.000
346	3.	8709.000	.000
347	3.	8310.000	.000
348	3.	8490.000	.000
349	3.	7380.000	.000
350	3.	5616.000	.000
351	3.	7939.000	.000
352	3.	8048.000	.000
353	3.	8037.000	.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		5.070	79.080	X	30.000	YRS	D		
CALC	GAS	EXP	END=	5.070	79.080	30.333	30.417	YRS	D	546.454	MMCF

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600 SERIES LINES:
-----------------
602 DATA BTU : 0.992 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1998.0 AD : 1000 UNTIL 1999.0 AD THEN 1500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1992.100	AD	G	180.000	175.000	.000		

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853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG
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ROSA UNIT #313
EROPNUM 81800-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 10:10:34
FILE: FTC_COM
PROP: 83
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1991

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-92	.000	.000	.000	.000	.00	1.76	.000	.000	3.000	152.786	-155.786	-151.557
12-93	.000	.000	.000	.000	.00	1.52	.000	.000	3.000	.000	-3.000	-154.179
12-94	.000	34.231	.000	14.035	.00	1.10	15.446	1.531	10.441	.000	3.474	-151.368
12-95	.000	18.278	.000	7.494	.00	1.30	9.715	.962	13.842	.000	-5.089	-155.181
12-96	.000	5.523	.000	2.264	.00	1.55	3.505	.347	9.839	.000	-6.681	-159.816
12-97	.000	4.119	.000	1.689	.00	2.16	3.655	.362	13.869	.000	-10.576	-166.610
12-98	.000	10.589	.000	4.341	.00	1.73	7.531	.747	15.675	.000	-8.891	-171.899
12-99	.000	6.023	.000	2.469	.00	1.92	4.744	.470	14.924	.000	-10.650	-177.765
12-00	.000	8.348	.000	3.423	.00	3.29	11.270	1.117	18.069	.000	-7.916	-181.802
12-01	.000	22.978	.000	9.421	.00	3.26	30.754	3.048	20.505	.000	7.201	-178.402
12-02	.000	35.395	.000	14.512	.00	3.26	47.373	4.695	21.315	.000	21.363	-169.062
12-03	.000	38.902	.000	15.950	.00	3.26	52.067	5.160	21.455	.000	25.452	-158.758
12-04	.000	42.718	.000	17.514	.00	3.26	57.172	5.665	21.376	.000	30.131	-147.464
12-05	.000	41.535	.000	17.029	.00	3.26	55.589	5.509	20.539	.000	29.541	-137.211
12-06	.000	39.458	.000	16.178	.00	3.26	52.811	5.234	19.630	.000	27.947	-128.230
12-07	.000	37.486	.000	15.369	.00	3.26	50.170	4.972	18.807	.000	26.391	-120.377
12-08	.000	35.317	.000	14.480	.00	3.26	47.268	4.684	18.011	.000	24.573	-113.607
12-09	.000	30.420	.000	12.472	.00	3.26	40.713	4.034	16.804	.000	19.875	-108.537
12-10	.000	25.552	.000	10.476	.00	3.26	34.198	3.389	15.651	.000	15.158	-104.956
12-11	.000	21.464	.000	8.800	.00	3.26	28.727	2.846	14.668	.000	11.213	-102.504
12-12	.000	18.030	.000	7.392	.00	3.26	24.130	2.392	13.833	.000	7.905	-100.903
12-13	.000	15.145	.000	6.209	.00	3.26	20.269	2.008	13.123	.000	5.138	-99.940
12-14	.000	12.722	.000	5.216	.00	3.26	17.027	1.687	12.518	.000	2.822	-99.450
12-15	.000	10.687	.000	4.382	.00	3.26	14.304	1.417	12.004	.000	.883	-99.308
S TOT	.000	514.920	.000	211.115	.00	2.98	628.438	62.276	362.898	152.786	50.478	-99.308
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-99.308
TOTAL	.000	514.920	.000	211.115	.00	2.98	628.438	62.276	362.898	152.786	50.478	-99.308
CUM.	.000	.000										
ULT.	.000	514.920										

		NET OIL REVENUES (M$)	.000		
		NET GAS REVENUES (M$)	628.438		
		TOTAL REVENUES (M$)	628.438		
BTAX RATE OF RETURN (PCT)	1.72	PROJECT LIFE (YEARS)	24.000		
BTAX PAYOUT	08/18/2009	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	1.33	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	.33	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.500000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.500000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	11/01/91	INITIAL NET GAS FRACTION	.410000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.410000		
WATER GROSS PROD. (MU)	71.507	WATER NET PRODUCTION (MU)	29.317	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	50.478	30.0	-145.327
2.0	-8.051	35.0	-144.071
5.0	-65.181	40.0	-142.315
8.0	-99.308	45.0	-140.378
10.0	-114.058	50.0	-138.416
12.0	-124.514	60.0	-134.671
15.0	-134.695	70.0	-131.273
18.0	-140.545	80.0	-128.223
20.0	-142.876	90.0	-125.473
25.0	-145.399	100.0	-122.972

```
101 ROSA UNIT #313
102 PROPNUM 81800-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 91 12 10 01 1991 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.50000000	.00	3500.00	1.000	GAS	11/01/1991

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.41000000	3.650	9.000	1.0	
224	WATER	.000	.41000000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	26.	.000	.000
341	3.	10466.000	1298.000
342	3.	7309.000	.000
343	3.	8257.000	.000
344	3.	8199.000	.000
345	3.	6068.000	.000
346	3.	7585.000	1611.000
347	3.	4625.000	1629.000
348	3.	.000	549.000
349	3.	.000	.000
350	3.	2688.000	720.000
351	3.	2630.000	1520.000
352	3.	205.000	80.000
353	3.	1043.000	2000.000
354	3.	709.000	1600.000
355	3.	1023.000	800.000
356	3.	1344.000	1335.000
357	3.	1407.000	2560.000
358	3.	1319.000	1840.000
359	3.	4613.000	1500.000
360	3.	3250.000	400.000
361	3.	7.000	240.000
362	3.	1497.000	400.000
363	3.	3227.000	2240.000
364	3.	1292.000	1040.000
365	3.	332.000	440.000
366	3.	2069.000	1120.000
367	3.	2664.000	2560.000
368	3.	3283.000	2000.000
369	3.	3879.000	1520.000
370	3.	5214.000	1520.000
371	3.	6594.000	1520.000
372	3.	7291.000	1520.000
373	3.	7252.000	1200.000
374	3.	8326.000	1360.000
375	3.	9794.000	1200.000
376	3.	10023.000	1280.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-11.814	100.740	X	1.534	IYRS	D		
CALC	GAS	EXP	END=	-11.814	100.740	119.563	13.534	YRS	D	207.008	MMCF
411	GAS	EXP		5.000	LAST	X	4.093	IYRS	D		
CALC	GAS	EXP	END=	5.000	119.563	96.921	17.627	YRS	D	368.124	MMCF
412	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	96.921	.519	47.627	YRS	D	569.938	MMCF
420	WATER	EXP		12.433	13.676	X	36.000	IYRS	D		
CALC	WATER	EXP	END=	12.433	13.676	.115	48.000	YRS	D	77.884	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 500 UNTIL 1995.0 AD : 1000 UNTIL 1999.0 AD THEN 1500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG

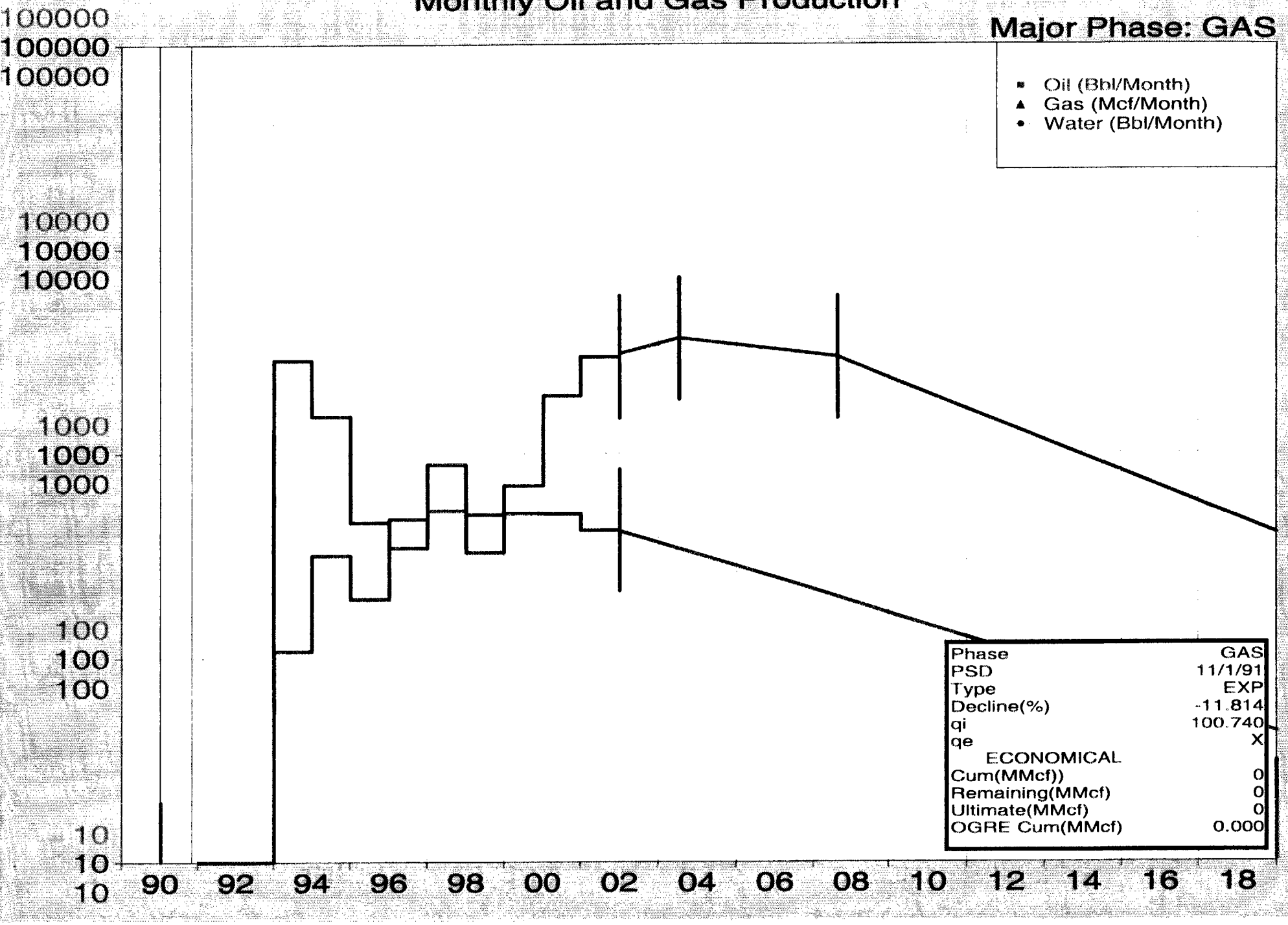
```
805     INVEST      1992.100    AD          G       200.572     105.000        .000

853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          24.000
GROSS GAS      (MMCF):        514.920
GROSS WATER      (MU):         71.507
```

ROSA UNIT #313
31N 4W 29M
Monthly Oil and Gas Production



ROSA UNIT #315
PROPNUM 81801-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 10:11:54
FILE: FTC_COM
PROP: 84
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1992

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-93	.000	5.956	.000	5.212	.00	1.52	7.924	.785	14.530	326.000	-333.391	-324.312
12-94	.000	13.866	.000	12.133	.00	1.10	13.353	1.324	11.029	.000	1.000	-323.438
12-95	.000	2.722	.000	2.382	.00	1.30	3.088	.306	15.610	.000	-12.828	-333.819
12-96	.000	.648	.000	.567	.00	1.55	.878	.087	21.035	.000	-20.244	-348.988
12-97	.000	.252	.000	.221	.00	2.16	.478	.047	28.691	.000	-28.260	-368.595
12-98	.000	5.283	.000	4.623	.00	1.73	8.020	.795	23.566	.000	-16.341	-379.093
12-99	.000	21.868	.000	19.135	.00	1.92	36.764	3.644	26.531	491.550	-484.961	-660.887
12-00	.000	51.170	.000	44.774	.00	3.29	147.412	14.608	36.559	.000	96.245	-607.879
12-01	.000	43.751	.000	38.282	.00	3.26	124.967	12.384	33.868	.000	78.715	-567.737
12-02	.000	35.293	.000	30.881	.00	3.26	100.807	9.990	30.801	.000	60.016	-539.398
12-03	.000	33.018	.000	28.891	.00	3.26	94.311	9.346	29.976	.000	54.989	-515.356
12-04	.000	28.540	.000	24.973	.00	3.26	81.521	8.079	28.351	.000	45.091	-497.102
12-05	.000	24.670	.000	21.586	.00	3.26	70.465	6.983	26.948	.000	36.534	-483.408
12-06	.000	21.325	.000	18.659	.00	3.26	60.910	6.036	25.735	.000	29.139	-473.295
12-07	.000	18.434	.000	16.130	.00	3.26	52.654	5.218	24.686	.000	22.750	-465.984
12-08	.000	15.933	.000	13.941	.00	3.26	45.509	4.510	23.779	.000	17.220	-460.860
12-09	.000	13.774	.000	12.052	.00	3.26	39.342	3.899	22.996	.000	12.447	-457.431
12-10	.000	11.905	.000	10.417	.00	3.26	34.005	3.369	22.318	.000	8.318	-455.309
12-11	.000	10.291	.000	9.005	.00	3.26	29.396	2.914	21.733	.000	4.749	-454.187
12-12	.000	8.896	.000	7.784	.00	3.26	25.410	2.518	21.227	.000	1.665	-453.823
S TOT	.000	367.595	.000	321.648	.00	3.04	977.214	96.842	489.969	817.550	-427.147	-453.823
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-453.823
TOTAL	.000	367.595	.000	321.648	.00	3.04	977.214	96.842	489.969	817.550	-427.147	-453.823
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
				NET GAS REVENUES (M$)			977.214					
ULT.	.000	367.595		TOTAL REVENUES (M$)			977.214					

BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	20.000		
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	.48	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	.25	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/92	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	17.857	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000

---PRESENT WORTH PROFILE---

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-427.147	30.0	-370.955
2.0	-445.294	35.0	-355.421
5.0	-455.596	40.0	-342.094
8.0	-453.823	45.0	-330.668
10.0	-448.834	50.0	-320.842
12.0	-442.089	60.0	-304.909
15.0	-430.193	70.0	-292.569
18.0	-417.486	80.0	-282.675
20.0	-409.020	90.0	-274.494
25.0	-388.884	100.0	-267.533

```
101 ROSA UNIT #315
102 PROPNUM 81801-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
   120 1 92 12 10 01 1992 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3600.00	1.000	GAS	10/01/1992

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	12.	.000	.000
325	3.	5956.000	2548.000
326	3.	4041.000	.000
327	3.	5359.000	.000
328	3.	2627.000	.000
329	3.	1839.000	.000
330	3.	1639.000	446.000
331	3.	1083.000	451.000
332	3.	.000	152.000
333	3.	.000	.000
334	3.	.000	160.000
335	3.	.000	80.000
336	3.	47.000	1120.000
337	3.	601.000	2160.000
338	3.	.000	3680.000
339	3.	.000	2960.000
340	3.	.000	.000
341	3.	252.000	.000
342	3.	3130.000	.000
343	3.	548.000	2660.000
344	3.	540.000	880.000
345	3.	1065.000	320.000
346	3.	858.000	.000
347	3.	490.000	80.000
348	3.	3766.000	.000
349	3.	16754.000	160.000
350	3.	14424.000	.000
351	3.	13736.000	.000
352	3.	13047.000	.000
353	3.	9963.000	.000
354	3.	10827.000	.000
355	3.	11748.000	.000
356	3.	10912.000	.000
357	3.	10264.000	.000
358	3.	8700.000	.000
359	3.	9156.000	.000
360	3.	8502.000	.000
361	3.	8935.000	.000

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
411	GAS	EXP	13.560	97.210	X	30.000	YRS	D		
CALC	GAS	EXP	END= 13.560	97.210	5.468	30.750	YRS	D	410.605	MMCF

600 SERIES LINES:

```
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 500 UNTIL 1995.0 AD : 1000 UNTIL 1999.0 AD THEN 1500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT	(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1993.100 AD	G	126.000	200.000	.000		
806	! RECAV / SIDETRACK							
806	INVEST	1999.800 AD	G	331.700	159.850	.000		

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   853 CASE $GATHNET88
-  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

   ECONOMIC LIFE  (YRS):          20.000
   GROSS GAS      (MMCF):        367.595
-  GROSS WATER      (MU):         17.857
```
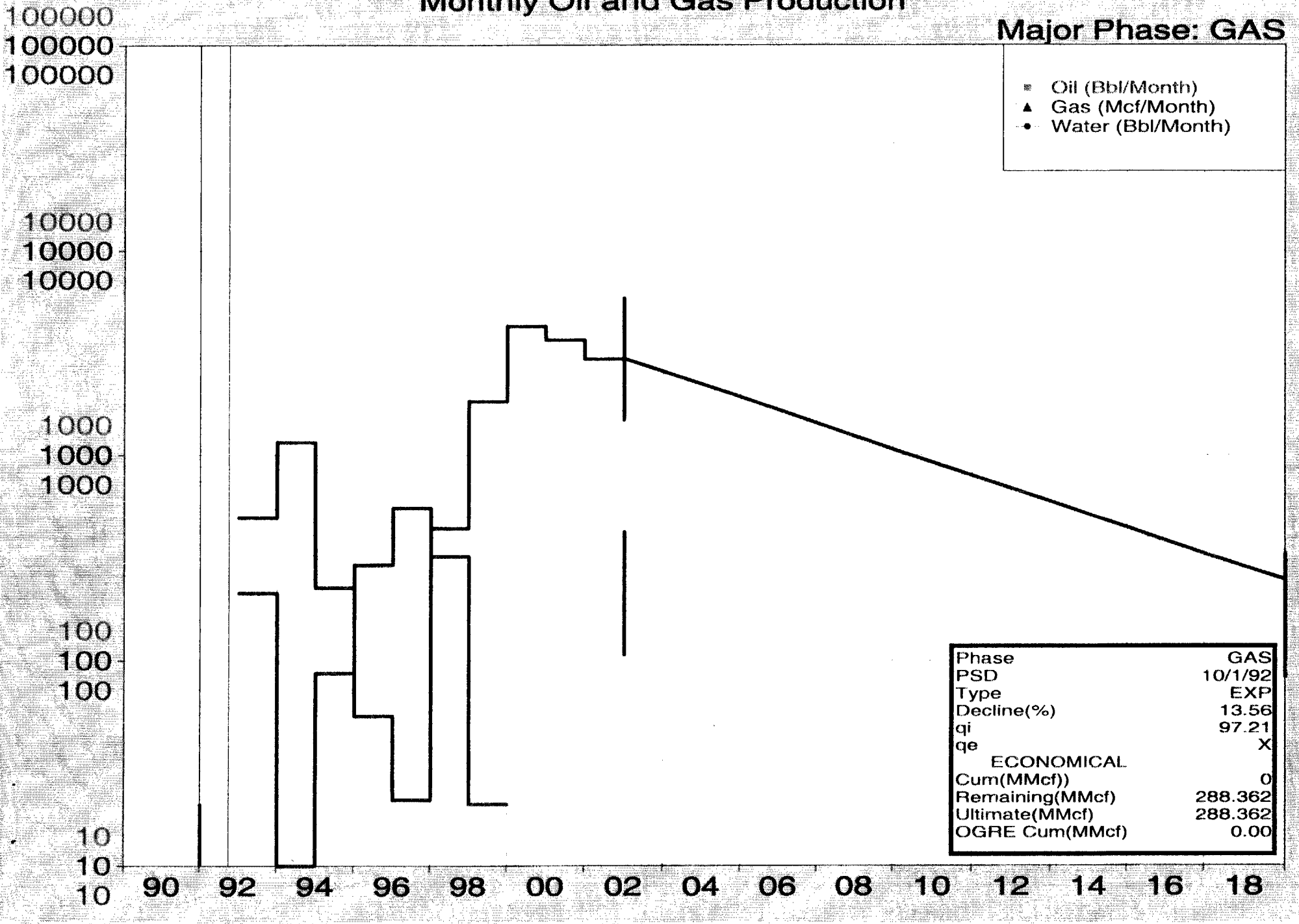

ROSA UNIT #315
31N 4W 30K
Monthly Oil and Gas Production



ROSA UNIT #332
PROPNUM 81430-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 05:23:08
FILE: FTC_COM
PROP: 86
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1990

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	.000	.000	.00	1.51	.000	.000	.000	72.100	-72.100	-65.993
12-92	.000	.000	.000	.000	.00	1.73	.000	.000	.000	.000	.000	-65.993
12-93	.000	.000	.000	.000	.00	1.49	.000	.000	.000	.000	.000	-65.993
12-94	.000	.000	.000	.000	.00	1.08	.000	.000	.000	.000	.000	-65.993
12-95	.000	.000	.000	.000	.00	1.27	.000	.000	.000	.000	.000	-65.993
12-96	.000	.000	.000	.000	.00	1.52	.000	.000	.000	.000	.000	-65.993
12-97	.000	.000	.000	.000	.00	2.12	.000	.000	.000	.000	.000	-65.993
12-98	.000	.786	.000	.158	.00	1.70	.269	.026	4.434	.000	-4.191	-68.301
12-99	.000	36.155	.000	7.276	.00	1.88	13.708	1.359	14.723	51.622	-53.996	-95.838
12-00	.000	40.735	.000	8.198	.00	3.23	26.467	2.623	16.534	.000	7.310	-92.386
12-01	.000	71.418	.000	14.373	.00	3.20	46.009	4.560	19.573	.000	21.876	-82.821
12-02	.000	39.927	.000	8.035	.00	3.20	25.721	2.549	16.560	.000	6.612	-80.144
12-03	.000	39.990	.000	8.048	.00	3.20	25.762	2.553	16.336	.000	6.873	-77.568
12-04	.000	38.416	.000	7.731	.00	3.20	24.747	2.452	15.343	.000	6.952	-75.155
12-05	.000	36.906	.000	7.427	.00	3.20	23.774	2.356	14.476	.000	6.942	-72.924
12-06	.000	34.027	.000	6.848	.00	3.20	21.921	2.172	13.603	.000	6.146	-71.095
12-07	.000	30.077	.000	6.053	.00	3.20	19.376	1.920	12.730	.000	4.726	-69.793
12-08	.000	26.585	.000	5.350	.00	3.20	17.126	1.697	11.972	.000	3.457	-68.911
12-09	.000	23.499	.000	4.729	.00	3.20	15.138	1.500	11.313	.000	2.325	-68.362
12-10	.000	20.770	.000	4.180	.00	3.20	13.380	1.326	10.741	.000	1.313	-68.075
12-11	.000	18.359	.000	3.695	.00	3.20	11.828	1.173	10.244	.000	.411	-67.992
S TOT	.000	457.650	.000	92.101	.00	3.10	285.226	28.266	188.582	123.723	-55.345	-67.992
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-67.992
TOTAL	.000	457.650	.000	92.101	.00	3.10	285.226	28.266	188.582	123.723	-55.345	-67.992
CUM.	.000	.000										
ULT.	.000	457.650										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	285.226				
TOTAL REVENUES (M$)	285.226				

BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	21.000		
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	.55	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	.26	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	11/01/90	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	99.661	WATER NET PRODUCTION (MU)	20.060		

---------PRESENT WORTH PROFILE---------			
DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-55.344	30.0	-56.344
2.0	-61.625	35.0	-53.459
5.0	-66.458	40.0	-50.854
8.0	-67.992	45.0	-48.507
10.0	-67.946	50.0	-46.388
12.0	-67.379	60.0	-42.706
15.0	-65.933	70.0	-39.611
18.0	-64.111	80.0	-36.956
20.0	-62.803	90.0	-34.646
25.0	-59.493	100.0	-32.610

WATER NET REVENUES (M$) .000

CASE NAME: ROSA UNIT #322 -TEST -1PDP-RLG-1621.01 -BASIN

```
101 ROSA UNIT #322
102 PROPNUM 81430-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 90 12 10 01 1990 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	.23000000	.00	2500.00	1.000	GAS	11/01/1990

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.20125000	3.650	9.000	1.0	
224	WATER	.000	.20125000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	92.	.000	.000
320	3.	281.000	160.000
359	3.	505.000	240.000
360	3.	.000	80.000
361	3.	718.000	320.000
362	3.	20787.000	5020.000
363	3.	14650.000	3040.000
364	3.	11390.000	2760.000
365	3.	9644.000	2960.000
366	3.	11242.000	2480.000
367	3.	8459.000	2760.000
368	3.	9419.000	2840.000
369	3.	19683.000	2960.000
370	3.	23305.000	2960.000
371	3.	19011.000	3120.000
372	3.	9650.000	3040.000
373	3.	7435.000	2640.000
374	3.	10057.000	2960.000
375	3.	12785.000	2480.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT	(M OR Y)	CALC VALUE	
410	GAS	EXP		3.933	111.773	X	3.000 IYRS	D		
CALC	GAS	EXP	END=	3.933	111.773	99.097	16.000 YRS	D	304.333	MMCF
411	GAS	EXP		11.610	LAST	X	30.000 IYRS	D		
CALC	GAS	EXP	END=	11.610	99.097	2.444	46.000 YRS	D	590.191	MMCF
420	WATER	EXP		14.015	31.645	X	33.000 IYRS	D		
CALC	WATER	EXP	END=	14.015	31.645	.217	46.000 YRS	D	118.790	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.9708 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 0 UNTIL 1998.0 AD : 1500 UNTIL 1999.0 AD THEN 2500 LIFE

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.900	AD	G	179.480	134.000	.000		
806	! RECAV								
806	INVEST	1999.500	AD	G	112.400	112.045	.000		

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

855 NOLOSS = ON
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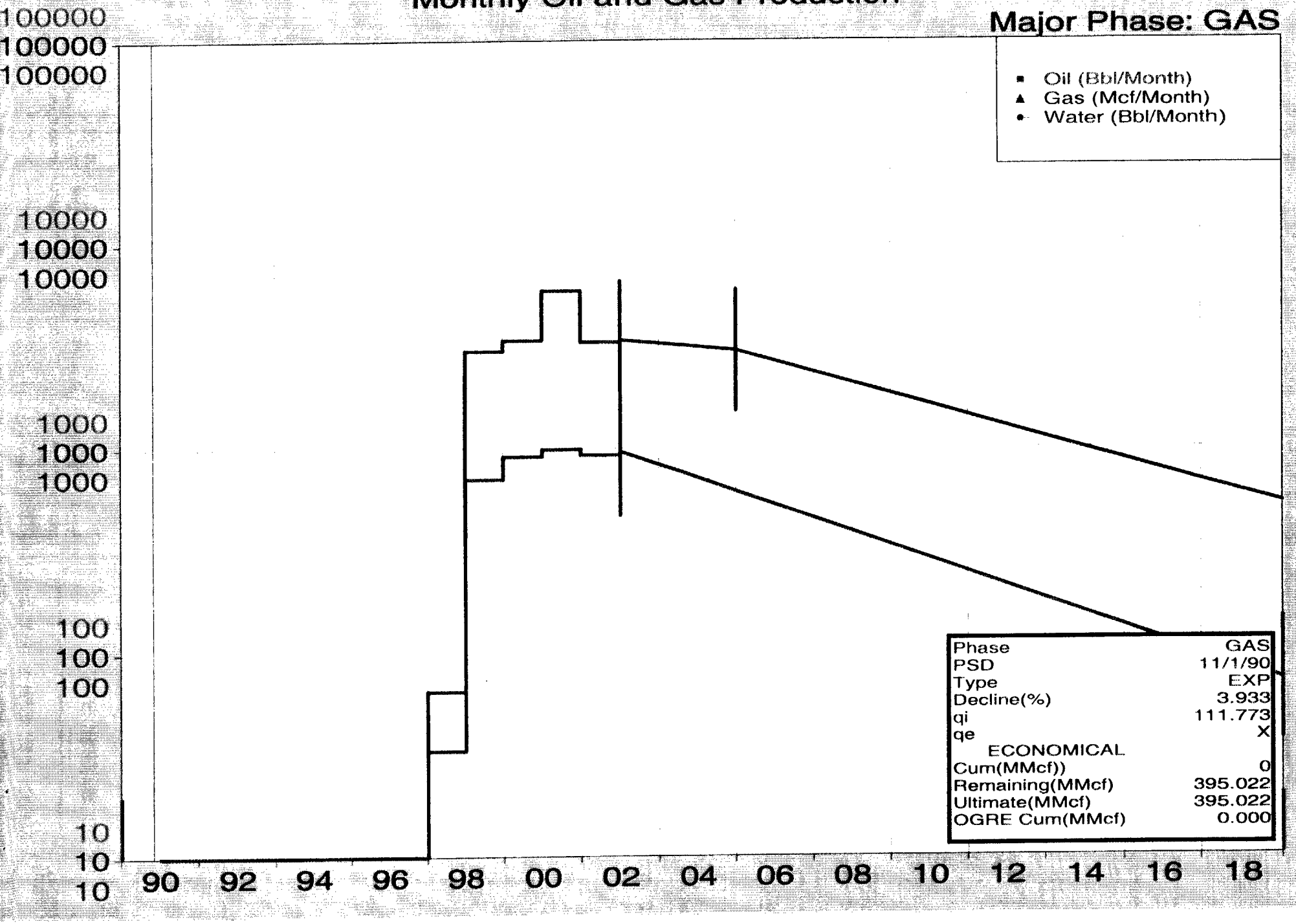
ECONOMIC LIFE (YRS): 21.000
GROSS GAS (MMCF): 457.650
GROSS WATER (MU): 99.661

ROSA UNIT #322
31N 5W 23G
Monthly Oil and Gas Production



ROSA UNIT #344 FRT
PROPNUM 82929-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/18/03
TIME: 10:35:02
FILE: FTC_COM
PROP: 99
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF AUGUST 1, 2000

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-00	.000	.570	.000	.499	.00	3.28	1.638	.162	14.209	555.025	-567.758	-554.152
12-01	.000	73.394	.000	64.220	.00	3.25	209.003	20.712	105.239	.000	83.052	-476.757
12-02	.000	55.722	.000	48.757	.00	3.25	158.679	15.725	99.549	.000	43.405	-439.305
12-03	.000	53.846	.000	47.115	.00	3.25	153.335	15.195	94.319	.000	43.821	-404.295
12-04	.000	48.658	.000	42.576	.00	3.25	138.563	13.732	87.418	.000	37.413	-376.618
12-05	.000	43.969	.000	38.473	.00	3.25	125.210	12.408	81.464	.000	31.338	-355.153
12-06	.000	38.452	.000	33.646	.00	3.25	109.500	10.851	75.862	.000	22.787	-340.701
12-07	.000	32.494	.000	28.432	.00	3.25	92.532	9.170	70.655	.000	12.707	-333.239
12-08	.000	27.460	.000	24.028	.00	3.25	78.199	7.750	66.248	.000	4.201	-330.955
S TOT	.000	374.565	.000	327.746	.00	3.25	1066.659	105.705	694.963	555.025	-289.034	-330.955
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-330.955
TOTAL	.000	374.565	.000	327.746	.00	3.25	1066.659	105.705	694.963	555.025	-289.034	-330.955
CUM.	.000	.000		NET OIL REVENUES (M$)			.000					
ULT.	.000	374.565		NET GAS REVENUES (M$)			1066.659					
				TOTAL REVENUES (M$)			1066.659					

BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	9.000	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000	2.0	-301.526	35.0	-386.203
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000	5.0	-317.584	40.0	-389.772
BTAX NET INCOME/INVEST	.48	GROSS GAS WELLS	1.000	8.0	-330.955	45.0	-392.323
BTAX NET INCOME/INVEST (DISC)	.39	GROSS WELLS	1.000	10.0	-338.625	50.0	-394.077
				12.0	-345.439	60.0	-395.803
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000	15.0	-354.277	70.0	-395.881
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000	18.0	-361.705	80.0	-394.892
PRODUCTION START DATE	9/01/00	INITIAL NET GAS FRACTION	.875000	20.0	-365.985	90.0	-393.197
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000	25.0	-374.761	100.0	-391.041
WATER GROSS PROD. (MU)	83.807	WATER NET PRODUCTION (MU)	.000	WATER	NET REVENUES (M$)		.000

CASE NAME: ROSA UNIT #344 -TEST -1PDP-RLG-4142.01 -BASIN

```
101 ROSA UNIT #344 FRT
102 PROPNUM 82929-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
   120 1 99 12 08 01 2000 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	9/01/2000

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

```
300 SERIES LINES:
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	MAN FACT	GAS	WATER
310		1.000	1.000
320	1.	.000	.000
368	3.	570.000	1.000
369	3.	18393.000	4040.000
370	3.	21108.000	3520.000
371	3.	18111.000	3760.000
372	3.	15782.000	3360.000
373	3.	15149.000	3520.000
374	3.	12135.000	4000.000
375	3.	12716.000	3600.000
376	3.	15722.000	3840.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		9.636	155.124	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	9.636	155.124	114.463	7.000	YRS	D	276.159	MMCF
411	GAS	EXP		15.493	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	15.493	114.463	.734	37.000	YRS	D	522.757	MMCF
420	WATER	EXP		15.302	39.070	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	15.302	39.070	.163	37.000	YRS	D	115.150	M-UNITS

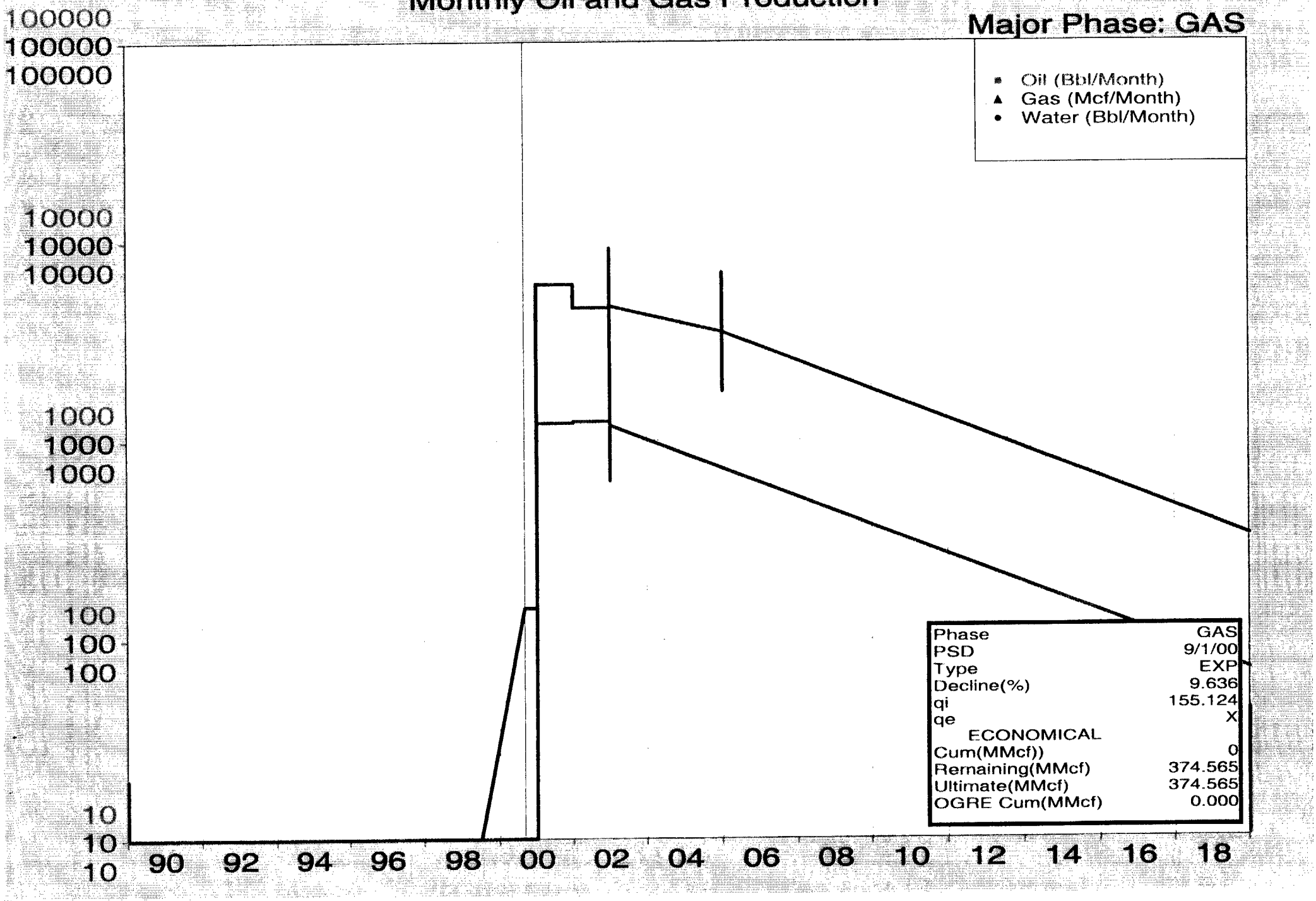
```
600 SERIES LINES:
-----------------
602 DATA BTU : 0.987 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	2000.900	AD	G	355.000	200.025	.000		

```
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG
```

ECONOMIC LIFE	(YRS):	9.000
GROSS GAS	(MMCF):	374.565
GROSS WATER	(MU):	83.807

ROSA UNIT #344
31N 5W 25L
Monthly Oil and Gas Production



ROSA UNIT #351
PROPNUM 82928-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/18/03
TIME: 10:33:25
FILE: FTC_COM
PROP: 101
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF JULY 1, 2000

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-00	.000	2.105	.000	1.842	.00	3.28	6.046	.599	8.266	565.659	-568.478	-568.415
12-01	.000	35.698	.000	31.236	.00	3.25	101.657	10.074	43.308	17.443	30.832	-539.743
12-02	.000	25.617	.000	22.415	.00	3.25	72.949	7.229	39.563	.000	26.157	-517.318
12-03	.000	23.640	.000	20.685	.00	3.25	67.319	6.672	38.258	.000	22.389	-499.545
12-04	.000	22.327	.000	19.536	.00	3.25	63.580	6.301	36.378	.000	20.901	-484.182
12-05	.000	21.087	.000	18.451	.00	3.25	60.048	5.950	34.695	.000	19.403	-470.977
12-06	.000	19.314	.000	16.900	.00	3.25	55.001	5.451	32.967	.000	16.583	-460.527
12-07	.000	17.141	.000	14.998	.00	3.25	48.811	4.837	31.221	.000	12.753	-453.086
12-08	.000	15.213	.000	13.311	.00	3.25	43.320	4.293	29.684	.000	9.343	-448.038
12-09	.000	13.501	.000	11.813	.00	3.25	38.445	3.810	28.322	.000	6.313	-444.880
12-10	.000	11.982	.000	10.484	.00	3.25	34.120	3.381	27.121	.000	3.618	-443.204
12-11	.000	10.634	.000	9.305	.00	3.25	30.283	3.001	26.060	.000	1.222	-442.680
S TOT	.000	218.259	.000	190.976	.00	3.25	621.579	61.598	375.843	583.102	-398.964	-442.680
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-442.680
TOTAL	.000	218.259	.000	190.976	.00	3.25	621.579	61.598	375.843	583.102	-398.964	-442.680
CUM.	.000	.000										
ULT.	.000	218.259										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	621.579				
TOTAL REVENUES (M$)	621.579				
PROJECT LIFE (YEARS)	12.000				
DISCOUNT RATE (PCT)	8.000				
GROSS OIL WELLS	.000				
GROSS GAS WELLS	1.000				
GROSS WELLS	1.000				
INITIAL NET OIL FRACTION	.000000				
FINAL NET OIL FRACTION	.000000				
INITIAL NET GAS FRACTION	.875000				
FINAL NET GAS FRACTION	.875000				
WATER NET PRODUCTION (MU)	.000				

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-398.964	30.0	-498.454
2.0	-412.045	35.0	-505.154
5.0	-428.766	40.0	-510.720
8.0	-442.680	45.0	-515.406
10.0	-450.696	50.0	-519.397
12.0	-457.865	60.0	-525.810
15.0	-467.279	70.0	-530.723
18.0	-475.355	80.0	-534.597
20.0	-480.118	90.0	-537.724
25.0	-490.276	100.0	-540.299

BTAX RATE OF RETURN (PCT)	.00		
BTAX PAYOUT	LIFE		
BTAX PAYOUT (DISC)	LIFE		
BTAX NET INCOME/INVEST	.32		
BTAX NET INCOME/INVEST (DISC)	.24		
INITIAL W.I. FRACTION	1.000000		
FINAL W.I. FRACTION	1.000000		
PRODUCTION START DATE	8/01/00		
MONTHS IN FIRST LINE	12.00		
WATER GROSS PROD. (MU)	36.568	WATER NET REVENUES (M$)	.000

```
101 ROSA UNIT #351
102 PROPNUM 82928-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
   120 1 99 12 07 01 2000 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	1500.00	1.000	GAS	8/01/2000

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.00000000	.000	.000	.0	

```
300 SERIES LINES:
-----------------
```

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	2.	.000	.000
368	3.	2105.000	2.000
369	3.	4089.000	880.000
370	3.	8161.000	1440.000
371	3.	13822.000	1440.000
372	3.	9626.000	1200.000
373	3.	7457.000	1200.000
374	3.	5823.000	1200.000
375	3.	6355.000	1400.000
376	3.	5982.000	1120.000

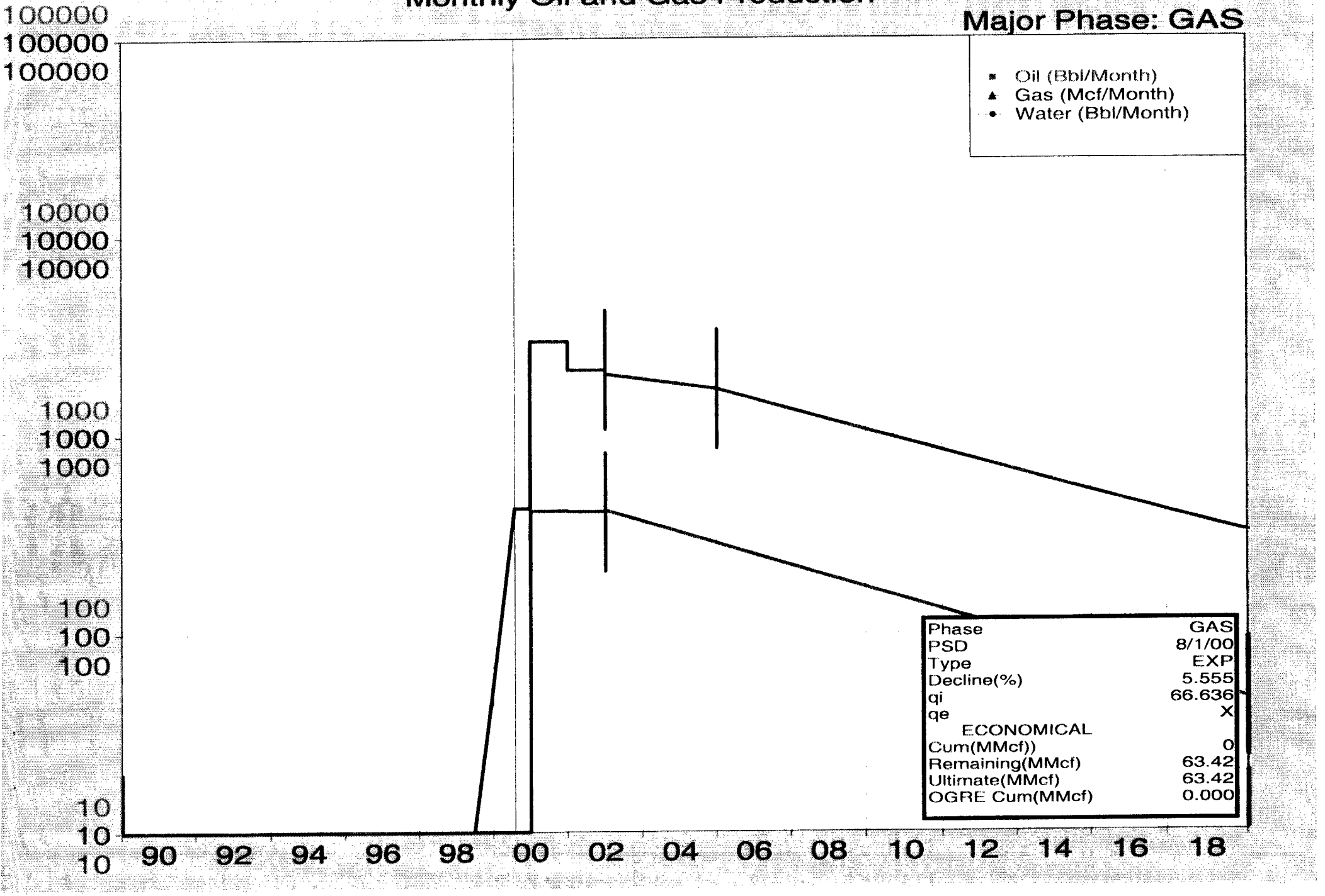
	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		5.555	66.636	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	5.555	66.636	56.137	7.000	YRS	D	130.474	MMCF
411	GAS	EXP		11.251	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	11.251	56.137	1.564	37.000	YRS	D	297.359	MMCF
420	WATER	EXP		11.994	13.670	X	33.000	IYRS	D		
CALC	WATER	EXP	END=	11.994	13.670	.202	37.000	YRS	D	48.358	M-UNITS

```
600 SERIES LINES:
-----------------
602 DATA BTU : 0.987 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	2000.500	AD	G	265.659	300.000	.000		
806	! INSTALL ROD PUMP								
806	INVEST	2001.600	AD	G	17.443	.000	.000		

```
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE  (YRS):        12.000
GROSS GAS     (MMCF):       218.259
GROSS WATER     (MU):        36.568
```

ROSA UNIT #351
31N 5W 10N
Monthly Oil and Gas Production



ROSA UNIT #359
CO AND NM
FRUITLAND
SAR

WILLIAMS PROD CO

DATE: 08/18/03
TIME: 11:17:27
FILE: FTC_COM
PROP: 104
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

AS OF JUNE 1, 2001

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-01	.000	.178	.000	.156	.00	3.26	-5.616	-.556	22.065	583.751	-610.876	-620.005
12-02	.000	32.117	.000	28.102	.00	3.26	64.086	6.350	73.249	.000	-15.513	-634.277
12-03	.000	34.236	.000	29.957	.00	3.26	72.546	7.189	71.267	.000	-5.910	-639.311
12-04	.000	36.488	.000	31.927	.00	3.26	82.317	8.158	68.269	.000	5.890	-634.665
12-05	.000	38.755	.000	33.911	.00	3.26	91.690	9.086	65.779	.000	16.825	-622.377
12-06	.000	38.047	.000	33.291	.00	3.26	92.181	9.136	62.648	.000	20.397	-608.584
12-07	.000	36.145	.000	31.627	.00	3.26	88.932	8.813	59.465	.000	20.654	-595.652
12-08	.000	34.047	.000	29.791	.00	3.26	84.831	8.406	56.539	.000	19.886	-584.123
12-09	.000	29.313	.000	25.649	.00	3.26	72.953	7.230	52.947	.000	12.776	-577.265
12-10	.000	24.624	.000	21.546	.00	3.26	60.986	6.044	49.614	.000	5.328	-574.617
S TOT	.000	303.950	.000	265.957	.00	3.26	704.906	69.856	581.842	583.751	-530.543	-574.617
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-574.617
TOTAL	.000	303.950	.000	265.957	.00	3.26	704.906	69.856	581.842	583.751	-530.543	-574.617
CUM.	.000	.000										
ULT.	.000	303.950										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	868.183				
TOTAL REVENUES (M$)	704.906				
BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	10.000		
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	.09	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	.03	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	7/01/01	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	74.639	WATER NET PRODUCTION (MU)	65.310		

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-530.543	30.0	-634.773
2.0	-543.630	35.0	-642.992
5.0	-560.467	40.0	-650.222
8.0	-574.617	45.0	-656.702
10.0	-582.844	50.0	-662.596
12.0	-590.267	60.0	-673.085
15.0	-600.139	70.0	-682.342
18.0	-608.758	80.0	-690.738
20.0	-613.929	90.0	-698.506
25.0	-625.242	100.0	-705.791

WATER NET REVENUES (M$) -163.277

```
101 ROSA UNIT #359
102 CO AND NM
103 FRUITLAND
104 SAR

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
   120 1 00 12 06 01 2001 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	2500.00	1.000	GAS	7/01/2001

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	-2.500	9.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305			
310	FACT	1.000	1.000
320	3.	.000	.000
372	3.	178.000	2800.000
373	3.	3095.000	3360.000
374	3.	7392.000	3120.000
375	3.	12902.000	3040.000
376	3.	8728.000	3120.000

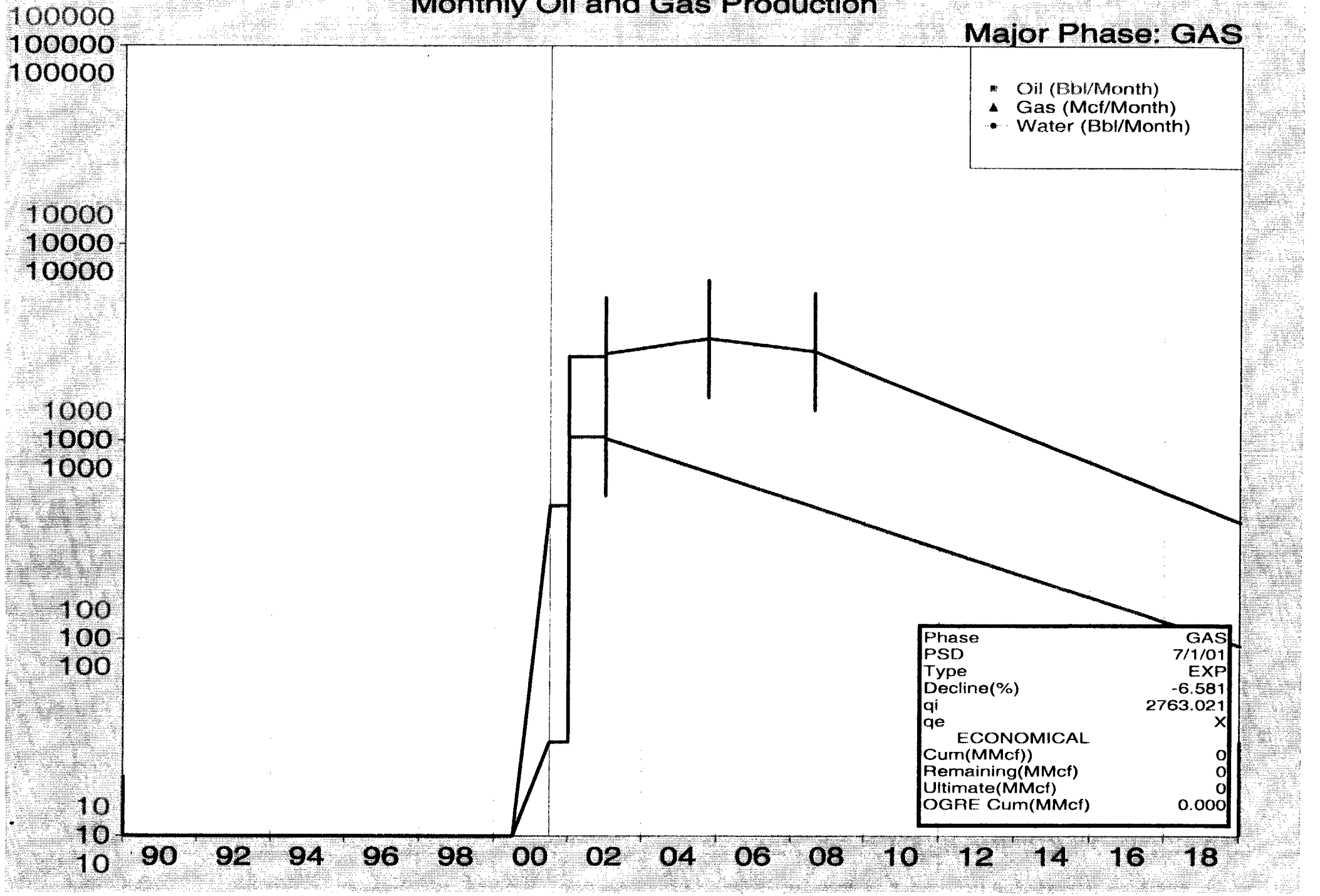
	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		-6.581	2763.021	X	2.756	IYR	M		
CALC	GAS	EXP	END=	-6.581	2763.021	3293.591	5.756	YRS	M	132.190	MMCF
411	GAS	EXP		5.000	LAST	X	2.866	IYR	M		
CALC	GAS	EXP	END=	5.000	3293.591	2843.319	8.622	YRS	M	237.531	MMCF
412	GAS	EXP		16.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	16.000	93.479	.500	38.622	YRS	D	432.178	MMCF
420	WATER	EXP		13.230	33.914	X	35.000	IYRS	D		
CALC	WATER	EXP	END=	13.230	33.914	.236	38.000	YRS	D	102.061	M-UNITS

```
600 SERIES LINES:
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
   632 COMPUTE GASP = GASP * .9421
   805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	2001.200	AD	G	283.751	300.000	.000		

```
853 CASE $GATHNET88
*  658 COMPUTE GASC = GASC / WI
*  659 COMPUTE GASC = GASC * NIG

ECONOMIC LIFE (YRS):        10.000
GROSS GAS     (MMCF):      303.950
GROSS WATER     (MU):       74.639
```

ROSA UNIT #359
31N 5W 4N
Monthly Oil and Gas Production



ROSA UNIT #500 FRT
PROPNUM 82925-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/18/03
TIME: 11:38:23
FILE: PTC_COM
PROP: 110
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF SEPTEMBER 1, 1999

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					8.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-99	.000	.000	.000	.000	.00	1.92	.000	.000	4.500	418.856	-423.356	-419.008
12-00	.000	1.046	.000	.915	.00	3.28	3.004	.297	18.388	.000	-15.681	-433.715
12-01	.000	3.490	.000	3.054	.00	3.26	9.941	.985	19.292	.000	-10.336	-442.691
12-02	.000	3.372	.000	2.951	.00	3.26	9.606	.952	19.248	.000	-10.594	-451.209
12-03	.000	3.181	.000	2.783	.00	3.26	9.059	.897	19.175	.000	-11.013	-459.408
12-04	.000	3.090	.000	2.704	.00	3.26	8.802	.872	19.141	.000	-11.211	-467.137
12-05	.000	3.001	.000	2.626	.00	3.26	8.548	.847	19.105	.000	-11.404	-474.416
12-06	.000	2.762	.000	2.417	.00	3.26	7.868	.780	19.017	.000	-11.929	-481.466
12-07	.000	2.402	.000	2.102	.00	3.26	6.842	.678	18.887	.000	-12.723	-488.429
12-08	.000	2.090	.000	1.829	.00	3.26	5.954	.590	18.771	.000	-13.407	-495.222
12-09	.000	1.818	.000	1.591	.00	3.26	5.179	.513	18.671	.000	-14.005	-501.793
12-10	.000	1.582	.000	1.384	.00	3.26	4.505	.446	18.582	.000	-14.523	-508.102
12-11	.000	1.376	.000	1.204	.00	3.26	3.919	.389	18.511	.000	-14.981	-514.128
12-12	.000	1.197	.000	1.047	.00	3.26	3.408	.338	18.441	.000	-15.371	-519.853
12-13	.000	1.042	.000	.912	.00	3.26	2.969	.294	18.385	.000	-15.710	-525.271
12-14	.000	.906	.000	.793	.00	3.26	2.581	.255	18.336	.000	-16.010	-530.383
12-15	.000	.789	.000	.690	.00	3.26	2.246	.222	18.293	.000	-16.269	-535.193
12-16	.000	.686	.000	.600	.00	3.26	1.953	.194	18.253	.000	-16.494	-539.708
12-17	.000	.596	.000	.522	.00	3.26	1.699	.168	18.221	.000	-16.690	-543.939
12-18	.000	.520	.000	.455	.00	3.26	1.481	.146	18.193	.000	-16.858	-547.896
12-19	.000	.451	.000	.395	.00	3.26	1.286	.128	18.168	.000	-17.010	-551.593
12-20	.000	.393	.000	.344	.00	3.26	1.120	.111	18.145	.000	-17.136	-555.041
12-21	.000	.342	.000	.299	.00	3.26	.973	.097	18.129	.000	-17.253	-558.255
12-22	.000	.298	.000	.261	.00	3.26	.850	.085	18.111	.000	-17.346	-561.247
12-23	.000	.258	.000	.226	.00	3.26	.736	.073	18.096	.000	-17.433	-564.032
12-24	.000	.225	.000	.197	.00	3.26	.641	.064	18.084	.000	-17.507	-566.621
12-25	.000	.196	.000	.172	.00	3.26	.560	.055	18.074	.000	-17.569	-569.027
12-26	.000	.171	.000	.150	.00	3.26	.488	.048	18.065	.000	-17.625	-571.262
12-27	.000	.148	.000	.130	.00	3.26	.423	.042	18.054	.000	-17.673	-573.337
12-28	.000	.129	.000	.113	.00	3.26	.368	.036	18.050	.000	-17.718	-575.263
12-29	.000	.112	.000	.098	.00	3.26	.319	.032	18.041	.000	-17.754	-577.050
12-30	.000	.098	.000	.086	.00	3.26	.280	.028	18.038	.000	-17.786	-578.708
12-31	.000	.085	.000	.074	.00	3.26	.241	.024	18.031	.000	-17.814	-580.245
12-32	.000	.074	.000	.065	.00	3.26	.212	.021	18.030	.000	-17.839	-581.670
12-33	.000	.064	.000	.056	.00	3.26	.182	.018	18.023	.000	-17.859	-582.991
12-34	.000	.056	.000	.049	.00	3.26	.160	.015	18.020	.000	-17.875	-584.216
12-35	.000	.048	.000	.042	.00	3.26	.137	.013	18.017	.000	-17.893	-585.351
12-36	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-585.351
S TOT	.000	38.094	.000	33.336	.00	3.26	108.540	10.753	666.586	418.856	-987.655	-585.351
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-585.351
TOTAL	.000	38.094	.000	33.336	.00	3.26	108.540	10.753	666.586	418.856	-987.655	-585.351
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				108.540				
ULT.	.000	38.094		TOTAL REVENUES (M$)				108.540				

BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	37.000		
BTAX PAYOUT	12/31/2035	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	12/31/2035	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	-1.36	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	-.41	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/99	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.875000		
WATER GROSS PROD. (MU)	.119	WATER NET PRODUCTION (MU)	.109		

--------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-987.655	30.0	-452.320
2.0	-811.631	35.0	-444.185
5.0	-663.801	40.0	-437.734
8.0	-585.351	45.0	-432.406
10.0	-552.686	50.0	-427.861
12.0	-529.157	60.0	-420.362
15.0	-504.488	70.0	-414.267
18.0	-487.560	80.0	-409.091
20.0	-478.966	90.0	-404.575
25.0	-463.207	100.0	-400.549

WATER NET REVENUES (M$) .000

```
101 ROSA UNIT #500 FRT
102 PROPNUM 82925-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*107 WILLIAMS PROD CO
*130 INVEST -DB200 7 0 0 0 0
*131 DRLG -DB200 7 0 0 0 0
*132 COMP -DB200 7 0 0 0 0
*133 GATHPL -DB200 10 0 0 0 0
*134 PLATFAC -DB200 10 0 0 0 0
*135 NETLND -DB200 7 0 0 0 0
*136 NETSEIS -DB200 7 0 0 0 0
*137 GRSOTH -DB200 7 0 0 0 0
*138 NETACQ -DB200 7 0 0 0 0
*139 NTSALE -DB200 7 0 0 0 0
*160 SET RPTFRM = 2
*165 SET SHRINK = GAS
*698 SET IDCAMORT = MAJOR
*699 SET FEDTAX = 38
120 1 98 12 09 01 1999 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	1500.00	1.000	GAS	10/01/1999

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	.0	

```
300 SERIES LINES:
-----------------
```

	MAN	GAS	WATER
310	FACT	1.000	1.000
320	9.	.000	.000
367	3.	261.000	1.000
368	3.	785.000	3.000
369	3.	867.000	3.000
370	3.	843.000	3.000
371	3.	966.000	3.000
372	3.	814.000	3.000
373	3.	889.000	3.000
374	3.	916.000	3.000
375	3.	510.000	3.000
376	3.	1057.000	2.000

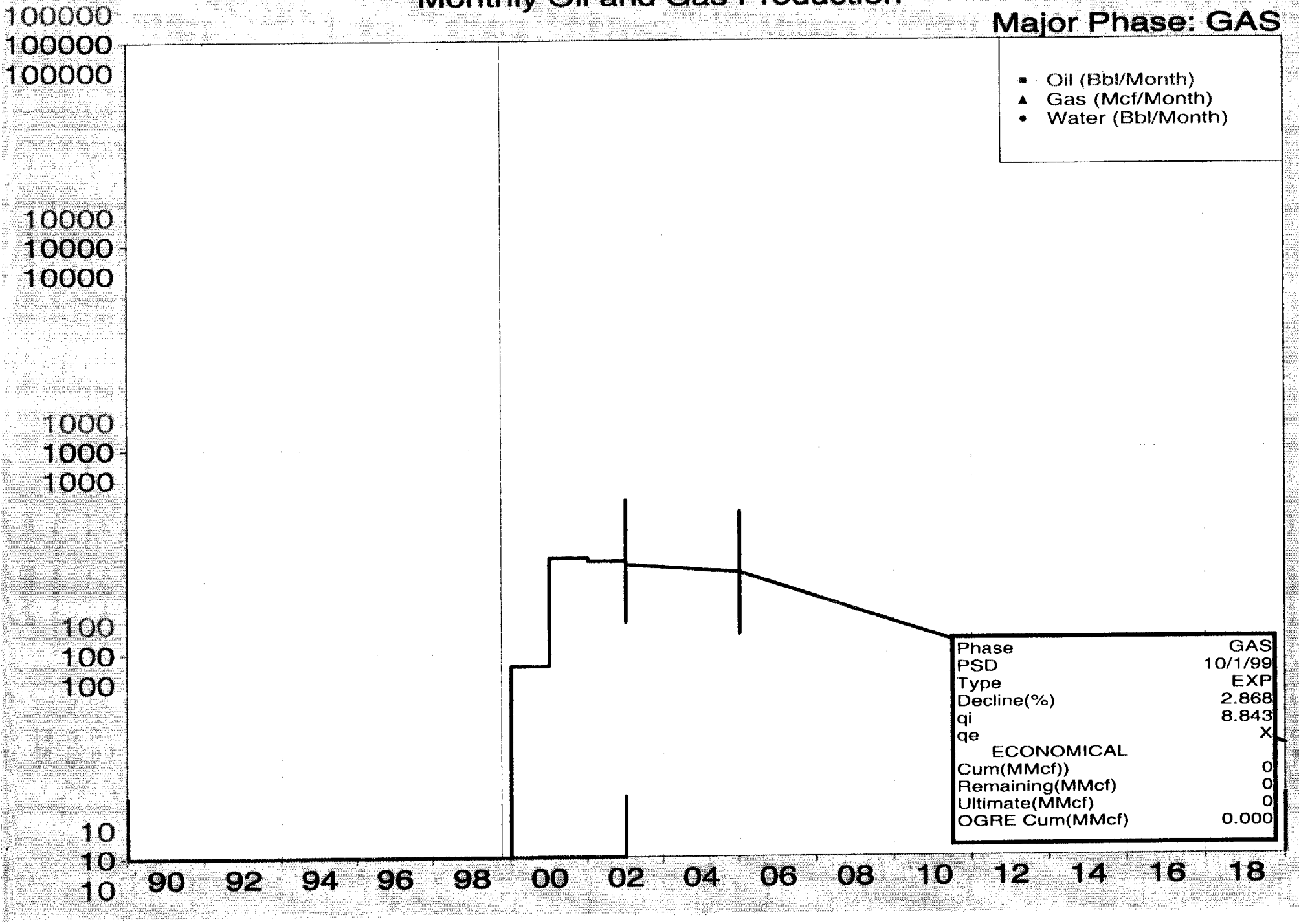
	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		2.868	8.843	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	2.868	8.843	8.104	8.000	YRS	D	17.180	MMCF
411	GAS	EXP		13.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	13.000	8.104	.124	38.000	YRS	D	38.094	MMCF
420	WATER	EXP		10.644	.891	X	30.000	IYRS	M		
CALC	WATER	EXP	END=	10.644	.891	.030	35.000	YRS	M	.119	M-UNITS

```
600 SERIES LINES:
-----------------
602 DATA BTU : 0.9872 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU

629 CASE $AREA1788
*640 DATA GASP : 1.69 UNTIL 1989 AD
*641 1.67 UNTIL 1990 AD
*642 1.26 UNTIL 1991 AD
*643 1.65 UNTIL 1992 AD
*644 1.89 UNTIL 1993 AD
*645 1.63 UNTIL 1994 AD
*646 1.18 UNTIL 1995 AD
*647 1.39 UNTIL 1996 AD
*648 1.66 UNTIL 1997 AD
*649 2.32 UNTIL 1998 AD
*650 1.86 UNTIL 1999 AD
*651 2.06 UNTIL 2000 AD
*652 3.53 UNTIL 2001 AD
*653 3.50 UNTIL 2002 AD
*654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1999.800	AD	G	228.000	190.856	.000		

```
853 CASE $GATHNET88
*658 COMPUTE GASC = GASC / WI
*659 COMPUTE GASC = GASC * NIG

855 NOLOSS = OFF
```

ROSA UNIT #500
31N 4W 23D
Monthly Oil and Gas Production



ROSA UNIT #063
PROPNUM 81788-1
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 08/15/03
TIME: 10:26:23
FILE: FTC_COM
PROP: 8
STID: BASE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

WILLIAMS PROD CO

AS OF OCTOBER 1, 1992

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-93	.000	.000	.000	.000	.00	1.52	.000	.000	6.000	345.830	-351.830	-342.302
12-94	.000	1.770	.000	1.549	.00	1.10	1.705	.169	6.667	.000	-5.131	-346.786
12-95	.000	.821	.000	.718	.00	1.30	.931	.092	34.698	.000	-33.859	-374.187
12-96	.000	.160	.000	.140	.00	1.55	.217	.022	12.068	.000	-11.873	-383.084
12-97	.000	.154	.000	.135	.00	2.16	.292	.029	12.856	.000	-12.593	-391.821
12-98	.000	2.941	.000	2.573	.00	1.73	4.464	.443	15.467	.000	-11.446	-399.174
12-99	.000	44.584	.000	39.011	.00	1.92	74.953	7.428	35.371	295.430	-263.276	-555.777
12-00	.000	93.388	.000	81.715	.00	3.29	269.035	26.661	51.902	.000	190.472	-450.872
12-01	.000	54.875	.000	48.016	.00	3.26	156.742	15.533	37.933	.000	103.276	-398.205
12-02	.000	51.707	.000	45.244	.00	3.26	147.693	14.636	36.782	.000	96.275	-352.745
12-03	.000	49.928	.000	43.687	.00	3.26	142.611	14.133	36.109	.000	92.369	-312.360
12-04	.000	46.515	.000	40.701	.00	3.26	132.863	13.167	34.871	.000	84.825	-278.020
12-05	.000	43.165	.000	37.769	.00	3.26	123.292	12.218	33.656	.000	77.418	-249.001
12-06	.000	36.729	.000	32.138	.00	3.26	104.911	10.397	31.322	.000	63.192	-227.069
12-07	.000	30.119	.000	26.354	.00	3.26	86.029	8.526	28.924	.000	48.579	-211.457
12-08	.000	24.696	.000	21.609	.00	3.26	70.540	6.991	26.957	.000	36.592	-200.569
12-09	.000	20.252	.000	17.721	.00	3.26	57.848	5.732	25.345	.000	26.771	-193.193
12-10	.000	16.606	.000	14.530	.00	3.26	47.431	4.701	24.023	.000	18.707	-188.421
12-11	.000	13.617	.000	11.915	.00	3.26	38.895	3.855	22.939	.000	12.101	-185.563
12-12	.000	11.166	.000	9.770	.00	3.26	31.893	3.160	22.050	.000	6.683	-184.101
12-13	.000	9.156	.000	8.012	.00	3.26	26.154	2.592	21.321	.000	2.241	-183.647
S TOT	.000	552.349	.000	483.307	.00	3.14	1518.499	150.485	557.261	641.260	169.493	-183.647
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-183.647
TOTAL	.000	552.349	.000	483.307	.00	3.14	1518.499	150.485	557.261	641.260	169.493	-183.647
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				1518.499				
ULT.	.000	552.349		TOTAL REVENUES (M$)				1518.499				

BTAX RATE OF RETURN (PCT)	2.89	PROJECT LIFE (YEARS)	21.000		
BTAX PAYOUT	09/19/2006	DISCOUNT RATE (PCT)	8.000		
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	1.26	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	.64	GROSS WELLS	2.000		
INITIAL W.I. FRACTION	1.000000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	1.000000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	11/01/92	INITIAL NET GAS FRACTION	.875000		
MONTHS IN FIRST LINE	12.00	*FINAL NET GAS FRACTION*	.875000		
WATER GROSS PROD. (MU)	10.769	WATER NET PRODUCTION (MU)	9.425	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	169.493	30.0	-336.641
2.0	40.123	35.0	-336.299
5.0	-95.403	40.0	-333.488
8.0	-183.647	45.0	-329.447
10.0	-224.756	50.0	-324.855
12.0	-255.722	60.0	-315.358
15.0	-288.347	70.0	-306.345
18.0	-309.355	80.0	-298.154
20.0	-318.847	90.0	-290.780
25.0	-332.238	100.0	-284.133

```
101 ROSA UNIT #063
102 PROPNUM 81788-1
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE $COM88
*  107 WILLIAMS PROD CO
*  130 INVEST -DB200 7 0 0 0 0
*  131 DRLG -DB200 7 0 0 0 0
*  132 COMP -DB200 7 0 0 0 0
*  133 GATHPL -DB200 10 0 0 0 0
*  134 PLATFAC -DB200 10 0 0 0 0
*  135 NETLND -DB200 7 0 0 0 0
*  136 NETSEIS -DB200 7 0 0 0 0
*  137 GRSOTH -DB200 7 0 0 0 0
*  138 NETACQ -DB200 7 0 0 0 0
*  139 NTSALE -DB200 7 0 0 0 0
*  160 SET RPTFRM = 2
*  165 SET SHRINK = GAS
*  698 SET IDCAMORT = MAJOR
*  699 SET FEDTAX = 38
120 1 92 12 10 01 1992 8 2
```

	W.I. FRACTION	OP. COST ($/W/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	3500.00	1.000	GAS	11/01/1992

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.87500000	3.650	9.000	1.0	
224	WATER	.000	.87500000	.000	.000	1.0	

300 SERIES LINES:

	MAN	GAS	WATER
305	FACT	1.000	1.000
310	14.	.000	.000
320	3.	344.000	1.000
341	3.	619.000	3.000
342	3.	320.000	3.000
343	3.	487.000	3.000
344	3.	220.000	.000
345	3.	260.000	3640.000
346	3.	341.000	3680.000
347	3.	.000	1640.000
348	3.	148.000	1.000
349	3.	12.000	3.000
350	3.	.000	.000
351	3.	.000	.000
352	3.	.000	.000
353	3.	154.000	320.000
354	3.	.000	.000
355	3.	.000	.000
356	3.	.000	.000
357	3.	1422.000	240.000
358	3.	1519.000	320.000
359	3.	.000	400.000
360	3.	7204.000	480.000
361	3.	10888.000	.000
362	3.	11428.000	.000
363	3.	15064.000	.000
364	3.	17238.000	3.000
365	3.	21949.000	3.000
366	3.	27071.000	3.000
367	3.	27130.000	3.000
368	3.	16155.000	3.000
369	3.	13192.000	3.000
370	3.	12853.000	3.000
371	3.	12675.000	3.000
372	3.	12717.000	3.000
373	3.	12821.000	3.000
374	3.	12008.000	3.000
375	3.	14161.000	2.000
376			

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		6.837	141.690	X	2.748	IYRS	D		
CALC	GAS	EXP	END=	6.837	141.690	116.633	13.748	YRS	D	379.544	MMCF
411	GAS	EXP		18.000	LAST	X	30.000	IYRS	D		
CALC	GAS	EXP	END=	18.000	116.633	.303	43.748	YRS	D	593.503	MMCF

600 SERIES LINES:

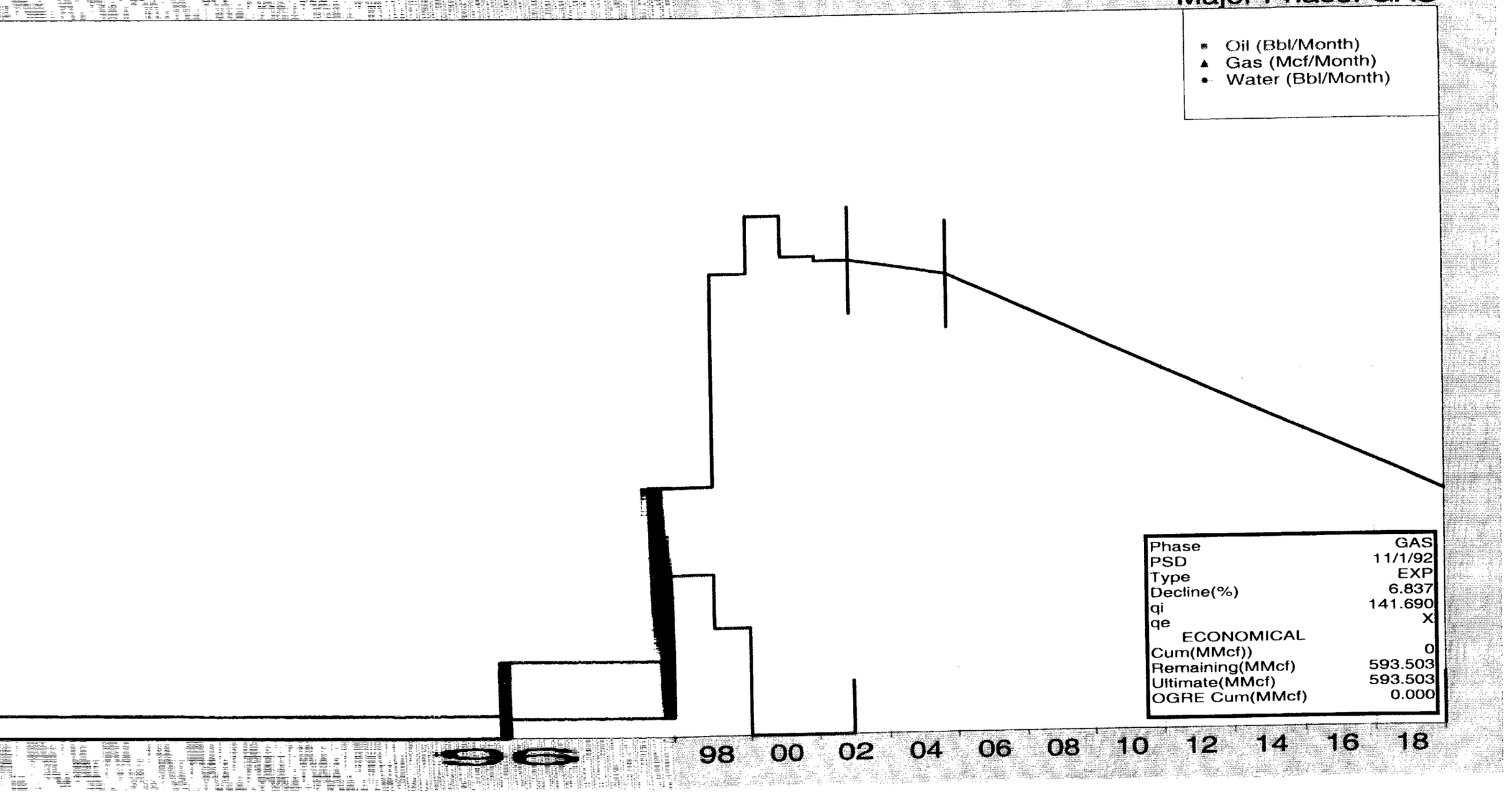
```
602 DATA BTU : 0.99 TO LIFE
605 DATA WATERC : 2.50 TO LIFE
612 DATA GASC : .4187 TO LIFE
613 COMPUTE GASC = GASC * BTU
615 DATA OPCOST : 500 UNTIL 1995.0 AD : 1000 UNTIL 1999.0 AD THEN 1500 LIFE

629 CASE $AREA1788
*  640 DATA GASP : 1.69 UNTIL 1989 AD
*  641 1.67 UNTIL 1990 AD
*  642 1.26 UNTIL 1991 AD
*  643 1.65 UNTIL 1992 AD
*  644 1.89 UNTIL 1993 AD
*  645 1.63 UNTIL 1994 AD
*  646 1.18 UNTIL 1995 AD
*  647 1.39 UNTIL 1996 AD
*  648 1.66 UNTIL 1997 AD
*  649 2.32 UNTIL 1998 AD
*  650 1.86 UNTIL 1999 AD
*  651 2.06 UNTIL 2000 AD
*  652 3.53 UNTIL 2001 AD
*  653 3.50 UNTIL 2002 AD
*  654 3.50 TO LIFE
632 COMPUTE GASP = GASP * .9421
805 ! DRILL AND COMPLETE
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1993.100	AD	G	165.630	180.200	.000		
806	! RECAV								
806	INVEST	1999.500	AD	G	125.230	170.200	.000		

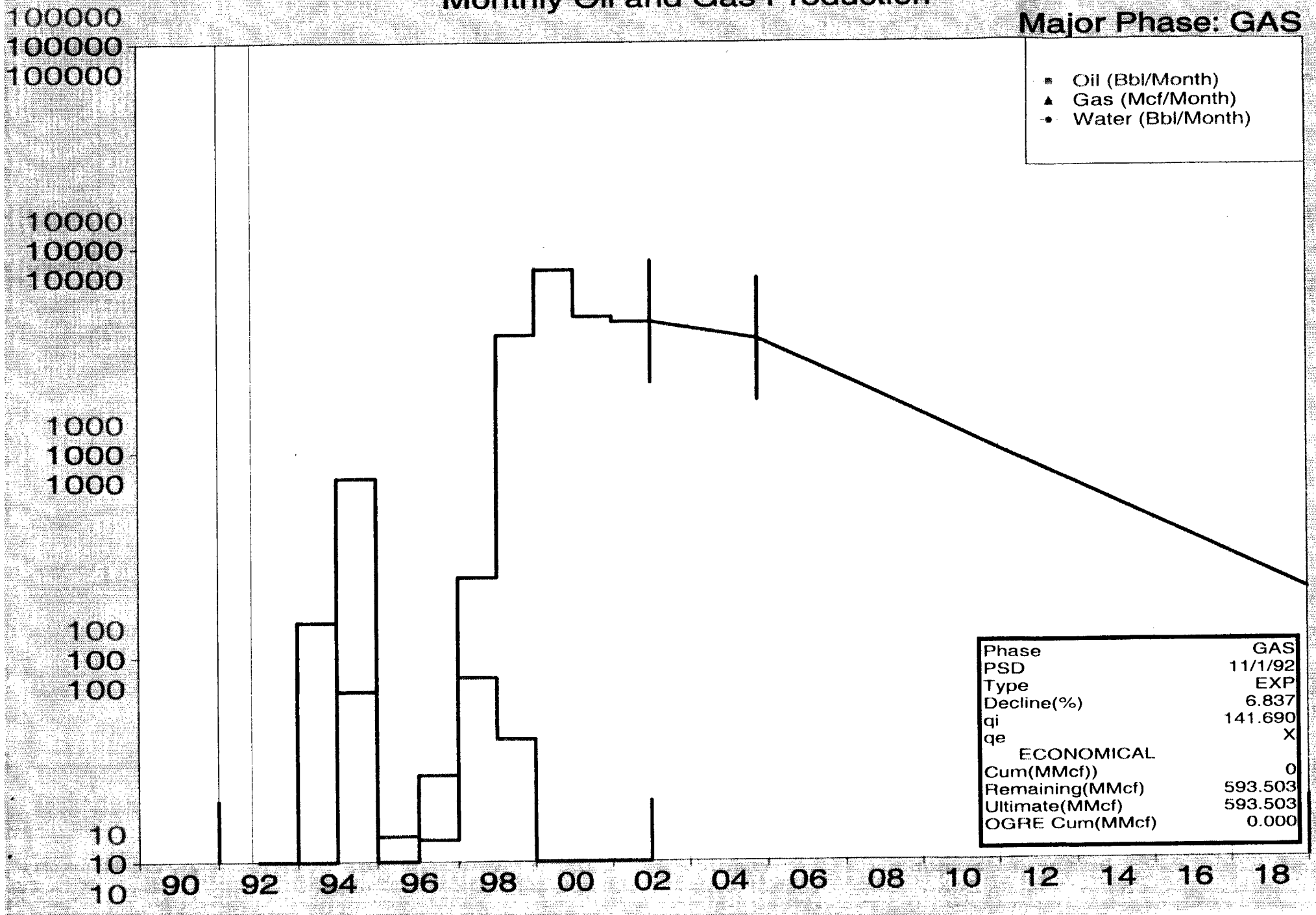
```
  853 CASE $GATHNET88
* 658 COMPUTE GASC = GASC / WI
* 659 COMPUTE GASC = GASC * NIG

  855 NOLOSS = ON

ECONOMIC LIFE  (YRS):          21.000
GROSS GAS     (MMCF):         552.349
GROSS WATER     (MU):          10.769
```

ROSA UNIT #063
31N 4W 30G
Monthly Oil and Gas Production

Major Phase: GAS



ROSA UNIT #063
31N 4W 30G
Monthly Oil and Gas Production



#133

Williams Production Company,LLC
One Williams Center
P.O. Box 3102
Tulsa, Oklahoma 74101
918/573-6169

April 4, 2003

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico
Oil Conservation Commission
1220 South St. Francis Drive
Santa Fe, New Mexico 87505-4000

State of New Mexico
Commissioner of Public Lands
310 Old Santa Fe Trail
Santa Fe, New Mexico 87504-1148

Re: Rosa Unit I, Sec.No.587
San Juan and Rio Arriba Counties, New Mexico
2003 Plan of Development

Gentlemen:

By letter dated February 13, 2002, Williams Production Company as Rosa Unit Operator, filed the 2002 Plan of Development for the Rosa Unit. Following is a summary of the operations proposed under the 2002 Plan of Development:

Well Name	Formation	Operations Status
Rosa Unit #5B (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #8C	Mesaverde	Drilled and completed
Rosa Unit #9B	Mesaverde	Drilled and completed
Rosa Unit #10B	Mesaverde	Drilled and completed
Rosa Unit #10C	Mesaverde	Carried over to 2003 P.O.D.
Rosa Unit #14B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #15B	Mesaverde	Carried over to 2003 P.O.D.
Rosa Unit #17B (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #18B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #21C (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #22B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.

Well Name	Formation	Operations Status
Rosa Unit #24C (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #25B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #32C (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #34C	Mesaverde	Drilled and completed
Rosa Unit #35B	Mesaverde	Carried over to 2003 P.O.D.
Rosa Unit #40E	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #41B (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #46A (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #48E	Dakota	Carried over to 2003 P.O.D.
Rosa Unit Com #60B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #75B	Mesaverde	Carried over to 2003 P.O.D.
Rosa Unit #77B	Mesaverde	Drilled and completed
Rosa Unit #79B (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #85B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #88B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #89B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #91C	Mesaverde	Drilled and completed
Rosa Unit #100B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #125B	Mesaverde	Carried over to 2003 P.O.D.
Rosa Unit #129B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #137B	Mesaverde	Drilled and completed
Rosa Unit #138B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #139B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #145B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #146A (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #147B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit Com #148B	Mesaverde	Drilled and completed
Rosa Unit #150C (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #151B	Mesaverde	Carried over to 2003 P.O.D.
Rosa Unit #151C	Mesaverde	Carried over to 2003 P.O.D.
Rosa Unit #153B	Mesaverde	Carried over to 2003 P.O.D.
Rosa Unit #156B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #159B	Mesaverde	Carried over to 2003 P.O.D.
Rosa Unit #160B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #162B	Mesaverde	Carried over to 2003 P.O.D.

Well Name	Formation	Operations Status
Rosa Unit #163B	Mesaverde	Carried over to 2003 P.O.D.
Rosa Unit #164B (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #165C (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit Com #169B	Mesaverde	Carried over to 2003 P.O.D.
Rosa Unit #171B	Mesaverde	Drilled and completed
Rosa Unit #171C	Mesaverde	Drilled and completed
Rosa Unit #180B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #181B	Mesaverde	Carried over to 2003 P.O.D.
Rosa Unit #184B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #185B (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #186 (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #187B *	Mesaverde	Carried over to 2003 P.O.D.
Rosa Unit #189 (Mesaverde/	Mesaverde	Carried over to 2003 P.O.D.
Dakota Dual)	Dakota	Carried over to 2003 P.O.D.
Rosa Unit #191	Mesaverde	Carried over to 2003 P.O.D.
Rosa Unit #192	Mesaverde	Carried over to 2003 P.O.D.
Rosa Unit #347	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #350	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #360	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #361	Fruitland Coal	Drilled and completed
Rosa Unit #362	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #364	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #365	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #367	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #368	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #369	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #370	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #371	Fruitland Coal	Drilled and completed
Rosa Unit #372	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #373	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #374	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #375	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #376	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #377	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #378	Fruitland Coal	Carried over to 2003 P.O.D.
Rosa Unit #379	Fruitland Coal	Drilled and completed
Rosa Unit #381	Fruitland Coal	Drilled and completed

* Well number changed from Rosa Unit #190

The Participating Areas which have been established in the Rosa Unit are as follows:

Formation	Revision	Effective
Pictured Cliffs	Seventh	October 1, 1999
Mesaverde	Fifteenth	January 1, 1983
Dakota	Ninth	January 1, 1992

Attached are maps of the Rosa Unit showing the boundaries of the Participating Areas as applicable. There were no wells commingled within the Rosa Unit during 2002. The Rosa Unit #84 Fruitland Coal formation was plugged and recompleted as a Mesaverde formation producer.

Pursuant to Section 9 of the Rosa Unit Agreement, Williams Production Company is submitting a Plan of Development providing for the completion of the following wells during 2003:

Well Name	Drilling Block	Formation
Rosa Unit #14B (Mesaverde/	E/2 Sec.23, T31N, R6W	Mesaverde
Dakota Dual)	S/2 Sec.23, T31N, R6W	Dakota
Rosa Unit #15B	E/2 Sec.29, T31N, R5W	Mesaverde
Rosa Unit #18B (Mesaverde/	E/2 Sec.22, T31N, R6W	Mesaverde
Dakota Dual)	E/2 Sec.22, T31N, R6W	Dakota
Rosa Unit #21C (Mesaverde/	W/2 Sec.23, T31N, R6W	Mesaverde
Dakota Dual)	N/2 Sec.23, T31N, R6W	Dakota
Rosa Unit #22B (Mesaverde/	N/2 Sec.18, T31N, R5W	Mesaverde
Dakota Dual)	N/2 Sec.18, T31N, R5W	Dakota
Rosa Unit #25B (Mesaverde/	W/2 Sec.15, T31N, R6W	Mesaverde
Dakota Dual)	W/2 Sec.15, T31N, R6W	Dakota
Rosa Unit #35B	ALL Sec.05, T31N, R6W	Mesaverde
Rosa Unit #40E	N/2 Sec.11, T31N, R5W	Dakota
Rosa Unit #48E	S/2 Sec.11, T31N, R5W	Dakota
Rosa Unit Com #60B (Mesaverde/	ALL Sec.04, T31N, R6W	Mesaverde
Dakota Dual)	ALL Sec.04, T31N, R6W	Dakota
Rosa Unit #75B	W/2 Sec.10, T31N, R6W	Mesaverde
Rosa Unit #85B (Mesaverde/	N/2 Sec.20, T31N, R5W	Mesaverde
Dakota Dual)	N/2 Sec.20, T31N, R5W	Dakota
Rosa Unit #88B (Mesaverde/	W/2 Sec.08, T31N, R6W	Mesaverde
Dakota Dual)	W/2 Sec.08, T31N, R6W	Dakota
Rosa Unit #89B (Mesaverde/	E/2 Sec.34, T32N, R6W	Mesaverde
Dakota Dual)	E/2 Sec.34, T32N, R6W	Dakota
Rosa Unit #100B (Mesaverde/	S/2 Sec.21, T31N, R6W	Mesaverde
Dakota Dual)	S/2 Sec.21, T31N, R6W	Dakota
Rosa Unit #125B	E/2 Sec.13, T31N, R6W	Mesaverde
Rosa Unit #125Y (Mesaverde/	E/2 Sec.13, T31N, R6W	Mesaverde
Dakota Dual)	E/2 Sec.13, T31N, R6W	Dakota
Rosa Unit #129B (Mesaverde/	W/2 Sec.34, T32N, R6W	Mesaverde
Dakota Dual)	W/2 Sec.34, T32N, R6W	Dakota
Rosa Unit #138B (Mesaverde/	E/2 Sec.17, T31N, R6W	Mesaverde
Dakota Dual)	E/2 Sec.17, T31N, R6W	Dakota
Rosa Unit #139B (Mesaverde/	W/2 Sec.17, T31N, R6W	Mesaverde
Dakota Dual)	W/2 Sec.17, T31N, R6W	Dakota
Rosa Unit #145B (Mesaverde/	N/2 Sec.16, T31N, R6W	Mesaverde
Dakota Dual)	N/2 Sec.16, T31N, R6W	Dakota
Rosa Unit #146A (Mesaverde/	W/2 Sec.28, T31N, R5W	Mesaverde
Dakota Dual)	W/2 Sec.28, T31N, R5W	Dakota
Rosa Unit #147B (Mesaverde/	N/2 Sec.33, T31N, R5W	Mesaverde
Dakota Dual)	N/2 Sec.33, T31N, R5W	Dakota
Rosa Unit #150C (Mesaverde/	W/2 Sec.32, T32N, R6W	Mesaverde
Dakota Dual)	W/2 Sec.32, T32N, R6W	Dakota
Rosa Unit #151B	W/2 Sec.33, T32N, R6W	Mesaverde
Rosa Unit #151C	W/2 Sec.33, T32N, R6W	Mesaverde
Rosa Unit #153B	E/2 Sec.17, T31N, R5W	Mesaverde
Rosa Unit #156B (Mesaverde/	E/2 Sec.09, T31N, R6W	Mesaverde
Dakota Dual)	E/2 Sec.09, T31N, R6W	Dakota
Rosa Unit #159B	S/2 Sec.19, T31N, R5W	Mesaverde

Well Name	Drilling Block	Formation
Rosa Unit #160B (Mesaverde/	S/2 Sec.25, T31N, R6W	Mesaverde
Dakota Dual)	S/2 Sec.25, T31N, R6W	Dakota
Rosa Unit #162B	S/2 Sec.30, T31N, R5W	Mesaverde
Rosa Unit #163B (Mesaverde/	E/2 Sec.24, T31N, R6W	Mesaverde
Dakota Dual)	E/2 Sec.24, T31N, R6W	Dakota
Rosa Unit Com #169B	ALL Sec.03, T31N, R6W	Mesaverde
Rosa Unit #180B (Mesaverde/	W/2 Sec.09, T31N, R6W	Mesaverde
Dakota Dual)	W/2 Sec.09, T31N, R6W	Dakota
Rosa Unit #181B	E/2 Sec.10, T31N, R6W	Mesaverde
Rosa Unit #184B (Mesaverde/	E/2 Sec.34, T31N, R5W	Mesaverde
Dakota Dual)	S/2 Sec.34, T31N, R5W	Dakota
Rosa Unit #185B (Mesaverde/	S/2 Sec.16, T31N, R6W	Mesaverde
Dakota Dual)	S/2 Sec.16, T31N, R6W	Dakota
Rosa Unit #186 (Mesaverde/	N/2 Sec.27, T31N, R5W	Mesaverde
Dakota Dual)	N/2 Sec.27, T31N, R5W	Dakota
Rosa Unit #187B	W/2 Sec.21, T31N, R5W	Mesaverde
Rosa Unit #189 (Mesaverde/	E/2 Sec.21, T31N, R5W	Mesaverde
Dakota Dual)	E/2 Sec.21, T31N, R5W	Dakota
Rosa Unit #191	S/2 Sec.26, T31N, R5W	Mesaverde
Rosa Unit #192	E/2 Sec.35, T31N, R5W	Mesaverde
Rosa Unit #200A	E/2 Sec.29, T31N, R5W	Fruitland Coal
Rosa Unit #201A	E/2 Sec.22, T31N, R6W	Fruitland Coal
Rosa Unit #202A	W/2 Sec.23, T31N, R6W	Fruitland Coal
Rosa Unit #206A	N/2 Sec.24, T31N, R6W	Fruitland Coal
Rosa Unit #209A	S/2 Sec.24, T31N, R6W	Fruitland Coal
Rosa Unit #211A	E/2 Sec.26, T31N, R6W	Fruitland Coal
Rosa Unit #213A	E/2 Sec. 23, T31N, R6W	Fruitland Coal
Rosa Unit #215A	W/2 Sec.26, T31N, R6W	Fruitland Coal
Rosa Unit #218A	S/2 Sec.25, T31N, R6W	Fruitland Coal
Rosa Unit #223A	N/2 Sec.30, T31N, R5W	Fruitland Coal
Rosa Unit #224A	N/2 Sec.08, T31N, R6W	Fruitland Coal
Rosa Unit #229A	W/2 Sec.29, T31N, R5W	Fruitland Coal
Rosa Unit #230A	N/2 Sec.31, T31N, R5W	Fruitland Coal
Rosa Unit #231A	S/2 Sec.31, T31N, R5W	Fruitland Coal
Rosa Unit #233A	S/2 Sec.30, T31N, R5W	Fruitland Coal
Rosa Unit #234A	W/2 Sec.09, T31N, R6W	Fruitland Coal
Rosa Unit #236A	ALL Sec.05, T31N, R6W	Fruitland Coal
Rosa Unit Com #237A	ALL Sec.04, T31N, R6W	Fruitland Coal
Rosa Unit #242A	W/2 Sec.33, T32N, R6W	Fruitland Coal
Rosa Unit #256A	N/2 Sec.25, T31N, R6W	Fruitland Coal
Rosa Unit #259A	S/2 Sec.33, T31N, R5W	Fruitland Coal
Rosa Unit #260A	S/2 Sec.21, T31N, R6W	Fruitland Coal
Rosa Unit #268A	N/2 Sec.33, T31N, R5W	Fruitland Coal
Rosa Unit #269A	E/2 Sec.34, T31N, R5W	Fruitland Coal
Rosa Unit #270A	W/2 Sec.34, T31N, R5W	Fruitland Coal
Rosa Unit #273A	S/2 Sec.08, T31N, R6W	Fruitland Coal
Rosa Unit #274A	E/2 Sec.16, T31N, R6W	Fruitland Coal
Rosa Unit #276A	E/2 Sec.17,T31N, R6W	Fruitland Coal
Rosa Unit #277A	W/2 Sec.17, T31N, R6W	Fruitland Coal
Rosa Unit #332A	W/2 Sec.22, T31N, R6W	Fruitland Coal
Rosa Unit #334A	E/2 Sec.32, T31N, R5W	Fruitland Coal
Rosa Unit #337A	W/2 Sec.32, T31N, R5W	Fruitland Coal
Rosa Unit #338A	W/2 Sec.32, T32N, R6W	Fruitland Coal
Rosa Unit #339A	E/2 Sec.32, T32N, R6W	Fruitland Coal
Rosa Unit #341A	W/2 Sec.16, T31N, R6W	Fruitland Coal

Well Name	Drilling Block	Formation
Rosa Unit #342A	N/2 Sec.21, T31N, R6W	Fruitland Coal
Rosa Unit #347	W/2 Sec.11, T31N, R4W	Fruitland Coal
Rosa Unit #350	E/2 Sec.10, T31N, R5W	Fruitland Coal
Rosa Unit Com #355A	E/2 Sec.33, T32N, R6W	Fruitland Coal
Rosa Unit #360	W/2 Sec.09, T31N, R5W	Fruitland Coal
Rosa Unit #362	W/2 Sec.36, T31N, R5W	Fruitland Coal
Rosa Unit #364	W/2 Sec.05, T31N, R4W	Fruitland Coal
Rosa Unit #365	E/2 Sec.07, T31N, R4W	Fruitland Coal
Rosa Unit #367	W/2 Sec.09, T31N, R4W	Fruitland Coal
Rosa Unit #368	E/2 Sec.09, T31, R4W	Fruitland Coal
Rosa Unit #369	E/2 Sec.11, T31, R4W	Fruitland Coal
Rosa Unit #370	W/2 Sec.19, T31N, R4W	Fruitland Coal
Rosa Unit #372	W/2 Sec.31, T31N, R4W	Fruitland Coal
Rosa Unit #373	W/2 Sec.15, T31N, R5W	Fruitland Coal
Rosa Unit #374	N/2 Sec.16, T31N, R5W	Fruitland Coal
Rosa Unit #375	W/2 Sec.24, T31N, R5W	Fruitland Coal
Rosa Unit #376	N/2 Sec.25, T31N, R5W	Fruitland Coal
Rosa Unit #377	N/2 Sec.26, T31N, R5W	Fruitland Coal
Rosa Unit #378	E/2 Sec.27, T31N, R5W	Fruitland Coal

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided in the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

M. Vern Hansen, CPL
Staff Landman

Enclosures

cc: Working Interest Owners
Mike Turnbaugh
Kris Russell
Mitch Reeves
Tracy Ross
Jim Fullerton
Gary Sizemore
Lance Hobbs
John Thompson (Walsh Engineering)

APPROVED: _____ DATE:_____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED: _____ DATE:_____

Commissioner of Public Lands
Subject to like approval by the Area
Oil and Gas Supervisor and the Oil
Conservation Commission

APPROVED: _____ DATE: 4/15/03

Oil Conservation Commission
Subject to like approval by the Area
Oil and Gas Supervisor and the
Commissioner of Public Lands

The foregoing approvals are for the 2003 Plan of Development for the Rosa Unit I, Section No.587.

WORKING INTEREST OWNERS
ROSA UNIT

BP AMERICA
ATTN: BRYAN ANDERSON
501 WESTLAKE BOULEVARD
HOUSTON, TX 77079-3092

MS. ELIZABETH T. CALLOWAY
P.O. BOX 191767
DALLAS, TX 75219-1767

J. M. HUBER CORPORATION
ATTN: ANDY LYDYARD
1050 17TH STREET, SUITE 1850
DENVER, CO 80265

MR. J. GLENN TURNER, JR.
3838 OAK LAWN
SUITE 1600
DALLAS, TX 75219

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P O BOX 660197
DALLAS, TX 75266-0197

PATRICIA P. SCHIEFFER TRUST, BANK OF AMERICA, N.A. AGT
ATTN: JEFF ANDERSON
P.O. BOX 2546
FORT WORTH, TX 76113-2546

MR. WILLIAM G. WEBB
8226 DOUGLAS AVENUE, SUITE 709
DALLAS, TX 75225-5929

SACRAMENTO MUNICIPAL UTILITIES DISTRICT
ATTN: THOMAS INGWERS
P. O. BOX 15830
SACRAMENTO, CA 95852-1830

SCHULTZ MANAGEMENT, LTD.
500 N. AKARD, SUITE 2940
DALLAS, TX 75201

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

XTO ENERGY, INC.
ATTN: EDWIN S. RYAN, JR.
810 HOUSTON ST, STE 2000
FORT WORTH, TX 76102-6298

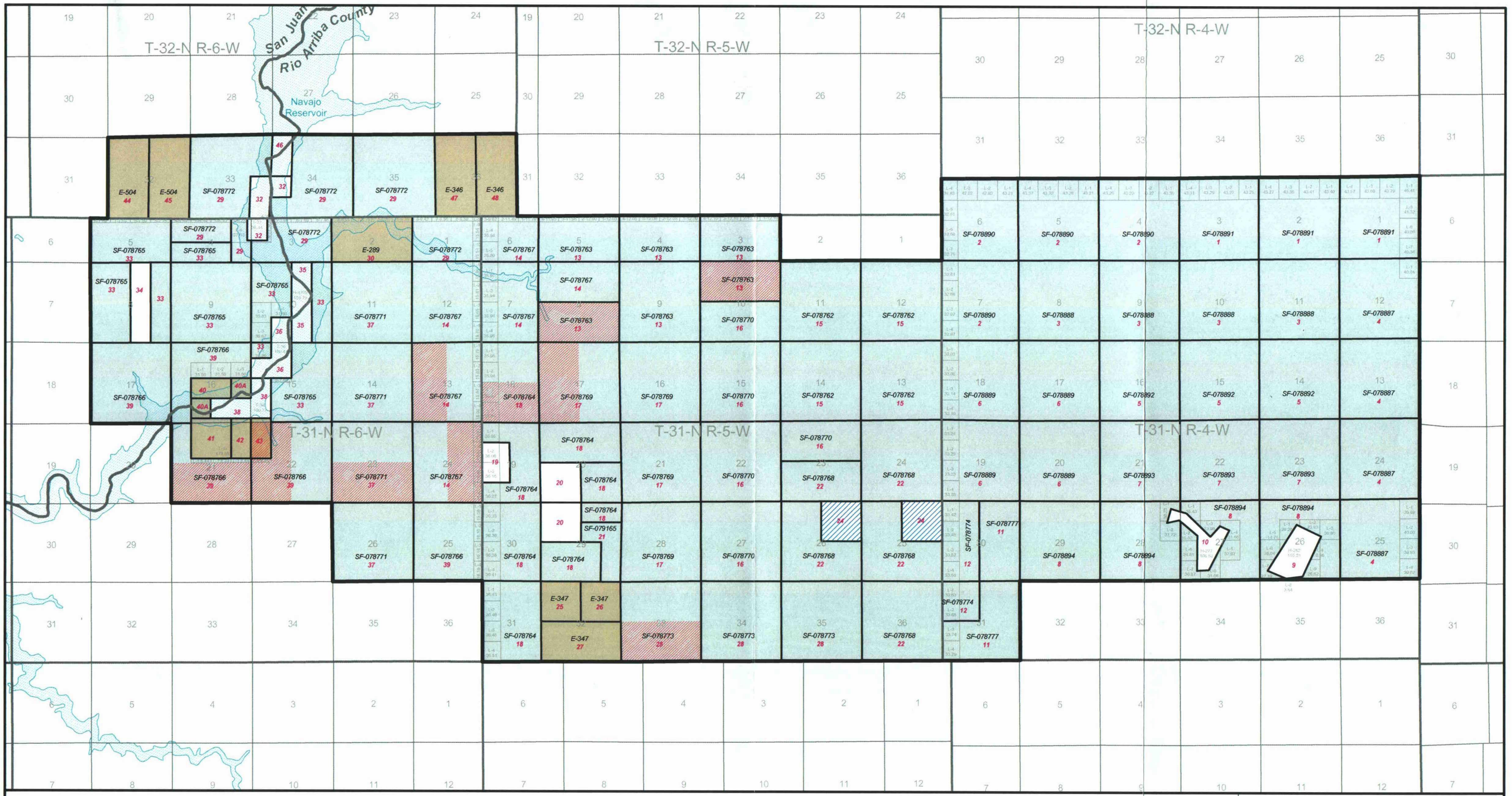
J. K. EDWARDS ASSOCIATES
ATTN: KEITH EDWARDS
1401 17th STREET, SUITE 1400
DENVER, CO 80202

MR. JOHN TURNER
PMB 285
317 SIDNEY BAKER SOUTH #400
KERRVILLE, TX 78028

THE WISER OIL COMPANY
ATTN: MATT EAGLESTON
8115 PRESTON ROAD, #400
DALLAS, TX 75225

HENRIETTA E. SCHULTZ, TRUSTEE
500 NORTH AKARD, SUITE 2940
DALLAS, TX 75201

PHILLIPS PETROLEUM COMPANY
ATTN: JIM BALL
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401



Dakota Participating Area

Land Type
- Federal
- Fee
- Partially Committed
- State

Rosa Unit Tract No.: XX

6000 0 6000 12000 Feet

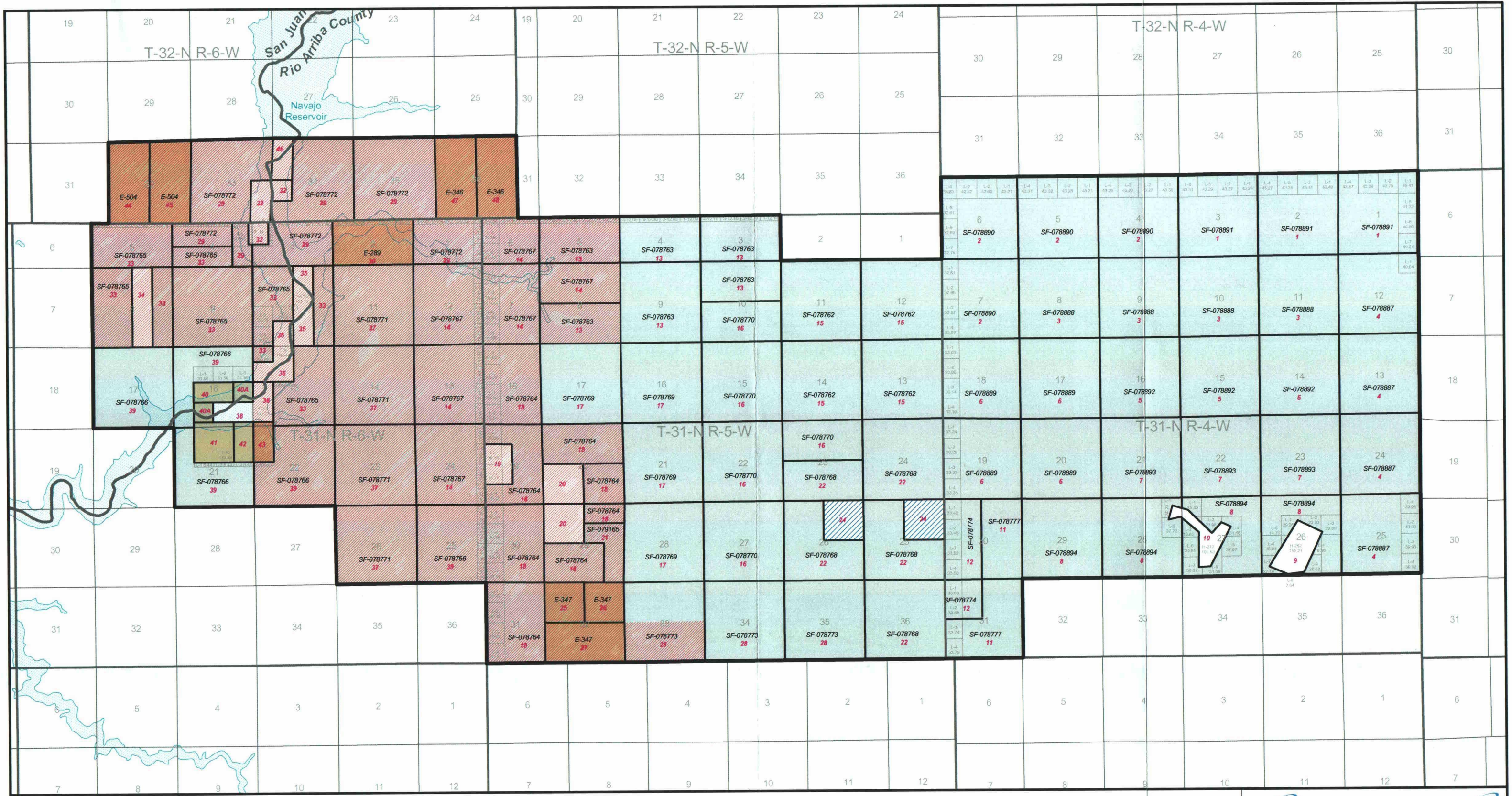
N W E S

Williams Exploration & Production Williams

Rosa Unit
San Juan & Rio Arriba County, NM

Scale: 1:72000	Projection: State Plane - 1983 New Mexico, West
Date: 03/31/2003	Author: Chuck Fessler

File Path:S:\GIS_Mapping\Projects\San Juan Basin\Maps\Rosa_Unit\rosa-unit.apr

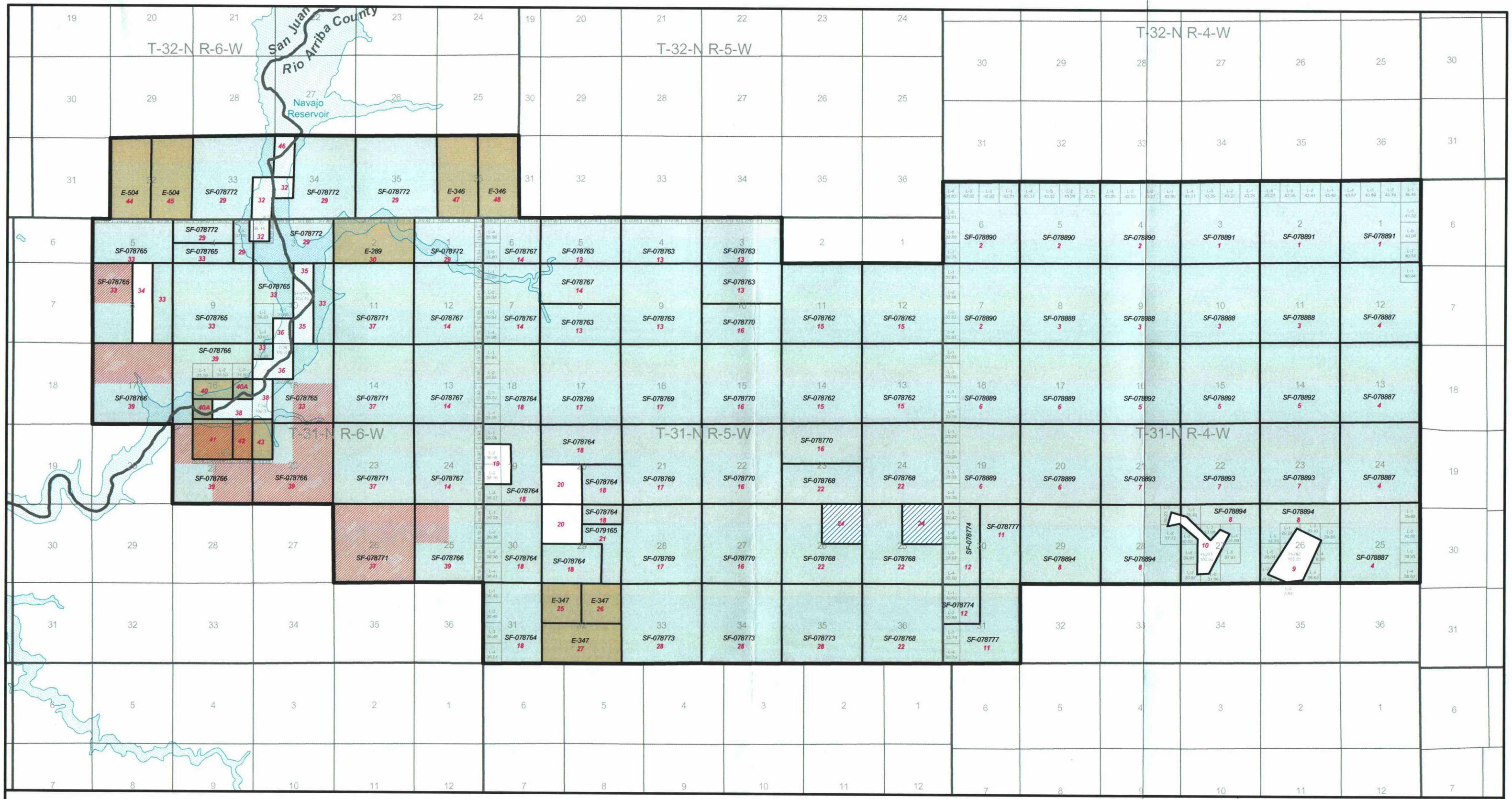


Williams Exploration & Production Williams

Rosa Unit
San Juan & Rio Arriba County, NM

Scale: 1:72000	Projection: State Plane - 1983 New Mexico, West
Date: 03/31/2003	Author: Chuck Fessler

File Path:S:\GIS_Mapping\Projects\San Juan Basin\Maps\Rosa_Unit\rosa-unit.apr



Pictured Cliffs Participating Area

Land Type
- Federal
- Fee
- Partially Committed
- State

Rosa Unit Tract No.: XX

6000 0 6000 12000 Feet

N W E S

Williams Exploration & Production Williams

Rosa Unit
San Juan & Rio Arriba County, NM

Scale: 1:72000	Projection: State Plane - 1983 New Mexico, West
Date: 03/31/2003	Author: Chuck Fessler

File Path:S:\GIS_Mapping\Projects\San Juan Basin\Maps\Rosa_Unit\rosa-unit.apr

PATRICK H. LYONS
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

310 OLD SANTA FE TRAIL
P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

COMMISSIONER'S OFFICE
Phone (505) 827-5760
Fax (505) 827-5766
www.nmstatelands.org

March 21, 2003

Williams Production Company
P. O. Box 3102
Tulsa, Oklahoma 74121-74101

Attention: Ms. Kristine Russell

Re: Rosa Unit
Pictured Cliffs Participating Area
Initial Expansion – Effective 7-16-1994
First Expansion – Effective 8-1-1994
Second Expansion – Effective 9-1-1994
Third Expansion – Effective 10-1-1994
Fourth Expansion – Effective 12-1-1994
Fifth Expansion – Effective 5-1-1998
Sixth Expansion – Effective 6-1-1999
Seventh Expansion – Effective 10-1-1999
San Juan and Rio Arriba Counties, New Mexico

Dear Ms. Russell:

We are in receipt of your letter of March 11, 2002 together with your application for approval of the Initial through Seventh expansions to the Pictured Cliffs participating area for the Rosa Unit.

The Bureau of Land Management approved the above-referenced expansions by their letter of December 26, 2002.

The commissioner of Public Lands concurs with the Bureau of Land Management and has this date approved the above-referenced Pictured Cliffs participating area expansions.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

PATRICK H. LYONS.
COMMISSIONER OF PUBLIC LANDS

BY: Anthony H. Mark
FOR JAMI BAILEY, Director
Oil, Gas and Minerals Division
(505) 827-5744
PL/JB/pm
pc: Reader File
BLM-Farmington Attn: Mr. Wayne Townsend
TRD-Attn Mr. Valdean Severson
OCD-Attn: Mr. Roy Johnson

PATRICK H. LYONS
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

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www.nmstatelands.org

February 24, 2003

Williams Production Company
P. O. Box 3102
Tulsa, Oklahoma 74121-74101

Attention: Ms. Kris Russell

Re: Rosa Unit
Commerciality Determinations
Mesaverde Formation
San Juan and Rio Arriba Counties, New Mexico

Dear Ms. Russell:

We are in receipt of your letter of July 23, 2002 together with the commercial determination data for 31 Rosa Unit wells recently completed in the Mesaverde formation.

The Bureau of Land Management, by their letter of September 13, 2002, concurred with your determination that the Rosa Unit Well Nos. 100E, 138, 139, 145A, 146, 147, 153, 168, 184, 185A, 187, 188, 31, 32, and 6Y, are capable of producing unitized substances in paying quantities from the Mesaverde formation. The Rosa Unit Well Nos. 132 and 184A are non-commercial in the Mesaverde formation and should be produced on a lease basis.

Please be advised that the Commissioner of Public Lands concurs with the Bureau of Land Management's determinations that the Rosa Unit Well Nos. 100E, 138, 139, 145A, 146, 147, 153, 168, 184, 185A, 187, 188, 31, 32, and 6Y are commercial wells and entitled to participate in the Mesaverde Participating Area. The Rosa Unit Well Nos. 132 and 184A are non-commercial and should be produced on a lease basis. The commerciality determinations are not necessary for the Rosa Unit Well Nos. 138A, 139A, 145, 147A, 153A, 168A, 170, 185, 188A, 31A, 31B, 31C, 32A and 32B because these wells are located in the same 320 acre gas pro-ration and spacing units as wells that were already determined to be commercial.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

PATRICK H. LYONS.
COMMISSIONER OF PUBLIC LANDS

BY:
JAMI BAILEY, Director
Oil, Gas and Minerals Division
(505) 827-5744
PL/JB/pm
pc: Reader File
BLM-Farmington Attn: Mr. Wayne Townsend
TRD-Attn Mr. Valdean Severson
OCD-Attn: Mr. Roy Johnson

PATRICK H. LYONS
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

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P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

COMMISSIONER'S OFFICE
Phone (505) 827-5760
Fax (505) 827-5766
www.nmstatelands.org

February 24, 2003

RECEIVED
FEB 27 2003
OIL CONSERVATION
DIVISION

Williams Production Company
P. O. Box 3102
Tulsa, Oklahoma 74121-74101

Attention: Ms. Kris Russell

Re: Rosa Unit
Commerciality Determinations
Dakota Formation
San Juan and Rio Arriba Counties, New Mexico

Dear Ms. Russell:

We are in receipt of your letter of May 28, 2002 together with the commercial determination data for 13 Rosa Unit wells recently completed in the Dakota formation.

The Bureau of Land Management, by their letter of June 25, 2002, concurred with your determination that the Rosa Unit Well Nos. 96, 1E, 15A, 148, 30, 159, 64M, 26A, 24A, 29M, and 185A, are capable of producing unitized substances in paying quantities from the Dakota formation. The Rosa Unit Well Nos. 9A and 101M are non-commercial and should be produced on a lease basis.

Please be advised that the Commissioner of Public Lands concurs with the Bureau of Land Management's determinations that the Rosa Unit Well Nos. 96, 1E, 15A, 148, 30, 159, 64M, 26A, 24A, 29M, and 185A, are commercial wells and entitled to participate in the Dakota Participating Area. The Rosa Unit Well Nos. 9A, and 101M are non-commercial and should be produced on a lease basis.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

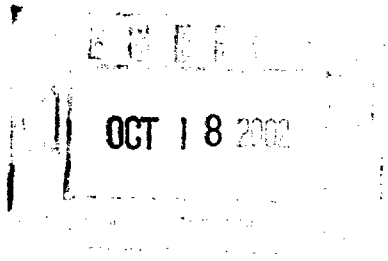
PATRICK H. LYONS.
COMMISSIONER OF PUBLIC LANDS

BY:
JAMI BAILEY, Director
Oil, Gas and Minerals Division
(505) 827-5744
PL/JB/pm
pc: Reader File
BLM-Farmington Attn: Mr. Wayne Townsend
TRD-Attn Mr. Valdean Severson
OCD-Attn: Mr. Roy Johnson

ENERGY SERVICES
One Williams Center
P.O. Box 3102
Tulsa, OK 74101-3102
918/573-2000

PROD-0-144-02

October 14, 2002



Assistant District Manager, Minerals (3 copies)
Bureau of Land Management
Farmington Resources Area
Attn: Ms. Geneva McDougall
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico (2 copies)
Commissioner of Public Lands
Attn: Mr. Pete Martinez
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico (2 copies)
Oil Conservation Division
Attn: Roy Johnson
1220 S. St. Francis
Santa Fe, NM 87505

Re: Rosa Unit I - Sec. 587
San Juan and Rio Arriba Counties, New Mexico
Dakota Participating Area

Tenth Expansion – Effective 12/1/93
Eleventh Expansion – Effective 11/1/94
Twelfth Expansion – Effective 8/1/95
Thirteenth Expansion – Effective 10/1/95
Fourteenth Expansion – Effective 9/1/96
Fifteenth Expansion – Effective 10/01/96
Sixteenth Expansion – Effective 11/1/96
Seventeenth Expansion – Effective 1/1/98
Eighteenth Expansion – Effective 9/1/00

Ladies & Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement I – Section Number 587, approved January 24, 1948, Williams Production Company, LLC, as Unit Operator, hereby respectfully requests approval of the referenced expansions for the Dakota Formation. Pursuant to the BLM letter, attached is a list of all wells that have been deemed commercial.

ROSA UNIT DAKOTA

Tenth Expansion – Effective 12/01/93

Total P/A Acres = 3335.75

Wells	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #96	39	T31N R6W, Sec. 17: W/2	320.00	SF078766

Eleventh Expansion – Effective 11/1/94

Total P/A Acres = 3655.75

Wells	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #1E	37	T31N R6W, Sec. 11: E/2	320.00	SF078771

Twelveth Expansion – August 1, 1995

Total P/A Acres = 4322.66

Wells	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit ##15A	18	T31N R5W, Sec. 29: W/2SE/4,SW/4	240	SF078764
	21	T31N R5W, Sec. 29: E/2SE/4	80	SF079165
Rosa Unit #148	30	T31N R6W, Sec. 2: Lots,6,7,8, S/2	346.91	E-289-53

Thirteenth Expansion – October 1, 1995

Total P/A Acres = 4434.40

Wells	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #125E	14	T31N R6W, Sec. 13: W/2SSE/4, Lots 3, 4	111.74	SF078767

ROSA UNIT DAKOTA

Fourteenth Expansion – September 1, 1996

Total P/A Acres = 4705.75

Wells	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #30	14	T31N R6W, Sec. 12: S/2	271.35	SF078767

Fifteenth Expansion – October 1, 1996

Total P/A Acres = 4938.18

Wells	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #159	18	T31N R5W, Sec. 19: E/2SE/4,SW/4SE/4 Lot 4	156.27	SF078764
	19	T31N R5W, Sec.19: NW/4SE/4, Lot 3	76.16	Fee

Sixteenth Expansion – November 1, 1996

Total P/A Acres = 5898.18

Wells	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #64M	18	T31N R5W, Sec. 29: N2NE/4	80.00	SF078764
	20	T31N R5W, Sec. 29: NW/4	160.00	Fee
	21	T31N R5W, Sec. 29: S/2NE/4,	80.00	SF079165
Rosa Unit #26A	26	T31N R5W, Sec. 32: NE/4	160.00	E-347-48
	27	T31N R5W, Sec. 32: SE/4	160.00	E-347-55
Rosa Unit #24A	25	T31N R5W, Sec. 32: NW/4	160.00	E-347-56
	27	T31N R5W, Sec. 32: SW/4	160.00	E-347-55

Seventeenth Expansion – January 1, 1998

Total P/A Acres = 6218.18

Wells	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #29M	45	T32N R6W, Sec. 32: E/2	320.00	E-504-19

ROSA UNIT DAKOTA

Eighteenth Expansion – September 1, 2000

Total P/A Acres = 6538.18

Wells	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #185A	38	T31N R6W, Sec. 16: S/2SE/4	80.00	Fee
	39	T31N R6W, Sec. 16: W/2SW/4	80.00	SF078766
	40	T31N R6W, Sec. 16: NW/4SE/4,NE/4SW/4	63.00	E-346-20
	40A	T31N R6W, Sec. 16: NE/4SE/4,SE/4W/4	71.50	E-346-22
	41	T31N R6W, Sec. 16: Portions of State Lease E-289 lying in SE/4SW/4 and SW/4SE/4	17.00	E-289
	42	T31N R6W, Sec. 16: Portions of State Lease E-289 lying in SE/4SE/4	8.50	E-289-50

Attached hereto are the schedules for the Tenth through the Eighteenth Expansions for the participating area. The schedules describe the participating area, show the percentages of ownership in the tracts, and show the percentages of unitized substances allocated to each unitized tract. Also included is a map reflecting the boundaries of the unit and the proposed Dakota Participating Area within the Rosa Unit.

If these proposed Expansions as set forth herein meets with your approval, please indicate such approval in the space provided on the attached sheet and return an approved copy for our files.

Copies of this application are being sent to the Working Interest Owners shown on the attached sheet. If you have any questions or need any additional information, please contact the undersigned at (918) 573-6181.

Sincerely,

Kristine Russell
Senior Production Analyst

Cc: Working Interest Owners
Rosa DK File

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Commission

APPROVED_____DATE _____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the Commissioner of Public Lands
And the Oil Conservation Commission

APPROVED_____DATE_____
Commissioner of Public lands
Subject to like approval by the Area Oil & Gas Supervisor
And the Oil Conservation Commission

APPROVED _____DATE_____
Oil Conservation Commission
Subject to like approval by the Area Oil & Gas Supervisor
And the Commissioners of Public Lands

The foregoing are approvals for the Tenth through the Eighteenth Expansions in the Dakota Formation of the Rosa Unit I - Sec. 587.

WORKING INTEREST OWNERS
ROSA UNIT DAKOTA

BP Amoco Production Company
ATTN: San Juan Asset Team
P.O. Box 3092
Houston, TX 77253-3092

Mr. Fred E. Turner
One Energy Square, #852
4925 Greenville Avenue
Dallas, TX 75206-4079

Mary Frances Turner, Jr Trust
ATTN: Iris Gleiser
P.O. Box 660197
Dallas, TX 75266-0197

The Wiser Oil Company
ATTN: Matt Eagleston
8115 Preston Road, #400
Dallas, TX 75225

Ms. Elizabeth T. Calloway
P.O. Box 191767
Dallas, TX 75219-1767

Mr. J. Glenn Turner, Jr.
3838 Oak Lawn
Suite 1600
Dallas, TX 75219

Mr. John Turner
PMB 285
317 Sidney Baker South #400
Kerrville, TX 78028

SCHEDULE XI
TENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
			Tract 13			9.593045%
SF-078763	T31N R5W	320.00	WORKING INTEREST			
	Sec 8: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #80		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 13A			9.593045%
SF-078763	T31N R5W	320.00	Williams Production Co. LLC	100.000000%	81.250000%	
	Sec 10: N/2		ROYALTY		12.500000%	
	Rosa #70		ORRI		6.250000%	
				100.000000%	**100.000000%**	
SF-078767	T31N R6W	543.92	**Tract 14**			16.305778%
	Sec 13: W/2		WORKING INTEREST			
	Sec 24: Lots 1,2,3,4, W/2E/2 (E2)		Amoco Production Company	100.000000%	87.500000%	
	Rosa #66, Rosa #66M (INF),		ROYALTY		12.500000%	
	Rosa #116		ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 17			9.593045%
	T31N R5W	320.00	WORKING INTEREST			
SF-078769	Sec 17: W/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #68, Rosa #31B (INF)		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 18			6.949861%
	T31N R5W	231.83	WORKING INTEREST			
SF-078764	Sec 18: LOTS 3,4, SE/4 (S/2)		Amoco Production Company	100.000000%	87.500000%	
	Rosa #119		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 28			9.593045%
SF-078773	T31N R5W	320.00	WORKING INTEREST			
	Sec 33: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #77, Rosa #77A (INF)		ROYALTY		12.500000%	
			ORRI	0.000000%	0.000000%	
				100.000000%	**100.000000%**	
SF-078771	T31N R6W	320.00	**TRACT 37**			9.593045%
	Sec 23: S/2		WORKING INTEREST			
	Rosa #98		Amoco Production Company	100.000000%	87.500000%	
			ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 39			26.632991%
SF-078766	T31N R6W	888.41	WORKING INTEREST			
	Sec 21: S/2		Amoco Production Company *	100.000000%	87.500000%	
	Sec 22: Lot 4, E/2NW/4, SW/4		ROYALTY		12.500000%	
	Sec 17: W/2		ORRI		0.000000%	
	Rosa #96, Rosa #79, Rosa #100					
	Rosa #79B (INF)					
				100.000000%	**100.000000%**	

SCHEDULE XI
TENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

			Tract 43			2.146144%
E-289-50	T31N R6W	71.59	WORKING INTEREST			
	Sec 22: Portion of Tract 40		Williams Production Co. LLC	100.000000%	82.500000%	
	Lying in W/2NW/4		ROYALTY		12.500000%	
	Rosa #79, Rosa #79B		ORRI		5.000000%	
				100.000000%	**100.000000%**	
		3335.75				**100.000000%**

SCHEDULE XII
ELEVENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
			Tract 13			8.753334%
SF-078763	T31N R5W	320.00	WORKING INTEREST			
	Sec 8: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #80		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 13A			8.753334%
SF-078763	T31N R5W	320.00	Williams Production Co. LLC	100.000000%	81.250000%	
	Sec 10: N/2		ROYALTY		12.500000%	
	Rosa #70		ORRI		6.250000%	
				100.000000%	**100.000000%**	
SF-078767	T31N R6W	543.92	**Tract 14**			14.878479%
	Sec 13: W/2		WORKING INTEREST			
	Sec 24: Lots 1,2,3,4, W/2E/2 (E2)		Amoco Production Company	100.000000%	87.500000%	
	Rosa #66, Rosa #66M (INF),		ROYALTY		12.500000%	
	Rosa #116		ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 17			8.753334%
	T31N R5W	320.00	WORKING INTEREST			
SF-078769	Sec 17: W/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #68, Rosa #31B (INF)		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 18			6.341517%
	T31N R5W	231.83	WORKING INTEREST			
SF-078764	Sec 18: LOTS 3,4, SE/4 (S/2)		Amoco Production Company	100.000000%	87.500000%	
	Rosa #119		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 28			8.753334%
SF-078773	T31N R5W	320.00	WORKING INTEREST			
	Sec 33: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #77, Rosa #77A (INF)		ROYALTY		12.500000%	
			ORRI	0.000000%	0.000000%	
				100.000000%	**100.000000%**	
SF-078771	T31N R6W	640.00	**TRACT 37**			17.506668%
	Sec 23: S/2		WORKING INTEREST			
	Sec 11: E/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #98, Rosa #1E		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 39			24.301716%
SF-078766	T31N R6W	888.41	WORKING INTEREST			
	Sec 21: S/2		Amoco Production Company *	100.000000%	87.500000%	
	Sec 22: Lot 4, E/2NW/4, SW/4		ROYALTY		12.500000%	
	Sec 17: W/2		ORRI		0.000000%	
	Rosa #96, Rosa #79, Rosa #100					
	Rosa #79B (INF)					
				100.000000%	**100.000000%**	

SCHEDULE XII
ELEVENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

			Tract 43			1.958285%
E-289-50	T31N R6W	71.59	WORKING INTEREST			
	Sec. 22: Portion of Tract 40		Williams Production Co. LLC	100.000000%	82.500000%	
	Lying in W/2 NW/4		ROYALTY		12.500000%	
	Rosa #79, Rosa #79B		ORRI		5.000000%	
				100.000000%	**100.000000%**	
		3655.75				**100.000000%**

SCHEDULE XIII
TWELVETH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
			Tract 13			7.402849%
SF-078763	T31N R5W	320.00	WORKING INTEREST			
	Sec 8: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #80		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 13A			7.402849%
SF-078763	T31N R5W	320.00	Williams Production Co. LLC	100.000000%	81.250000%	
	Sec 10: N/2		ROYALTY		12.500000%	
	Rosa #70		ORRI		6.250000%	
				100.000000%	**100.000000%**	
SF-078767	T31N R6W	543.92	**Tract 14**			12.582993%
	Sec 13: W/2		WORKING INTEREST			
	Sec 24: Lots 1,2,3,4, W/2E/2 (E2)		Amoco Production Company	100.000000%	87.500000%	
	Rosa #66, Rosa #66M (INF),		ROYALTY		12.500000%	
	Rosa #116		ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 17			7.402849%
	T31N R5W	320.00	WORKING INTEREST			
SF-078769	Sec 17: W/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #68, Rosa #31B (INF)		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 18			10.915270%
	T31N R5W	471.83	WORKING INTEREST			
SF-078764	Sec 18: LOTS 3,4, SE/4 (S/2)		Amoco Production Company	100.000000%	87.500000%	
	Sec 29: W/2SE/4,SW/4		ROYALTY		12.500000%	
	Rosa #119, Rosa #15A		ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 21			1.850712%
	T31N R5W	80.00	WORKING INTEREST			
SF-079165	Sec 29: E/2SE/4		Amoco Production Company	100.000000%	87.500000%	
	Rosa #15A		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 28			7.402849%
SF-078773	T31N R5W	320.00	WORKING INTEREST			
	Sec 33: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #77, Rosa #77A (INF)		ROYALTY		12.500000%	
			ORRI	0.000000%	0.000000%	
				100.000000%	**100.000000%**	
			Tract 30			
E-289-53	T31N R6W	346.91	WORKING INTEREST			8.025383%
	Sec 2: Lots 6,7,8, & S/2		Amoco Production Company	1.000000%	85.000000%	
	Rosa #148		Williams Production Co, LLC			
			ROYALTY		12.500000%	
			ORRI		2.500000%	
				1.000000%	**100.000000%**	

SCHEDULE XIII
TWELVETH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

			Tract 31			
VB0435	T31N R6W Sec 2: Lots 5, Rosa #148 This tract is not committed to the unit					0.000000%
SF-078771	T31N R6W	640.00	**TRACT 37**			14.805698%
	Sec 23: S/2		WORKING INTEREST			
	Sec 11: E/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #98, Rosa #1E		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 39			20.552391%
SF-078766	T31N R6W	888.41	WORKING INTEREST			
	Sec 21: S/2		Amoco Production Company *	100.000000%	87.500000%	
	Sec 22: Lot 4, E/2NW/4, SW/4		ROYALTY		12.500000%	
	Sec 17: W/2		ORRI		0.000000%	
	Rosa #96, Rosa #79, Rosa #100					
	Rosa #79B (INF)					
				100.000000%	**100.000000%**	
			Tract 43			1.656156%
E-289-50	T31N R6W	71.59	WORKING INTEREST			
	Sec 22: Portion of Tract 40		Williams Production Co. LLC	100.000000%	82.500000%	
	Lying in W/2NW/4		ROYALTY		12.500000%	
	Rosa #79, Rosa #79B		ORRI		5.000000%	
				100.000000%	**100.000000%**	
		4322.66				**100.000000%**

SCHEDULE XIV
THIRTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
			Tract 13			7.216309%
SF-078763	T31N R5W	320.00	WORKING INTEREST			
	Sec 8: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #80		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 13A			7.216309%
SF-078763	T31N R5W	320.00	Williams Production Co. LLC	100.000000%	81.250000%	
	Sec 10: N/2		ROYALTY		12.500000%	
	Rosa #70		ORRI		6.250000%	
				100.000000%	**100.000000%**	
SF-078767	T31N R6W	655.66	**Tract 14**			14.785766%
	Sec 13: W/2,W/2SE/4, Lots 3 & 4		WORKING INTEREST			
	Sec 24: Lots 1,2,3,4, W/2E/2 (E2)		Amoco Production Company	100.000000%	87.500000%	
	Rosa #66, Rosa #66M (INF),		ROYALTY		12.500000%	
	Rosa #116, Rosa #125E		ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 17			7.216309%
	T31N R5W	320.00	WORKING INTEREST			
SF-078769	Sec 17: W/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #68, Rosa #31B (INF)		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 18			10.640222%
	T31N R5W	471.83	WORKING INTEREST			
SF-078764	Sec 18: LOTS 3,4, SE/4 (S/2)		Amoco Production Company	100.000000%	87.500000%	
	Sec 29: W/2SE/4,SW/4		ROYALTY		12.500000%	
	Rosa #119, Rosa #15A		ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 21			1.804077%
	T31N R5W	80.00	WORKING INTEREST			
SF-079165	Sec 29: E/2SE/4		Amoco Production Company	100.000000%	87.500000%	
	Rosa #15A		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 28			7.216309%
SF-078773	T31N R5W	320.00	WORKING INTEREST			
	Sec 33: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #77, Rosa #77A (INF)		ROYALTY		12.500000%	
			ORRI	0.000000%	0.000000%	
				100.000000%	**100.000000%**	
			Tract 30			
E-289-53	T31N R6W	346.91	WORKING INTEREST			7.823155%
	Sec 2: Lots 6,7,8, & S/2		Amoco Production Company	1.000000%	85.000000%	
	Rosa #148		Williams Production Co, LLC			
			ROYALTY		12.500000%	
			ORRI		2.500000%	
				1.000000%	**100.000000%**	

SCHEDULE XIV
THIRTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

			Tract 31			
VB0435	T31N R6W Sec 2: Lots 5, Rosa #148 This tract is not committed to the unit					0.000000%
SF-078771	T31N R6W	640.00	**TRACT 37**			14.432618%
	Sec 23: S/2		WORKING INTEREST			
	Sec 11: E/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #98, Rosa #1E		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 39			20.034503%
SF-078766	T31N R6W	888.41	WORKING INTEREST			
	Sec 21: S/2		Amoco Production Company *	100.000000%	87.500000%	
	Sec 22: Lot 4, E/2NW/4, SW/4		ROYALTY		12.500000%	
	Sec 17: W/2		ORRI		0.000000%	
	Rosa #96, Rosa #79, Rosa #100 Rosa #79B (INF)					
				100.000000%	**100.000000%**	
			Tract 43			1.614424%
E-289-50	T31N R6W	71.59	WORKING INTEREST			
	Sec 22: Portion of Tract 40		Williams Production Co. LLC	100.000000%	82.500000%	
	Lying in W/2NW/4		ROYALTY		12.500000%	
	Rosa #79, Rosa #79B		ORRI		5.000000%	
				100.000000%	**100.000000%**	
		4434.40				**100.000000%**

SCHEDULE XV
FOURTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
			Tract 13			6.800191%
SF-078763	T31N R5W	320.00	WORKING INTEREST			
	Sec 8: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #80		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 13A			6.800191%
SF-078763	T31N R5W	320.00	Williams Production Co. LLC	100.000000%	81.250000%	
	Sec 10: N/2		ROYALTY		12.500000%	
	Rosa #70		ORRI		6.250000%	
				100.000000%	**100.000000%**	
SF-078767	T31N R6W	927.01	**Tract 14**			19.699517%
	Sec 12: S/2 (271.35)		WORKING INTEREST			
	Sec 13: W/2, W/2SE/4, Lots 3 & 4		Amoco Production Company	100.000000%	87.500000%	
	Sec 24: Lots 1,2,3,4, W/2E/2 (E2)		ROYALTY		12.500000%	
	Rosa #66, Rosa #66M (INF),		ORRI		0.000000%	
	Rosa #116, Rosa #125E,					
	Rosa #30, Rosa #30B (INF)					
				100.000000%	**100.000000%**	
			Tract 17			6.800191%
	T31N R5W	320.00	WORKING INTEREST			
SF-078769	Sec 17: W/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #68, Rosa #31B (INF)		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 18			10.026670%
	T31N R5W	471.83	WORKING INTEREST			
SF-078764	Sec 18: LOTS 3,4, SE/4 (S/2)		Amoco Production Company	100.000000%	87.500000%	
	Sec 29: W/2SE/4,SW/4		ROYALTY		12.500000%	
	Rosa #119, Rosa #15A		ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 21			1.700048%
	T31N R5W	80.00	WORKING INTEREST			
SF-079165	Sec 29: E/2SE/4		Amoco Production Company	100.000000%	87.500000%	
	Rosa #15A		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 28			6.800191%
SF-078773	T31N R5W	320.00	WORKING INTEREST			
	Sec 33: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #77, Rosa #77A (INF)		ROYALTY		12.500000%	
			ORRI	0.000000%	0.000000%	
				100.000000%	**100.000000%**	
			Tract 30			
E-289-53	T31N R6W	346.91	WORKING INTEREST			7.372045%
	Sec 2: Lots 6,7,8, & S/2		Amoco Production Company	1.000000%	85.000000%	
	Rosa #148		Williams Production Co, LLC			
			ROYALTY		12.500000%	
			ORRI		2.500000%	
				1.000000%	**100.000000%**	

SCHEDULE XV
FOURTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

			Tract 31			
VB0435	T31N R6W Sec 2: Lots 5, Rosa #148 This tract is not committed to the unit					0.000000%
SF-078771	T31N R6W Sec 23: S/2 Sec 11: E/2 Rosa #98, Rosa #1E	640.00	**TRACT 37** WORKING INTEREST Amoco Production Company ROYALTY ORRI	 100.000000% **100.000000%**	 87.500000% 12.500000% 0.000000% **100.000000%**	13.600383%
			Tract 39			18.879243%
SF-078766	T31N R6W Sec 21: S/2 Sec 22: Lot 4, E/2NW/4, SW/4 Sec 17: W/2 Rosa #96, Rosa #79, Rosa #100 Rosa #79B (INF)	888.41	WORKING INTEREST Amoco Production Company * ROYALTY ORRI	 100.000000% **100.000000%**	 87.500000% 12.500000% 0.000000% **100.000000%**	
			Tract 43			1.521330%
E-289-50	T31N R6W Sec 22: Portion of Tract 40 Lying in W/2NW/4 Rosa #79, Rosa #79B	71.59	WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	 100.000000% **100.000000%**	 82.500000% 12.500000% 5.000000% **100.000000%**	
		4705.75				**100.000000%**

SCHEDULE XVI
FIFTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
			Tract 13			6.480120%
SF-078763	T31N R5W	320.00	WORKING INTEREST			
	Sec 8: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #80		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 13A			6.480120%
SF-078763	T31N R5W	320.00	Williams Production Co. LLC	100.000000%	81.250000%	
	Sec 10: N/2		ROYALTY		12.500000%	
	Rosa #70		ORRI		6.250000%	
				100.000000%	**100.000000%**	
SF-078767	T31N R6W	927.01	**Tract 14**			18.772301%
	Sec 12: S/2 (271.35)		WORKING INTEREST			
	Sec 13: W/2, W/2SE/4, Lots 3 & 4		Amoco Production Company	100.000000%	87.500000%	
	Sec 24: Lots 1,2,3,4, W/2E/2 (E2)		ROYALTY		12.500000%	
	Rosa #66, Rosa #66M (INF),		ORRI		0.000000%	
	Rosa #116, Rosa #125E,					
	Rosa #30, Rosa #30B (INF)					
				100.000000%	**100.000000%**	
			Tract 17			6.480120%
	T31N R5W	320.00	WORKING INTEREST			
SF-078769	Sec 17: W/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #68, Rosa #31B (INF)		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 18			12.719261%
	T31N R5W	628.10	WORKING INTEREST			
SF-078764	Sec 18: LOTS 3,4, SE/4 (S/2)		Amoco Production Company	100.000000%	87.500000%	
	Sec 19: E/2SE/4,SW/4SE/4, Lot 4		ROYALTY		12.500000%	
	Sec 29: W/2SE/4,SW/4		ORRI		0.000000%	
	Rosa #119, Rosa #15A, Rosa #159					
				100.000000%	**100.000000%**	
			Tract 19			1.542269%
Miguel A.	T31N R5W	76.16	WORKING INTEREST			
Gonzales et ux	Sec 19: NW/4SE/4, Lot 3		Amoco Production Company	100.000000%	87.500000%	
	Rosa #159		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 21			1.620030%
	T31N R5W	80.00	WORKING INTEREST			
SF-079165	Sec 29: E/2SE/4		Amoco Production Company	100.000000%	87.500000%	
	Rosa #15A		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 28			6.480120%
SF-078773	T31N R5W	320.00	WORKING INTEREST			
	Sec 33: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #77, Rosa #77A (INF)		ROYALTY		12.500000%	
			ORRI	0.000000%	0.000000%	
				100.000000%	**100.000000%**	

SCHEDULE XVI
FIFTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

			Tract 30			
E-289-53	T31N R6W	346.91	WORKING INTEREST			7.025058%
	Sec 2: Lots 6,7,8, & S/2		Amoco Production Company	1.000000%	85.000000%	
	Rosa #148		Williams Production Co, LLC			
			ROYALTY		12.500000%	
			ORRI		2.500000%	
				1.000000%	**100.000000%**	
			Tract 31			
VB0435	T31N R6W					0.000000%
	Sec 2: Lots 5,					
	Rosa #148					
	This tract is not committed to					
	the unit					
SF-078771	T31N R6W	640.00	**TRACT 37**			12.960240%
	Sec 23: S/2		WORKING INTEREST			
	Sec 11: E/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #98, Rosa #1E		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 39			17.990636%
SF-078766	T31N R6W	888.41	WORKING INTEREST			
	Sec 21: S/2		Amoco Production Company *	100.000000%	87.500000%	
	Sec 22: Lot 4, E/2NW/4, SW/4		ROYALTY		12.500000%	
	Sec 17: W/2		ORRI		0.000000%	
	Rosa #96, Rosa #79, Rosa #100					
	Rosa #79B (INF)					
				100.000000%	**100.000000%**	
			Tract 43			1.449724%
E-289-50	T31N R6W	71.59	WORKING INTEREST			
	Sec 22: Portion of Tract 40		Williams Production Co. LLC	100.000000%	82.500000%	
	Lying in W/2NW/4		ROYALTY		12.500000%	
	Rosa #79, Rosa #79B		ORRI		5.000000%	
				100.000000%	**100.000000%**	
		4938.18				**100.000000%**

SCHEDULE XVII
SIXTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
			Tract 13			5.425402%
SF-078763	T31N R5W	320.00	WORKING INTEREST			
	Sec 8: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #80		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 13A			5.425402%
SF-078763	T31N R5W	320.00	Williams Production Co. LLC	100.000000%	81.250000%	
	Sec 10: N/2		ROYALTY		12.500000%	
	Rosa #70		ORRI		6.250000%	
				100.000000%	**100.000000%**	
SF-078767	T31N R6W	927.01	**Tract 14**			15.716882%
	Sec 12: S/2 (271.35)		WORKING INTEREST			
	Sec 13: W/2, W/2SE/4, Lots 3 & 4		Amoco Production Company	100.000000%	87.500000%	
	Sec 24: Lots 1,2,3,4, W/2E/2 (E/2)		ROYALTY		12.500000%	
	Rosa #66, Rosa #66M (INF),		ORRI		0.000000%	
	Rosa #116, Rosa #125E,					
	Rosa #30, Rosa #30B (INF)					
				100.000000%	**100.000000%**	
			Tract 17			5.425402%
	T31N R5W	320.00	WORKING INTEREST			
SF-078769	Sec 17: W/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #68, Rosa #31B (INF)		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 18			12.005398%
	T31N R5W	708.10	WORKING INTEREST			
SF-078764	Sec 18: LOTS 3,4, SE/4 (S/2)		Amoco Production Company	100.000000%	87.500000%	
	Sec 19: E/2SE/4,SW/4SE/4, Lot 4		ROYALTY		12.500000%	
	Sec 29: W/2SE/4,SW/4,N/2NE/4		ORRI		0.000000%	
	Rosa #119, Rosa #15A, Rosa #159					
	Rosa #64M, Rosa #64					
				100.000000%	**100.000000%**	
			Tract 19			1.291246%
Miguel A.	T31N R5W	76.16	WORKING INTEREST			
Gonzales et ux	Sec 19: NW/4SE/4, Lot 3		Amoco Production Company	100.000000%	87.500000%	
	Rosa #159		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 20			2.712701%
Manuel C.	T31N R5W	160.00	WORKING INTEREST			
Candelaria et ux	Sec 29: NW/4		Amoco Production Company	100.000000%	87.500000%	
	Rosa #64M, Rosa #64		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	

SCHEDULE XVII
SIXTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

			Tract 21			2.712701%
	T31N R5W	160.00	WORKING INTEREST			
SF-079165	Sec 29: S/2NE/4,E/2SE/4		Amoco Production Company	100.000000%	87.500000%	
	Rosa #64M, Rosa #64, Rosa #15A		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
	T31N R5W		**Tract 25**			2.712701%
E-347-56	Sec 32: NW/4	160.00	WORKING INTEREST			
	Rosa #24A, Rosa #24B (INF)		Amoco Production Company	13.055401%	11.423477%	
	Rosa #24C (INF)		Williams Production	56.944599%	49.826523%	
			Fred. E. Turner *	6.000000%	5.250000%	
			Elizabeth T. Calloway *	6.000000%	5.250000%	
			J. Glenn Turner *	6.000000%	5.250000%	
			John Lee Turner *	6.000000%	5.250000%	
			Mary F. Turner, Jr Trust *	6.000000%	5.250000%	
			ROYALTY		12.500000%	
			ORRI			
				100.000000%	**100.000000%**	
			Tract 26			2.712701%
	T31N R5W	160.00	WORKING INTEREST			
E-347-48	Sec 32: NE/4		Amoco Production Company	100.000000%	87.500000%	
	Rosa #26A		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
	T31N R5W		**Tract 27**			5.425402%
E-347-55	Sec 32: SE/4, SW/4	320.00	WORKING INTEREST			
	Rosa #26A, Rosa #26B (INF)		Williams Production	50.000000%	32.812500%	
	Rosa #24A, Rosa #24B (INF)		Fred. E. Turner *	10.000000%	6.562500%	
	Rosa #24C (INF)		Elizabeth T. Calloway *	10.000000%	6.562500%	
			J. Glenn Turner *	10.000000%	6.562500%	
			John Lee Turner *	10.000000%	6.562500%	
			Mary F. Turner, Jr Trust *	10.000000%	6.562500%	
			ROYALTY		12.500000%	
			ORRI		21.875000%	
				100.000000%	**100.000000%**	
			Tract 28			5.425402%
SF-078773	T31N R5W	320.00	WORKING INTEREST			
	Sec 33: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #77, Rosa #77A (INF)		ROYALTY		12.500000%	
			ORRI	0.000000%	0.000000%	
				100.000000%	**100.000000%**	
			Tract 30			
E-289-53	T31N R6W	346.91	WORKING INTEREST			5.881645%
	Sec 2: Lots 6,7,8, & S/2		Amoco Production Company	1.000000%	85.000000%	
	Rosa #148		Williams Production Co, LLC			
			ROYALTY		12.500000%	
			ORRI		2.500000%	
				1.000000%	**100.000000%**	

SCHEDULE XVII
SIXTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

			Tract 31			
VB0435	T31N R6W Sec 2: Lots 5, Rosa #148 This tract is not committed to the unit					0.000000%
SF-078771	T31N R6W Sec 23: S/2 Sec 11: E/2 Rosa #98, Rosa #1E	640.00	**TRACT 37** WORKING INTEREST Amoco Production Company ROYALTY ORRI	 100.000000% **100.000000%**	 87.500000% 12.500000% 0.000000% **100.000000%**	10.850805%
			Tract 39			15.062443%
SF-078766	T31N R6W Sec 21: S/2 Sec 22: Lot 4, E/2NW/4, SW/4 Sec 17: W/2 Rosa #96, Rosa #79, Rosa #100 Rosa #79B (INF)	888.41	WORKING INTEREST Amoco Production Company * ROYALTY ORRI	 100.000000% **100.000000%**	 87.500000% 12.500000% 0.000000% **100.000000%**	
			Tract 43			1.213764%
E-289-50	T31N R6W Sec 22: Portion of Tract 40 Lying in W/2NW/4 Rosa #79, Rosa #79B	71.59	WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	 100.000000% **100.000000%**	 82.500000% 12.500000% 5.000000% **100.000000%**	
		5898.18				**100.000000%**

SCHEDULE XVIII
SEVENTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
			Tract 13			5.146200%
SF-078763	T31N R5W	320.00	WORKING INTEREST			
	Sec 8: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #80		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 13A			5.146200%
SF-078763	T31N R5W	320.00	Williams Production Co. LLC	100.000000%	81.250000%	
	Sec 10: N/2		ROYALTY		12.500000%	
	Rosa #70		ORRI		6.250000%	
				100.000000%	**100.000000%**	
SF-078767	T31N R6W	927.01	**Tract 14**			14.908060%
	Sec 12: S/2 (271.35)		WORKING INTEREST			
	Sec 13: W/2, W/2SE/4, Lots 3 & 4		Amoco Production Company	100.000000%	87.500000%	
	Sec 24: Lots 1,2,3,4, W/2E/2 (E2)		ROYALTY		12.500000%	
	Rosa #66, Rosa #66M (INF),		ORRI		0.000000%	
	Rosa #116, Rosa #125E,					
	Rosa #30, Rosa #30B (INF)					
				100.000000%	**100.000000%**	
			Tract 17			5.146200%
	T31N R5W	320.00	WORKING INTEREST			
SF-078769	Sec 17: W/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #68, Rosa #31B (INF)		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 18			11.387576%
	T31N R5W	708.10	WORKING INTEREST			
SF-078764	Sec 18: LOTS 3,4, SE/4 (S/2)		Amoco Production Company	100.000000%	87.500000%	
	Sec 19: E/2SE/4,SW/4SE/4, Lot 4		ROYALTY		12.500000%	
	Sec 29: W/2SE/4,SW/4,N/2NE/4		ORRI		0.000000%	
	Rosa #119, Rosa #15A, Rosa #159					
	Rosa #64M, Rosa #64					
				100.000000%	**100.000000%**	
			Tract 19			1.224796%
Miguel A	T31N R5W	76.16	WORKING INTEREST			
Gonzales et ux	Sec 19: NW/4SE/4, Lot 3		Amoco Production Company	100.000000%	87.500000%	
	Rosa #159		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 20			2.573100%
Manuel C.	T31N R5W	160.00	WORKING INTEREST			
Candelaria et ux	Sec 29: NW/4		Amoco Production Company	100.000000%	87.500000%	
	Rosa #64M, Rosa #64		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 21			2.573100%
	T31N R5W	160.00	WORKING INTEREST			
SF-079165	Sec 29: S/2NE/4,E/2SE/4		Amoco Production Company	100.000000%	87.500000%	
	Rosa #64M, Rosa #64, Rosa #15A		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	

SCHEDULE XVIII
SEVENTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

	T31N R5W		**Tract 25**			2.573100%
E-347-56	Sec 32: NW/4	160.00	WORKING INTEREST			
	Rosa #24A, Rosa #24B (INF)		Amoco Production Company	13.055401%	11.423477%	
	Rosa #24C (INF)		Williams Production	56.944599%	49.826523%	
			Fred. E. Turner *	6.000000%	5.250000%	
			Elizabeth T. Calloway *	6.000000%	5.250000%	
			J. Glenn Turner *	6.000000%	5.250000%	
			John Lee Turner *	6.000000%	5.250000%	
			Mary F. Turner, Jr Trust *	6.000000%	5.250000%	
			ROYALTY		12.500000%	
			ORRI			
				100.000000%	**100.000000%**	
			Tract 26			2.573100%
	T31N R5W	160.00	WORKING INTEREST			
E-347-48	Sec 32: NE/4		Amoco Production Company	100.000000%	87.500000%	
	Rosa #26A		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
	T31N R5W		**Tract 27**			5.146200%
E-347-55	Sec 32: SE/4, SW/4	320.00	WORKING INTEREST			
	Rosa #26A, Rosa #26B (INF)		Williams Production	50.000000%	32.812500%	
	Rosa #24A, Rosa #24B (INF)		Fred. E. Turner *	10.000000%	6.562500%	
	Rosa #24C (INF)		Elizabeth T. Calloway *	10.000000%	6.562500%	
			J. Glenn Turner *	10.000000%	6.562500%	
			John Lee Turner *	10.000000%	6.562500%	
			Mary F. Turner, Jr Trust *	10.000000%	6.562500%	
			ROYALTY		12.500000%	
			ORRI		21.875000%	
				100.000000%	**100.000000%**	
			Tract 28			5.146200%
SF-078773	T31N R5W	320.00	WORKING INTEREST			
	Sec 33: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #77, Rosa #77A (INF)		ROYALTY		12.500000%	
			ORRI	0.000000%	0.000000%	
				100.000000%	**100.000000%**	
			Tract 30			
E-289-53	T31N R6W	346.91	WORKING INTEREST			5.578964%
	Sec 2: Lots 6,7,8, & S/2		Amoco Production Company	1.000000%	85.000000%	
	Rosa #148		Williams Production Co, LLC			
			ROYALTY		12.500000%	
			ORRI		2.500000%	
				1.000000%	**100.000000%**	
			Tract 31			
VB0435	T31N R6W					0.000000%
	Sec 2: Lots 5,					
	Rosa #148					
	This tract is not committed to the unit					

SCHEDULE XVIII
SEVENTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

SF-078771	T31N R6W	640.00	**TRACT 37**			10.292401%
	Sec 23: S/2		WORKING INTEREST			
	Sec 11: E/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #98, Rosa #1E		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 39			14.287299%
SF-078766	T31N R6W	888.41	WORKING INTEREST			
	Sec 21: S/2		Amoco Production Company *	100.000000%	87.500000%	
	Sec 22: Lot 4, E/2NW/4, SW/4		ROYALTY		12.500000%	
	Sec 17: W/2		ORRI		0.000000%	
	Rosa #96, Rosa #79, Rosa #100					
	Rosa #79B (INF)			**100.000000%**	**100.000000%**	
			Tract 43			1.151302%
E-289-50	T31N R6W	71.59	WORKING INTEREST			
	Sec 22: Portion of Tract 40		Williams Production Co. LLC	100.000000%	82.500000%	
	Lying in W/2NW/4		ROYALTY		12.500000%	
	Rosa #79, Rosa #79B		ORRI		5.000000%	
				100.000000%	**100.000000%**	
	T32N R6W		**Tract 45**			5.146200%
E-504-19	Sec 32: E/2	320.00	WORKING INTEREST			
	Rosa #29M, Rosa #29B (INF)		Williams Production Co., LLC	50.000000%	32.812500%	
			J. Glenn Turner *	10.000000%	6.562500%	
			John Turner *	10.000000%	6.562500%	
			Fred E.Turner *	10.000000%	6.562500%	
			Mary Frances Turner, Jr Trust *	10.000000%	6.562500%	
			Elizabeth T. Calloway *	10.000000%	6.562500%	
			ROYALTY		12.500000%	
			ORRI		21.875000%	
				100.000000%	**100.000000%**	
		6218.18				**100.000000%**

SCHEDULE XVIV
EIGHTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
			Tract 13			4.894328%
SF-078763	T31N R5W	320.00	WORKING INTEREST			
	Sec 8: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #80		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 13A			4.894328%
SF-078763	T31N R5W	320.00	Williams Production Co. LLC	100.000000%	81.250000%	
	Sec 10: N/2		ROYALTY		12.500000%	
	Rosa #70		ORRI		6.250000%	
				100.000000%	**100.000000%**	
SF-078767	T31N R6W	927.01	**Tract 14**			14.178411%
	Sec 12: S/2 (271.35)		WORKING INTEREST			
	Sec 13: W/2, W/2SE/4, Lots 3 & 4		Amoco Production Company	100.000000%	87.500000%	
	Sec 24: Lots 1,2,3,4, W/2E/2 (E2)		ROYALTY		12.500000%	
	Rosa #66, Rosa #66M (INF),		ORRI		0.000000%	
	Rosa #116, Rosa #125E,					
	Rosa #30, Rosa #30B (INF)					
				100.000000%	**100.000000%**	
			Tract 17			4.894328%
	T31N R5W	320.00	WORKING INTEREST			
SF-078769	Sec 17: W/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #68, Rosa #31B (INF)		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 18			10.830231%
	T31N R5W	708.10	WORKING INTEREST			
SF-078764	Sec 18: LOTS 3,4, SE/4 (S/2)		Amoco Production Company	100.000000%	87.500000%	
	Sec 19: E/2SE/4,SW/4SE/4, Lot 4		ROYALTY		12.500000%	
	Sec 29: W/2SE/4,SW/4,N/2NE/4		ORRI		0.000000%	
	Rosa #119, Rosa #15A, Rosa #159					
	Rosa #64M, Rosa #64					
				100.000000%	**100.000000%**	
			Tract 19			1.164850%
Miguel A.	T31N R5W	76.16	WORKING INTEREST			
Gonzales et ux	Sec 19: NW/4SE/4, Lot 3		Amoco Production Company	100.000000%	87.500000%	
	Rosa #159		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 20			2.447164%
Manuel C.	T31N R5W	160.00	WORKING INTEREST			
Candelaria et ux	Sec 29: NW/4		Amoco Production Company	100.000000%	87.500000%	
	Rosa #64M, Rosa #64		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	

SCHEDULE XVIV
EIGHTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

			Tract 21			2.447164%
	T31N R5W	160.00	WORKING INTEREST			
SF-079165	Sec 29: S/2NE/4,E/2SE/4		Amoco Production Company	100.000000%	87.500000%	
	Rosa #64M, Rosa #64, Rosa #15A		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
	T31N R5W		**Tract 25**			2.447164%
E-347-56	Sec 32: NW/4	160.00	WORKING INTEREST			
	Rosa #24A, Rosa #24B (INF)		Amoco Production Company	13.055401%	11.423477%	
	Rosa #24C (INF)		Williams Production	56.944599%	49.826523%	
			Fred. E. Turner *	6.000000%	5.250000%	
			Elizabeth T. Calloway *	6.000000%	5.250000%	
			J. Glenn Turner *	6.000000%	5.250000%	
			John Lee Turner *	6.000000%	5.250000%	
			Mary F. Turner, Jr Trust *	6.000000%	5.250000%	
			ROYALTY		12.500000%	
			ORRI			
				100.000000%	**100.000000%**	
			Tract 26			2.447164%
	T31N R5W	160.00	WORKING INTEREST			
E-347-48	Sec 32: NE/4		Amoco Production Company	100.000000%	87.500000%	
	Rosa #26A		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
	T31N R5W		**Tract 27**			4.894328%
E-347-55	Sec 32: SE/4, SW/4	320.00	WORKING INTEREST			
	Rosa #26A, Rosa #26B (INF)		Williams Production	50.000000%	32.812500%	
	Rosa #24A, Rosa #24B (INF)		Fred. E. Turner *	10.000000%	6.562500%	
	Rosa #24C (INF)		Elizabeth T. Calloway *	10.000000%	6.562500%	
			J. Glenn Turner *	10.000000%	6.562500%	
			John Lee Turner *	10.000000%	6.562500%	
			Mary F. Turner, Jr Trust *	10.000000%	6.562500%	
			ROYALTY		12.500000%	
			ORRI		21.875000%	
				100.000000%	**100.000000%**	
			Tract 28			4.894328%
SF-078773	T31N R5W	320.00	WORKING INTEREST			
	Sec 33: S/2		Amoco Production Company	100.000000%	87.500000%	
	Rosa #77, Rosa #77A (INF)		ROYALTY		12.500000%	
			ORRI	0.000000%	0.000000%	
				100.000000%	**100.000000%**	
			Tract 30			
E-289-53	T31N R6W	346.91	WORKING INTEREST			5.305911%
	Sec 2: Lots 6,7,8, & S/2		Amoco Production Company	1.000000%	85.000000%	
	Rosa #148		Williams Production Co, LLC			
			ROYALTY		12.500000%	
			ORRI		2.500000%	
				1.000000%	**100.000000%**	

SCHEDULE XVIV
EIGHTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

			Tract 31			
VB0435	T31N R6W Sec 2: Lots 5, Rosa #148 This tract is not committed to the unit					0.000000%
SF-078771	T31N R6W Sec 23: S/2 Sec 11: E/2 Rosa #98, Rosa #1E	640.00	**TRACT 37** WORKING INTEREST Amoco Production Company ROYALTY ORRI	 100.000000% **100.000000%**	 87.500000% 12.500000% 0.000000% **100.000000%**	9.788657%
Jose M. Lopez et al	T31N R6W Sec 16: S/2SE/4, Rosa #185A *, Rosa #185 * (INF)	80.00	**TRACT 38** WORKING INTEREST Amoco Production Company * ROYALTY ORRI	 100.000000% **100.000000%**	 87.500000% 12.500000% 0.000000% **100.000000%**	1.223582%
			Tract 39			14.811614%
SF-078766	T31N R6W Sec 21: S/2 Sec 22: Lot 4, E/2NW/4, SW/4 Sec 17: W/2 Sec 16: W/2SW/4 Rosa #96, Rosa #79, Rosa #100 Rosa #185A *, Rosa #185 * (INF) Rosa #79B (INF)	968.41	WORKING INTEREST Amoco Production Company * ROYALTY ORRI	 100.000000% **100.000000%**	 87.500000% 12.500000% 0.000000% **100.000000%**	
			Tract 40			0.963571%
E-346-20	T31N R6W Sec 16: NW/4SE/4,NE/4SW/4 Rosa #185A *, Rosa #185 *(INF)	63.00	WORKING INTEREST Williams Production Co LLC Fred. E. Turner * Elizabeth T. Calloway J. Glenn Turner John Lee Turner * Mary F. Turner, Jr Trust * ROYALTY ORRI	 50.000000% 10.000000% 10.000000% 10.000000% 10.000000% 10.000000% **100.000000%**	 32.812500% 6.562500% 6.562500% 6.562500% 6.562500% 6.562500% 12.500000% 21.875000% **100.000000%**	
			Tract 40A			1.093576%
E-346-22	T31N R6W Sec 16: NE/4SE/4, SE/4SW/4 Rosa #185A *, Rosa #185 * (INF)	71.50	WORKING INTEREST Williams Production Co LLC Fred. E. Turner * Elizabeth T. Calloway J. Glenn Turner John Lee Turner * Mary F. Turner, Jr Trust * ROYALTY ORRI	 50.000000% 10.000000% 10.000000% 10.000000% 10.000000% 10.000000% **100.000000%**	 32.812500% 6.562500% 6.562500% 6.562500% 6.562500% 6.562500% 12.500000% 21.875000% **100.000000%**	

SCHEDULE XVIV
EIGHTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION ROSA UNIT

			Tract 41			0.260011%
E-289	T31N R6W	17.00	WORKING INTEREST			
	Sec 16: Portion of State Lease E-289		Wiser Oil Co.	100.000000%	87.500000%	
	lying in SE/4SW/4 and SW/4SE/4		ROYALTY		12.500000%	
	Rosa #185A *, Rosa #185 * (INF)		ORRI		0.000000%	
				100.000000%	**100.000000%**	
			Tract 42			0.130006%
E-289-50	T31N R6W	8.50	WORKING INTEREST			
	Sec 16: Portion of State Lease E-289		Amoco Production Company	100.000000%	85.000000%	
	lying in SE/4SE/4		ROYALTY		12.500000%	
	Rosa #185A *, Rosa #185 * (INF)		ORRI		2.500000%	
				100.000000%	**100.000000%**	
			Tract 43			1.094953%
E-289-50	T31N R6W	71.59	WORKING INTEREST			
	Sec 22: Portion of Tract 40		Williams Production Co. LLC	100.000000%	82.500000%	
	Lying in W/2NW/4		ROYALTY		12.500000%	
	Rosa #79, Rosa #79B		ORRI		5.000000%	
				100.000000%	**100.000000%**	
	T32N R6W		**Tract 45**			4.894328%
E-504-19	Sec 32: E/2	320.00	WORKING INTEREST			
	Rosa #29M, Rosa #29B (INF)		Williams Production Co., LLC	50.000000%	32.812500%	
			J. Glenn Turner *	10.000000%	6.562500%	
			John Turner *	10.000000%	6.562500%	
			Fred E.Turner *	10.000000%	6.562500%	
			Mary Frances Turner, Jr Trust *	10.000000%	6.562500%	
			Elizabeth T. Calloway *	10.000000%	6.562500%	
			ROYALTY		12.500000%	
			ORRI		21.875000%	
				100.000000%	**100.000000%**	
		6538.18				**100.000000%**

SCHEDULE XVIV
EIGHTEENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION
ROSA UNIT AREA

RECAPITULATION

Township 31 North, Range 5W, N.M.P.M.

Sec 8: S/2
Sec 10: N/2
Sec 17: W/2
Sec 18: Lots 3, (35.92), 4 (35.91), SE/4
Sec 19: E/2SE/4,SW/4SE/4,NW/4SE/4, Lots 3 (36.16), 4 (36.27),
Sec 29: ALL
Sec 32: ALL
Sec 33: S/2

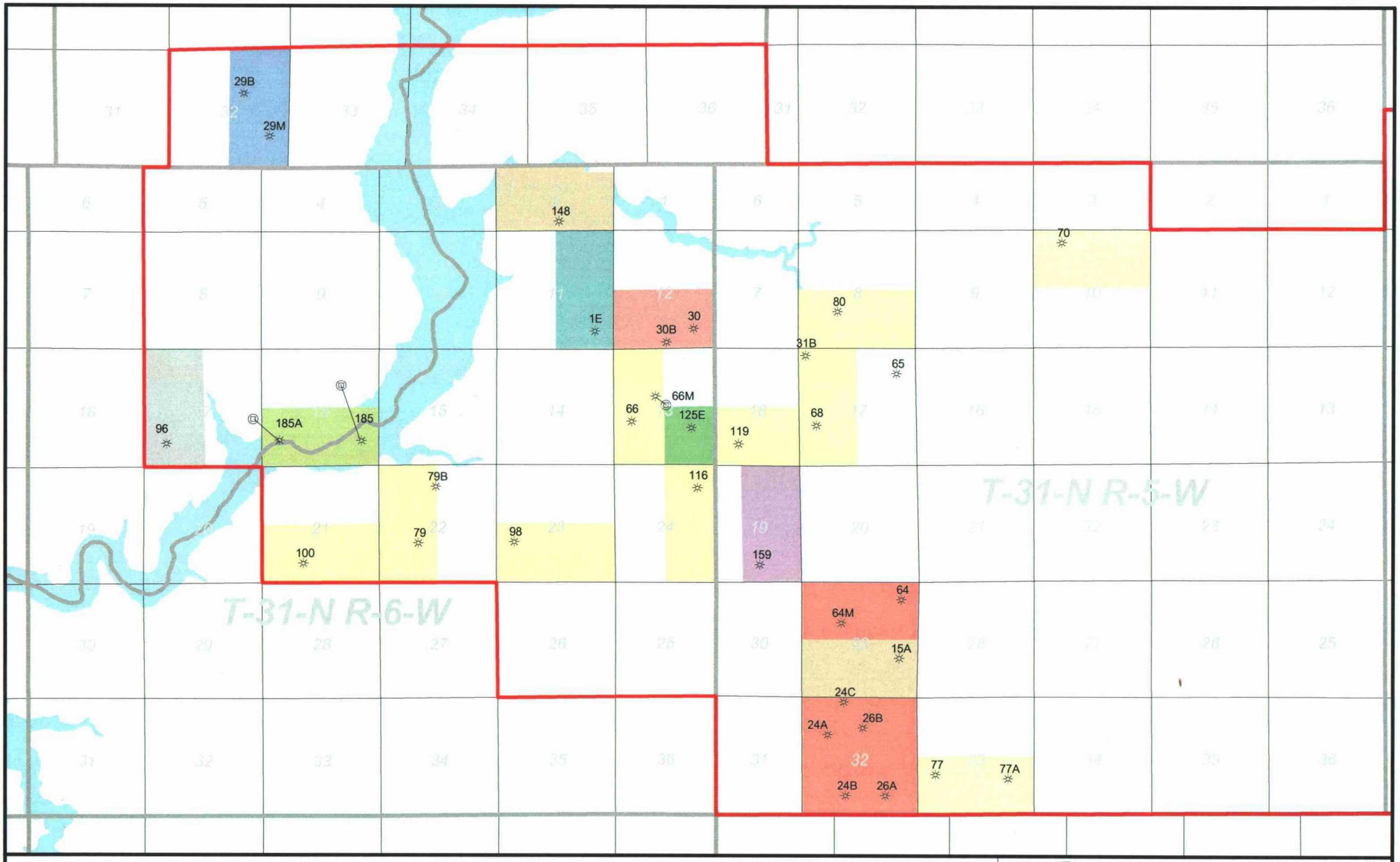
Township 31 North, Range 6W, N.M.P.M.

Sec 2: Lots 6 (9.25), 7 (9.13), 8 (8.53), S/2
Sec 11: E/2
Sec 12: S/2 (271.35)
Sec 13: W/2, W/2SE/4, Lots 3 (15.84), 4 (15.90)
Sec 16: S/2SE/4,W/2SW/4,
NW/4SE/4,NE/4/SW/4 (63) acres
NE/4SE/4,SE/4SW/4 (71.5) acres
Portions of State Lease E-289 lying in SE/4SW/4 and SW/SE/4 (17 acres)
Portions of State Lease E-289 lying in SE/4SE/4 (8.5 acres)
Sec 17: W/2
Sec 21: S/2
Sec 22: Lot 4 (8.41), E/2NW/4, SW/4,
Portions of Tract 40 lying in W/2 NW/4 (71.59)
Sec 23: S/2
Sec 24: Lots 1 (15.93), 2 (15.97), 3 (15.99), 4 (16.03), W/2E/2

Township 32N, Range 6W, N.M.P.M.

Sec 32: E/2

Total number of Acres in Participating Area:	6,547.53
Total number of Acres Committed to Participating Area:	6,538.18
Total number of Acres not-Commited to Participating Area:	9.35



File Path:S:\GIS_Mapping\Projects\San Juan Basin\Maps\Expansions\rosa_unit-dk.apr

Williams Production Co. LLC
4500 One Williams Center
P.O. Box 3102
Tulsa, OK 74121 74101
918/573-6181

July 23, 2002
PROD-0-137-2002

Bureau of Land Management (3 copies)
Farmington Resource Area
Attn: Mr. Wayne Townsend
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico (2 copies)
Commissioner of Public Lands
Attn: Mr. Pete Martinez
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

State of New Mexico (2 copies)
Oil Conservation Division
Attn: Lori Wrotenberg
1200 South St. Francis Drive
P.O. Box 2308
Santa Fe, NM 87504-2308

Re: Rosa Unit I, Sec. No.587
San Juan and Rio Arriba Counties, New Mexico
NOTICE OF COMPLETION OF COMMERCIAL & NON-COMMERCIAL WELLS
Mesaverde formation

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement I Sec. No. 587, Williams Production Company, LLC, as Unit Operator, has determined that the Rosa Unit #100E, #138, #138A, #139, #139A, #145, #145A, #146, #147, #147A, #153, #153A, #168, #168A, #170, #184, #185, #185A, #187, #188, #188A, #31, #31A, #31B, #31C, #32, #32A, #32B, #6Y, are capable of producing unitized substances in paying quantities from the Mesaverde formation. Williams Production Company, LLC, has determined that the Rosa Unit #132, and #184A

are not capable of producing unitized substances in paying quantities from the Mesaverde formation.

The well data is as follows:

The Rosa Unit #100E Well (commercial) is located 1570 feet from the South Line and 870 feet from the East Line, Section 21, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on November 5, 1991, and completed in the Dakota formation on October 30, 1992. The Dakota was subsequently plugged and abandoned and the well was recompleted in the Mesa Verde and Pictured Cliffs on August 30, 1994. The Mesa Verde formation was perforated with 32 holes between the following depths:

5304' to 5686'

These perforations were sand/water fractured. This well has a 1 ½" tubing string. The well was shut in with a SITP of 875 psig. On September 5, 1994 the well was tested and after flowing for three hours through a 2" choke on the 1 ½" tubing, the well gauged 2298 MCFD.

The Rosa Unit #138 Well (commercial) is located 2218 feet from the South Line and 580 feet from the East Line, Section 17, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on August 7, 1994, and completed in the Mesa Verde formation on October 15, 1994. The Mesa Verde formation was perforated with 72 holes between the following depths:

5443' to 5945'

These perforations were sand/water fractured. This well has a 1 ½" tubing string. The well was shut in with a SICP of 1305 psig. On October 19, 1994 the well was tested and after flowing for three hours through a 2" choke on the 1 ½" tubing, the well gauged 3311 MCFD.

The Rosa Unit #138A Well (commercial) is located 1819 feet from the North Line and 1188 feet from the East Line, Section 17, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on Jul 26, 1994, and completed in the Mesa Verde formation on November 9, 1994. The Mesa Verde formation was perforated with 84 holes between the following depths:

5375' to 5906'

These perforations were sand/water fractured. This well has a 1 ½" tubing string. The well was shut in with a SICP of 1346 psig. On November 13, 1994 the well was tested and after flowing for four hours through a 2" choke on the 1 ½" tubing, the well gauged 3042 MCFD.

The Rosa Unit #139 Well (commercial) is located 1008 feet from the North Line and 1496 feet from the West Line, Section 17, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on August 15, 1994, and completed in the Mesa Verde formation on November 5, 1994. The Mesa Verde formation was perforated with 80 holes between the following depths:

5411' to 5919'

These perforations were sand/water fractured. This well has a 1 ½" tubing string. The well was shut in with a SITP of 855 psig. On November 9, 1994 the well was tested and after flowing for four hours through a 2" choke on the 1 ½" tubing, the well gauged 3221 MCFD.

The Rosa Unit #139A Well (commercial) is located 1060 feet from the South Line and 835 feet from the West Line, Section 17, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on September 12, 1998, and completed in the Mesa Verde formation on October 20, 1998. The Mesa Verde formation was perforated with 77 holes between the following depths:

4387' to 5888'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 734 psig. On October 29, 1998 the well was tested and after flowing for three hours through a 2" choke on the 2 3/8" tubing, the well gauged 4017 MCFD.

The Rosa Unit #145 Well (commercial) is located 1679 feet from the North Line and 1835 feet from the East Line, Section 16, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on August 24, 1994, and completed in the Mesa Verde formation on October 14, 1994. The Mesa Verde formation was perforated with 74 holes between the following depths:

5363' to 5875'

These perforations were sand/water fractured. This well has a 1 ½" tubing string. The well was shut in with a SITP of 1108 psig. On October 19, 1994 the well was tested and after flowing for three hours through a 3/4" choke on the 1 ½" tubing, the well gauged 3042 MCFD with a calculated AOF of 3338 MCFD.

The Rosa Unit #145A Well (commercial) is located 823 feet from the North Line and 1139 feet from the West Line, Section 16, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on July 17, 1994, and completed in the Mesa Verde formation on October 1, 1994. The Mesa Verde formation was perforated with 68 holes between the following depths:

5410' to 5900'

These perforations were sand/water fractured. This well has a 1 ½" tubing string. The well was shut in with a SITP of 1035 psig. On October 4, 1994 the well was tested and after flowing for three hours through a 2" choke on the 1 ½" tubing, the well gauged 2774 MCFD.

The Rosa Unit #146 Well (commercial) is located 895 feet from the South Line and 1850 feet from the West Line, Section 28, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 9, 1995, and completed in the Mesa Verde formation on July 10, 1995. The Mesa Verde formation was perforated with 67 holes between the following depths:

5594' to 6156'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 1075 psig. On July 19, 1995 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 4272 MCFD with a calculated AOF of 7974 MCFD.

The Rosa Unit #147 Well (commercial) is located 1110 feet from the North Line and 1675 feet from the West Line, Section 33, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 2, 1995, and completed in the Mesa Verde formation on July 4, 1995. The Mesa Verde formation was perforated with 66 holes between the following depths:

5541' to 6094'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 847 psig. On July 12, 1995 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 4442 MCFD with a calculated AOF of 8867 MCFD.

The Rosa Unit #147A Well (commercial) is located 1850 feet from the North Line and 1295 feet from the East Line, Section 33, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 28, 1998, and completed in the Mesa Verde formation on October 24, 1998. The Mesa Verde formation was perforated with 78 holes between the following depths:

4790' to 6090'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 932 psig. On November 18, 1998 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 5025 MCFD with a calculated AOF of 10510 MCFD.

The Rosa Unit #153 Well (commercial) is located 985 feet from the South Line and 1585 feet from the East Line, Section 17, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 13, 1995, and completed in the Mesa Verde formation on August 11, 1995. The Mesa Verde formation was perforated with 56 holes between the following depths:

5385' to 5941'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 784 psig. On August 25, 1995 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 4014 MCFD with a calculated AOF of 6322 MCFD.

The Rosa Unit #153A Well (commercial) is located 1085 feet from the North Line and 720 feet from the East Line, Section 17, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 3, 2000, and completed in the Mesa Verde formation on October 14, 2000. The Mesa Verde formation was perforated with 64 holes between the following depths:

4453' to 5964'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SITP of 856 psig. On October 18, 2000 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 3546 MCFD.

The Rosa Unit #168 Well (commercial) is located 1175 feet from the South Line and 790 feet from the East Line, Section 28, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 18, 1998, and completed in the Mesa Verde formation on October 18, 1998. The Mesa Verde formation was perforated with 69 holes between the following depths:

4884' to 6328'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 1164 psig. On November 2, 1998 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 4882 MCFD with a CAOF of 9432 MCFD.

The Rosa Unit #168A Well (commercial) is located 930 feet from the North Line and 1625 feet from the East Line, Section 28, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 1, 2000, and completed in the Mesa Verde formation on September 17, 2000. The Mesa Verde formation was perforated with 60 holes between the following depths:

4916' to 6339'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 740 psig. On September 21, 2000 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 3388 MCFD.

The Rosa Unit #170 Well (commercial) is located 1025 feet from the South Line and 1845 feet from the West Line, Section 21, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 25, 1998, and completed in the Mesa Verde formation on September 21, 1998. The Mesa Verde formation was perforated with 88 holes between the following depths:

4430' to 5969'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 771 psig. On October 3, 1998 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 4263 MCFD with a calculated AOF of 7564 MCFD.

The Rosa Unit #184 Well (commercial) is located 1520 feet from the South Line and 1250 feet from the East Line, Section 34, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 2, 2001, and completed in the Mesa Verde formation on August 24, 2001. The Mesa Verde formation was perforated with 66 holes between the following depths:

4686' to 6090'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 875 psig. On August 28, 2001 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 3638 MCFD.

The Rosa Unit #185 Well (commercial) is located 1790 feet from the North Line and 1928 feet from the East Line, Section 16, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on October 3, 2000, and completed in the Mesa Verde formation on December 1, 2000. The Mesa Verde formation was perforated with 75 holes between the following depths:

5531' to 6427'

These perforations were sand/water fractured. This well has a 2 1/16" tubing string. The well was shut in with a SITP of 895 psig. On December 5, 2000 the well was tested and after flowing for three hours through a 3/4" choke on the 2 1/16" tubing, the well gauged 2933 MCFD.

The Rosa Unit #185A Well (commercial) is located 2144 feet from the South Line and 368 feet from the East Line, Section 17, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on July 9, 2000, and completed in the Mesa Verde formation on September 15, 2000. The Mesa Verde formation was perforated with 62 holes between the following depths:

5485' to 6315'

These perforations were sand/water fractured. This well has a 2 1/16" tubing string. The well was shut in with a SITP of 750 psig. On September 28, 2000 the well was tested and after flowing for three hours through a 3/4" choke on the 2 1/16" tubing, the well gauged 2216 MCFD with a CAOF of 6358 MCFD.

The Rosa Unit #187 Well (commercial) is located 815 feet from the South Line and 1870 feet from the West Line, Section 21, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on May 15, 2001, and completed in the Mesa Verde formation on August 10, 2001. The Mesa Verde formation was perforated with 53 holes between the following depths:

5205' to 6428'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 755 psig. On August 16, 2001 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 3441 MCFD.

The Rosa Unit #188 Well (commercial) is located 2035 feet from the South Line and 1725 feet from the West Line, Section 34, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 11, 2000, and completed in the Mesa Verde formation on October 2, 2000. The Mesa Verde formation was perforated with 68 holes between the following depths:

5528' to 6324'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 943 psig. On October 16, 2000 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 3751 MCFD.

The Rosa Unit #188A Well (commercial) is located 810 feet from the North Line and 1705 feet from the West Line, Section 34, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 19, 2000, and completed in the Mesa Verde formation on October 11, 2000. The Mesa Verde formation was perforated with 63 holes between the following depths:

5035' to 6238'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 529 psig. On October 22, 2000 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 2433 MCFD.

The Rosa Unit #31 Well (commercial) is located 1080 feet from the North Line and 1795 feet from the West Line, Section 17, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 12, 2000, and completed in the Mesa Verde formation on August 2, 2000. The Mesa Verde formation was perforated with 59 holes between the following depths:

5050' to 5860'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SITP of 885 psig. On August 20, 2000 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 3041 MCFD.

The Rosa Unit #31A Well (commercial) is located 2065 feet from the South Line and 1210 feet from the West Line, Section 17, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 12, 2000, and completed in the Mesa Verde formation on August 14, 2000. The Mesa Verde formation was perforated with 78 holes between the following depths:

5093' to 5986'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SITP of 971 psig. On August 23, 2000 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 4369 MCFD.

The Rosa Unit #31B Well (commercial) is located 570 feet from the North Line and 515 feet from the West Line, Section 17, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 28, 2001, and completed in the Mesa Verde formation on November 23, 2001. The Mesa Verde formation was perforated with 60 holes between the following depths:

4887' to 5910'

These perforations were sand/water fractured. This well has a 2 1/16" tubing string. The well was shut in with a SICP of 930 psig. On December 7, 2001 the well was tested and after flowing for three hours through a 3/4" choke on the 2 1/16" tubing, the well gauged 3182 MCFD.

The Rosa Unit #31C Well (commercial) is located 610 feet from the South Line and 2405 feet from the West Line, Section 17, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 28, 2001, and completed in the Mesa Verde formation on October 26, 2001. The Mesa Verde formation was perforated with 69 holes between the following depths:

4544' to 6106'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 800 psig. On November 1, 2001 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 3765 MCFD.

The Rosa Unit #32 Well (commercial) is located 1481 feet from the North Line and 1035 feet from the East Line, Section 21, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 14, 1994, and completed in the Mesa Verde formation on July 16, 1994. The Mesa Verde formation was perforated with 68 holes between the following depths:

5349' to 5857'

These perforations were sand/water fractured. This well has a 1 1/2" tubing string. The well was shut in with a SITP of 1092 psig. On July 28, 1994 the well was tested and after flowing for three hours through a 3/4" choke on the 1 1/2" tubing, the well gauged 3027MCFD and a CAOF of 3145MCFD.

The Rosa Unit #32A Well (commercial) is located 1771 feet from the North Line and 1557 feet from the West Line, Section 21, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 23, 1994, and completed in the Mesa Verde formation on July 28, 1994. The Mesa Verde formation was perforated with 71 holes between the following depths:

5347' to 5843'

These perforations were sand/water fractured. This well has a 1 1/2" tubing string. The well was shut in with a SICP of 1154 psig. On August 18, 1994 the well was tested and after flowing for three hours through a 3/4" choke on the 1 1/2" tubing, the well gauged 3141 MCFD.

The Rosa Unit #32B Well (commercial) is located 1900 feet from the North Line and 1760 feet from the East Line, Section 21, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 26, 2001, and completed in the Mesa Verde formation on October 10, 2001. The Mesa Verde formation was perforated with 61 holes between the following depths:

5093' to 5762'

These perforations were sand/water fractured. This well has a 2 1/16" tubing string. The well was shut in with a SICP of 840 psig. On October 19, 2001 the well was tested and after flowing for three hours through a 3/4" choke on the 1 1/2" tubing, the well gauged 3504 MCFD.

The Rosa Unit #6Y Well (commercial) is located 785 feet from the South Line and 855 feet from the West Line, Section 27, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 27, 2000, and completed in the Mesa Verde formation on October 18, 2000. The Mesa Verde formation was perforated with 67 holes between the following depths:

4453' to 6414'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SITP of 531 psig. On November 2, 2000 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 2140 MCFD.

The Rosa Unit #132 Well (non-commercial) is located 640 feet from the South Line and 950 feet from the West Line, Section 22, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 3, 1993, and completed in the Dakota formation. The Dakota was subsequently plugged and abandoned and the well was recompleted in the Mesa Verde on May 6, 1998. The Mesa Verde formation was perforated with 52 holes between the following depths:

5240' to 6083'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. On May 10, 1998 the well was tested and after flowing for three hours through a 2" choke on the 2 3/8" tubing, the well gauged 1357 MCFD.

The Rosa Unit #184A Well (non-commercial) is located 1385 feet from the North Line and 1345 feet from the East Line, Section 34, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on May 25, 2001, and completed in the Mesa Verde formation on August 17, 2001. The Mesa Verde formation was perforated with 55 holes between the following depths:

5796' to 6175'

These perforations were sand/water fractured. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 860 psig. On August 23, 2001 the well was tested and after flowing for three hours through a 3/4" choke on the 2 3/8" tubing, the well gauged 3113 MCFD.

If these determinations meet with your approval, please indicate such approval in the space provided and return an approved copy for our files.

Copies of this letter are being sent to the Mesaverde Unit working interest owners on the attached sheet.

Sincerely,

Kris Russell

Kris Russell
Sr. Production Analyst
918/573-6181

Assistant district Manager, Minerals
Commissioner of Public lands
Oil Conservation Commission
July 23, 2002

APPROVED _____ DATE _____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands
And The Oil Conservation Commission

APPROVED _____ DATE _____

Commissioner of Public Lands
Subject to like approval by the
Bureau of Land Management
And The Oil Conservation Commission

APPROVED _____ DATE _____

Oil Conservation Commission
Subject to like approval by the
Bureau of Land Management
And The Commissioner of Public Lands

The foregoing is the approval of Notice of Completion of Commercial wells for the Rosa Unit #100E, #138, #138A, #139, #139A, #145, #145A, #146, #147, #147A, #153, #153A, #168, #168A, #170, #184, #185, #185A, #187, #188, #188A, #31, #31A, #31B, #31C, #32, #32A, #32B, and #6Y and the approval of Notice of Non-Commercial wells for the Rosa Unit #132, and #184A in the Mesaverde formation.

MESAVERDE WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: BRYAN ANDERSON
P O BOX 3092
HOUSTON, TX 77253-3092

EL PASO PRODUCTION COMPANY
ATTN: CHAD SHAW
NINE GREENWAY PLAZA
HOUSTON, TX 77046

MR. J. GLENN TURNER, JR.
3131 TURTLE CREEK BLVD.
#1201
DALLAS, TX 57219

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P O BOX 660197
DALLAS, TX 75266-0197

MR. JOHN TURNER
PMB 285
317 SIDNEY BAKER SOUTH #400
KERRVILLE, TX 78028

MS. ELIZABETH T. CALLOWAY
P.O. BOX 191767
DALLAS, TX 75219-1767

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

ROSA UNIT #100E
PROPNUM 81433-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:39:08
FILE: BRC
PROP: 13792
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

RESERVES AND ECONOMICS

AS OF OCTOBER 1, 1994

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					10.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-94	.000	23.033	.000	4.635	20.00	1.44	6.661	.660	.414	63.250	-57.663	-57.729
12-95	.000	75.354	.000	15.165	20.00	.98	14.839	1.471	1.656	.000	11.712	-46.821
12-96	.000	59.327	.000	11.940	20.00	1.47	17.525	1.736	1.656	.000	14.133	-34.855
12-97	.000	49.955	.000	10.053	20.00	2.14	21.519	2.133	1.656	.000	17.730	-21.208
12-98	.000	43.667	.000	8.788	20.00	1.67	14.690	1.456	1.656	.000	11.578	-13.106
12-99	.000	39.095	.000	7.868	20.00	1.88	14.757	1.462	1.656	.000	11.639	-5.702
12-00	.000	35.590	.000	7.162	20.00	3.37	24.164	2.395	1.656	.000	20.113	5.929
12-01	.000	32.800	.000	6.601	20.00	3.34	22.069	2.187	1.656	.000	18.226	15.511
12-02	.000	30.516	.000	6.141	20.00	3.28	20.143	1.996	1.656	.000	16.491	23.393
12-03	.000	28.604	.000	5.757	20.00	3.64	20.961	2.077	1.656	.000	17.228	30.878
12-04	.000	26.974	.000	5.429	20.00	3.68	19.960	1.978	1.656	.000	16.326	37.327
12-05	.000	25.565	.000	5.145	20.00	3.66	18.843	1.867	1.656	.000	15.320	42.828
12-06	.000	24.283	.000	4.887	20.00	3.73	18.217	1.806	1.656	.000	14.755	47.645
12-07	.000	23.069	.000	4.643	20.00	3.78	17.539	1.739	1.656	.000	14.144	51.842
12-08	.000	21.916	.000	4.411	20.00	3.84	16.919	1.677	1.656	.000	13.586	55.507
12-09	.000	20.820	.000	4.190	20.00	3.90	16.323	1.618	1.656	.000	13.049	58.707
12-10	.000	19.779	.000	3.981	20.00	3.96	15.769	1.563	1.656	.000	12.550	61.505
12-11	.000	18.790	.000	3.781	20.00	4.03	15.227	1.509	1.656	.000	12.062	63.950
12-12	.000	17.851	.000	3.593	20.00	4.09	14.704	1.457	1.656	.000	11.591	66.086
12-13	.000	16.958	.000	3.413	20.00	4.14	14.128	1.401	1.656	.000	11.071	67.941
12-14	.000	16.110	.000	3.242	20.00	4.18	13.562	1.344	1.656	.000	10.562	69.549
12-15	.000	15.305	.000	3.080	20.00	4.23	13.022	1.291	1.656	.000	10.075	70.944
12-16	.000	14.539	.000	2.926	20.00	4.27	12.503	1.239	1.656	.000	9.608	72.153
12-17	.000	13.813	.000	2.780	20.00	4.32	12.006	1.190	1.656	.000	9.160	73.201
12-18	.000	13.122	.000	2.641	20.00	4.36	11.527	1.142	1.656	.000	8.729	74.109
S TOT	.000	706.835	.000	142.252	.00	2.87	407.577	40.394	40.158	63.250	263.775	74.109
REM.	.000	142.425	.000	28.662	.00	4.49	128.784	12.765	27.343	.000	88.676	79.148
TOTAL	.000	849.260	.000	170.914	.00	3.14	536.361	53.159	67.501	63.250	352.451	79.148
CUM.	.000	323.820										
ULT.	.000	1173.080										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	536.361				
TOTAL REVENUES (M$)	536.361				

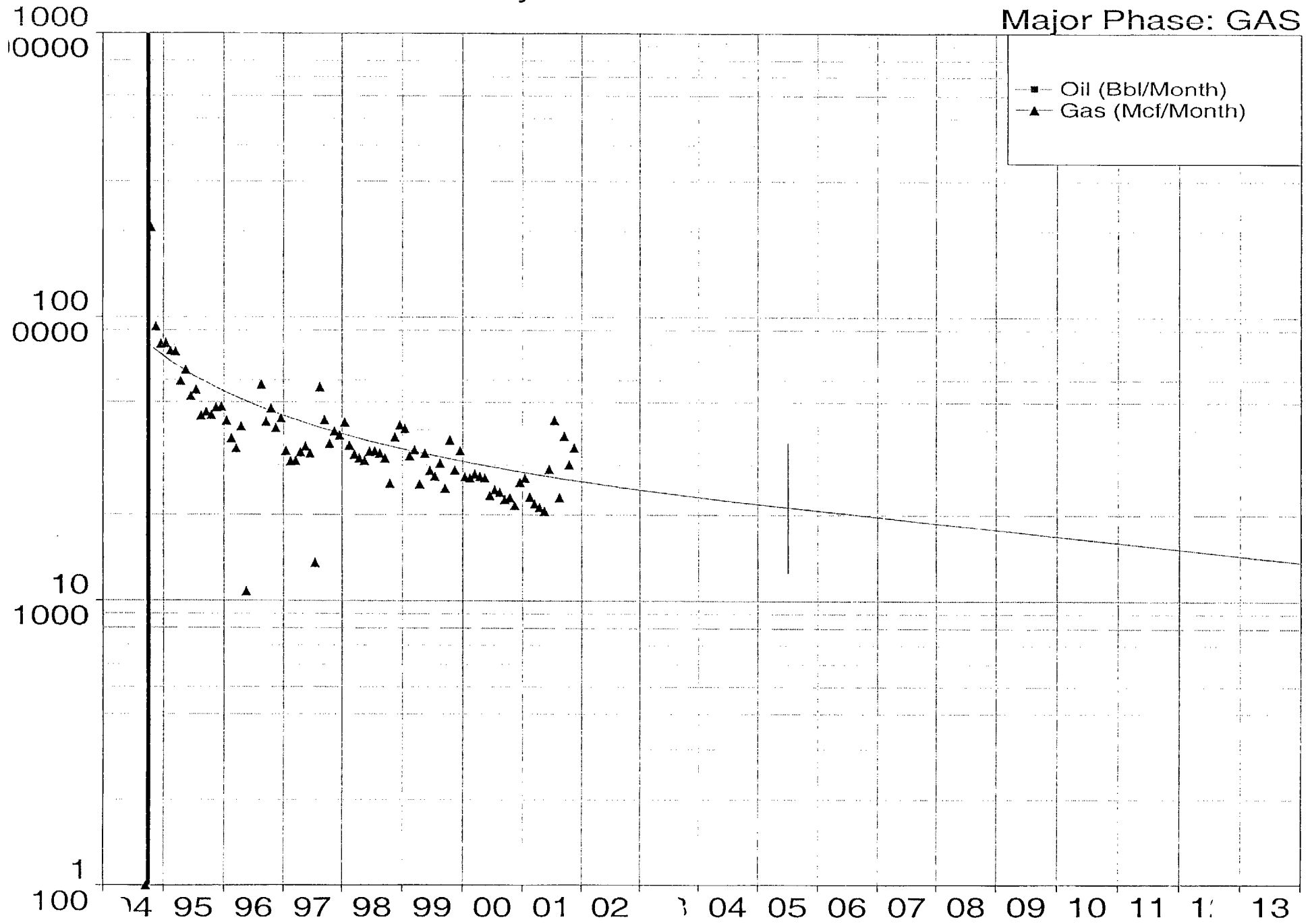
BTAX RATE OF RETURN (PCT)	26.64	PROJECT LIFE (YEARS)	40.761		
BTAX PAYOUT	03/18/1999	DISCOUNT RATE (PCT)	10.000		
BTAX PAYOUT (DISC)	06/27/2000	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	6.57	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	2.25	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/94	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	3.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	352.451	30.0	-6.654
2.0	249.955	35.0	-13.843
5.0	157.459	40.0	-19.274
8.0	103.467	45.0	-23.503
10.0	79.148	50.0	-26.891
12.0	60.664	60.0	-31.955
15.0	40.180	70.0	-35.562
18.0	25.391	80.0	-38.254
20.0	17.666	90.0	-40.342
25.0	3.256	100.0	-42.014

Property 13792
ROSA UNIT #100E

Monthly Oil and Gas Production



ROSA UNIT #138
PROPNUM 82064-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
SAN JUAN COUNTY ,NM

DATE: 07/23/02
TIME: 07:39:42
FILE: BRC
PROP: 13978
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF NOVEMBER 1, 1994

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-94	.000	28.831	.000	5.802	20.00	1.43	8.283	.820	.276	75.900	-68.713	-68.770
12-95	.000	116.383	.000	23.422	20.00	.97	22.766	2.256	1.656	.000	18.854	-51.070
12-96	.000	78.474	.000	15.793	20.00	1.46	23.026	2.282	1.656	.000	19.088	-34.779
12-97	.000	62.422	.000	12.562	20.00	2.13	26.710	2.647	1.656	.000	22.407	-17.394
12-98	.000	53.032	.000	10.673	20.00	1.66	17.723	1.756	1.656	.000	14.311	-7.300
12-99	.000	46.710	.000	9.400	20.00	1.86	17.512	1.735	1.656	.000	14.121	1.754
13-00	.000	42.097	.000	8.472	20.00	3.35	28.393	2.813	1.656	.000	23.924	15.700
13-01	.000	38.546	.000	7.757	20.00	3.32	25.761	2.552	1.656	.000	21.553	27.121
13-02	.000	35.709	.000	7.186	20.00	3.26	23.414	2.320	1.656	.000	19.438	36.485
13-03	.000	33.376	.000	6.717	20.00	3.62	24.293	2.407	1.656	.000	20.230	45.345
13-04	.000	31.417	.000	6.323	20.00	3.65	23.092	2.288	1.656	.000	19.148	52.969
13-05	.000	29.742	.000	5.986	20.00	3.64	21.777	2.158	1.656	.000	17.963	59.471
13-06	.000	28.247	.000	5.685	20.00	3.70	21.050	2.087	1.656	.000	17.307	65.166
13-07	.000	26.835	.000	5.401	20.00	3.75	20.266	2.008	1.656	.000	16.602	70.132
13-08	.000	25.493	.000	5.130	20.00	3.81	19.545	1.937	1.656	.000	15.952	74.470
13-09	.000	24.218	.000	4.874	20.00	3.87	18.861	1.869	1.656	.000	15.336	78.261
13-10	.000	23.007	.000	4.630	20.00	3.93	18.217	1.806	1.656	.000	14.755	81.577
13-11	.000	21.857	.000	4.399	20.00	4.00	17.598	1.744	1.656	.000	14.198	84.478
13-12	.000	20.765	.000	4.179	20.00	4.07	16.988	1.684	1.656	.000	13.648	87.013
13-13	.000	19.726	.000	3.970	20.00	4.11	16.324	1.618	1.656	.000	13.050	89.216
13-14	.000	18.739	.000	3.771	20.00	4.16	15.670	1.553	1.656	.000	12.461	91.129
13-15	.000	17.803	.000	3.583	20.00	4.20	15.048	1.491	1.656	.000	11.901	92.790
13-16	.000	16.913	.000	3.404	20.00	4.24	14.448	1.431	1.656	.000	11.361	94.231
13-17	.000	16.067	.000	3.233	20.00	4.29	13.869	1.374	1.656	.000	10.839	95.481
13-18	.000	15.263	.000	3.072	20.00	4.34	13.319	1.320	1.656	.000	10.343	96.565
S TOT	.000	871.672	.000	175.424	.00	2.76	483.953	47.956	40.020	75.900	320.077	96.565
REM.	.000	166.865	.000	33.581	.00	4.46	149.882	14.855	27.654	.000	107.373	102.661
TOTAL	.000	1038.537	.000	209.005	.00	3.03	633.835	62.811	67.674	75.900	427.450	102.661
CUM.	.000	482.911										
ULT.	.000	1521.448										

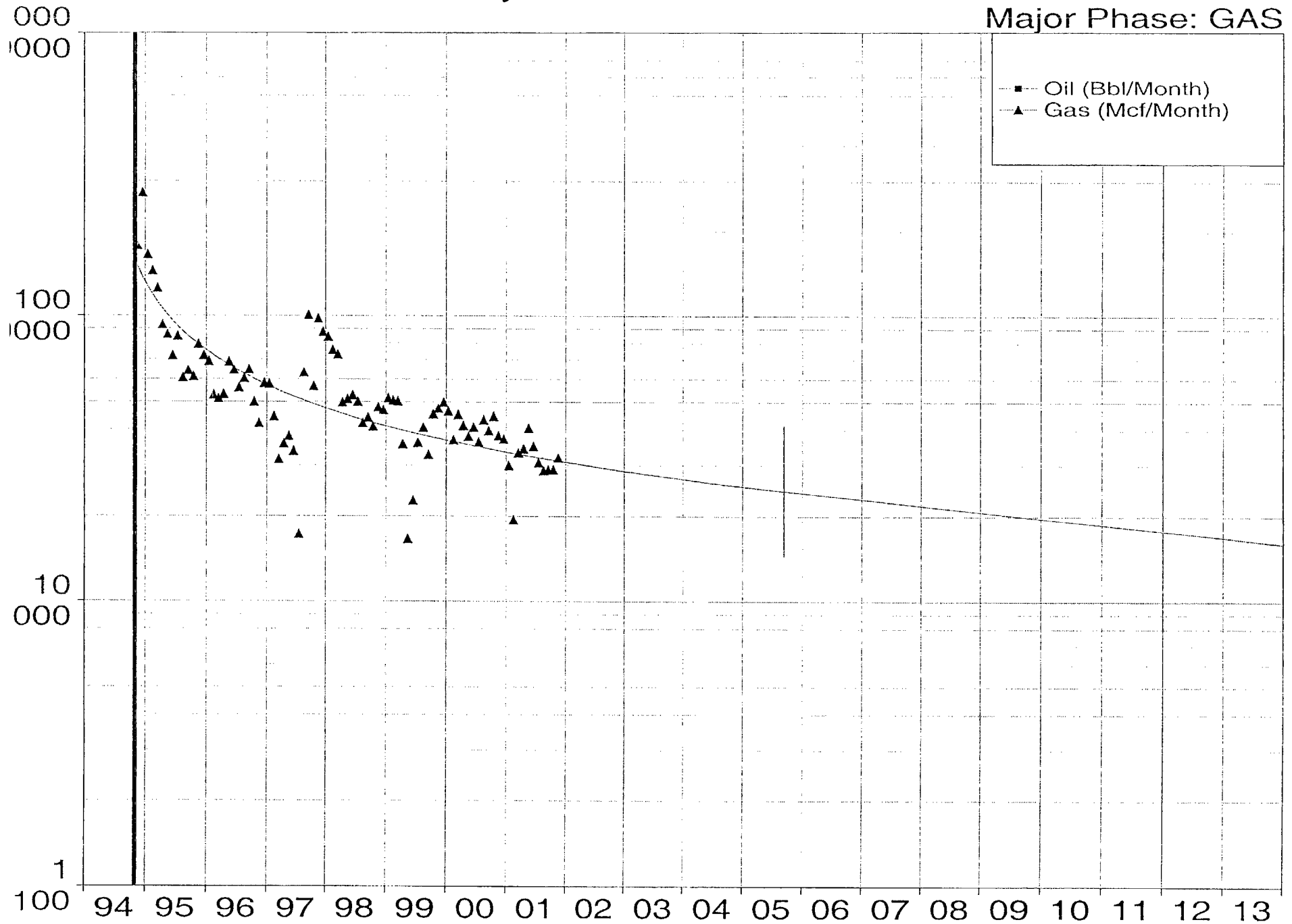
BTAX RATE OF RETURN (PCT)	29.91	PROJECT LIFE (YEARS)	40.866	NET OIL REVENUES (M$)	.000
BTAX PAYOUT	07/31/1998	DISCOUNT RATE (PCT)	10.000	NET GAS REVENUES (M$)	633.835
BTAX PAYOUT (DISC)	10/21/1999	GROSS OIL WELLS	.000	TOTAL REVENUES (M$)	633.835
BTAX NET INCOME/INVEST	6.63	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	2.35	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	11/01/94	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	2.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	427.450	30.0	-.219
2.0	305.543	35.0	-9.029
5.0	195.687	40.0	-15.728
8.0	131.565	45.0	-20.990
10.0	102.661	50.0	-25.227
12.0	80.655	60.0	-31.631
15.0	56.213	70.0	-36.245
18.0	38.511	80.0	-39.729
20.0	29.229	90.0	-42.454
25.0	11.833	100.0	-44.657

Property 13978
ROSA UNIT #138

Monthly Oil and Gas Production



ROSA UNIT #138A
PROPNUM 82066-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
SAN JUAN COUNTY ,NM

DATE: 07/23/02
TIME: 07:40:59
FILE: BRC
PROP: 13980
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF NOVEMBER 1, 1994

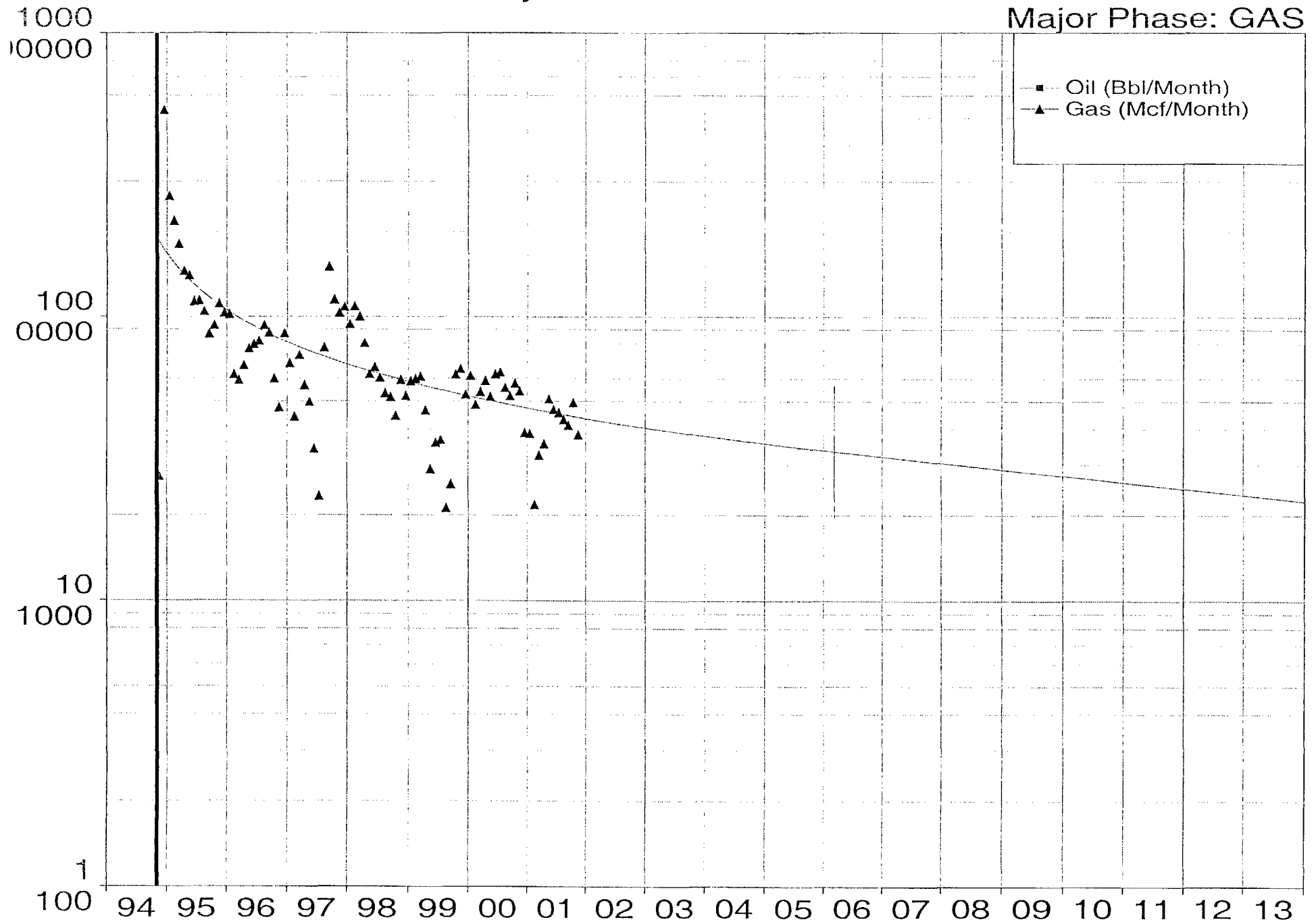
-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-94	.000	35.817	.000	7.208	20.00	1.43	10.278	1.019	.276	75.900	-66.917	-66.988
12-95	.000	156.684	.000	31.533	20.00	.97	30.614	3.034	1.656	.000	25.924	-42.651
12-96	.000	110.297	.000	22.197	20.00	1.46	32.325	3.203	1.656	.000	27.466	-19.210
12-97	.000	88.490	.000	17.809	20.00	2.12	37.822	3.748	1.656	.000	32.418	5.942
12-98	.000	75.285	.000	15.151	20.00	1.66	25.128	2.491	1.656	.000	20.981	20.740
12-99	.000	66.250	.000	13.333	20.00	1.86	24.810	2.459	1.656	.000	20.695	34.010
13-00	.000	59.595	.000	11.993	20.00	3.35	40.145	3.978	1.656	.000	34.511	54.127
13-01	.000	54.449	.000	10.958	20.00	3.32	36.348	3.602	1.656	.000	31.090	70.602
13-02	.000	50.323	.000	10.128	20.00	3.25	32.960	3.266	1.656	.000	28.038	84.109
13-03	.000	46.927	.000	9.444	20.00	3.61	34.115	3.380	1.656	.000	29.079	96.844
13-04	.000	44.071	.000	8.869	20.00	3.65	32.352	3.206	1.656	.000	27.490	107.789
13-05	.000	41.630	.000	8.378	20.00	3.63	30.442	3.017	1.656	.000	25.769	117.116
13-06	.000	39.499	.000	7.949	20.00	3.70	29.398	2.914	1.656	.000	24.828	125.285
13-07	.000	37.524	.000	7.552	20.00	3.75	28.304	2.805	1.656	.000	23.843	132.417
13-08	.000	35.647	.000	7.174	20.00	3.81	27.301	2.705	1.656	.000	22.940	138.655
13-09	.000	33.866	.000	6.816	20.00	3.87	26.345	2.611	1.656	.000	22.078	144.113
13-10	.000	32.172	.000	6.475	20.00	3.93	25.446	2.522	1.656	.000	21.268	148.893
13-11	.000	30.563	.000	6.151	20.00	4.00	24.577	2.436	1.656	.000	20.485	153.078
13-12	.000	29.035	.000	5.843	20.00	4.06	23.725	2.351	1.656	.000	19.718	156.740
13-13	.000	27.584	.000	5.551	20.00	4.11	22.797	2.259	1.656	.000	18.882	159.928
13-14	.000	26.204	.000	5.274	20.00	4.15	21.889	2.169	1.656	.000	18.064	162.701
13-15	.000	24.894	.000	5.010	20.00	4.19	21.016	2.082	1.656	.000	17.278	165.112
13-16	.000	23.650	.000	4.760	20.00	4.24	20.179	2.000	1.656	.000	16.523	167.208
13-17	.000	22.467	.000	4.521	20.00	4.28	19.372	1.919	1.656	.000	15.797	169.030
13-18	.000	21.343	.000	4.295	20.00	4.33	18.599	1.843	1.656	.000	15.100	170.613
S TOT	.000	1214.266	.000	244.372	.00	2.77	676.287	67.019	40.020	75.900	493.348	170.613
REM.	.000	237.590	.000	47.816	.00	4.46	213.174	21.127	28.462	.000	163.585	179.731
TOTAL	.000	1451.856	.000	292.188	.00	3.04	889.461	88.146	68.482	75.900	656.933	179.731
CUM.	.000	645.903										
ULT.	.000	2097.759										

		NET OIL REVENUES (M$)	.000		
		NET GAS REVENUES (M$)	889.461		
		TOTAL REVENUES (M$)	889.461		
BTAX RATE OF RETURN (PCT)	45.90	PROJECT LIFE (YEARS)	41.354		
BTAX PAYOUT	05/31/1997	DISCOUNT RATE (PCT)	10.000		
BTAX PAYOUT (DISC)	10/06/1997	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	9.66	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	3.37	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	11/01/94	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	2.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	656.933	30.0	31.032
2.0	476.516	35.0	18.339
5.0	315.203	40.0	8.682
8.0	221.705	45.0	1.094
10.0	179.731	50.0	-5.007
12.0	147.844	60.0	-14.226
15.0	112.485	70.0	-20.857
18.0	86.905	80.0	-25.857
20.0	73.512	90.0	-29.772
25.0	48.420	100.0	-32.922

Property 13980
ROSA UNIT #138A
Monthly Oil and Gas Production



ROSA UNIT #139
PROPNUM 82068-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
SAN JUAN COUNTY ,NM

DATE: 07/23/02
TIME: 07:41:18
FILE: BRC
PROP: 13982
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF NOVEMBER 1, 1994

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					10.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-94	.000	31.513	.000	6.342	20.00	1.32	8.364	.829	.276	75.900	-68.641	-68.698
12-95	.000	143.467	.000	28.873	20.00	.90	25.925	2.569	1.656	.000	21.700	-48.326
12-96	.000	102.534	.000	20.635	20.00	1.35	27.792	2.754	1.656	.000	23.382	-28.371
12-97	.000	81.780	.000	16.458	20.00	1.96	32.326	3.203	1.656	.000	27.467	-7.060
12-98	.000	68.912	.000	13.869	20.00	1.53	21.274	2.109	1.656	.000	17.509	5.290
12-99	.000	60.034	.000	12.082	20.00	1.72	20.793	2.060	1.656	.000	17.077	16.240
12-00	.000	53.485	.000	10.764	20.00	3.10	33.324	3.302	1.656	.000	28.366	32.775
12-01	.000	48.423	.000	9.745	20.00	3.07	29.896	2.963	1.656	.000	25.277	46.170
12-02	.000	44.376	.000	8.931	20.00	3.01	26.880	2.664	1.656	.000	22.560	57.038
12-03	.000	41.056	.000	8.263	20.00	3.34	27.606	2.736	1.656	.000	23.214	67.205
12-04	.000	38.275	.000	7.703	20.00	3.37	25.987	2.575	1.656	.000	21.756	75.867
12-05	.000	35.907	.000	7.226	20.00	3.36	24.283	2.406	1.656	.000	20.221	83.186
12-06	.000	33.861	.000	6.815	20.00	3.42	23.310	2.310	1.656	.000	19.344	89.551
12-07	.000	32.074	.000	6.455	20.00	3.47	22.374	2.218	1.656	.000	18.500	95.085
12-08	.000	30.463	.000	6.131	20.00	3.52	21.578	2.138	1.656	.000	17.784	99.921
12-09	.000	28.940	.000	5.824	20.00	3.57	20.819	2.063	1.656	.000	17.100	104.148
12-10	.000	27.493	.000	5.533	20.00	3.63	20.110	1.993	1.656	.000	16.461	107.847
12-11	.000	26.118	.000	5.256	20.00	3.70	19.423	1.925	1.656	.000	15.842	111.084
12-12	.000	24.813	.000	4.994	20.00	3.76	18.754	1.859	1.656	.000	15.239	113.914
12-13	.000	23.571	.000	4.744	20.00	3.80	18.019	1.786	1.656	.000	14.577	116.375
12-14	.000	22.394	.000	4.507	20.00	3.84	17.300	1.714	1.656	.000	13.930	118.513
12-15	.000	21.273	.000	4.281	20.00	3.88	16.609	1.646	1.656	.000	13.307	120.370
12-16	.000	20.210	.000	4.067	20.00	3.92	15.946	1.580	1.656	.000	12.710	121.982
12-17	.000	19.199	.000	3.864	20.00	3.96	15.313	1.517	1.656	.000	12.140	123.382
12-18	.000	18.240	.000	3.671	20.00	4.00	14.702	1.457	1.656	.000	11.589	124.597
S TOT	.000	1078.411	.000	217.033	.00	2.53	548.707	54.376	40.020	75.900	378.411	124.597
REM.	.000	213.972	.000	43.062	.00	4.12	177.578	17.598	31.022	.000	128.958	131.610
TOTAL	.000	1292.383	.000	260.095	.00	2.79	726.285	71.974	71.042	75.900	507.369	131.610
CUM.	.000	545.395										
ULT.	.000	1837.778										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	726.285				
TOTAL REVENUES (M$)	726.285				

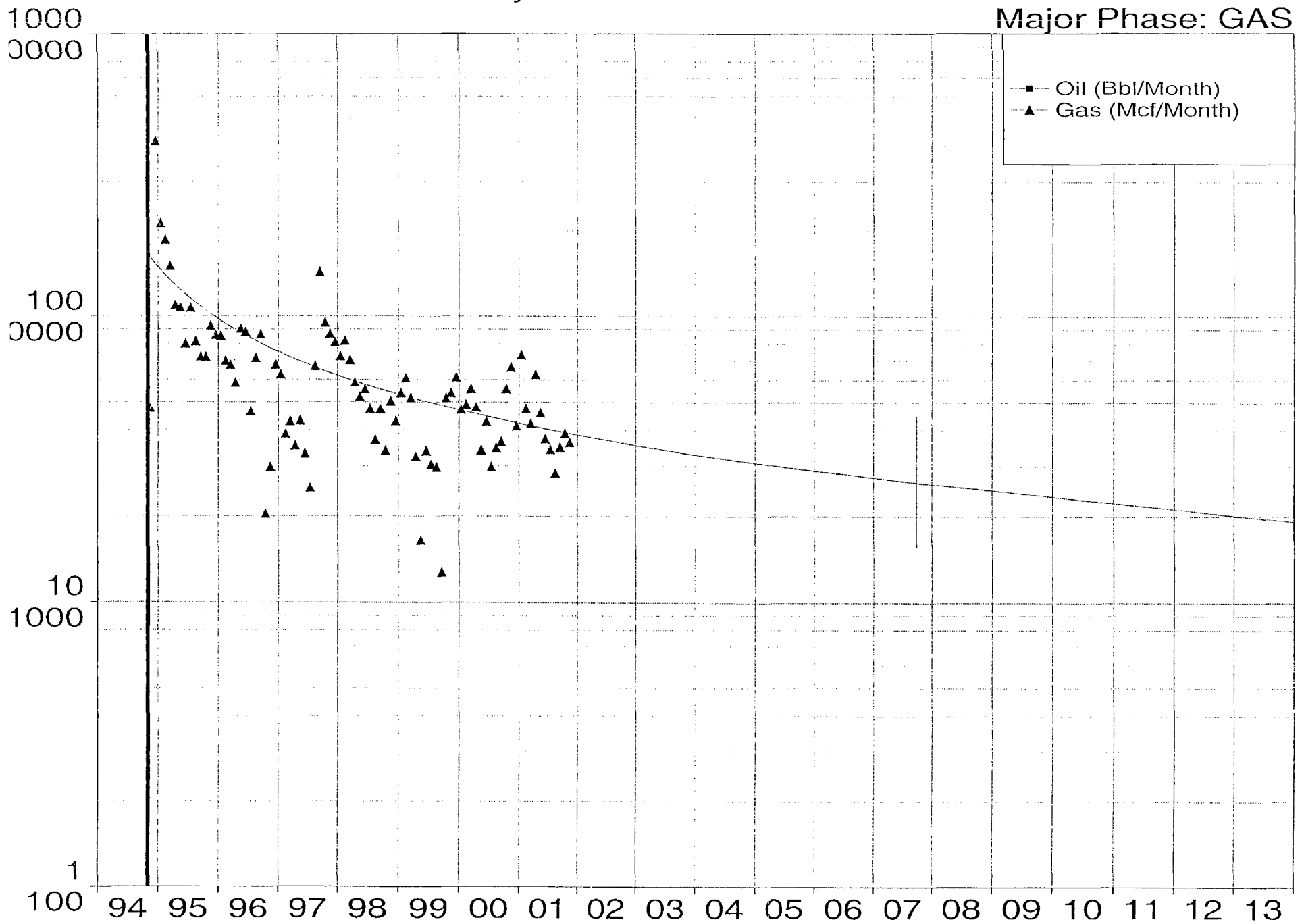
BTAX RATE OF RETURN (PCT)	36.50	PROJECT LIFE (YEARS)	42.900		
BTAX PAYOUT	11/10/1997	DISCOUNT RATE (PCT)	10.000		
BTAX PAYOUT (DISC)	07/27/1998	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	7.68	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	2.73	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	11/01/94	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	2.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000		

---------PRESENT WORTH PROFILE---------			
DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	507.369	30.0	12.736
2.0	365.170	35.0	2.379
5.0	238.327	40.0	-5.532
8.0	164.744	45.0	-11.769
10.0	131.610	50.0	-16.803
12.0	106.357	60.0	-24.438
15.0	78.251	70.0	-29.953
18.0	57.813	80.0	-34.124
20.0	47.067	90.0	-37.395
25.0	26.835	100.0	-40.035

WATER NET REVENUES (M$) .000

Property 13982
ROSA UNIT #139

Monthly Oil and Gas Production



ROSA UNIT #139A
PROPNUM 82500-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
SAN JUAN COUNTY ,NM

DATE: 07/23/02
TIME: 07:41:32
FILE: BRC
PROP: 14041
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

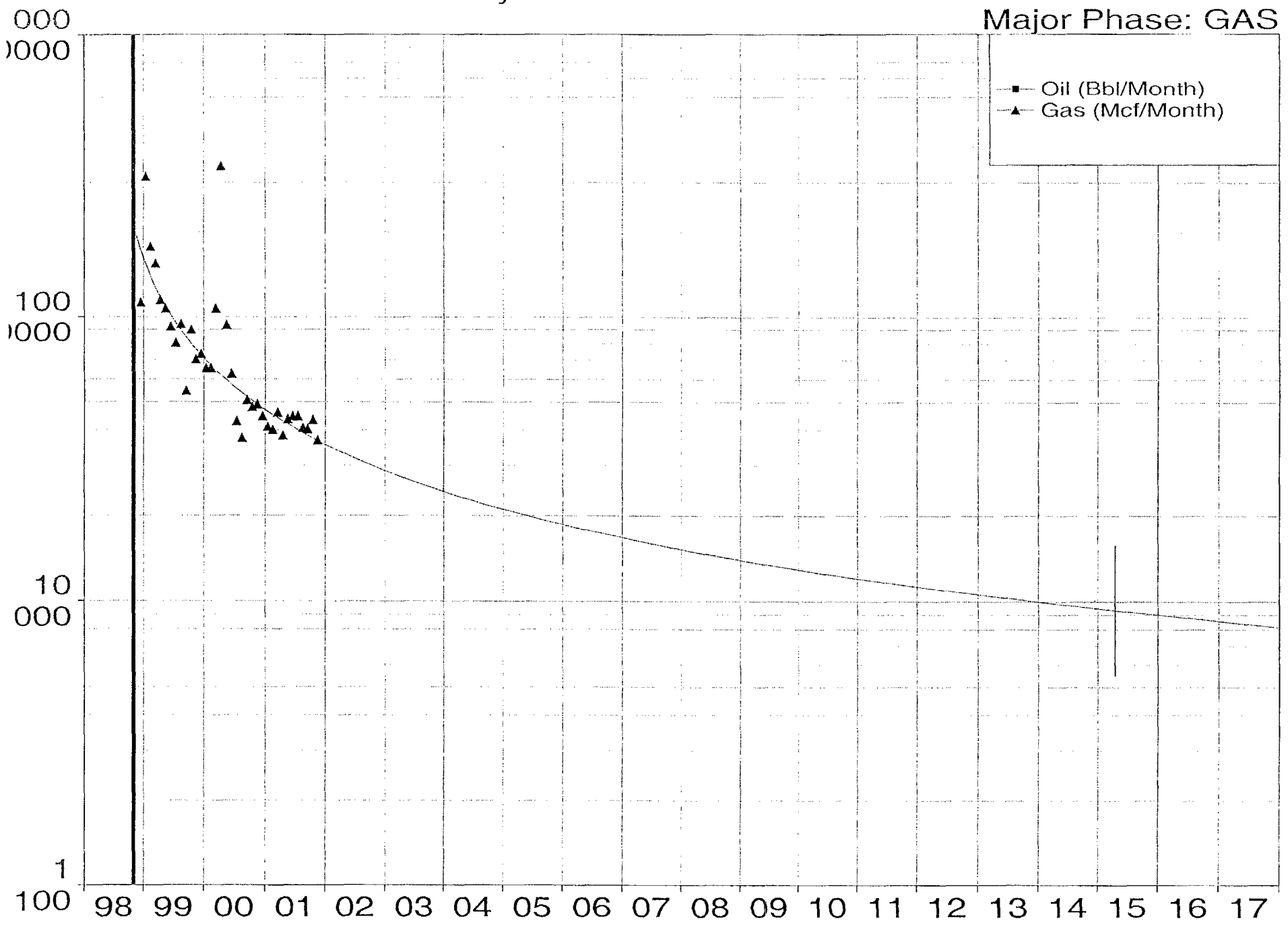
RESERVES AND ECONOMICS

AS OF NOVEMBER 1, 1998

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					10.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-98	.000	36.920	.000	7.430	20.00	1.70	12.642	1.253	.276	89.010	-77.897	-77.985
12-99	.000	124.458	.000	25.047	20.00	1.91	47.815	4.738	1.656	.000	41.421	-39.099
12-00	.000	68.878	.000	13.862	20.00	3.43	47.604	4.717	1.656	.000	41.231	-3.911
12-01	.000	48.921	.000	9.845	20.00	3.40	33.503	3.320	1.656	.000	28.527	18.222
12-02	.000	38.345	.000	7.717	20.00	3.34	25.765	2.553	1.656	.000	21.556	33.426
12-03	.000	31.723	.000	6.384	20.00	3.71	23.659	2.344	1.656	.000	19.659	46.031
12-04	.000	27.158	.000	5.466	20.00	3.74	20.455	2.027	1.656	.000	16.772	55.808
12-05	.000	23.807	.000	4.791	20.00	3.73	17.860	1.770	1.656	.000	14.434	63.457
12-06	.000	21.237	.000	4.274	20.00	3.79	16.216	1.607	1.656	.000	12.953	69.697
12-07	.000	19.198	.000	3.864	20.00	3.84	14.857	1.472	1.656	.000	11.729	74.834
12-08	.000	17.539	.000	3.530	20.00	3.90	13.782	1.365	1.656	.000	10.761	79.118
12-09	.000	16.159	.000	3.252	20.00	3.97	12.895	1.278	1.656	.000	9.961	82.723
12-10	.000	14.996	.000	3.018	20.00	4.03	12.168	1.206	1.656	.000	9.306	85.785
12-11	.000	13.997	.000	2.817	20.00	4.10	11.547	1.144	1.656	.000	8.747	88.401
12-12	.000	13.132	.000	2.643	20.00	4.17	11.010	1.091	1.656	.000	8.263	90.648
12-13	.000	12.375	.000	2.490	20.00	4.21	10.491	1.039	1.656	.000	7.796	92.575
12-14	.000	11.705	.000	2.356	20.00	4.25	10.032	.994	1.656	.000	7.382	94.234
12-15	.000	11.108	.000	2.235	20.00	4.30	9.618	.954	1.656	.000	7.008	95.666
12-16	.000	10.551	.000	2.123	20.00	4.35	9.233	.915	1.656	.000	6.662	96.903
12-17	.000	10.024	.000	2.017	20.00	4.40	8.867	.879	1.656	.000	6.332	97.972
12-18	.000	9.523	.000	1.917	20.00	4.44	8.516	.844	1.656	.000	6.016	98.895
12-19	.000	9.047	.000	1.821	20.00	4.49	8.177	.810	1.656	.000	5.711	99.692
12-20	.000	8.595	.000	1.730	20.00	4.54	7.851	.778	1.656	.000	5.417	100.379
12-21	.000	8.164	.000	1.643	20.00	4.59	7.534	.747	1.656	.000	5.131	100.971
12-22	.000	7.757	.000	1.561	20.00	4.59	7.158	.709	1.656	.000	4.793	101.474
S TOT	.000	615.317	.000	123.833	.00	3.30	409.255	40.554	40.020	89.010	239.671	101.474
REM.	.000	100.425	.000	20.210	.00	4.59	92.676	9.183	36.931	.000	46.562	104.062
TOTAL	.000	715.742	.000	144.043	.00	3.48	501.931	49.737	76.951	89.010	286.233	104.062
CUM.	.000	293.237		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
ULT.	.000	1008.979		NET GAS REVENUES (M$)			501.931	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$	
				TOTAL REVENUES (M$)			501.931	----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		46.59	PROJECT LIFE (YEARS)				46.468	.0	286.233	30.0	24.038	
BTAX PAYOUT		11/19/2000	DISCOUNT RATE (PCT)				10.000	2.0	222.059	35.0	15.038	
BTAX PAYOUT (DISC)		03/04/2001	GROSS OIL WELLS				.000	5.0	161.024	40.0	7.723	
BTAX NET INCOME/INVEST		4.22	GROSS GAS WELLS				1.000	8.0	122.592	45.0	1.640	
BTAX NET INCOME/INVEST (DISC)		2.17	GROSS WELLS				1.000	10.0	104.062	50.0	-3.505	
								12.0	89.217	60.0	-11.784	
NITIAL W.I. FRACTION		.230000	INITIAL NET OIL FRACTION				.000000	15.0	71.695	70.0	-18.175	
INAL W.I. FRACTION		.230000	FINAL NET OIL FRACTION				.000000	18.0	58.081	80.0	-23.275	
RODUCTION START DATE		11/01/98	INITIAL NET GAS FRACTION				.201250	20.0	50.546	90.0	-27.453	
ONTHS IN FIRST LINE		2.00	FINAL NET GAS FRACTION				.201250	25.0	35.456	100.0	-30.941	
ATER GROSS PROD. (MU)		.000	WATER NET PRODUCTION (MU)				.000	WATER NET REVENUES (M$)			.000	

Property 14041
ROSA UNIT #139A

Monthly Oil and Gas Production



ROSA UNIT #145
PROPNUM 82070-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
SAN JUAN COUNTY ,NM

DATE: 07/23/02
TIME: 07:42:02
FILE: BRC
PROP: 13984
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

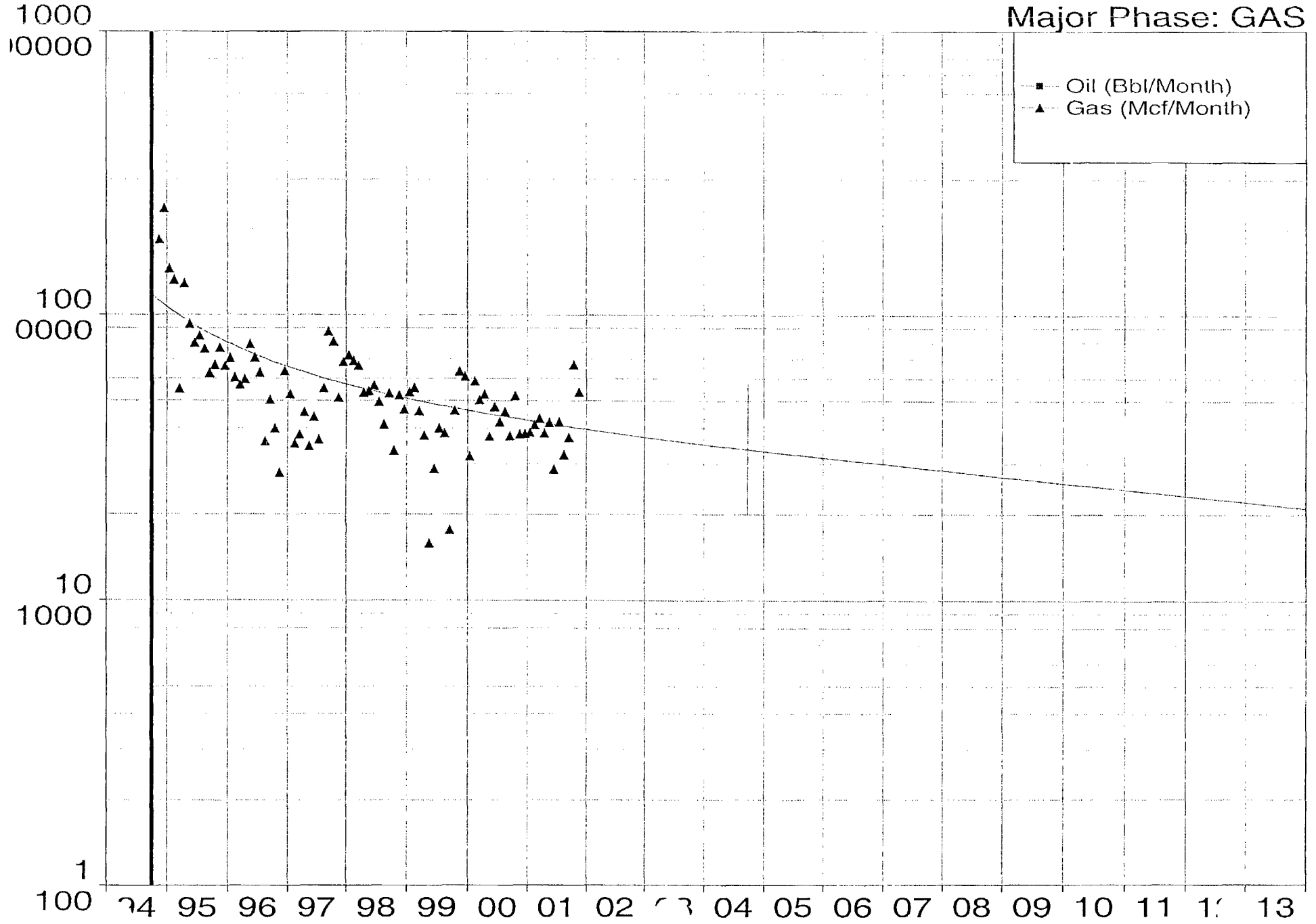
R E S E R V E S A N D E C O N O M I C S

AS OF OCTOBER 1, 1994

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-94	.000	33.768	.000	7.135	20.00	1.44	10.257	1.016	.452	99.546	-90.757	-90.861
12-95	.000	110.105	.000	23.264	20.00	.98	22.769	2.256	1.810	.000	18.703	-73.442
12-96	.000	86.901	.000	18.361	20.00	1.47	26.955	2.671	1.810	.000	22.474	-54.413
12-97	.000	73.563	.000	15.543	20.00	2.14	33.277	3.298	1.810	.000	28.169	-32.731
12-98	.000	64.666	.000	13.663	20.00	1.67	22.844	2.264	1.810	.000	18.770	-19.597
12-99	.000	58.206	.000	12.298	20.00	1.88	23.070	2.286	1.810	.000	18.974	-7.527
12-00	.000	53.253	.000	11.252	20.00	3.37	37.970	3.763	1.810	.000	32.397	11.208
12-01	.000	49.305	.000	10.418	20.00	3.34	34.837	3.452	1.810	.000	29.575	26.756
12-02	.000	46.067	.000	9.733	20.00	3.28	31.932	3.165	1.810	.000	26.957	39.640
12-03	.000	43.349	.000	9.159	20.00	3.64	33.354	3.306	1.810	.000	28.238	51.909
12-04	.000	41.031	.000	8.669	20.00	3.68	31.879	3.159	1.810	.000	26.910	62.538
12-05	.000	38.966	.000	8.233	20.00	3.66	30.158	2.988	1.810	.000	25.360	71.644
12-06	.000	37.018	.000	7.822	20.00	3.73	29.163	2.890	1.810	.000	24.463	79.630
12-07	.000	35.167	.000	7.430	20.00	3.78	28.073	2.782	1.810	.000	23.481	86.598
12-08	.000	33.409	.000	7.059	20.00	3.84	27.081	2.683	1.810	.000	22.588	92.692
12-09	.000	31.738	.000	6.706	20.00	3.90	26.130	2.590	1.810	.000	21.730	98.021
12-10	.000	30.151	.000	6.371	20.00	3.96	25.240	2.502	1.810	.000	20.928	102.687
12-11	.000	28.644	.000	6.052	20.00	4.03	24.378	2.416	1.810	.000	20.152	106.772
12-12	.000	27.212	.000	5.750	20.00	4.09	23.536	2.332	1.810	.000	19.394	110.346
12-13	.000	25.851	.000	5.462	20.00	4.14	22.614	2.241	1.810	.000	18.563	113.456
12-14	.000	24.558	.000	5.189	20.00	4.18	21.711	2.152	1.810	.000	17.749	116.159
12-15	.000	23.331	.000	4.930	20.00	4.23	20.848	2.066	1.810	.000	16.972	118.509
12-16	.000	22.164	.000	4.683	20.00	4.27	20.014	1.983	1.810	.000	16.221	120.551
12-17	.000	21.056	.000	4.449	20.00	4.32	19.218	1.905	1.810	.000	15.503	122.325
12-18	.000	20.003	.000	4.226	20.00	4.37	18.449	1.828	1.810	.000	14.811	123.866
S TOT	.000	1059.482	.000	223.857	.00	2.88	645.757	63.994	43.892	99.546	438.325	123.866
REM.	.000	210.499	.000	44.478	.00	4.49	199.869	19.805	28.481	.000	151.583	132.535
TOTAL	.000	1269.981	.000	268.335	.00	3.15	845.626	83.799	72.373	99.546	589.908	132.535
CUM.	.000	482.423		NET OIL REVENUES (M$)				.000	---------PRESENT WORTH PROFILE---------			
				NET GAS REVENUES (M$)				845.626	DISC	PW OF NET	DISC	PW OF NET
ULT.	.000	1752.404		TOTAL REVENUES (M$)				845.626	RATE	BTAX, M$	RATE	BTAX, M$
									.0	589.908	30.0	-8.619
BTAX RATE OF RETURN (PCT)		27.33	PROJECT LIFE (YEARS)					39.986	2.0	417.820	35.0	-20.303
BTAX PAYOUT		02/21/1999	DISCOUNT RATE (PCT)					10.000	5.0	262.946	40.0	-29.110
BTAX PAYOUT (DISC)		05/26/2000	GROSS OIL WELLS					.000	8.0	172.917	45.0	-35.958
BTAX NET INCOME/INVEST		6.93	GROSS GAS WELLS					1.000	10.0	132.535	50.0	-41.430
BTAX NET INCOME/INVEST (DISC)		2.33	GROSS WELLS					1.000	12.0	101.919	60.0	-49.599
INITIAL W.I. FRACTION		.251380	INITIAL NET OIL FRACTION					.000000	15.0	68.111	70.0	-55.401
FINAL W.I. FRACTION		.251380	FINAL NET OIL FRACTION					.000000	18.0	43.788	80.0	-59.726
PRODUCTION START DATE		10/01/94	INITIAL NET GAS FRACTION					.211290	20.0	31.110	90.0	-63.079
MONTHS IN FIRST LINE		3.00	FINAL NET GAS FRACTION					.211290	25.0	7.544	100.0	-65.752
WATER GROSS PROD. (MU)		.000	WATER NET PRODUCTION (MU)					.000	WATER NET REVENUES (M$)			.000

Property 13984
ROSA UNIT #145

Monthly Oil and Gas Production



ROSA UNIT #145A
PROPNUM 82057-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
SAN JUAN COUNTY ,NM

DATE: 07/23/02
TIME: 07:42:18
FILE: BRC
PROP: 13971
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF NOVEMBER 1, 1994

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					10.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-94	.000	29.752	.000	6.286	20.00	1.43	9.017	.894	.302	80.442	-72.621	-72.683
12-95	.000	119.287	.000	25.204	20.00	.98	24.614	2.439	1.810	.000	20.365	-53.565
12-96	.000	81.754	.000	17.274	20.00	1.46	25.305	2.507	1.810	.000	20.988	-35.653
12-97	.000	66.107	.000	13.968	20.00	2.14	29.840	2.958	1.810	.000	25.072	-16.201
12-98	.000	56.919	.000	12.026	20.00	1.67	20.064	1.989	1.810	.000	16.265	-4.729
12-99	.000	50.692	.000	10.711	20.00	1.87	20.049	1.986	1.810	.000	16.253	5.693
13-00	.000	46.118	.000	9.744	20.00	3.37	32.811	3.252	1.810	.000	27.749	21.868
13-01	.000	42.575	.000	8.996	20.00	3.34	30.017	2.975	1.810	.000	25.232	35.239
13-02	.000	39.727	.000	8.394	20.00	3.27	27.479	2.723	1.810	.000	22.946	46.293
13-03	.000	37.374	.000	7.897	20.00	3.63	28.696	2.844	1.810	.000	24.042	56.822
13-04	.000	35.384	.000	7.476	20.00	3.67	27.432	2.719	1.810	.000	22.903	65.941
13-05	.000	33.609	.000	7.101	20.00	3.66	25.955	2.572	1.810	.000	21.573	73.749
13-06	.000	31.929	.000	6.746	20.00	3.72	25.097	2.487	1.810	.000	20.800	80.593
13-07	.000	30.332	.000	6.409	20.00	3.77	24.163	2.395	1.810	.000	19.958	86.563
13-08	.000	28.815	.000	6.088	20.00	3.83	23.305	2.309	1.810	.000	19.186	91.780
13-09	.000	27.375	.000	5.784	20.00	3.89	22.489	2.229	1.810	.000	18.450	96.341
13-10	.000	26.006	.000	5.495	20.00	3.95	21.723	2.153	1.810	.000	17.760	100.332
13-11	.000	24.706	.000	5.220	20.00	4.02	20.981	2.079	1.810	.000	17.092	103.824
13-12	.000	23.470	.000	4.959	20.00	4.08	20.255	2.007	1.810	.000	16.438	106.877
13-13	.000	22.297	.000	4.711	20.00	4.13	19.462	1.929	1.810	.000	15.723	109.532
13-14	.000	21.182	.000	4.476	20.00	4.17	18.687	1.852	1.810	.000	15.025	111.838
13-15	.000	20.123	.000	4.252	20.00	4.22	17.942	1.778	1.810	.000	14.354	113.841
13-16	.000	19.117	.000	4.039	20.00	4.26	17.224	1.707	1.810	.000	13.707	115.580
13-17	.000	18.161	.000	3.837	20.00	4.31	16.539	1.640	1.810	.000	13.089	117.090
13-18	.000	17.253	.000	3.645	20.00	4.36	15.878	1.573	1.810	.000	12.495	118.400
S TOT	.000	950.064	.000	200.738	.00	2.81	565.024	55.996	43.742	80.442	384.844	118.400
REM.	.000	180.517	.000	38.142	.00	4.48	171.027	16.951	28.231	.000	125.845	125.700
TOTAL	.000	1130.581	.000	238.880	.00	3.08	736.051	72.947	71.973	80.442	510.689	125.700
CUM.	.000	473.665										
ULT.	.000	1604.246										

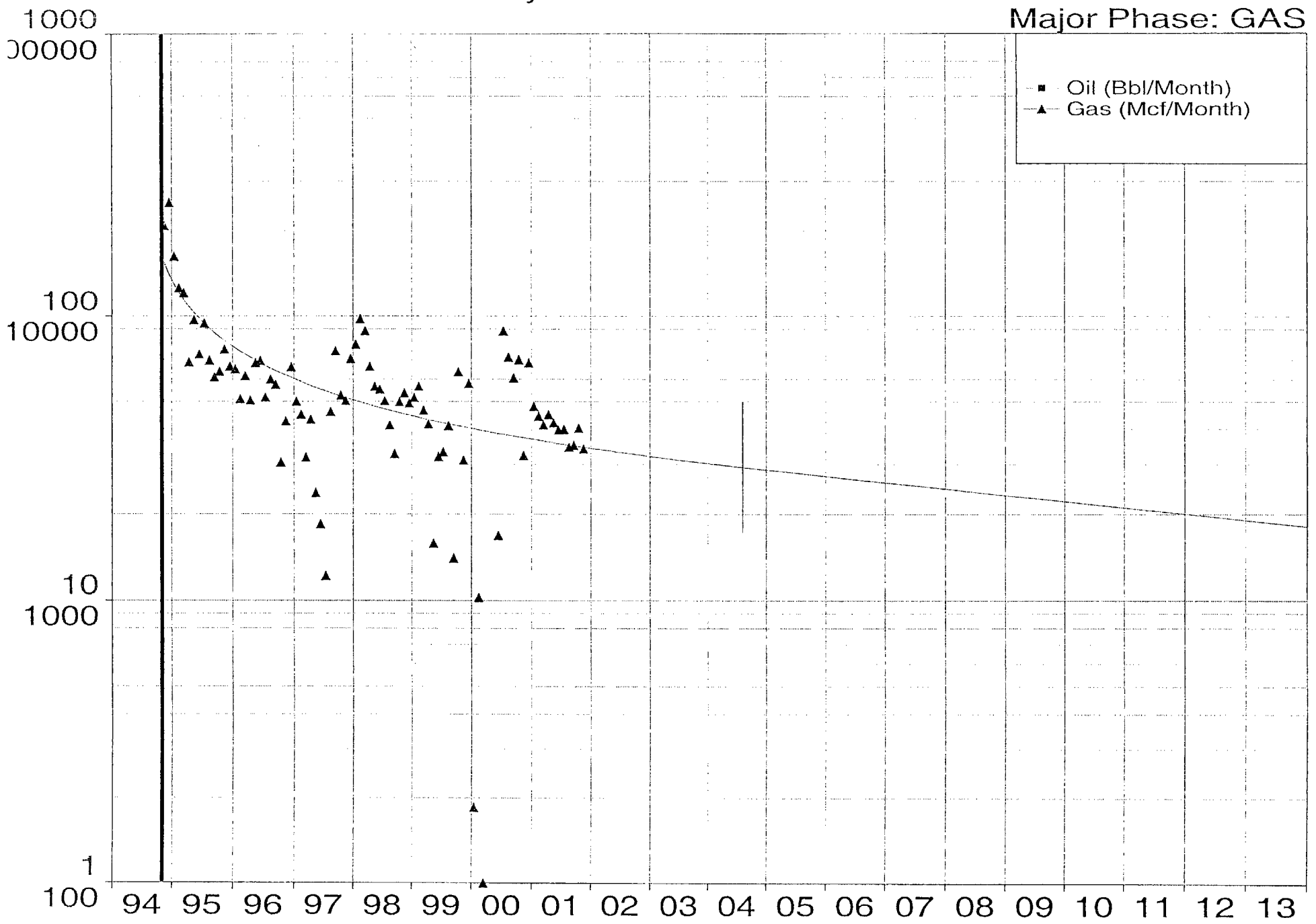
NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	736.051				
TOTAL REVENUES (M$)	736.051				

BTAX RATE OF RETURN (PCT)	32.25	PROJECT LIFE (YEARS)	39.764		
BTAX PAYOUT	05/18/1998	DISCOUNT RATE (PCT)	10.000		
BTAX PAYOUT (DISC)	06/14/1999	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	7.35	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	2.56	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	.251380	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.251380	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	11/01/94	INITIAL NET GAS FRACTION	.211290		
MONTHS IN FIRST LINE	2.00	FINAL NET GAS FRACTION	.211290		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	510.689	30.0	4.589
2.0	366.543	35.0	-5.610
5.0	236.179	40.0	-13.336
8.0	160.005	45.0	-19.378
10.0	125.700	50.0	-24.227
12.0	99.624	60.0	-31.520
15.0	70.732	70.0	-36.743
18.0	49.872	80.0	-40.668
20.0	38.970	90.0	-43.735
25.0	18.618	100.0	-46.195

Property 13971
ROSA UNIT #145A
Monthly Oil and Gas Production



ROSA UNIT #146
PROPNUM 81525-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:42:33
FILE: BRC
PROP: 13824
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF SEPTEMBER 1, 1995

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-95	.000	53.023	.000	10.671	20.00	.96	10.240	1.015	.552	93.610	-84.937	-85.073
12-96	.000	115.375	.000	23.219	20.00	1.44	33.422	3.312	1.656	.000	28.454	-58.782
12-97	.000	80.597	.000	16.220	20.00	2.10	34.048	3.374	1.656	.000	29.018	-34.407
12-98	.000	62.158	.000	12.509	20.00	1.64	20.507	2.033	1.656	.000	16.818	-21.564
12-99	.000	50.681	.000	10.200	20.00	1.84	18.760	1.859	1.656	.000	15.245	-10.981
12-00	.000	42.833	.000	8.620	20.00	3.31	28.521	2.827	1.656	.000	24.038	4.189
12-01	.000	37.121	.000	7.471	20.00	3.28	24.495	2.428	1.656	.000	20.411	15.899
12-02	.000	32.772	.000	6.595	20.00	3.22	21.214	2.102	1.656	.000	17.456	25.004
12-03	.000	29.348	.000	5.906	20.00	3.57	21.088	2.090	1.656	.000	17.342	33.227
12-04	.000	26.583	.000	5.350	20.00	3.61	19.290	1.912	1.656	.000	15.722	40.004
12-05	.000	24.301	.000	4.891	20.00	3.59	17.566	1.741	1.656	.000	14.169	45.556
12-06	.000	22.385	.000	4.505	20.00	3.66	16.468	1.632	1.656	.000	13.180	50.251
12-07	.000	20.754	.000	4.177	20.00	3.70	15.474	1.534	1.656	.000	12.284	54.229
12-08	.000	19.347	.000	3.894	20.00	3.76	14.647	1.451	1.656	.000	11.540	57.627
12-09	.000	18.122	.000	3.647	20.00	3.82	13.933	1.381	1.656	.000	10.896	60.543
12-10	.000	17.046	.000	3.431	20.00	3.88	13.328	1.321	1.656	.000	10.351	63.062
12-11	.000	16.091	.000	3.238	20.00	3.95	12.788	1.267	1.656	.000	9.865	65.244
12-12	.000	15.240	.000	3.067	20.00	4.01	12.309	1.220	1.656	.000	9.433	67.141
12-13	.000	14.470	.000	2.912	20.00	4.06	11.821	1.172	1.656	.000	8.993	68.785
12-14	.000	13.747	.000	2.767	20.00	4.10	11.351	1.125	1.656	.000	8.570	70.209
12-15	.000	13.059	.000	2.628	20.00	4.15	10.897	1.080	1.656	.000	8.161	71.442
12-16	.000	12.406	.000	2.497	20.00	4.19	10.463	1.037	1.656	.000	7.770	72.509
12-17	.000	11.786	.000	2.372	20.00	4.24	10.046	.995	1.656	.000	7.395	73.432
12-18	.000	11.196	.000	2.253	20.00	4.28	9.643	.956	1.656	.000	7.031	74.230
12-19	.000	10.637	.000	2.141	20.00	4.33	9.263	.918	1.656	.000	6.689	74.920
S TOT	.000	771.078	.000	155.181	.00	2.72	421.582	41.782	40.296	93.610	245.894	74.920
REM.	.000	140.137	.000	28.203	.00	4.41	124.513	12.339	38.168	.000	74.006	78.769
TOTAL	.000	911.215	.000	183.384	.00	2.98	546.095	54.121	78.464	93.610	319.900	78.769
CUM.	.000	400.272										
ULT.	.000	1311.487										

NET OIL REVENUES (M$)	.000		
NET GAS REVENUES (M$)	546.095		
TOTAL REVENUES (M$)	546.095		
BTAX RATE OF RETURN (PCT)	26.04	PROJECT LIFE (YEARS)	47.382
BTAX PAYOUT	09/12/1999	DISCOUNT RATE (PCT)	10.000
BTAX PAYOUT (DISC)	09/21/2000	GROSS OIL WELLS	.000
BTAX NET INCOME/INVEST	4.42	GROSS GAS WELLS	1.000
BTAX NET INCOME/INVEST (DISC)	1.84	GROSS WELLS	1.000
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000
PRODUCTION START DATE	9/01/95	INITIAL NET GAS FRACTION	.201250
MONTHS IN FIRST LINE	4.00	FINAL NET GAS FRACTION	.201250
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000

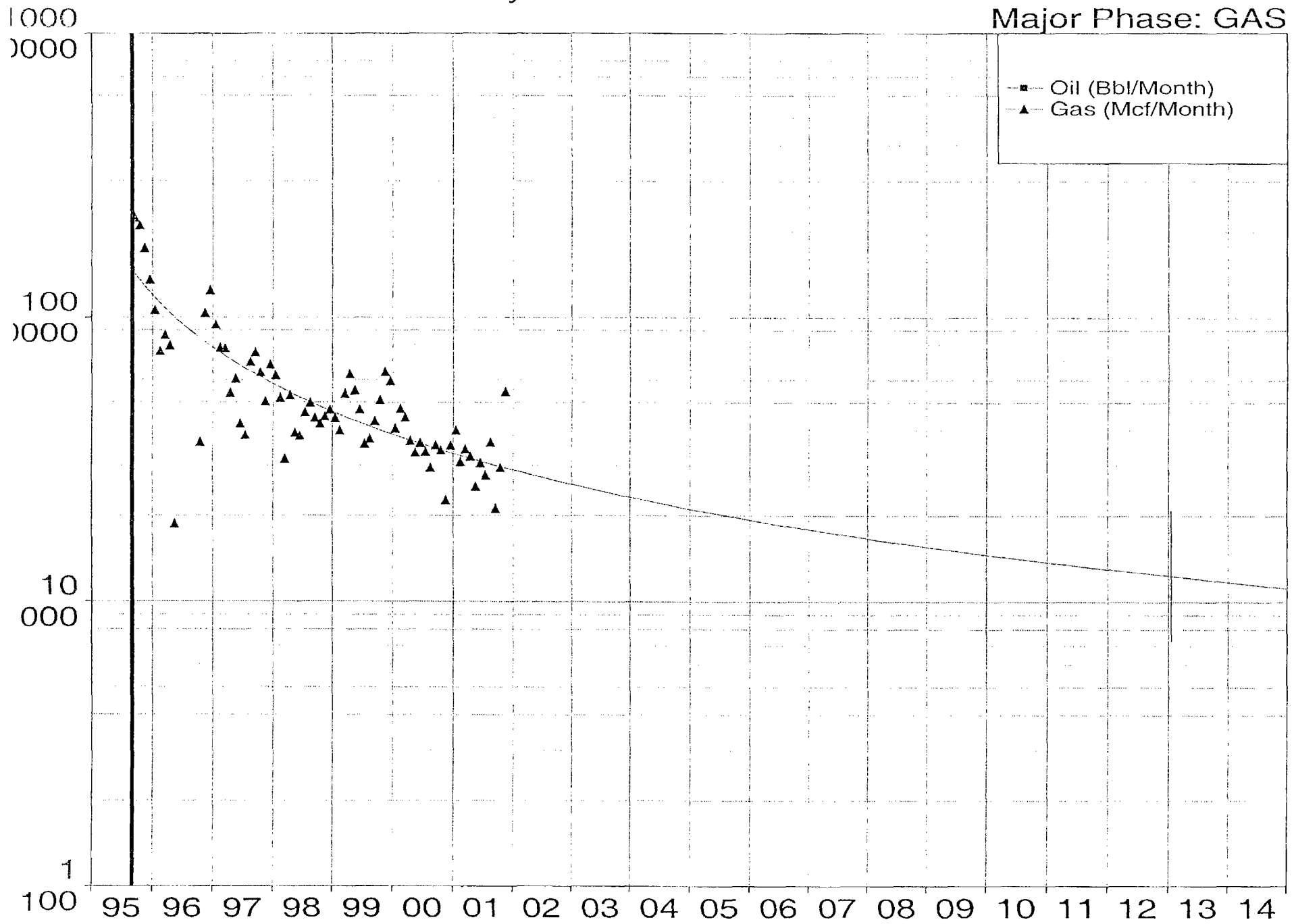
---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	319.900	30.0	-8.983
2.0	230.758	35.0	-17.576
5.0	149.756	40.0	-24.320
8.0	101.261	45.0	-29.760
10.0	78.769	50.0	-34.243
12.0	61.238	60.0	-41.209
15.0	41.177	70.0	-46.390
18.0	26.140	80.0	-50.405
20.0	18.038	90.0	-53.615
25.0	2.357	100.0	-56.247

WATER NET REVENUES (M$) .000

Property 13824
ROSA UNIT #146

Monthly Oil and Gas Production



ROSA UNIT #147
PROPNUM 81526-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:42:48
FILE: BRC
PROP: 13825
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

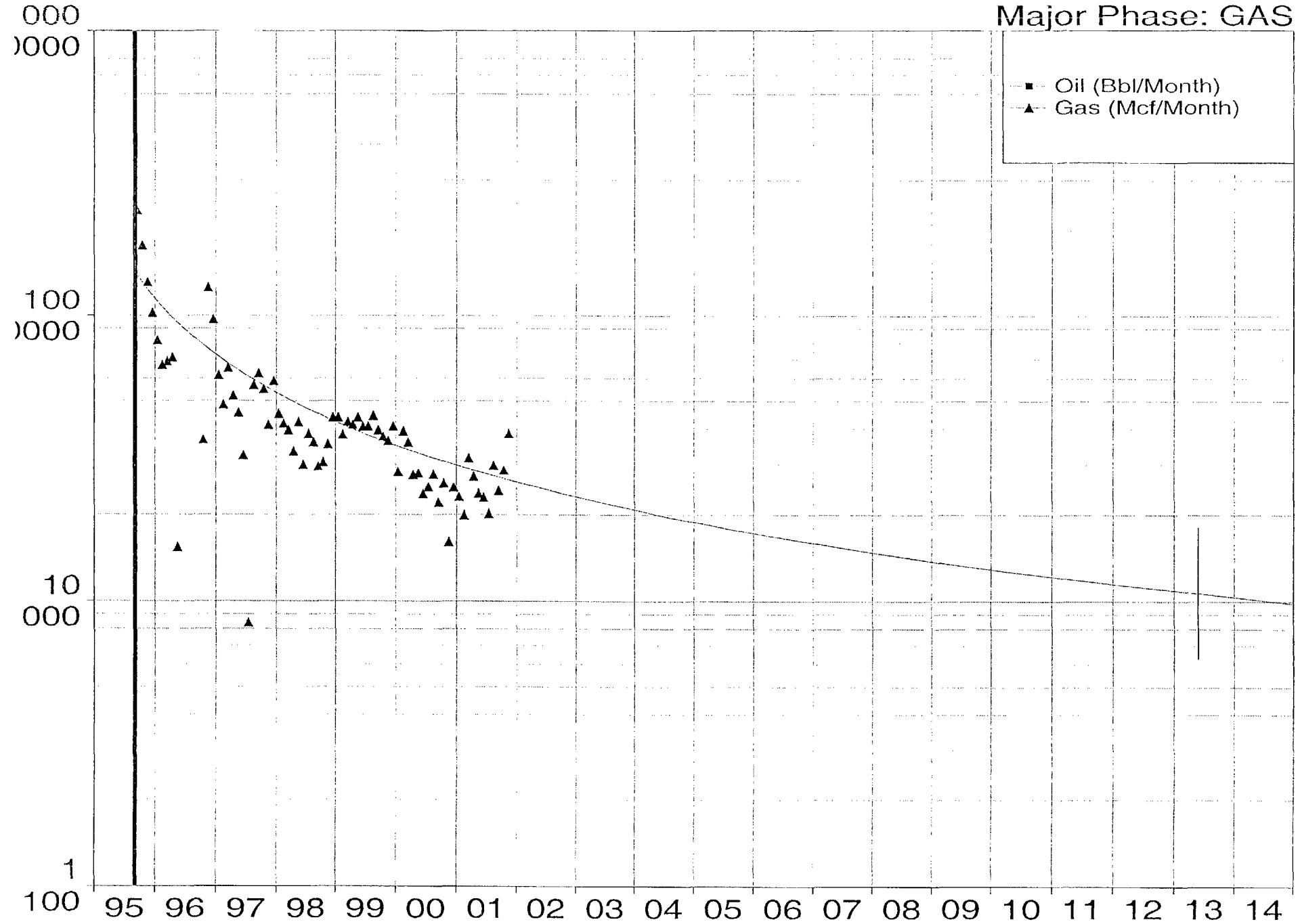
R E S E R V E S A N D E C O N O M I C S

AS OF SEPTEMBER 1, 1995

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-95	.000	51.034	.000	10.271	20.00	.98	10.057	.997	.552	93.380	-84.872	-85.006
12-96	.000	108.818	.000	21.900	20.00	1.47	32.167	3.188	1.656	.000	27.323	-59.760
12-97	.000	74.641	.000	15.022	20.00	2.14	32.177	3.189	1.656	.000	27.332	-36.801
12-98	.000	56.968	.000	11.465	20.00	1.67	19.179	1.901	1.656	.000	15.622	-24.872
12-99	.000	46.128	.000	9.283	20.00	1.88	17.422	1.727	1.656	.000	14.039	-15.126
12-00	.000	38.785	.000	7.805	20.00	3.38	26.351	2.612	1.656	.000	22.083	-1.189
12-01	.000	33.477	.000	6.737	20.00	3.35	22.539	2.234	1.656	.000	18.649	9.510
12-02	.000	29.460	.000	5.929	20.00	3.28	19.461	1.928	1.656	.000	15.877	17.791
12-03	.000	26.310	.000	5.295	20.00	3.64	19.292	1.912	1.656	.000	15.724	25.247
12-04	.000	23.775	.000	4.785	20.00	3.68	17.605	1.744	1.656	.000	14.205	31.370
12-05	.000	21.690	.000	4.365	20.00	3.66	15.997	1.586	1.656	.000	12.755	36.368
12-06	.000	19.944	.000	4.014	20.00	3.73	14.973	1.484	1.656	.000	11.833	40.583
12-07	.000	18.460	.000	3.715	20.00	3.78	14.043	1.392	1.656	.000	10.995	44.144
12-08	.000	17.184	.000	3.458	20.00	3.84	13.273	1.316	1.656	.000	10.301	47.177
12-09	.000	16.075	.000	3.235	20.00	3.90	12.611	1.250	1.656	.000	9.705	49.775
12-10	.000	15.101	.000	3.039	20.00	3.96	12.046	1.194	1.656	.000	9.196	52.013
12-11	.000	14.239	.000	2.865	20.00	4.03	11.550	1.145	1.656	.000	8.749	53.948
12-12	.000	13.472	.000	2.711	20.00	4.10	11.102	1.100	1.656	.000	8.346	55.626
12-13	.000	12.783	.000	2.573	20.00	4.14	10.658	1.056	1.656	.000	7.946	57.079
12-14	.000	12.143	.000	2.444	20.00	4.19	10.231	1.014	1.656	.000	7.561	58.336
12-15	.000	11.536	.000	2.322	20.00	4.23	9.824	.973	1.656	.000	7.195	59.423
12-16	.000	10.959	.000	2.205	20.00	4.28	9.428	.935	1.656	.000	6.837	60.362
12-17	.000	10.411	.000	2.095	20.00	4.32	9.054	.897	1.656	.000	6.501	61.174
12-18	.000	9.891	.000	1.991	20.00	4.37	8.696	.862	1.656	.000	6.178	61.875
12-19	.000	9.396	.000	1.891	20.00	4.41	8.348	.827	1.656	.000	5.865	62.480
S TOT	.000	702.680	.000	141.416	.00	2.74	388.084	38.463	40.296	93.380	215.945	62.480
REM.	.000	124.782	.000	25.114	.00	4.51	113.141	11.212	38.759	.000	63.170	65.805
TOTAL	.000	827.462	.000	166.530	.00	3.01	501.225	49.675	79.055	93.380	279.115	65.805
CUM.	.000	328.224		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			501.225	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	1155.686		TOTAL REVENUES (M$)			501.225	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		23.80	PROJECT LIFE (YEARS)				47.738	.0	279.115	30.0	-13.847	
BTAX PAYOUT		01/10/2000	DISCOUNT RATE (PCT)				10.000	2.0	200.891	35.0	-21.749	
BTAX PAYOUT (DISC)		02/11/2001	GROSS OIL WELLS				.000	5.0	129.231	40.0	-27.968	
BTAX NET INCOME/INVEST		3.99	GROSS GAS WELLS				1.000	8.0	85.979	45.0	-32.998	
BTAX NET INCOME/INVEST (DISC)		1.70	GROSS WELLS				1.000	10.0	65.805	50.0	-37.153	
								12.0	50.013	60.0	-43.624	
INITIAL W.I. FRACTION		.230000	INITIAL NET OIL FRACTION				.000000	15.0	31.883	70.0	-48.454	
FINAL W.I. FRACTION		.230000	FINAL NET OIL FRACTION				.000000	18.0	18.236	80.0	-52.203	
PRODUCTION START DATE		9/01/95	INITIAL NET GAS FRACTION				.201250	20.0	10.865	90.0	-55.211	
MONTHS IN FIRST LINE		4.00	FINAL NET GAS FRACTION				.201250	25.0	-3.449	100.0	-57.681	
WATER GROSS PROD. (MU)		.000	WATER NET PRODUCTION (MU)				.000	WATER NET REVENUES (M$)			.000	

Property 13825
ROSA UNIT #147

Monthly Oil and Gas Production



ROSA UNIT #147A
PROPNUM 82511-1
MESAVERDE RESERVOIR ,BLANCO FIELD,SAN JU
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:43:05
FILE: BRC
PROP: 14047
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF DECEMBER 1, 1998

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					10.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-98	.000	25.298	.000	5.091	20.00	1.70	8.673	.860	.138	90.850	-83.175	-83.205
12-99	.000	166.291	.000	33.466	20.00	1.91	63.967	6.339	1.656	.000	55.972	-30.240
12-00	.000	88.230	.000	17.756	20.00	3.44	61.053	6.051	1.656	.000	53.346	15.651
12-01	.000	62.808	.000	12.640	20.00	3.41	43.068	4.268	1.656	.000	37.144	44.699
12-02	.000	49.594	.000	9.981	20.00	3.34	33.365	3.307	1.656	.000	28.402	64.891
12-03	.000	41.358	.000	8.323	20.00	3.71	30.883	3.060	1.656	.000	26.167	81.803
12-04	.000	35.678	.000	7.180	20.00	3.75	26.903	2.666	1.656	.000	22.581	95.071
12-05	.000	31.502	.000	6.340	20.00	3.73	23.663	2.345	1.656	.000	19.662	105.573
12-06	.000	28.288	.000	5.693	20.00	3.80	21.627	2.143	1.656	.000	17.828	114.230
12-07	.000	25.728	.000	5.178	20.00	3.85	19.934	1.975	1.656	.000	16.303	121.427
12-08	.000	23.639	.000	4.757	20.00	3.91	18.595	1.843	1.656	.000	15.096	127.485
12-09	.000	21.896	.000	4.407	20.00	3.97	17.497	1.734	1.656	.000	14.107	132.632
12-10	.000	20.419	.000	4.109	20.00	4.04	16.587	1.644	1.656	.000	13.287	137.039
12-11	.000	19.148	.000	3.854	20.00	4.10	15.818	1.568	1.656	.000	12.594	140.836
12-12	.000	18.043	.000	3.631	20.00	4.17	15.144	1.501	1.656	.000	11.987	144.122
12-13	.000	17.073	.000	3.436	20.00	4.22	14.495	1.437	1.656	.000	11.402	146.963
12-14	.000	16.205	.000	3.261	20.00	4.26	13.902	1.378	1.656	.000	10.868	149.425
12-15	.000	15.395	.000	3.098	20.00	4.31	13.349	1.322	1.656	.000	10.371	151.561
12-16	.000	14.626	.000	2.943	20.00	4.35	12.816	1.270	1.656	.000	9.890	153.413
12-17	.000	13.894	.000	2.796	20.00	4.40	12.306	1.220	1.656	.000	9.430	155.018
12-18	.000	13.200	.000	2.657	20.00	4.45	11.819	1.172	1.656	.000	8.991	156.409
12-19	.000	12.539	.000	2.523	20.00	4.50	11.343	1.124	1.656	.000	8.563	157.613
12-20	.000	11.913	.000	2.397	20.00	4.54	10.891	1.079	1.656	.000	8.156	158.656
12-21	.000	11.317	.000	2.278	20.00	4.59	10.459	1.036	1.656	.000	7.767	159.559
12-22	.000	10.751	.000	2.164	20.00	4.59	9.936	.984	1.656	.000	7.296	160.330
S TOT	.000	794.833	.000	159.959	.00	3.36	538.093	53.326	39.882	90.850	354.035	160.330
REM.	.000	135.120	.000	27.193	.00	4.59	124.856	12.375	34.970	.000	77.511	164.534
TOTAL	.000	929.953	.000	187.152	.00	3.54	662.949	65.701	74.852	90.850	431.546	164.534
CUM.	.000	308.440										
ULT.	.000	1238.393										

		NET OIL REVENUES (M$)	.000		
		NET GAS REVENUES (M$)	662.949		
		TOTAL REVENUES (M$)	662.949		
BTAX RATE OF RETURN (PCT)	70.25	PROJECT LIFE (YEARS)	45.200		
BTAX PAYOUT	07/04/2000	DISCOUNT RATE (PCT)	10.000		
BTAX PAYOUT (DISC)	08/28/2000	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	5.75	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	2.81	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	12/01/98	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	1.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000		

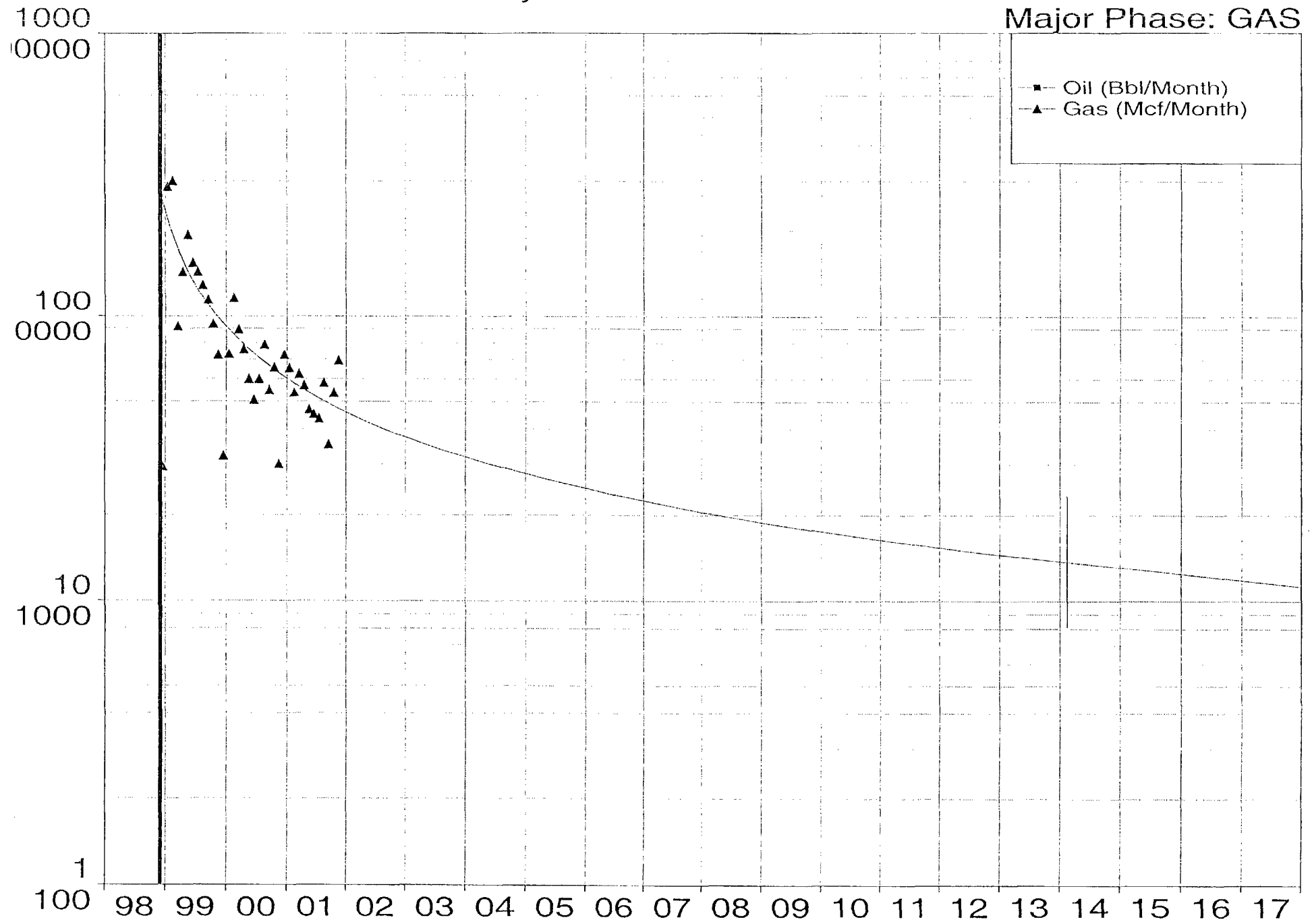
---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	431.546	30.0	55.530
2.0	335.131	35.0	43.622
5.0	245.597	40.0	33.991
8.0	190.596	45.0	26.012
10.0	164.534	50.0	19.275
12.0	143.861	60.0	8.476
15.0	119.729	70.0	.165
18.0	101.180	80.0	-6.461
20.0	90.989	90.0	-11.878
25.0	70.726	100.0	-16.406

WATER NET REVENUES (M$) .000

Property 14047
ROSA UNIT #147A

Monthly Oil and Gas Production



ROSA UNIT #153
PROPNUM 81531-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:43:21
FILE: BRC
PROP: 13830
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF OCTOBER 1, 1995

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-95	.000	32.481	.000	6.537	20.00	.98	6.395	.634	.414	92.690	-87.343	-87.406
12-96	.000	99.287	.000	19.982	20.00	1.47	29.321	2.906	1.656	.000	24.759	-64.346
12-97	.000	69.999	.000	14.087	20.00	2.14	30.145	2.987	1.656	.000	25.502	-42.754
12-98	.000	53.498	.000	10.766	20.00	1.67	17.992	1.783	1.656	.000	14.553	-31.552
12-99	.000	42.990	.000	8.652	20.00	1.87	16.222	1.608	1.656	.000	12.958	-22.485
13-00	.000	35.750	.000	7.195	20.00	3.37	24.268	2.405	1.656	.000	20.207	-3.631
13-01	.000	30.481	.000	6.134	20.00	3.34	20.502	2.032	1.656	.000	16.814	.093
13-02	.000	26.486	.000	5.330	20.00	3.28	17.478	1.732	1.656	.000	14.090	7.501
13-03	.000	23.361	.000	4.701	20.00	3.64	17.111	1.696	1.656	.000	13.759	14.077
13-04	.000	20.854	.000	4.197	20.00	3.68	15.426	1.528	1.656	.000	12.242	19.396
13-05	.000	18.802	.000	3.784	20.00	3.66	13.854	1.373	1.656	.000	10.825	23.672
13-06	.000	17.095	.000	3.440	20.00	3.73	12.819	1.271	1.656	.000	9.892	27.224
13-07	.000	15.652	.000	3.150	20.00	3.78	11.896	1.179	1.656	.000	9.061	30.182
13-08	.000	14.420	.000	2.902	20.00	3.83	11.128	1.103	1.656	.000	8.369	32.666
13-09	.000	13.355	.000	2.688	20.00	3.89	10.469	1.037	1.656	.000	7.776	34.764
13-10	.000	12.426	.000	2.501	20.00	3.96	9.904	.981	1.656	.000	7.267	36.546
13-11	.000	11.611	.000	2.337	20.00	4.03	9.409	.933	1.656	.000	6.820	38.067
13-12	.000	10.888	.000	2.191	20.00	4.09	8.964	.889	1.656	.000	6.419	39.368
13-13	.000	10.244	.000	2.062	20.00	4.14	8.533	.846	1.656	.000	6.031	40.479
13-14	.000	9.668	.000	1.946	20.00	4.18	8.138	.806	1.656	.000	5.676	41.430
13-15	.000	9.148	.000	1.841	20.00	4.23	7.782	.771	1.656	.000	5.355	42.245
13-16	.000	8.678	.000	1.746	20.00	4.27	7.458	.739	1.656	.000	5.063	42.946
13-17	.000	8.242	.000	1.659	20.00	4.32	7.163	.710	1.656	.000	4.797	43.550
13-18	.000	7.831	.000	1.575	20.00	4.36	6.877	.682	1.656	.000	4.539	44.069
13-19	.000	7.439	.000	1.497	20.00	4.41	6.602	.654	1.656	.000	4.292	44.515
S TOT	.000	610.686	.000	122.901	.00	2.73	335.856	33.285	40.158	92.690	169.723	44.515
REM.	.000	102.137	.000	20.554	.00	4.50	92.510	9.167	41.400	.000	41.943	46.845
TOTAL	.000	712.823	.000	143.455	.00	2.99	428.366	42.452	81.558	92.690	211.666	46.845
CUM.	.000	313.928										
ULT.	.000	1026.751										

		NET OIL REVENUES (M$)	.000		
		NET GAS REVENUES (M$)	428.366		
		TOTAL REVENUES (M$)	428.366		
BTAX RATE OF RETURN (PCT)	20.20	PROJECT LIFE (YEARS)	49.250		
BTAX PAYOUT	06/21/2000	DISCOUNT RATE (PCT)	10.000		
BTAX PAYOUT (DISC)	12/28/2001	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	3.28	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	1.51	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/95	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	3.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000		

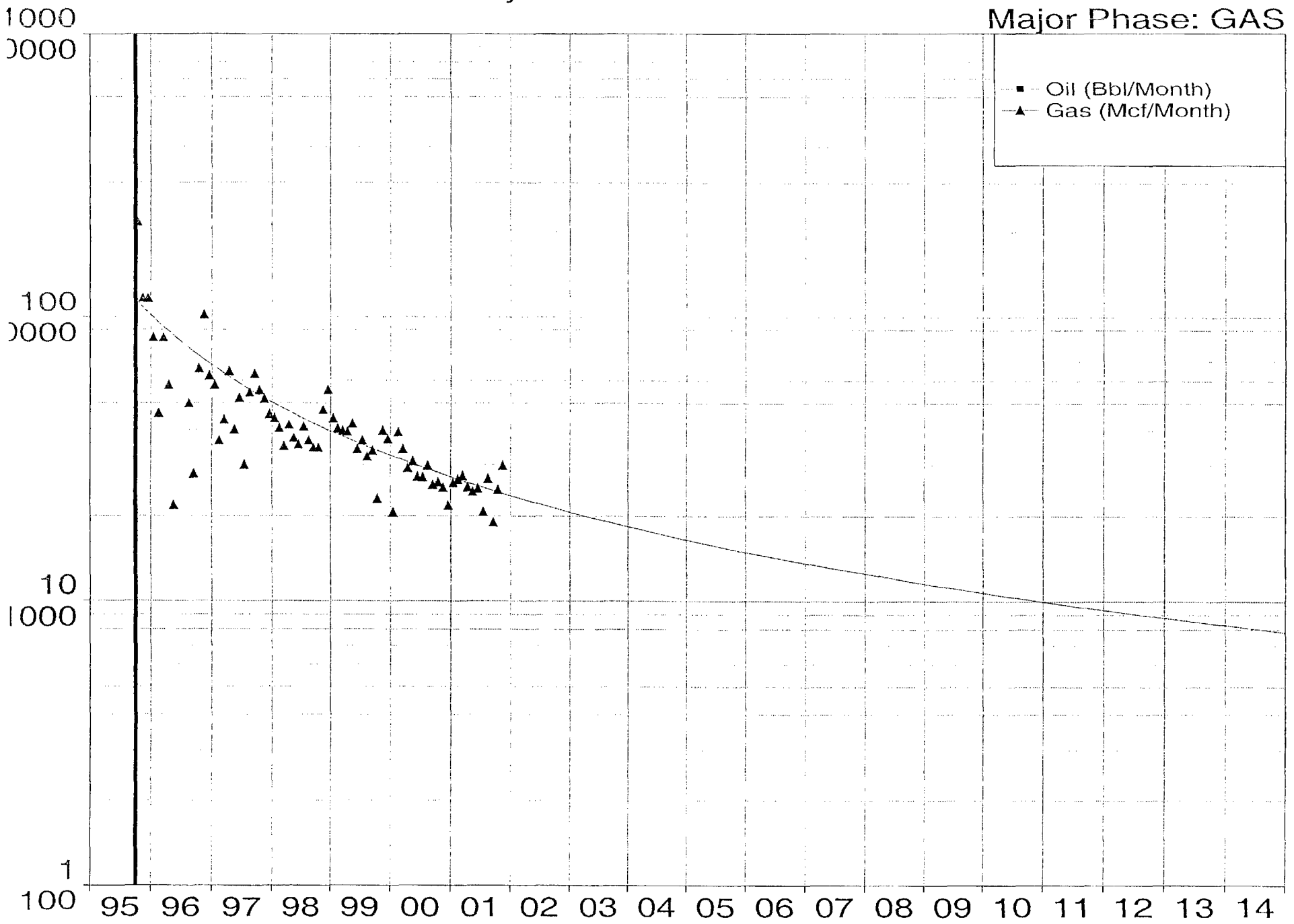
---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	211.666	30.0	-21.102
2.0	153.253	35.0	-28.111
5.0	97.900	40.0	-33.662
8.0	63.338	45.0	-38.169
10.0	46.845	50.0	-41.904
12.0	33.750	60.0	-47.748
15.0	18.501	70.0	-52.120
18.0	6.849	80.0	-55.523
20.0	.504	90.0	-58.256
25.0	-11.953	100.0	-60.502

WATER NET REVENUES (M$) .000

Property 13830
ROSA UNIT #153

Monthly Oil and Gas Production



ROSA UNIT #153A MV
PROPNUM 82871-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:43:38
FILE: BRC
PROP: 14098
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

RESERVES AND ECONOMICS

AS OF DECEMBER 1, 2000

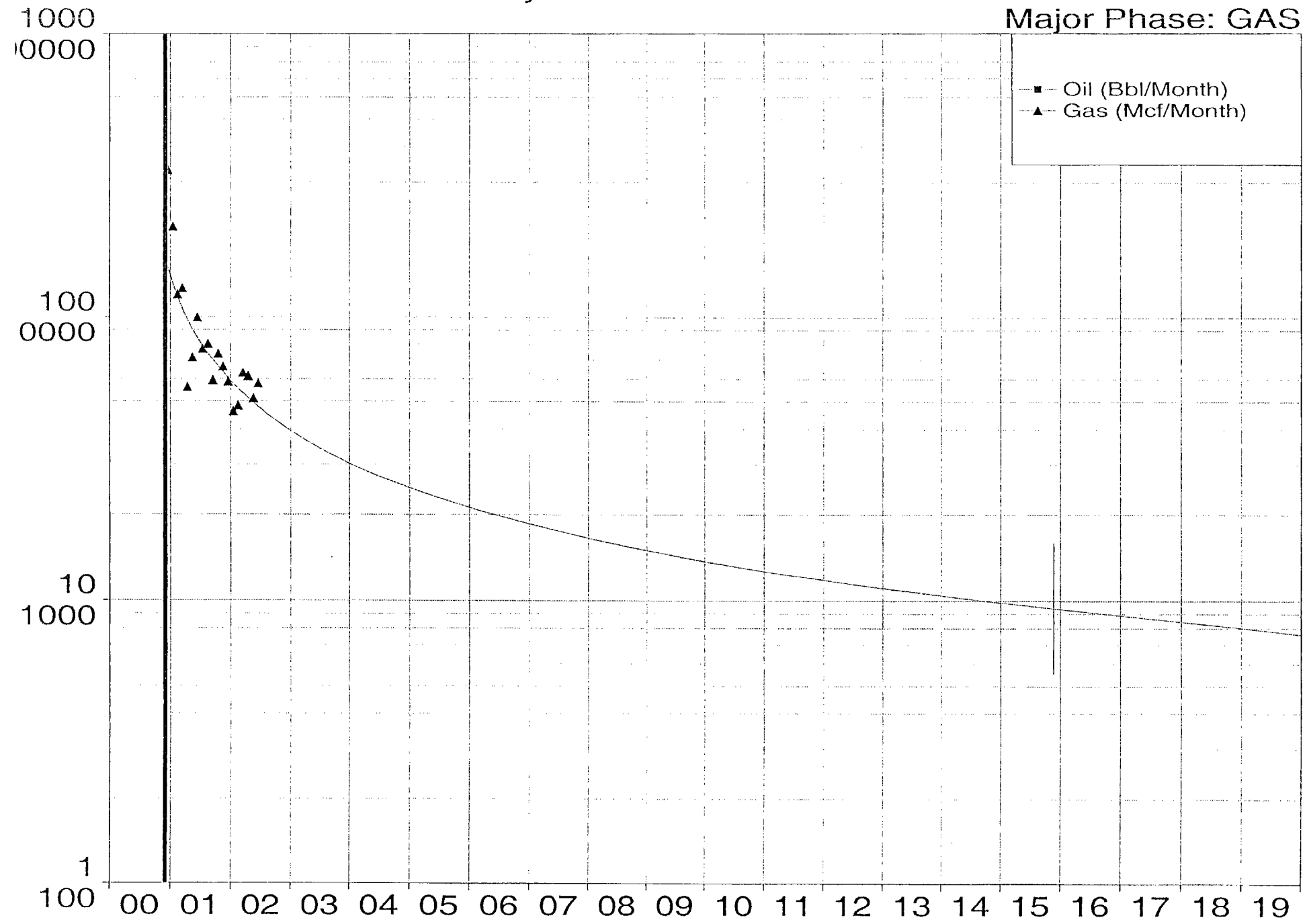
-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-00	.000	15.018	.000	6.045	20.00	3.07	18.558	1.839	.276	171.580	-155.137	-155.202
12-01	.000	104.124	.000	41.910	20.00	3.04	127.406	12.626	3.312	.000	111.468	-49.722
12-02	.000	57.379	.000	23.095	20.00	2.98	68.777	6.816	3.312	.000	58.649	.731
12-03	.000	41.332	.000	16.636	20.00	3.33	55.431	5.493	3.312	.000	46.626	37.195
12-04	.000	32.847	.000	13.221	20.00	3.37	44.515	4.411	3.312	.000	36.792	63.352
12-05	.000	27.509	.000	11.072	20.00	3.35	37.124	3.679	3.312	.000	30.133	82.828
12-06	.000	23.806	.000	9.582	20.00	3.42	32.742	3.245	3.312	.000	26.185	98.213
12-07	.000	21.071	.000	8.481	20.00	3.47	29.395	2.913	3.312	.000	23.170	110.589
12-08	.000	18.958	.000	7.631	20.00	3.52	26.884	2.665	3.312	.000	20.907	120.741
12-09	.000	17.271	.000	6.952	20.00	3.58	24.902	2.468	3.312	.000	19.122	129.182
12-10	.000	15.892	.000	6.397	20.00	3.65	23.323	2.311	3.312	.000	17.700	136.285
12-11	.000	14.738	.000	5.932	20.00	3.71	22.014	2.181	3.312	.000	16.521	142.312
12-12	.000	13.759	.000	5.538	20.00	3.78	20.906	2.072	3.312	.000	15.522	147.460
12-13	.000	12.916	.000	5.199	20.00	3.82	19.865	1.969	3.312	.000	14.584	151.857
12-14	.000	12.181	.000	4.903	20.00	3.86	18.945	1.877	3.312	.000	13.756	155.628
12-15	.000	11.535	.000	4.643	20.00	3.91	18.145	1.798	3.312	.000	13.035	158.876
12-16	.000	10.954	.000	4.409	20.00	3.95	17.424	1.727	3.312	.000	12.385	161.682
12-17	.000	10.407	.000	4.189	20.00	4.00	16.743	1.659	3.312	.000	11.772	164.106
12-18	.000	9.886	.000	3.979	20.00	4.04	16.083	1.593	3.312	.000	11.178	166.199
12-19	.000	9.391	.000	3.780	20.00	4.09	15.453	1.532	3.312	.000	10.609	168.005
12-20	.000	8.923	.000	3.592	20.00	4.13	14.849	1.471	3.312	.000	10.066	169.562
12-21	.000	8.476	.000	3.412	20.00	4.18	14.262	1.414	3.312	.000	9.536	170.903
12-22	.000	8.052	.000	3.241	20.00	4.18	13.547	1.342	3.312	.000	8.893	172.040
12-23	.000	7.649	.000	3.079	20.00	4.18	12.870	1.275	3.312	.000	8.283	173.003
12-24	.000	7.268	.000	2.925	20.00	4.18	12.227	1.211	3.312	.000	7.704	173.817
S TOT	.000	521.342	.000	209.843	.00	3.44	722.390	71.587	79.764	171.580	399.459	173.817
REM.	.000	90.784	.000	36.538	.00	4.18	152.730	15.136	69.186	.000	68.408	177.822
TOTAL	.000	612.126	.000	246.381	.00	3.55	875.120	86.723	148.950	171.580	467.867	177.822
CUM.	.000	147.691										
ULT.	.000	759.817										

		NET OIL REVENUES (M$)	.000		
		NET GAS REVENUES (M$)	875.120		
		TOTAL REVENUES (M$)	875.120		
BTAX RATE OF RETURN (PCT)	50.73	PROJECT LIFE (YEARS)	44.973		
BTAX PAYOUT	09/29/2002	DISCOUNT RATE (PCT)	10.000		
BTAX PAYOUT (DISC)	12/26/2002	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	3.73	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	2.04	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	.460000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.460000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	12/01/00	INITIAL NET GAS FRACTION	.402500		
MONTHS IN FIRST LINE	1.00	FINAL NET GAS FRACTION	.402500		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	467.867	30.0	46.936
2.0	367.127	35.0	32.033
5.0	269.845	40.0	19.868
8.0	207.865	45.0	9.690
10.0	177.822	50.0	1.023
12.0	153.674	60.0	-13.024
15.0	125.097	70.0	-23.996
18.0	102.852	80.0	-32.856
20.0	90.522	90.0	-40.189
25.0	65.754	100.0	-46.385

Property 14098
ROSA UNIT #153A MV
Monthly Oil and Gas Production



ROSA UNIT #168
PROPNUM 82520-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:43:54
FILE: BRC
PROP: 14053
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF NOVEMBER 1, 1998

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-98	.000	33.812	.000	6.805	20.00	1.68	11.424	1.132	.276	80.500	-70.484	-70.563
12-99	.000	140.839	.000	28.344	20.00	1.88	53.384	5.291	1.656	.000	46.437	-26.968
13-00	.000	89.707	.000	18.054	20.00	3.39	61.169	6.062	1.656	.000	53.451	18.650
13-01	.000	66.219	.000	13.327	20.00	3.36	44.744	4.434	1.656	.000	38.654	48.640
13-02	.000	52.624	.000	10.591	20.00	3.29	34.886	3.457	1.656	.000	29.773	69.640
13-03	.000	43.729	.000	8.800	20.00	3.66	32.175	3.189	1.656	.000	27.330	87.164
13-04	.000	37.446	.000	7.536	20.00	3.69	27.824	2.757	1.656	.000	23.411	100.811
13-05	.000	32.765	.000	6.594	20.00	3.68	24.251	2.404	1.656	.000	20.191	111.511
13-06	.000	29.142	.000	5.865	20.00	3.74	21.954	2.176	1.656	.000	18.122	120.241
13-07	.000	26.251	.000	5.283	20.00	3.79	20.041	1.986	1.656	.000	16.399	127.423
13-08	.000	23.890	.000	4.808	20.00	3.85	18.519	1.836	1.656	.000	15.027	133.406
13-09	.000	21.925	.000	4.412	20.00	3.91	17.261	1.710	1.656	.000	13.895	138.435
13-10	.000	20.265	.000	4.078	20.00	3.98	16.221	1.608	1.656	.000	12.957	142.698
13-11	.000	18.841	.000	3.792	20.00	4.04	15.336	1.520	1.656	.000	12.160	146.335
13-12	.000	17.607	.000	3.543	20.00	4.11	14.561	1.443	1.656	.000	11.462	149.452
13-13	.000	16.529	.000	3.326	20.00	4.16	13.826	1.370	1.656	.000	10.800	152.122
13-14	.000	15.575	.000	3.134	20.00	4.20	13.165	1.305	1.656	.000	10.204	154.415
13-15	.000	14.729	.000	2.964	20.00	4.25	12.585	1.248	1.656	.000	9.681	156.393
13-16	.000	13.970	.000	2.811	20.00	4.29	12.062	1.196	1.656	.000	9.210	158.104
13-17	.000	13.271	.000	2.671	20.00	4.34	11.584	1.148	1.656	.000	8.780	159.587
13-18	.000	12.607	.000	2.537	20.00	4.38	11.120	1.102	1.656	.000	8.362	160.871
13-19	.000	11.977	.000	2.410	20.00	4.43	10.677	1.058	1.656	.000	7.963	161.982
13-20	.000	11.378	.000	2.290	20.00	4.48	10.253	1.016	1.656	.000	7.581	162.944
13-21	.000	10.809	.000	2.175	20.00	4.52	9.840	.976	1.656	.000	7.208	163.775
13-22	.000	10.268	.000	2.066	20.00	4.52	9.347	.926	1.656	.000	6.765	164.484
S TOT	.000	786.175	.000	158.216	.00	3.34	528.209	52.350	40.020	80.500	355.339	164.484
REM.	.000	136.767	.000	27.525	.00	4.52	124.533	12.343	38.978	.000	73.212	168.346
TOTAL	.000	922.942	.000	185.741	.00	3.51	652.742	64.693	78.998	80.500	428.551	168.346
CUM.	.000	312.713										
ULT.	.000	1235.655										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	652.742				
TOTAL REVENUES (M$)	652.742				

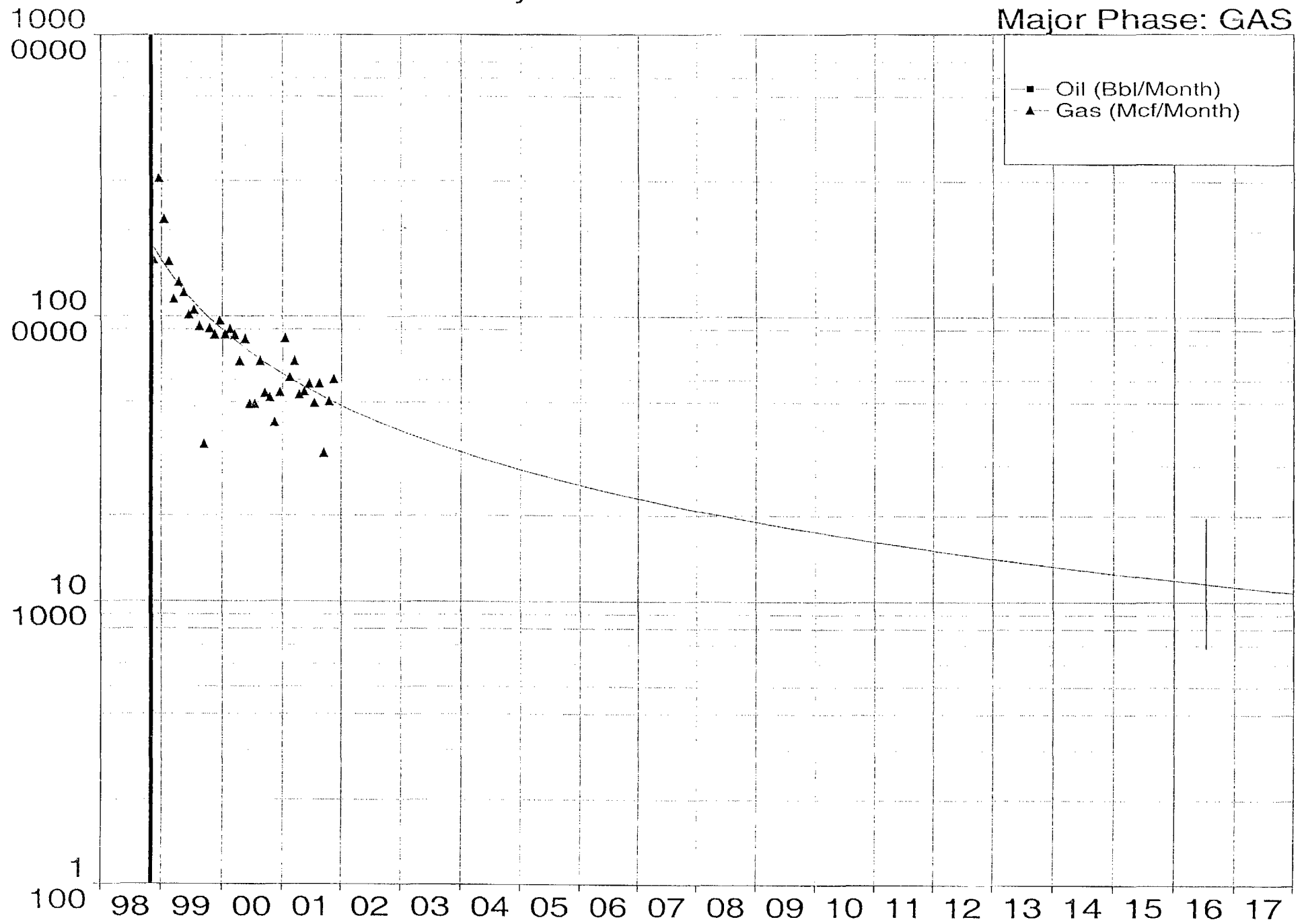
BTAX RATE OF RETURN (PCT)	74.51	PROJECT LIFE (YEARS)	47.704		
BTAX PAYOUT	06/13/2000	DISCOUNT RATE (PCT)	10.000		
BTAX PAYOUT (DISC)	08/03/2000	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	6.32	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	3.09	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	11/01/98	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	2.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	428.551	30.0	58.956
2.0	335.088	35.0	46.873
5.0	247.991	40.0	37.106
8.0	194.084	45.0	29.023
10.0	168.346	50.0	22.203
12.0	147.827	60.0	11.318
15.0	123.738	70.0	2.980
18.0	105.109	80.0	-3.632
20.0	94.839	90.0	-9.014
25.0	74.360	100.0	-13.483

Property 14053
ROSA UNIT #168

Monthly Oil and Gas Production



ROSA UNIT #168A MV
PROPNUM 82865-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:44:10
FILE: BRC
PROP: 14092
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF NOVEMBER 1, 2000

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-00	.000	32.200	.000	6.480	20.00	3.07	19.894	1.971	.276	105.110	-87.463	-87.602
12-01	.000	80.444	.000	16.189	20.00	3.04	49.215	4.877	1.656	.000	42.682	-47.532
12-02	.000	38.319	.000	7.712	20.00	2.98	22.966	2.276	1.656	.000	19.034	-31.287
12-03	.000	26.219	.000	5.277	20.00	3.33	17.583	1.742	1.656	.000	14.185	-20.281
12-04	.000	20.207	.000	4.067	20.00	3.37	13.694	1.357	1.656	.000	10.681	-12.747
12-05	.000	16.560	.000	3.333	20.00	3.35	11.176	1.108	1.656	.000	8.412	-7.353
12-06	.000	14.094	.000	2.836	20.00	3.42	9.691	.960	1.656	.000	7.075	-3.229
12-07	.000	12.306	.000	2.477	20.00	3.47	8.585	.851	1.656	.000	6.078	-.008
12-08	.000	10.948	.000	2.203	20.00	3.52	7.761	.769	1.656	.000	5.336	2.563
12-09	.000	9.876	.000	1.988	20.00	3.58	7.121	.706	1.656	.000	4.759	4.647
12-10	.000	9.010	.000	1.813	20.00	3.65	6.610	.655	1.656	.000	4.299	6.359
12-11	.000	8.292	.000	1.669	20.00	3.71	6.194	.613	1.656	.000	3.925	7.780
12-12	.000	7.688	.000	1.547	20.00	3.78	5.840	.579	1.656	.000	3.605	8.966
12-13	.000	7.171	.000	1.443	20.00	3.82	5.514	.546	1.656	.000	3.312	9.957
12-14	.000	6.725	.000	1.353	20.00	3.86	5.228	.519	1.656	.000	3.053	10.787
12-15	.000	6.335	.000	1.275	20.00	3.91	4.983	.493	1.656	.000	2.834	11.488
12-16	.000	5.990	.000	1.205	20.00	3.95	4.762	.472	1.656	.000	2.634	12.080
12-17	.000	5.682	.000	1.144	20.00	4.00	4.573	.454	1.656	.000	2.463	12.583
12-18	.000	5.399	.000	1.087	20.00	4.04	4.394	.435	1.656	.000	2.303	13.011
12-19	.000	5.129	.000	1.032	20.00	4.09	4.219	.418	1.656	.000	2.145	13.373
12-20	.000	4.872	.000	.980	20.00	4.13	4.051	.402	1.656	.000	1.993	13.679
12-21	.000	4.629	.000	.932	20.00	4.18	3.896	.386	1.656	.000	1.854	13.938
12-22	.000	4.397	.000	.885	20.00	4.18	3.699	.367	1.656	.000	1.676	14.151
12-23	.000	4.177	.000	.841	20.00	4.18	3.515	.348	1.656	.000	1.511	14.325
12-24	.000	3.969	.000	.799	20.00	4.18	3.340	.331	1.656	.000	1.353	14.467
S TOT	.000	350.638	.000	70.567	.00	3.38	238.504	23.635	40.020	105.110	69.739	14.467
REM.	.000	32.513	.000	6.543	.00	4.18	27.350	2.710	18.216	.000	6.424	14.941
TOTAL	.000	383.151	.000	77.110	.00	3.45	265.854	26.345	58.236	105.110	76.163	14.941
CUM.	.000	102.040										
ULT.	.000	485.191										

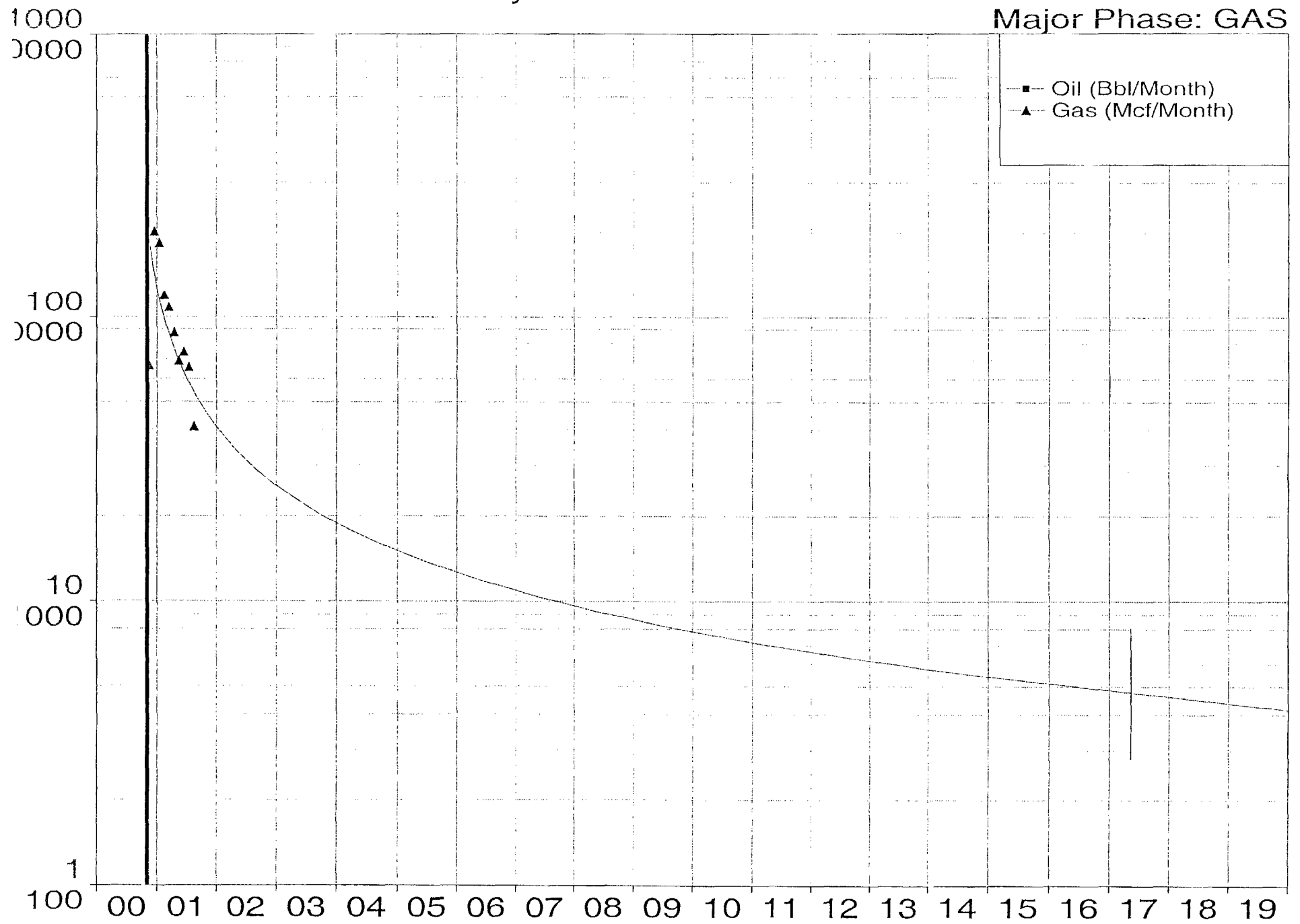
NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	265.854				
TOTAL REVENUES (M$)	265.854				

BTAX RATE OF RETURN (PCT)	15.64	PROJECT LIFE (YEARS)	35.167		
BTAX PAYOUT	02/08/2005	DISCOUNT RATE (PCT)	10.000		
BTAX PAYOUT (DISC)	12/31/2007	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	1.72	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	1.14	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	11/01/00	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	2.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	76.163	30.0	-20.904
2.0	56.970	35.0	-25.437
5.0	36.544	40.0	-29.220
8.0	22.274	45.0	-32.435
10.0	14.941	50.0	-35.217
12.0	8.811	60.0	-39.810
15.0	1.299	70.0	-43.477
18.0	-4.762	80.0	-46.481
20.0	-8.213	90.0	-49.011
25.0	-15.323	100.0	-51.173

Property 14092
ROSA UNIT #168A MV
Monthly Oil and Gas Production



ROSA UNIT #170
PROPNUM 82521-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:44:26
FILE: BRC
PROP: 14054
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF NOVEMBER 1, 1998

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					10.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-98	.000	30.682	.000	6.175	20.00	1.70	10.503	1.041	.276	88.780	-79.594	-79.667
12-99	.000	86.901	.000	17.489	20.00	1.91	33.374	3.308	1.656	.000	28.410	-52.996
12-00	.000	43.567	.000	8.768	20.00	3.43	30.099	2.983	1.656	.000	25.460	-31.267
12-01	.000	30.083	.000	6.054	20.00	3.40	20.594	2.040	1.656	.000	16.898	-18.157
12-02	.000	23.254	.000	4.680	20.00	3.34	15.619	1.548	1.656	.000	12.415	-9.400
12-03	.000	19.077	.000	3.839	20.00	3.70	14.222	1.409	1.656	.000	11.157	-2.246
12-04	.000	16.239	.000	3.268	20.00	3.74	12.225	1.211	1.656	.000	9.358	3.209
12-05	.000	14.177	.000	2.853	20.00	3.73	10.631	1.054	1.656	.000	7.921	7.407
12-06	.000	12.607	.000	2.537	20.00	3.79	9.622	.954	1.656	.000	7.012	10.785
12-07	.000	11.368	.000	2.288	20.00	3.84	8.794	.871	1.656	.000	6.267	13.530
12-08	.000	10.364	.000	2.086	20.00	3.90	8.141	.807	1.656	.000	5.678	15.791
12-09	.000	9.534	.000	1.919	20.00	3.96	7.607	.754	1.656	.000	5.197	17.672
12-10	.000	8.835	.000	1.778	20.00	4.03	7.166	.710	1.656	.000	4.800	19.251
12-11	.000	8.236	.000	1.657	20.00	4.10	6.790	.673	1.656	.000	4.461	20.585
12-12	.000	7.719	.000	1.553	20.00	4.16	6.467	.641	1.656	.000	4.170	21.719
12-13	.000	7.267	.000	1.462	20.00	4.21	6.157	.610	1.656	.000	3.891	22.681
12-14	.000	6.868	.000	1.382	20.00	4.26	5.882	.583	1.656	.000	3.643	23.500
12-15	.000	6.513	.000	1.311	20.00	4.30	5.640	.559	1.656	.000	3.425	24.200
12-16	.000	6.187	.000	1.245	20.00	4.35	5.413	.536	1.656	.000	3.221	24.798
12-17	.000	5.878	.000	1.183	20.00	4.39	5.198	.515	1.656	.000	3.027	25.309
12-18	.000	5.584	.000	1.124	20.00	4.44	4.992	.494	1.656	.000	2.842	25.745
12-19	.000	5.305	.000	1.068	20.00	4.49	4.794	.475	1.656	.000	2.663	26.117
12-20	.000	5.039	.000	1.014	20.00	4.54	4.600	.456	1.656	.000	2.488	26.433
12-21	.000	4.788	.000	.964	20.00	4.58	4.419	.438	1.656	.000	2.325	26.701
12-22	.000	4.548	.000	.915	20.00	4.58	4.194	.415	1.656	.000	2.123	26.924
S TOT	.000	390.620	.000	78.612	.00	3.22	253.143	25.085	40.020	88.780	99.258	26.924
REM	.000	48.380	.000	9.737	.00	4.58	44.631	4.425	26.496	.000	13.710	27.834
TOTAL	.000	439.000	.000	88.349	.00	3.37	297.774	29.510	66.516	88.780	112.968	27.834
CUM.	.000	188.214										
ULT.	.000	627.214										

		NET OIL REVENUES (M$)	.000		
		NET GAS REVENUES (M$)	297.774		
		TOTAL REVENUES (M$)	297.774		
BTAX RATE OF RETURN (PCT)	19.44	PROJECT LIFE (YEARS)	40.167		
BTAX PAYOUT	09/17/2002	DISCOUNT RATE (PCT)	10.000		
BTAX PAYOUT (DISC)	05/29/2004	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	2.27	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	1.31	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	11/01/98	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	2.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000		

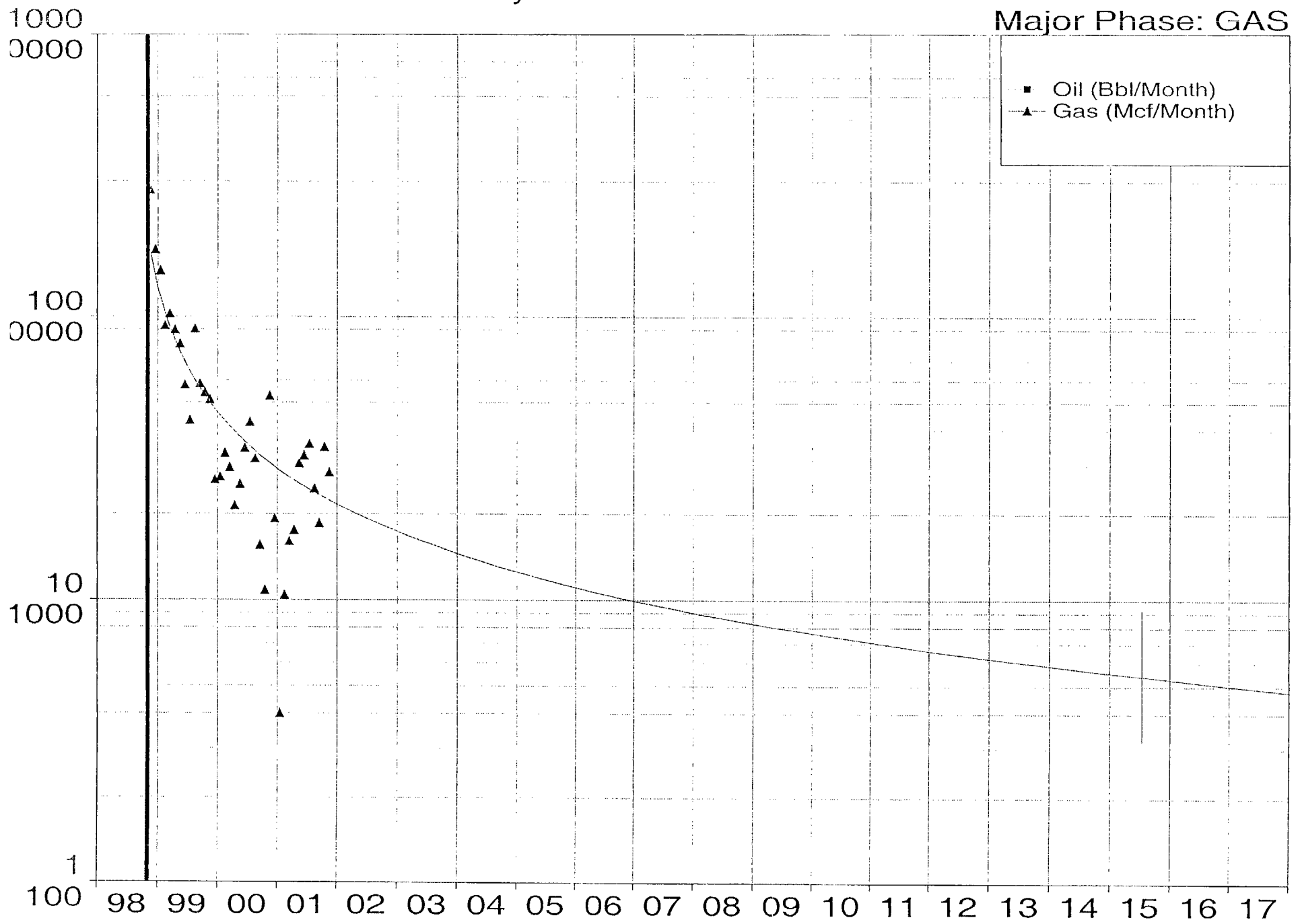
---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	112.968	30.0	-16.261
2.0	85.049	35.0	-21.493
5.0	56.536	40.0	-25.785
8.0	37.412	45.0	-29.387
10.0	27.834	50.0	-32.457
12.0	19.984	60.0	-37.434
15.0	10.530	70.0	-41.314
18.0	3.033	80.0	-44.434
20.0	-1.170	90.0	-47.009
25.0	-9.701	100.0	-49.174

WATER NET REVENUES (M$) .000

Property: 14054
ROSA UNIT #170

Monthly Oil and Gas Production



ROSA UNIT #184
CO AND NM
MESAVERDE
SAR

DATE: 07/23/02
TIME: 07:44:42
FILE: BRC
PROP: 17184
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

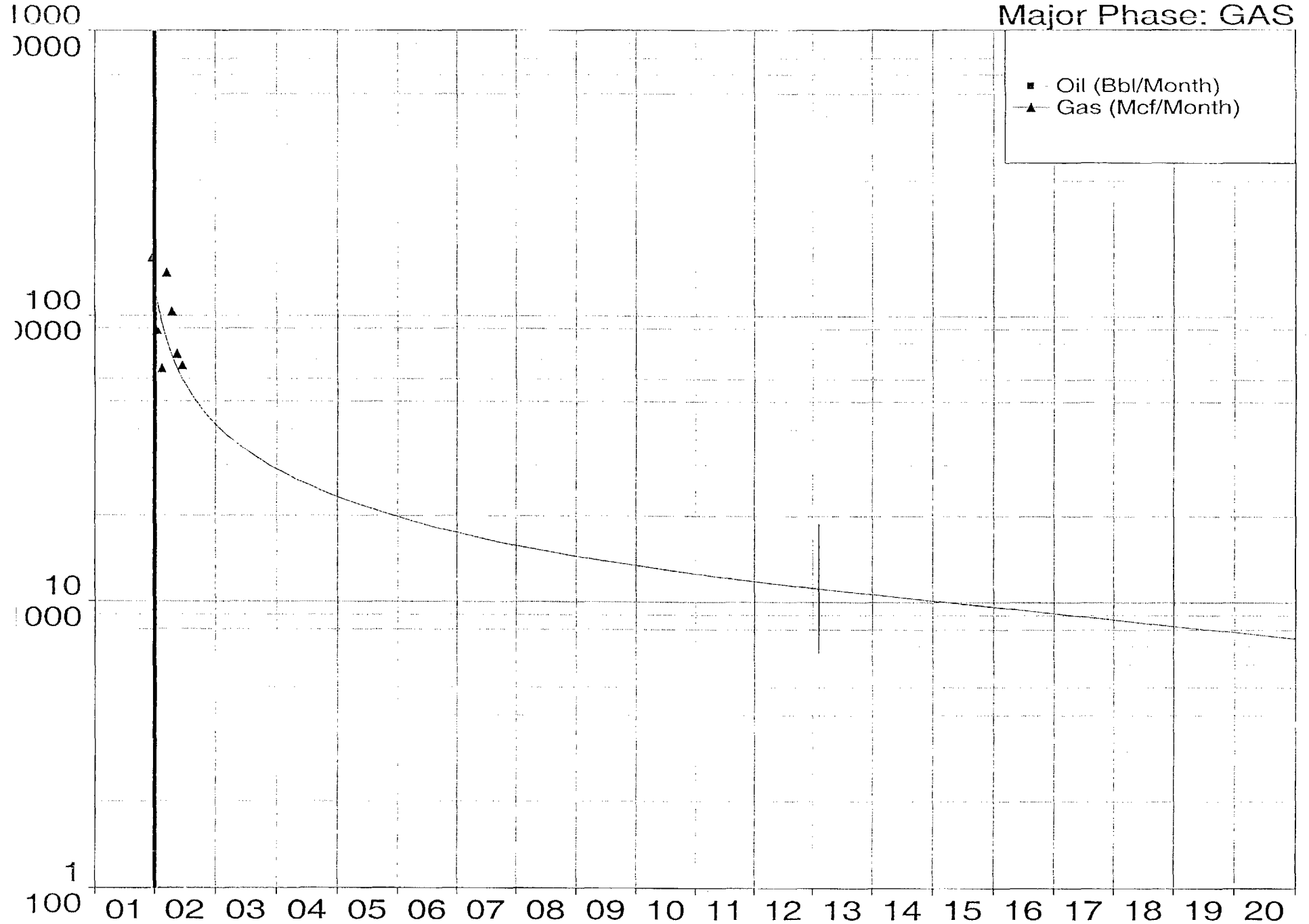
RESERVES AND ECONOMICS

AS OF JANUARY 1, 2002

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-02	.000	77.492	.000	15.595	21.00	3.01	46.906	4.649	1.656	103.500	-62.899	-64.774
12-03	.000	41.083	.000	8.268	21.00	3.37	27.824	2.757	1.656	.000	23.411	-44.474
12-04	.000	31.016	.000	6.242	21.00	3.40	21.227	2.103	1.656	.000	17.468	-30.704
12-05	.000	25.728	.000	5.178	21.00	3.39	17.535	1.738	1.656	.000	14.141	-20.570
12-06	.000	22.353	.000	4.499	21.00	3.45	15.527	1.538	1.656	.000	12.333	-12.535
12-07	.000	19.968	.000	4.019	21.00	3.50	14.069	1.394	1.656	.000	11.019	-6.009
12-08	.000	18.171	.000	3.657	21.00	3.56	13.012	1.289	1.656	.000	10.067	-.589
12-09	.000	16.757	.000	3.372	21.00	3.62	12.199	1.209	1.656	.000	9.334	3.980
12-10	.000	15.608	.000	3.141	21.00	3.68	11.567	1.146	1.656	.000	8.765	7.880
12-11	.000	14.651	.000	2.949	21.00	3.75	11.053	1.096	1.656	.000	8.301	11.238
12-12	.000	13.841	.000	2.786	21.00	3.81	10.622	1.053	1.656	.000	7.913	14.148
12-13	.000	13.134	.000	2.643	21.00	3.86	10.200	1.011	1.656	.000	7.533	16.666
12-14	.000	12.477	.000	2.511	21.00	3.90	9.800	.971	1.656	.000	7.173	18.846
12-15	.000	11.853	.000	2.385	21.00	3.95	9.414	.933	1.656	.000	6.825	20.732
12-16	.000	11.261	.000	2.266	21.00	3.99	9.045	.896	1.656	.000	6.493	22.363
12-17	.000	10.698	.000	2.153	21.00	4.04	8.692	.861	1.656	.000	6.175	23.773
12-18	.000	10.163	.000	2.045	21.00	4.08	8.349	.827	1.656	.000	5.866	24.991
12-19	.000	9.655	.000	1.943	21.00	4.13	8.022	.795	1.656	.000	5.571	26.042
12-20	.000	9.172	.000	1.846	21.00	4.18	7.708	.764	1.656	.000	5.288	26.949
12-21	.000	8.713	.000	1.753	21.00	4.22	7.401	.733	1.656	.000	5.012	27.731
12-22	.000	8.278	.000	1.666	21.00	4.22	7.034	.697	1.656	.000	4.681	28.395
12-23	.000	7.863	.000	1.582	21.00	4.22	6.679	.662	1.656	.000	4.361	28.957
12-24	.000	7.471	.000	1.504	21.00	4.22	6.350	.630	1.656	.000	4.064	29.433
12-25	.000	7.097	.000	1.428	21.00	4.22	6.029	.598	1.656	.000	3.775	29.835
12-26	.000	6.742	.000	1.357	21.00	4.22	5.729	.568	1.656	.000	3.505	30.174
S TOT	.000	431.245	.000	86.788	.00	3.59	311.993	30.918	41.400	103.500	136.175	30.174
REM.	.000	28.980	.000	5.832	.00	4.22	24.622	2.440	8.280	.000	13.902	31.210
TOTAL	.000	460.225	.000	92.620	.00	3.63	336.615	33.358	49.680	103.500	150.077	31.210
CUM.	.000	.000		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			336.615	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	460.225		TOTAL REVENUES (M$)			336.615	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		17.70	PROJECT LIFE (YEARS)				30.000	.0	150.077	30.0	-24.137	
BTAX PAYOUT		08/21/2006	DISCOUNT RATE (PCT)				10.000	2.0	110.695	35.0	-30.129	
BTAX PAYOUT (DISC)		02/17/2009	GROSS OIL WELLS				.000	5.0	70.606	40.0	-34.958	
BTAX NET INCOME/INVEST		2.45	GROSS GAS WELLS				1.000	8.0	44.169	45.0	-38.953	
BTAX NET INCOME/INVEST (DISC)		1.30	GROSS WELLS				1.000	10.0	31.210	50.0	-42.325	
								12.0	20.788	60.0	-47.738	
INITIAL W.I. FRACTION		.230000	INITIAL NET OIL FRACTION				.000000	15.0	8.507	70.0	-51.914	
FINAL W.I. FRACTION		.230000	FINAL NET OIL FRACTION				.000000	18.0	-.958	80.0	-55.261	
PRODUCTION START DATE		1/01/02	INITIAL NET GAS FRACTION				.201250	20.0	-6.157	90.0	-58.014	
MONTHS IN FIRST LINE		12.00	FINAL NET GAS FRACTION				.201250	25.0	-16.456	100.0	-60.326	

Property 17184
ROSA UNIT #184

Monthly Oil and Gas Production



ROSA UNIT #185 MV
PROPNUM 82898-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
SAN JUAN COUNTY ,NM

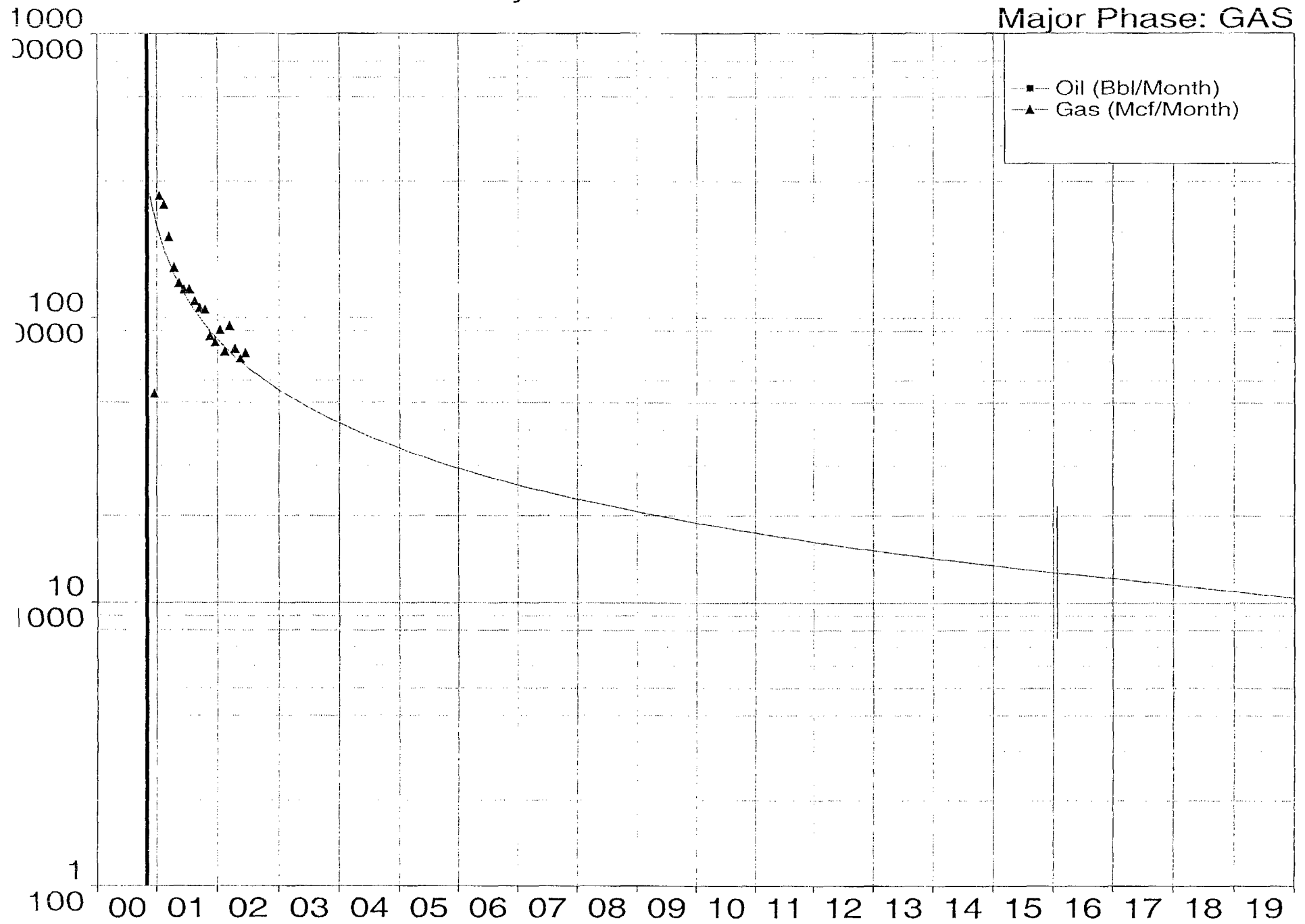
DATE: 07/23/02
TIME: 07:45:11
FILE: BRC
PROP: 14122
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF NOVEMBER 1, 2000

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-00	.000	49.680	.000	12.669	20.00	3.07	38.894	3.854	.413	131.274	-96.647	-96.921
12-01	.000	150.868	.000	38.474	20.00	3.04	116.961	11.590	2.481	.000	102.890	-.329
12-02	.000	80.793	.000	20.604	20.00	2.98	61.359	6.080	2.481	.000	52.798	44.731
12-03	.000	57.674	.000	14.708	20.00	3.33	49.007	4.857	2.481	.000	41.669	77.060
12-04	.000	45.609	.000	11.631	20.00	3.37	39.162	3.881	2.481	.000	32.800	100.195
12-05	.000	38.072	.000	9.709	20.00	3.35	32.554	3.226	2.481	.000	26.847	117.409
12-06	.000	32.868	.000	8.382	20.00	3.42	28.641	2.839	2.481	.000	23.321	131.003
12-07	.000	29.037	.000	7.405	20.00	3.47	25.666	2.544	2.481	.000	20.641	141.941
12-08	.000	26.085	.000	6.652	20.00	3.52	23.435	2.322	2.481	.000	18.632	150.917
12-09	.000	23.734	.000	6.053	20.00	3.58	21.682	2.148	2.481	.000	17.053	158.385
12-10	.000	21.814	.000	5.563	20.00	3.65	20.283	2.010	2.481	.000	15.792	164.672
12-11	.000	20.211	.000	5.154	20.00	3.71	19.126	1.895	2.481	.000	14.750	170.011
12-12	.000	18.853	.000	4.808	20.00	3.78	18.150	1.799	2.481	.000	13.870	174.575
12-13	.000	17.683	.000	4.510	20.00	3.82	17.233	1.708	2.481	.000	13.044	178.477
12-14	.000	16.666	.000	4.250	20.00	3.86	16.422	1.627	2.481	.000	12.314	181.826
12-15	.000	15.773	.000	4.022	20.00	3.91	15.718	1.558	2.481	.000	11.679	184.713
12-16	.000	14.973	.000	3.818	20.00	3.95	15.089	1.495	2.481	.000	11.113	187.211
12-17	.000	14.224	.000	3.627	20.00	4.00	14.497	1.437	2.481	.000	10.579	189.372
12-18	.000	13.514	.000	3.446	20.00	4.04	13.929	1.381	2.481	.000	10.067	191.242
12-19	.000	12.837	.000	3.274	20.00	4.09	13.384	1.327	2.481	.000	9.576	192.859
12-20	.000	12.196	.000	3.110	20.00	4.13	12.857	1.274	2.481	.000	9.102	194.256
12-21	.000	11.586	.000	2.955	20.00	4.18	12.352	1.224	2.481	.000	8.647	195.463
12-22	.000	11.007	.000	2.807	20.00	4.18	11.733	1.163	2.481	.000	8.089	196.489
12-23	.000	10.456	.000	2.666	20.00	4.18	11.144	1.104	2.481	.000	7.559	197.361
12-24	.000	9.934	.000	2.533	20.00	4.18	10.588	1.049	2.481	.000	7.058	198.101
S TOT	.000	756.147	.000	192.830	.00	3.42	659.866	65.392	59.957	131.274	403.243	198.101
REM.	.000	124.577	.000	31.795	.00	4.18	132.900	13.170	52.264	.000	67.466	201.895
TOTAL	.000	880.824	.000	224.625	.00	3.53	792.766	78.562	112.221	131.274	470.709	201.895
CUM.	.000	171.493		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
ULT.	.000	1052.317		NET GAS REVENUES (M$)			792.766	DISC	PW OF NET	DISC	PW OF NET	
				TOTAL REVENUES (M$)			792.766	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		92.74	PROJECT LIFE (YEARS)				45.233	.0	470.709	30.0	82.364	
BTAX PAYOUT		12/09/2001	DISCOUNT RATE (PCT)				10.000	2.0	376.317	35.0	68.668	
BTAX PAYOUT (DISC)		01/03/2002	GROSS OIL WELLS				.000	5.0	286.231	40.0	57.455	
BTAX NET INCOME/INVEST		4.59	GROSS GAS WELLS				1.000	8.0	229.353	45.0	48.055	
BTAX NET INCOME/INVEST (DISC)		2.54	GROSS WELLS				1.000	10.0	201.895	50.0	40.033	
								12.0	179.856	60.0	26.985	
INITIAL W.I. FRACTION		.344550	INITIAL NET OIL FRACTION				.000000	15.0	153.805	70.0	16.761	
FINAL W.I. FRACTION		.344550	FINAL NET OIL FRACTION				.000000	18.0	133.508	80.0	8.475	
PRODUCTION START DATE		11/01/00	INITIAL NET GAS FRACTION				.255020	20.0	122.246	90.0	1.596	
MONTHS IN FIRST LINE		2.00	FINAL NET GAS FRACTION				.255020	25.0	99.608	100.0	-4.229	
WATER GROSS PROD. (MU)		.000	WATER NET PRODUCTION (MU)				.000	WATER NET REVENUES (M$)			.000	

Property 14122
ROSA UNIT #185 MV
Monthly Oil and Gas Production



ROSA UNIT #185A
PROPNUM C1BHI0E8HA
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
SAN JUAN COUNTY ,NM

DATE: 07/23/02
TIME: 07:47:23
FILE: BRC
PROP: 16091
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF NOVEMBER 1, 2000

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-00	.000	40.405	.000	10.304	20.00	3.02	31.159	3.088	.413	129.206	-101.548	-101.767
12-01	.000	137.543	.000	35.076	20.00	2.99	105.032	10.409	2.481	.000	92.142	-15.265
12-02	.000	77.182	.000	19.683	20.00	2.93	57.737	5.721	2.481	.000	49.535	27.010
12-03	.000	55.307	.000	14.104	20.00	3.28	46.290	4.587	2.481	.000	39.222	57.441
12-04	.000	43.633	.000	11.127	20.00	3.32	36.903	3.657	2.481	.000	30.765	79.140
12-05	.000	36.285	.000	9.253	20.00	3.30	30.560	3.028	2.481	.000	25.051	95.203
12-06	.000	31.197	.000	7.956	20.00	3.37	26.778	2.654	2.481	.000	21.643	107.819
12-07	.000	27.448	.000	7.000	20.00	3.41	23.898	2.368	2.481	.000	19.049	117.914
12-08	.000	24.562	.000	6.264	20.00	3.47	21.737	2.154	2.481	.000	17.102	126.153
12-09	.000	22.268	.000	5.679	20.00	3.53	20.037	1.985	2.481	.000	15.571	132.972
12-10	.000	20.394	.000	5.201	20.00	3.59	18.678	1.851	2.481	.000	14.346	138.684
12-11	.000	18.835	.000	4.803	20.00	3.65	17.557	1.740	2.481	.000	13.336	143.511
12-12	.000	17.515	.000	4.467	20.00	3.72	16.610	1.646	2.481	.000	12.483	147.618
12-13	.000	16.381	.000	4.177	20.00	3.76	15.721	1.558	2.481	.000	11.682	151.112
12-14	.000	15.396	.000	3.926	20.00	3.81	14.943	1.481	2.481	.000	10.981	154.098
12-15	.000	14.533	.000	3.706	20.00	3.85	14.266	1.414	2.481	.000	10.371	156.662
12-16	.000	13.769	.000	3.511	20.00	3.89	13.667	1.354	2.481	.000	9.832	158.872
12-17	.000	13.076	.000	3.335	20.00	3.94	13.130	1.301	2.481	.000	9.348	160.782
12-18	.000	12.422	.000	3.168	20.00	3.98	12.613	1.250	2.481	.000	8.882	162.432
12-19	.000	11.801	.000	3.009	20.00	4.03	12.116	1.200	2.481	.000	8.435	163.856
12-20	.000	11.211	.000	2.859	20.00	4.07	11.642	1.154	2.481	.000	8.007	165.085
12-21	.000	10.651	.000	2.716	20.00	4.12	11.183	1.108	2.481	.000	7.594	166.145
12-22	.000	10.118	.000	2.580	20.00	4.12	10.623	1.053	2.481	.000	7.089	167.044
12-23	.000	9.612	.000	2.451	20.00	4.12	10.092	1.000	2.481	.000	6.611	167.806
12-24	.000	9.131	.000	2.329	20.00	4.12	9.589	.950	2.481	.000	6.158	168.452
S TOT	.000	700.675	.000	178.684	.00	3.37	602.561	59.711	59.957	129.206	353.687	168.452
REM.	.000	116.841	.000	29.798	.00	4.12	122.688	12.160	54.131	.000	56.397	171.677
TOTAL	.000	817.516	.000	208.482	.00	3.48	725.249	71.871	114.088	129.206	410.084	171.677
CUM.	.000	175.254										
ULT.	.000	992.770										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	725.249				
TOTAL REVENUES (M$)	725.249				

BTAX RATE OF RETURN (PCT)	72.51	PROJECT LIFE (YEARS)	45.985		
BTAX PAYOUT	03/09/2002	DISCOUNT RATE (PCT)	10.000		
BTAX PAYOUT (DISC)	05/11/2002	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	4.17	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	2.33	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	.344550	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.344550	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	11/01/00	INITIAL NET GAS FRACTION	.255020		
MONTHS IN FIRST LINE	2.00	FINAL NET GAS FRACTION	.255020		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000		

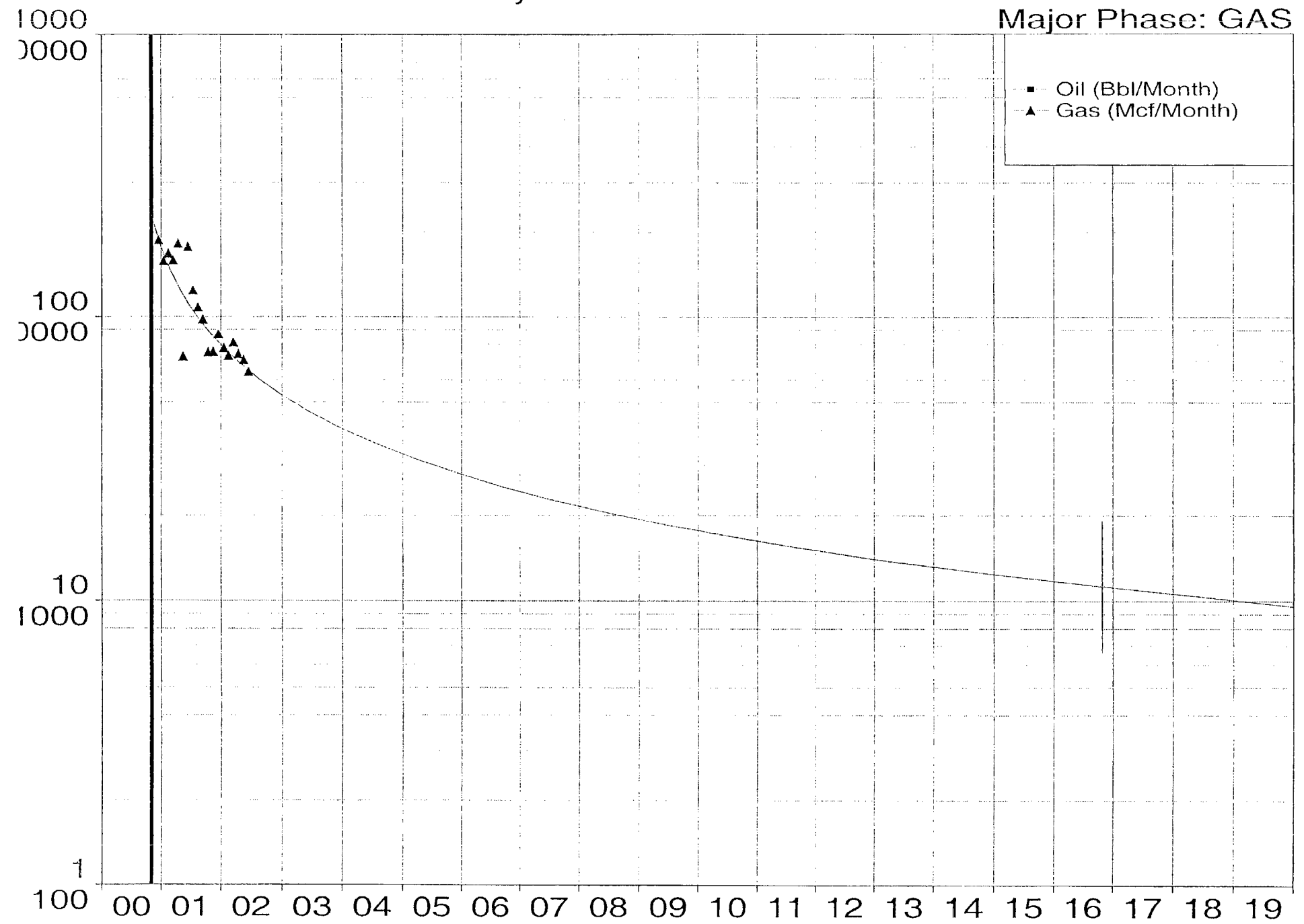
---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	410.084	30.0	62.443
2.0	327.306	35.0	49.818
5.0	247.436	40.0	39.466
8.0	196.463	45.0	30.792
10.0	171.677	50.0	23.385
12.0	151.699	60.0	11.345
15.0	127.982	70.0	1.917
18.0	109.437	80.0	-5.709
20.0	99.116	90.0	-12.040
25.0	78.322	100.0	-17.392

WATER NET REVENUES (M$) .000

Property 16091
ROSA UNIT #185A

Monthly Oil and Gas Production



ROSA UNIT #187
PROPNUM
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:47:37
FILE: BRC
PROP: 17111
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF NOVEMBER 1, 2001

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		~~~~~~~~OPERATIONS, M$~~~~~~~~					10.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-01	.000	34.360	.000	6.915	21.00	3.07	21.232	2.104	.276	103.500	-84.648	-84.797
12-02	.000	99.117	.000	19.947	21.00	3.01	59.996	5.946	1.656	.000	52.394	-35.610
12-03	.000	53.041	.000	10.675	21.00	3.37	35.925	3.560	1.656	.000	30.709	-9.401
12-04	.000	38.301	.000	7.708	21.00	3.40	26.212	2.598	1.656	.000	21.958	7.635
12-05	.000	30.603	.000	6.159	21.00	3.39	20.858	2.067	1.656	.000	17.135	19.721
12-06	.000	25.772	.000	5.187	21.00	3.45	17.901	1.774	1.656	.000	14.471	29.000
12-07	.000	22.419	.000	4.512	21.00	3.50	15.795	1.566	1.656	.000	12.573	36.329
12-08	.000	19.939	.000	4.013	21.00	3.56	14.279	1.415	1.656	.000	11.208	42.268
12-09	.000	18.019	.000	3.626	21.00	3.62	13.118	1.300	1.656	.000	10.162	47.164
12-10	.000	16.482	.000	3.317	21.00	3.68	12.215	1.210	1.656	.000	9.349	51.258
12-11	.000	15.223	.000	3.064	21.00	3.75	11.484	1.139	1.656	.000	8.689	54.717
12-12	.000	14.166	.000	2.851	21.00	3.81	10.870	1.077	1.656	.000	8.137	57.662
12-13	.000	13.268	.000	2.670	21.00	3.86	10.304	1.021	1.656	.000	7.627	60.172
12-14	.000	12.493	.000	2.514	21.00	3.90	9.811	.972	1.656	.000	7.183	62.321
12-15	.000	11.816	.000	2.378	21.00	3.95	9.386	.930	1.656	.000	6.800	64.170
12-16	.000	11.215	.000	2.257	21.00	3.99	9.009	.893	1.656	.000	6.460	65.767
12-17	.000	10.654	.000	2.144	21.00	4.04	8.655	.858	1.656	.000	6.141	67.147
12-18	.000	10.121	.000	2.037	21.00	4.08	8.316	.824	1.656	.000	5.836	68.339
12-19	.000	9.615	.000	1.935	21.00	4.13	7.989	.792	1.656	.000	5.541	69.368
12-20	.000	9.135	.000	1.838	21.00	4.18	7.674	.761	1.656	.000	5.257	70.256
12-21	.000	8.677	.000	1.746	21.00	4.22	7.371	.730	1.656	.000	4.985	71.021
12-22	.000	8.244	.000	1.659	21.00	4.22	7.004	.694	1.656	.000	4.654	71.670
12-23	.000	7.832	.000	1.576	21.00	4.22	6.654	.660	1.656	.000	4.338	72.220
12-24	.000	7.440	.000	1.497	21.00	4.22	6.320	.627	1.656	.000	4.037	72.686
12-25	.000	7.068	.000	1.422	21.00	4.22	6.003	.595	1.656	.000	3.752	73.079
5 TOT	.000	515.020	.000	103.647	.00	3.52	364.381	36.113	40.020	103.500	184.748	73.079
REM.	.000	34.728	.000	6.990	.00	4.22	29.511	2.924	9.660	.000	16.927	74.404
TOTAL	.000	549.748	.000	110.637	.00	3.56	393.892	39.037	49.680	103.500	201.675	74.404
CUM.	.000	46.114										
ULT.	.000	595.862										

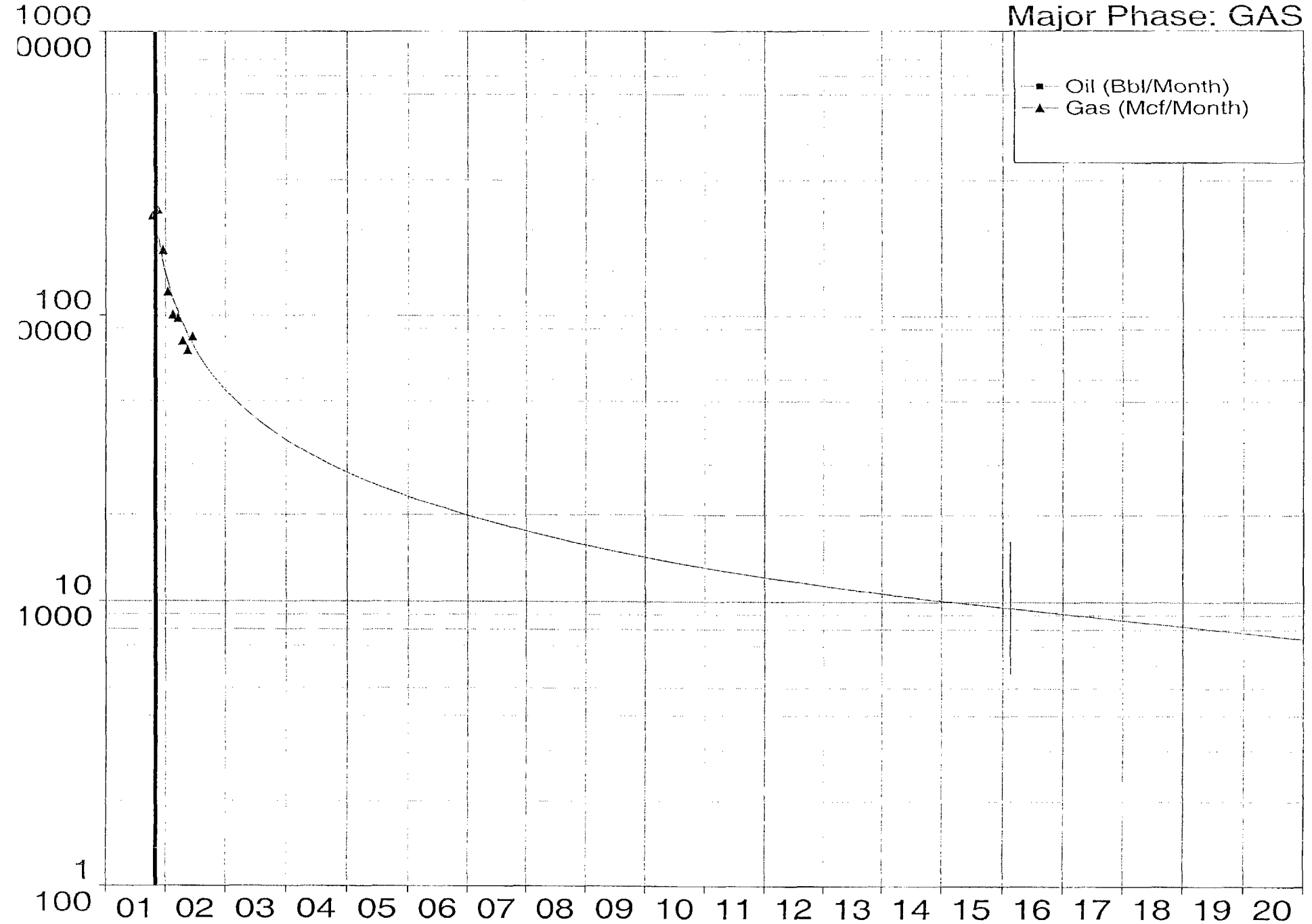
NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	393.892				
TOTAL REVENUES (M$)	393.892				

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	201.675	30.0	10.355
2.0	160.197	35.0	2.964
5.0	117.413	40.0	-3.076
8.0	88.698	45.0	-8.138
10.0	74.404	50.0	-12.454
12.0	62.767	60.0	-19.467
15.0	48.858	70.0	-24.959
18.0	37.949	80.0	-29.405
20.0	31.879	90.0	-33.091
25.0	19.662	100.0	-36.212

BTAX RATE OF RETURN (PCT)	37.45	PROJECT LIFE (YEARS)	30.000
BTAX PAYOUT	01/26/2004	DISCOUNT RATE (PCT)	10.000
BTAX PAYOUT (DISC)	07/20/2004	GROSS OIL WELLS	.000
BTAX NET INCOME/INVEST	2.95	GROSS GAS WELLS	1.000
BTAX NET INCOME/INVEST (DISC)	1.72	GROSS WELLS	1.000
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000
PRODUCTION START DATE	11/01/01	INITIAL NET GAS FRACTION	.201250
MONTHS IN FIRST LINE	2.00	FINAL NET GAS FRACTION	.201250

Property 17111
ROSA UNIT #187
Monthly Oil and Gas Production



ROSA UNIT #188 MV
PROPNUM 82866-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIC ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:47:50
FILE: BRC
PROP: 14093
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

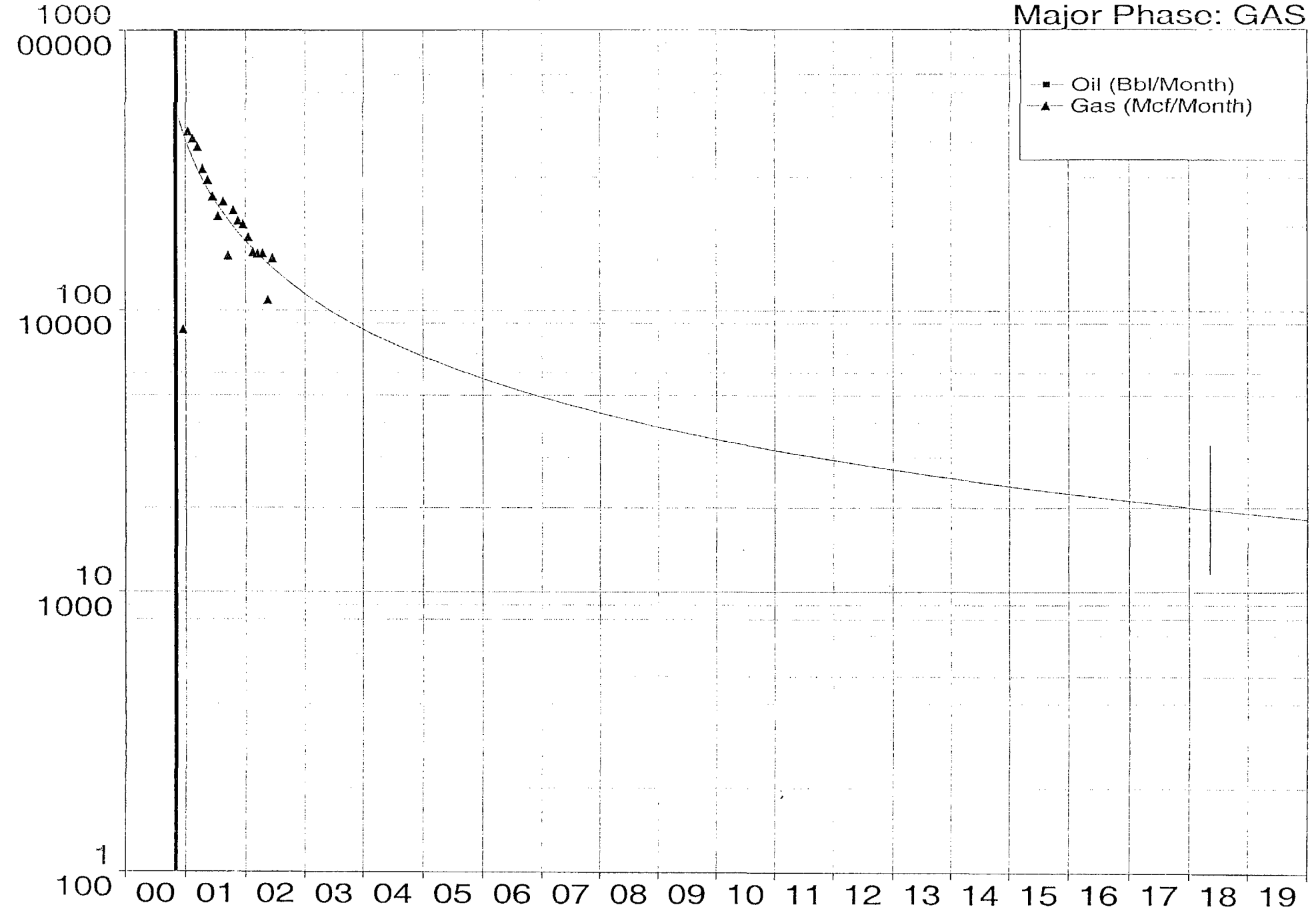
R E S E R V E S A N D E C O N O M I C S

AS OF NOVEMBER 1, 2000

END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					10.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-00	.000	91.965	.000	18.508	20.00	3.07	56.820	5.631	.276	108.330	-57.417	-57.819
12-01	.000	310.622	.000	62.513	20.00	3.04	190.040	18.833	1.656	.000	169.551	101.354
12-02	.000	169.277	.000	34.067	20.00	2.98	101.452	10.054	1.656	.000	89.742	177.944
12-03	.000	118.451	.000	23.838	20.00	3.33	79.428	7.872	1.656	.000	69.900	232.177
12-04	.000	91.724	.000	18.459	20.00	3.37	62.151	6.160	1.656	.000	54.335	270.501
12-05	.000	75.117	.000	15.117	20.00	3.35	50.687	5.023	1.656	.000	44.008	298.719
12-06	.000	63.756	.000	12.831	20.00	3.42	43.844	4.345	1.656	.000	37.843	320.778
12-07	.000	55.473	.000	11.164	20.00	3.47	38.694	3.834	1.656	.000	33.204	338.374
12-08	.000	49.155	.000	9.892	20.00	3.52	34.850	3.454	1.656	.000	29.740	352.701
12-09	.000	44.172	.000	8.890	20.00	3.58	31.844	3.156	1.656	.000	27.032	364.540
12-10	.000	40.138	.000	8.078	20.00	3.65	29.452	2.919	1.656	.000	24.877	374.445
12-11	.000	36.800	.000	7.406	20.00	3.71	27.484	2.724	1.656	.000	23.104	382.807
12-12	.000	33.994	.000	6.841	20.00	3.78	25.825	2.559	1.656	.000	21.610	389.918
12-13	.000	31.599	.000	6.359	20.00	3.82	24.298	2.408	1.656	.000	20.234	395.971
12-14	.000	29.531	.000	5.943	20.00	3.86	22.964	2.276	1.656	.000	19.032	401.146
12-15	.000	27.724	.000	5.579	20.00	3.91	21.803	2.160	1.656	.000	17.987	405.593
12-16	.000	26.135	.000	5.260	20.00	3.95	20.788	2.060	1.656	.000	17.072	409.430
12-17	.000	24.724	.000	4.976	20.00	4.00	19.889	1.971	1.656	.000	16.262	412.752
12-18	.000	23.459	.000	4.721	20.00	4.04	19.082	1.891	1.656	.000	15.535	415.637
12-19	.000	22.286	.000	4.485	20.00	4.09	18.335	1.817	1.656	.000	14.862	418.146
12-20	.000	21.172	.000	4.261	20.00	4.13	17.615	1.745	1.656	.000	14.214	420.328
12-21	.000	20.113	.000	4.048	20.00	4.18	16.921	1.677	1.656	.000	13.588	422.224
12-22	.000	19.108	.000	3.845	20.00	4.18	16.072	1.592	1.656	.000	12.824	423.851
12-23	.000	18.152	.000	3.653	20.00	4.18	15.270	1.513	1.656	.000	12.101	425.247
12-24	.000	17.244	.000	3.470	20.00	4.18	14.505	1.437	1.656	.000	11.412	426.443
S TOT	.000	1461.891	.000	294.204	.00	3.40	1000.113	99.111	40.020	108.330	752.652	426.443
REM.	.000	228.765	.000	46.037	.00	4.18	192.434	19.069	38.678	.000	134.687	433.290
TOTAL	.000	1690.656	.000	340.241	.00	3.50	1192.547	118.180	78.698	108.330	887.339	433.290
CUM.	.000	362.586		NET OIL REVENUES (M$)				.000	---------PRESENT WORTH PROFILE---------			
ULT.	.000	2053.242		NET GAS REVENUES (M$)				1192.547	DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
				TOTAL REVENUES (M$)				1192.547				
BTAX RATE OF RETURN (PCT)		100.00	PROJECT LIFE (YEARS)					47.523	.0	887.339	30.0	239.226
BTAX PAYOUT		05/03/2001	DISCOUNT RATE (PCT)					10.000	2.0	722.998	35.0	216.775
BTAX PAYOUT (DISC)		05/12/2001	GROSS OIL WELLS					.000	5.0	571.372	40.0	198.340
BTAX NET INCOME/INVEST		9.19	GROSS GAS WELLS					1.000	8.0	477.941	45.0	182.853
BTAX NET INCOME/INVEST (DISC)		5.00	GROSS WELLS					1.000	10.0	433.290	50.0	169.608
									12.0	397.572	60.0	148.036
NITIAL W.I. FRACTION		.230000	INITIAL NET OIL FRACTION					.000000	15.0	355.401	70.0	131.098
INAL W.I. FRACTION		.230000	FINAL NET OIL FRACTION					.000000	18.0	322.525	80.0	117.360
RODUCTION START DATE		11/01/00	INITIAL NET GAS FRACTION					.201250	20.0	304.248	90.0	105.947
ONTHS IN FIRST LINE		2.00	FINAL NET GAS FRACTION					.201250	25.0	267.403	100.0	96.280
ATER GROSS PROD. (MU)		.000	WATER NET PRODUCTION (MU)					.000	WATER NET REVENUES (M$)			.000

Property 14093
ROSA UNIT #188 MV

Monthly Oil and Gas Production



ROSA UNIT #188A MV
PROPNUM 82867-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

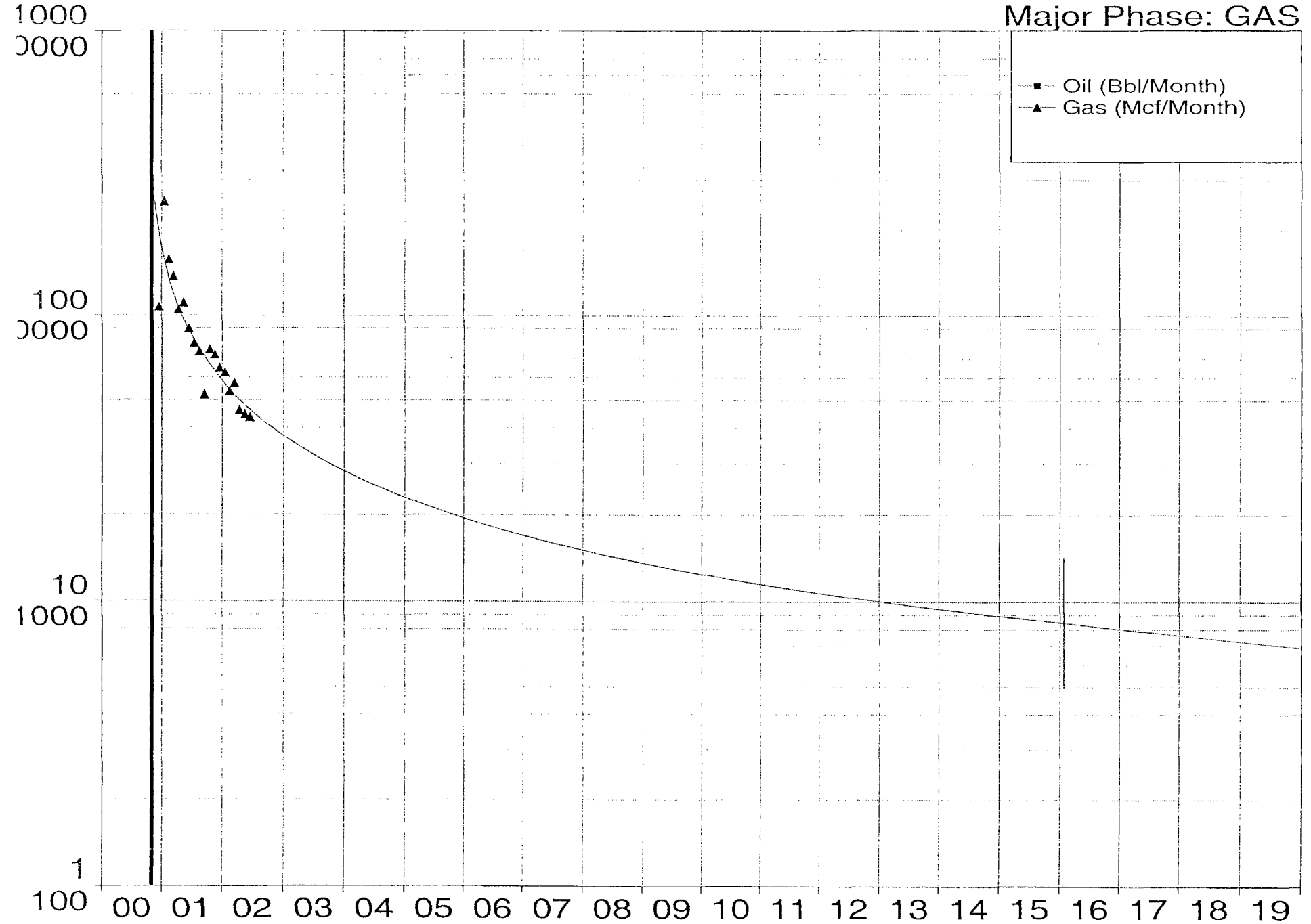
DATE: 07/23/02
TIME: 07:48:04
FILE: BRC
PROP: 14094
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF NOVEMBER 1, 2000

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-00	.000	44.752	.000	9.006	20.00	3.07	27.648	2.740	.276	103.960	-79.328	-79.523
12-01	.000	112.043	.000	22.549	20.00	3.04	68.549	6.793	1.656	.000	60.100	-23.102
12-02	.000	55.376	.000	11.144	20.00	2.98	33.187	3.289	1.656	.000	28.242	1.001
12-03	.000	38.849	.000	7.818	20.00	3.33	26.050	2.582	1.656	.000	21.812	17.924
12-04	.000	30.493	.000	6.137	20.00	3.37	20.663	2.048	1.656	.000	16.959	29.886
12-05	.000	25.351	.000	5.102	20.00	3.35	17.107	1.696	1.656	.000	13.755	38.706
12-06	.000	21.833	.000	4.394	20.00	3.42	15.014	1.488	1.656	.000	11.870	45.625
12-07	.000	19.257	.000	3.875	20.00	3.47	13.431	1.331	1.656	.000	10.444	51.160
12-08	.000	17.282	.000	3.478	20.00	3.52	12.253	1.215	1.656	.000	9.382	55.680
12-09	.000	16.714	.000	3.162	20.00	3.58	11.326	1.122	1.656	.000	8.548	59.424
12-10	.000	14.434	.000	2.905	20.00	3.65	10.592	1.049	1.656	.000	7.887	62.564
12-11	.000	13.369	.000	2.691	20.00	3.71	9.986	.990	1.656	.000	7.340	65.221
12-12	.000	12.467	.000	2.509	20.00	3.78	9.471	.938	1.656	.000	6.877	67.484
12-13	.000	11.692	.000	2.353	20.00	3.82	8.991	.891	1.656	.000	6.444	69.412
12-14	.000	11.018	.000	2.217	20.00	3.86	8.566	.849	1.656	.000	6.061	71.060
12-15	.000	10.427	.000	2.098	20.00	3.91	8.199	.813	1.656	.000	5.730	72.477
12-16	.000	9.898	.000	1.992	20.00	3.95	7.872	.780	1.656	.000	5.436	73.699
12-17	.000	9.403	.000	1.892	20.00	4.00	7.562	.750	1.656	.000	5.156	74.752
12-18	.000	8.932	.000	1.798	20.00	4.04	7.268	.720	1.656	.000	4.892	75.661
12-19	.000	8.487	.000	1.708	20.00	4.09	6.982	.692	1.656	.000	4.634	76.443
12-20	.000	8.061	.000	1.622	20.00	4.13	6.705	.664	1.656	.000	4.385	77.116
12-21	.000	7.659	.000	1.541	20.00	4.18	6.441	.639	1.656	.000	4.146	77.695
12-22	.000	7.276	.000	1.464	20.00	4.18	6.120	.607	1.656	.000	3.857	78.184
12-23	.000	6.912	.000	1.391	20.00	4.18	5.814	.576	1.656	.000	3.582	78.597
12-24	.000	6.567	.000	1.322	20.00	4.18	5.526	.547	1.656	.000	3.323	78.945
S TOT	.000	527.552	.000	106.168	.00	3.40	361.323	35.809	40.020	103.960	181.534	78.945
REM.	.000	82.273	.000	16.556	.00	4.18	69.205	6.858	34.776	.000	27.571	80.597
TOTAL	.000	609.825	.000	122.724	.00	3.51	430.528	42.667	74.796	103.960	209.105	80.597
CUM.	.000	144.314		NET OIL REVENUES (M$)				.000	---------PRESENT WORTH PROFILE---------			
				NET GAS REVENUES (M$)				430.528	DISC	PW OF NET	DISC	PW OF NET
ULT.	.000	754.139		TOTAL REVENUES (M$)				430.528	RATE	BTAX, M$	RATE	BTAX, M$
									----	---------	----	---------
BTAX RATE OF RETURN (PCT)		46.40	PROJECT LIFE (YEARS)					45.167	.0	209.105	30.0	19.354
BTAX PAYOUT		09/06/2002	DISCOUNT RATE (PCT)					10.000	2.0	165.220	35.0	12.143
BTAX PAYOUT (DISC)		12/16/2002	GROSS OIL WELLS					.000	5.0	122.151	40.0	6.204
BTAX NET INCOME/INVEST		3.01	GROSS GAS WELLS					1.000	8.0	94.264	45.0	1.200
BTAX NET INCOME/INVEST (DISC)		1.78	GROSS WELLS					1.000	10.0	80.597	50.0	-3.093
									12.0	69.517	60.0	-10.116
INITIAL W.I. FRACTION		.230000	INITIAL NET OIL FRACTION					.000000	15.0	56.300	70.0	-15.660
FINAL W.I. FRACTION		.230000	FINAL NET OIL FRACTION					.000000	18.0	45.916	80.0	-20.173
PRODUCTION START DATE		11/01/00	INITIAL NET GAS FRACTION					.201250	20.0	40.113	90.0	-23.943
MONTHS IN FIRST LINE		2.00	FINAL NET GAS FRACTION					.201250	25.0	28.373	100.0	-27.153
WATER GROSS PROD. (MU)		.000	WATER NET PRODUCTION (MU)					.000	WATER NET REVENUES (M$)			.000

Property 14094
ROSA UNIT #188A MV
Monthly Oil and Gas Production



ROSA UNIT #31 MV
PROPNUM 82884-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:48:17
FILE: BRC
PROP: 14110
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF SEPTEMBER 1, 2000

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-00	.000	50.831	.000	10.230	20.00	3.07	31.406	3.113	.552	85.560	-57.819	-58.255
12-01	.000	81.431	.000	16.388	20.00	3.04	49.820	4.937	1.656	.000	43.227	-18.313
12-02	.000	48.968	.000	9.855	20.00	2.98	29.348	2.908	1.656	.000	24.784	2.505
12-03	.000	36.298	.000	7.305	20.00	3.33	24.340	2.412	1.656	.000	20.272	17.985
12-04	.000	29.293	.000	5.895	20.00	3.37	19.848	1.967	1.656	.000	16.225	29.249
12-05	.000	24.777	.000	4.986	20.00	3.35	16.718	1.657	1.656	.000	13.405	37.709
12-06	.000	21.594	.000	4.346	20.00	3.42	14.850	1.472	1.656	.000	11.722	44.434
12-07	.000	19.217	.000	3.867	20.00	3.47	13.403	1.328	1.656	.000	10.419	49.868
12-08	.000	17.365	.000	3.495	20.00	3.52	12.313	1.220	1.656	.000	9.437	54.343
12-09	.000	15.877	.000	3.195	20.00	3.58	11.444	1.134	1.656	.000	8.654	58.073
12-10	.000	14.653	.000	2.949	20.00	3.65	10.752	1.066	1.656	.000	8.030	61.220
12-11	.000	13.625	.000	2.742	20.00	3.71	10.176	1.009	1.656	.000	7.511	63.896
12-12	.000	12.748	.000	2.566	20.00	3.78	9.687	.960	1.656	.000	7.071	66.186
12-13	.000	11.992	.000	2.413	20.00	3.82	9.220	.914	1.656	.000	6.650	68.144
12-14	.000	11.330	.000	2.280	20.00	3.86	8.810	.873	1.656	.000	6.281	69.825
12-15	.000	10.747	.000	2.163	20.00	3.91	8.453	.838	1.656	.000	5.959	71.275
12-16	.000	10.208	.000	2.054	20.00	3.95	8.117	.805	1.656	.000	5.656	72.526
12-17	.000	9.698	.000	1.952	20.00	4.00	7.802	.773	1.656	.000	5.373	73.606
12-18	.000	9.213	.000	1.854	20.00	4.04	7.494	.742	1.656	.000	5.096	74.538
12-19	.000	8.752	.000	1.761	20.00	4.09	7.199	.714	1.656	.000	4.829	75.341
12-20	.000	8.315	.000	1.673	20.00	4.13	6.916	.685	1.656	.000	4.575	76.032
12-21	.000	7.899	.000	1.590	20.00	4.18	6.646	.658	1.656	.000	4.332	76.627
12-22	.000	7.504	.000	1.510	20.00	4.18	6.312	.625	1.656	.000	4.031	77.130
12-23	.000	7.129	.000	1.435	20.00	4.18	5.998	.595	1.656	.000	3.747	77.555
12-24	.000	6.772	.000	1.363	20.00	4.18	5.697	.565	1.656	.000	3.476	77.914
S TOT	.000	496.236	.000	99.867	.00	3.43	342.769	33.970	40.296	85.560	182.943	77.914
REM.	.000	83.553	.000	16.814	.00	4.18	70.283	6.964	33.831	.000	29.488	79.636
TOTAL	.000	579.789	.000	116.681	.00	3.54	413.052	40.934	74.127	85.560	212.431	79.636
CUM.	.000	138.398										
ULT.	.000	718.187										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	413.052				
TOTAL REVENUES (M$)	413.052				

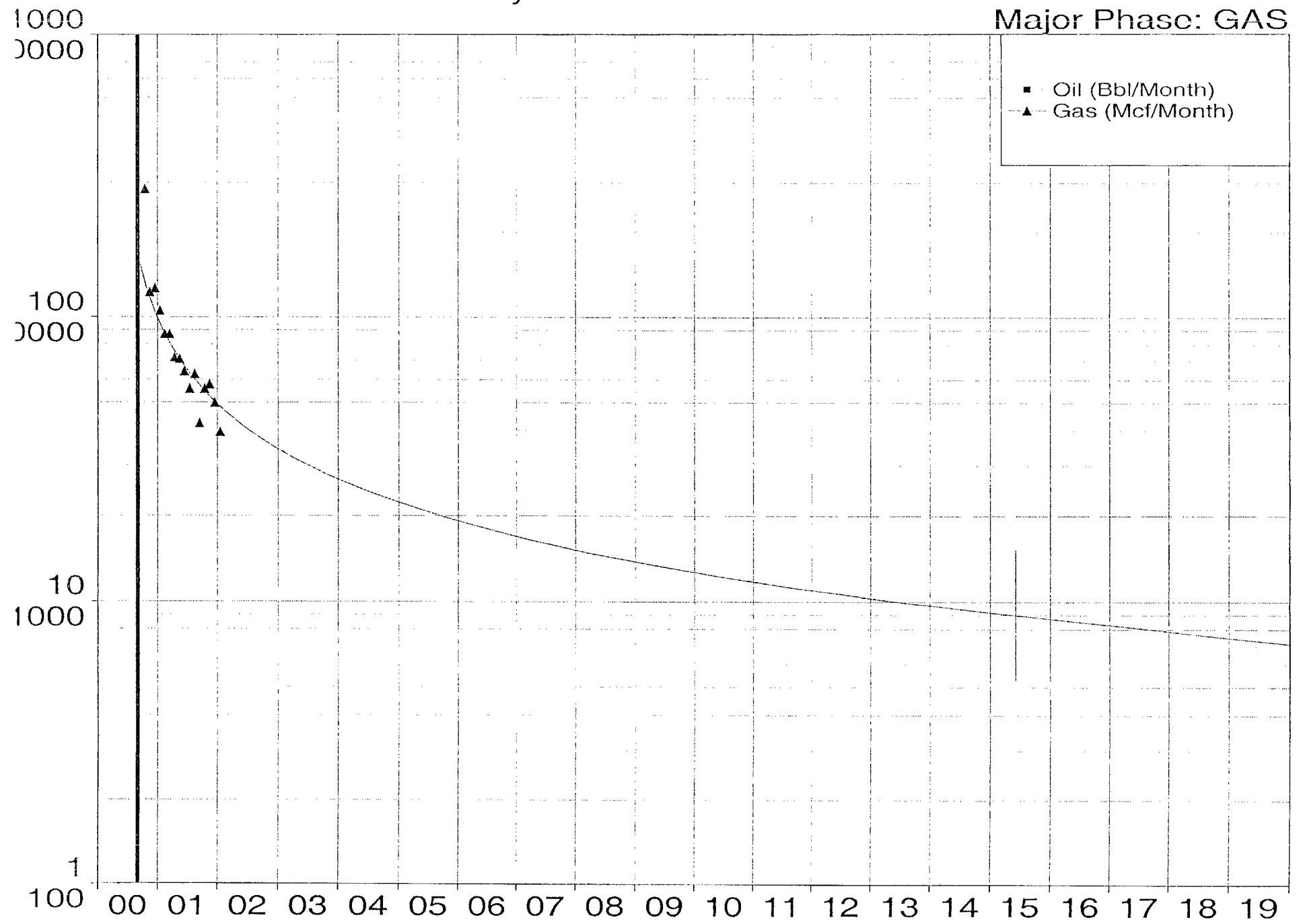
BTAX RATE OF RETURN (PCT)	47.42	PROJECT LIFE (YEARS)	44.763		
BTAX PAYOUT	08/03/2002	DISCOUNT RATE (PCT)	10.000		
BTAX PAYOUT (DISC)	11/18/2002	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	3.48	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	1.93	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	9/01/00	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	4.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000		

---------PRESENT WORTH PROFILE---------			
DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	212.431	30.0	19.168
2.0	166.541	35.0	12.278
5.0	121.989	40.0	6.650
8.0	93.482	45.0	1.939
10.0	79.636	50.0	-2.068
12.0	68.493	60.0	-8.572
15.0	55.297	70.0	-13.652
18.0	45.022	80.0	-17.753
20.0	39.318	90.0	-21.153
25.0	27.868	100.0	-24.024

WATER NET REVENUES (M$) .000

Property 14110
ROSA UNIT #31 MV

Monthly Oil and Gas Production



ROSA UNIT #31A MV
PROPNUM 82875-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:48:31
FILE: BRC
PROP: 14102
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF OCTOBER 1, 2000

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-00	.000	44.103	.000	8.876	20.00	3.07	27.249	2.700	.414	81.880	-57.745	-58.030
12-01	.000	87.402	.000	17.590	20.00	3.04	53.474	5.300	1.656	.000	46.518	-14.705
12-02	.000	47.384	.000	9.536	20.00	2.98	28.398	2.814	1.656	.000	23.928	5.555
12-03	.000	33.488	.000	6.739	20.00	3.33	22.454	2.225	1.656	.000	18.573	19.851
12-04	.000	26.200	.000	5.273	20.00	3.37	17.754	1.760	1.656	.000	14.338	29.884
12-05	.000	21.657	.000	4.358	20.00	3.35	14.612	1.448	1.656	.000	11.508	37.205
12-06	.000	18.535	.000	3.730	20.00	3.42	12.745	1.263	1.656	.000	9.826	42.887
12-07	.000	16.246	.000	3.270	20.00	3.47	11.334	1.123	1.656	.000	8.555	47.385
12-08	.000	14.494	.000	2.917	20.00	3.52	10.277	1.019	1.656	.000	7.602	51.018
12-09	.000	13.103	.000	2.637	20.00	3.58	9.446	.936	1.656	.000	6.854	53.996
12-10	.000	11.973	.000	2.410	20.00	3.65	8.787	.871	1.656	.000	6.260	56.469
12-11	.000	11.035	.000	2.221	20.00	3.71	8.242	.817	1.656	.000	5.769	58.541
12-12	.000	10.241	.000	2.061	20.00	3.78	7.780	.771	1.656	.000	5.353	60.288
12-13	.000	9.562	.000	1.924	20.00	3.82	7.352	.729	1.656	.000	4.967	61.762
12-14	.000	8.973	.000	1.806	20.00	3.86	6.978	.692	1.656	.000	4.630	63.011
12-15	.000	8.457	.000	1.702	20.00	3.91	6.651	.660	1.656	.000	4.335	64.074
12-16	.000	8.002	.000	1.610	20.00	3.95	6.363	.631	1.656	.000	4.076	64.983
12-17	.000	7.594	.000	1.528	20.00	4.00	6.107	.606	1.656	.000	3.845	65.762
12-18	.000	7.214	.000	1.452	20.00	4.04	5.869	.581	1.656	.000	3.632	66.431
12-19	.000	6.854	.000	1.379	20.00	4.09	5.637	.558	1.656	.000	3.423	67.004
12-20	.000	6.511	.000	1.310	20.00	4.13	5.416	.536	1.656	.000	3.224	67.495
12-21	.000	6.185	.000	1.245	20.00	4.18	5.204	.515	1.656	.000	3.033	67.915
12-22	.000	5.876	.000	1.183	20.00	4.18	4.945	.490	1.656	.000	2.799	68.267
12-23	.000	5.582	.000	1.123	20.00	4.18	4.694	.465	1.656	.000	2.573	68.561
12-24	.000	5.304	.000	1.067	20.00	4.18	4.460	.442	1.656	.000	2.362	68.807
S TOT	.000	441.975	.000	88.947	.00	3.40	302.228	29.952	40.158	81.880	150.238	68.807
REM.	.000	58.630	.000	11.798	.00	4.18	49.316	4.888	28.152	.000	16.276	69.852
TOTAL	.000	500.605	.000	100.745	.00	3.49	351.544	34.840	68.310	81.880	166.514	69.852
CUM.	.000	157.289										
ULT.	.000	657.894										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	351.544				
TOTAL REVENUES (M$)	351.544				

BTAX RATE OF RETURN (PCT)	51.38	PROJECT LIFE (YEARS)	41.250		
BTAX PAYOUT	06/20/2002	DISCOUNT RATE (PCT)	10.000		
BTAX PAYOUT (DISC)	09/22/2002	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	3.03	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	1.85	GROSS WELLS	1.000		
INITIAL W.I FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	10/01/00	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	3.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000		

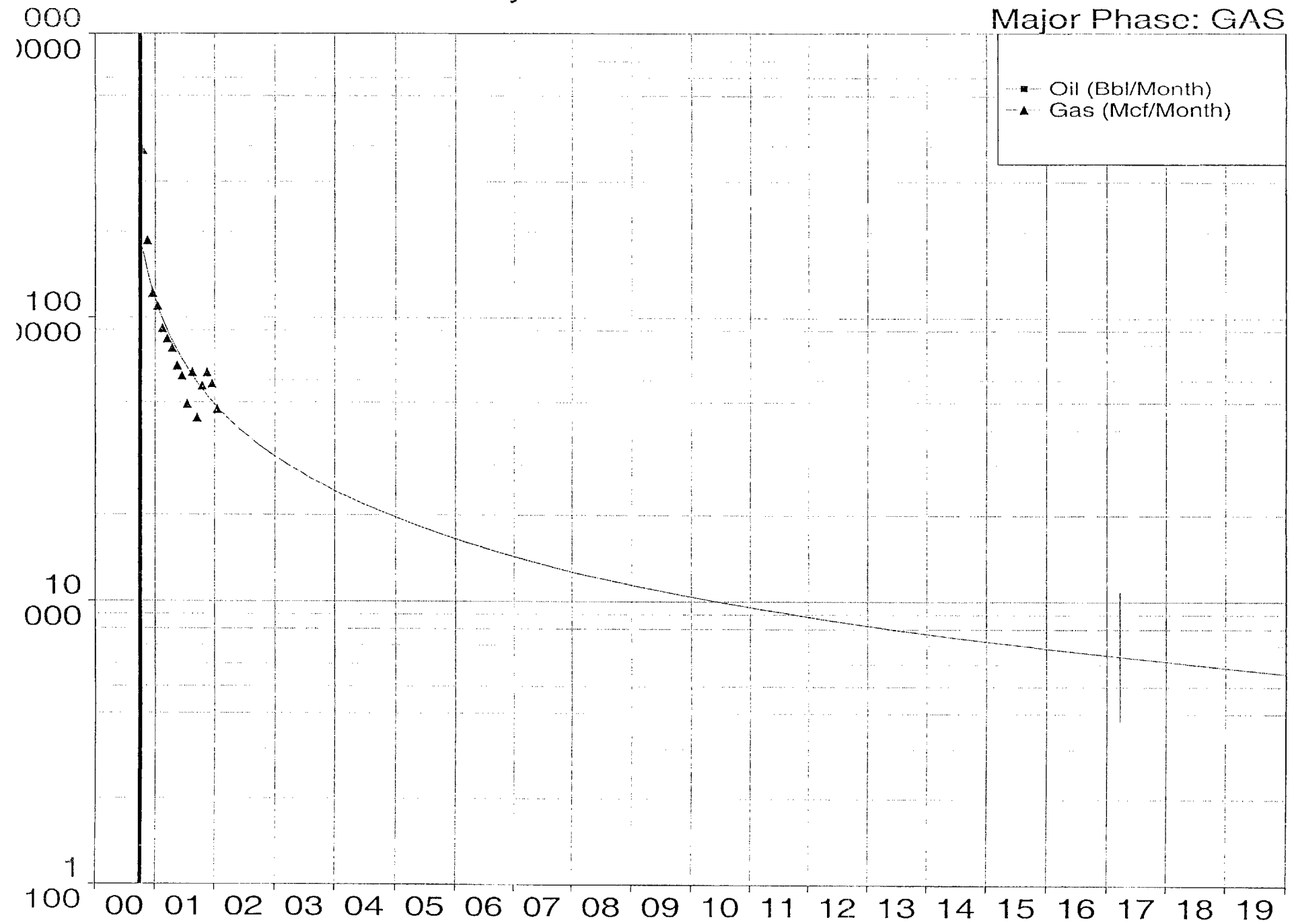
---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	166.514	30.0	19.745
2.0	134.646	35.0	13.687
5.0	102.288	40.0	8.679
8.0	80.665	45.0	4.452
10.0	69.852	50.0	.820
12.0	60.986	60.0	-5.128
15.0	50.293	70.0	-9.830
18.0	41.795	80.0	-13.660
20.0	37.020	90.0	-16.858
25.0	27.280	100.0	-19.575

WATER NET REVENUES (M$) .000

Property 14102
ROSA UNIT #31A MV

Monthly Oil and Gas Production



ROSA UNIT #31B
CO AND NM
MESAVERDE
SAR

DATE: 07/23/02
TIME: 07:48:45
FILE: BRC
PROP: 17105
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

RESERVES AND ECONOMICS

AS OF JANUARY 1, 2002

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-02	.000	133.015	.000	26.769	21.00	3.01	80.515	7.979	1.656	92.000	-21.120	-24.393
12-03	.000	54.943	.000	11.057	21.00	3.37	37.210	3.688	1.656	.000	31.866	3.238
12-04	.000	37.166	.000	7.480	21.00	3.40	25.437	2.520	1.656	.000	21.261	19.998
12-05	.000	28.653	.000	5.766	21.00	3.39	19.527	1.935	1.656	.000	15.936	31.418
12-06	.000	23.556	.000	4.741	21.00	3.45	16.362	1.622	1.656	.000	13.084	39.942
12-07	.000	20.128	.000	4.051	21.00	3.50	14.181	1.405	1.656	.000	11.120	46.528
12-08	.000	17.648	.000	3.552	21.00	3.56	12.639	1.253	1.656	.000	9.730	51.767
12-09	.000	15.762	.000	3.172	21.00	3.62	11.476	1.137	1.656	.000	8.683	56.017
12-10	.000	14.275	.000	2.873	21.00	3.68	10.580	1.048	1.656	.000	7.876	59.522
12-11	.000	13.070	.000	2.630	21.00	3.75	9.858	.977	1.656	.000	7.225	62.445
12-12	.000	12.072	.000	2.429	21.00	3.81	9.261	.917	1.656	.000	6.688	64.904
12-13	.000	11.228	.000	2.260	21.00	3.86	8.722	.864	1.656	.000	6.202	66.977
12-14	.000	10.507	.000	2.115	21.00	3.90	8.254	.818	1.656	.000	5.780	68.734
12-15	.000	9.881	.000	1.989	21.00	3.95	7.851	.778	1.656	.000	5.417	70.231
12-16	.000	9.334	.000	1.878	21.00	3.99	7.496	.743	1.656	.000	5.097	71.511
12-17	.000	8.849	.000	1.781	21.00	4.04	7.190	.712	1.656	.000	4.822	72.612
12-18	.000	8.406	.000	1.692	21.00	4.08	6.907	.685	1.656	.000	4.566	73.560
12-19	.000	7.986	.000	1.607	21.00	4.13	6.635	.657	1.656	.000	4.322	74.376
12-20	.000	7.587	.000	1.527	21.00	4.18	6.376	.632	1.656	.000	4.088	75.077
12-21	.000	7.207	.000	1.450	21.00	4.22	6.122	.607	1.656	.000	3.859	75.679
12-22	.000	6.847	.000	1.378	21.00	4.22	5.818	.577	1.656	.000	3.585	76.187
12-23	.000	6.504	.000	1.309	21.00	4.22	5.526	.547	1.656	.000	3.323	76.615
12-24	.000	6.179	.000	1.244	21.00	4.22	5.252	.521	1.656	.000	3.075	76.975
12-25	.000	5.871	.000	1.182	21.00	4.22	4.990	.494	1.656	.000	2.840	77.278
12-26	.000	5.576	.000	1.122	21.00	4.22	4.737	.469	1.656	.000	2.612	77.531
S TOT	.000	482.250	.000	97.054	.00	3.49	338.922	33.585	41.400	92.000	171.937	77.531
REM.	.000	23.970	.000	4.823	.00	4.22	20.362	2.017	8.280	.000	10.065	78.283
TOTAL	.000	506.220	.000	101.877	.00	3.53	359.284	35.602	49.680	92.000	182.002	78.283
CUM.	.000	.000										
ULT.	.000	506.220										

NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	359.284				
TOTAL REVENUES (M$)	359.284				

---------PRESENT WORTH PROFILE---------

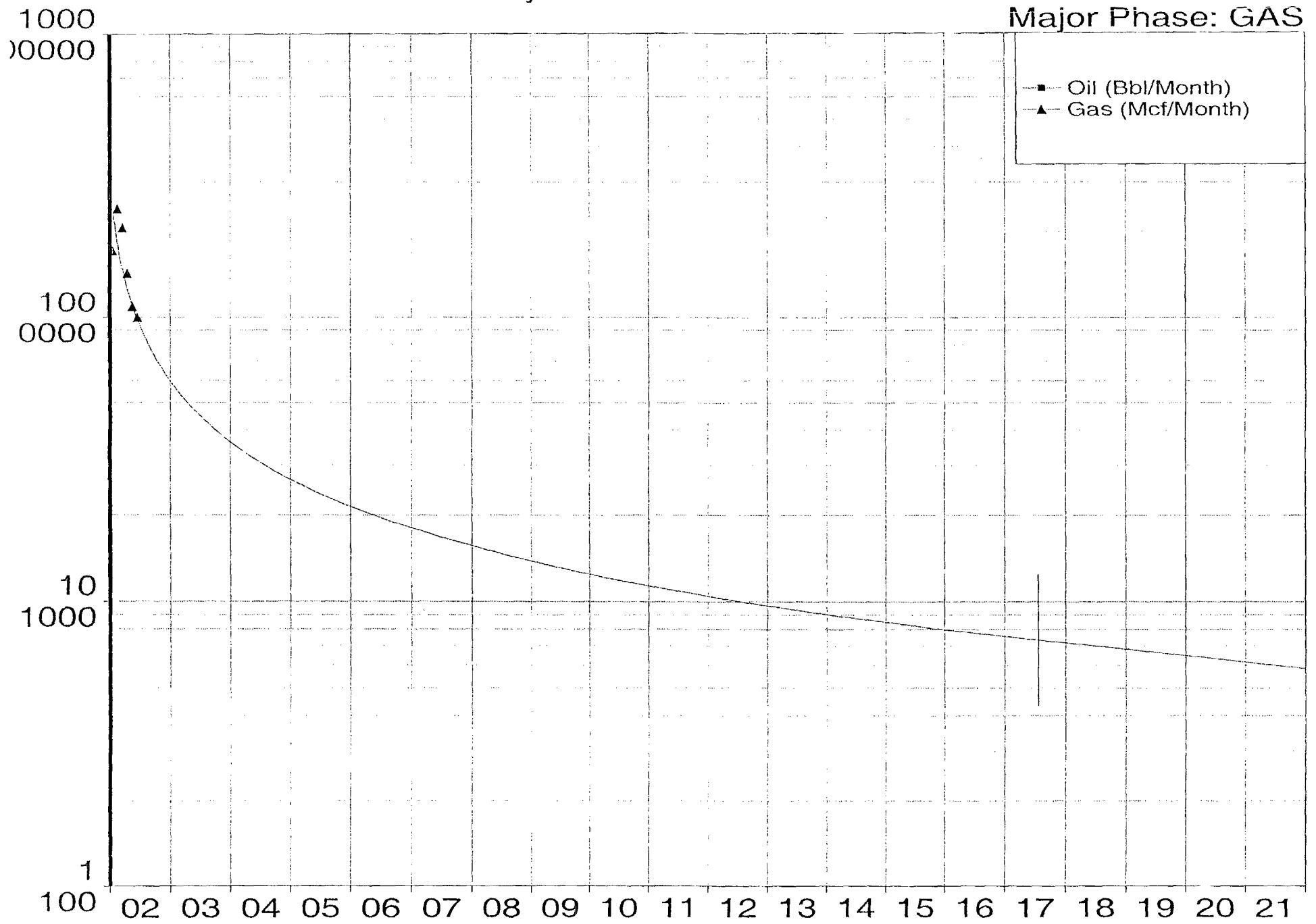
DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	182.002	30.0	21.967
2.0	148.837	35.0	15.120
5.0	114.084	40.0	9.441
8.0	90.305	45.0	4.634
10.0	78.283	50.0	.495
12.0	68.375	60.0	-6.320
15.0	56.378	70.0	-11.733
18.0	46.828	80.0	-16.170
20.0	41.449	90.0	-19.890
25.0	30.475	100.0	-23.067

BTAX RATE OF RETURN (PCT)	50.73
BTAX PAYOUT	08/30/2003
BTAX PAYOUT (DISC)	11/19/2003
BTAX NET INCOME/INVEST	2.98
BTAX NET INCOME/INVEST (DISC)	1.85
INITIAL W.I. FRACTION	.230000
FINAL W.I. FRACTION	.230000
PRODUCTION START DATE	1/01/02
MONTHS IN FIRST LINE	12.00

PROJECT LIFE (YEARS)	30.000
DISCOUNT RATE (PCT)	10.000
GROSS OIL WELLS	.000
GROSS GAS WELLS	1.000
GROSS WELLS	1.000
INITIAL NET OIL FRACTION	.000000
FINAL NET OIL FRACTION	.000000
INITIAL NET GAS FRACTION	.201250
FINAL NET GAS FRACTION	.201250

Property 17105
ROSA UNIT #31B

Monthly Oil and Gas Production



RCSA UNIT #031C
CC AND NM
MESAVERDE
SAR

DATE: 07/23/02
TIME: 07:37:44
FILE: BRC
PROP: 17254
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

RESERVES AND ECONOMICS

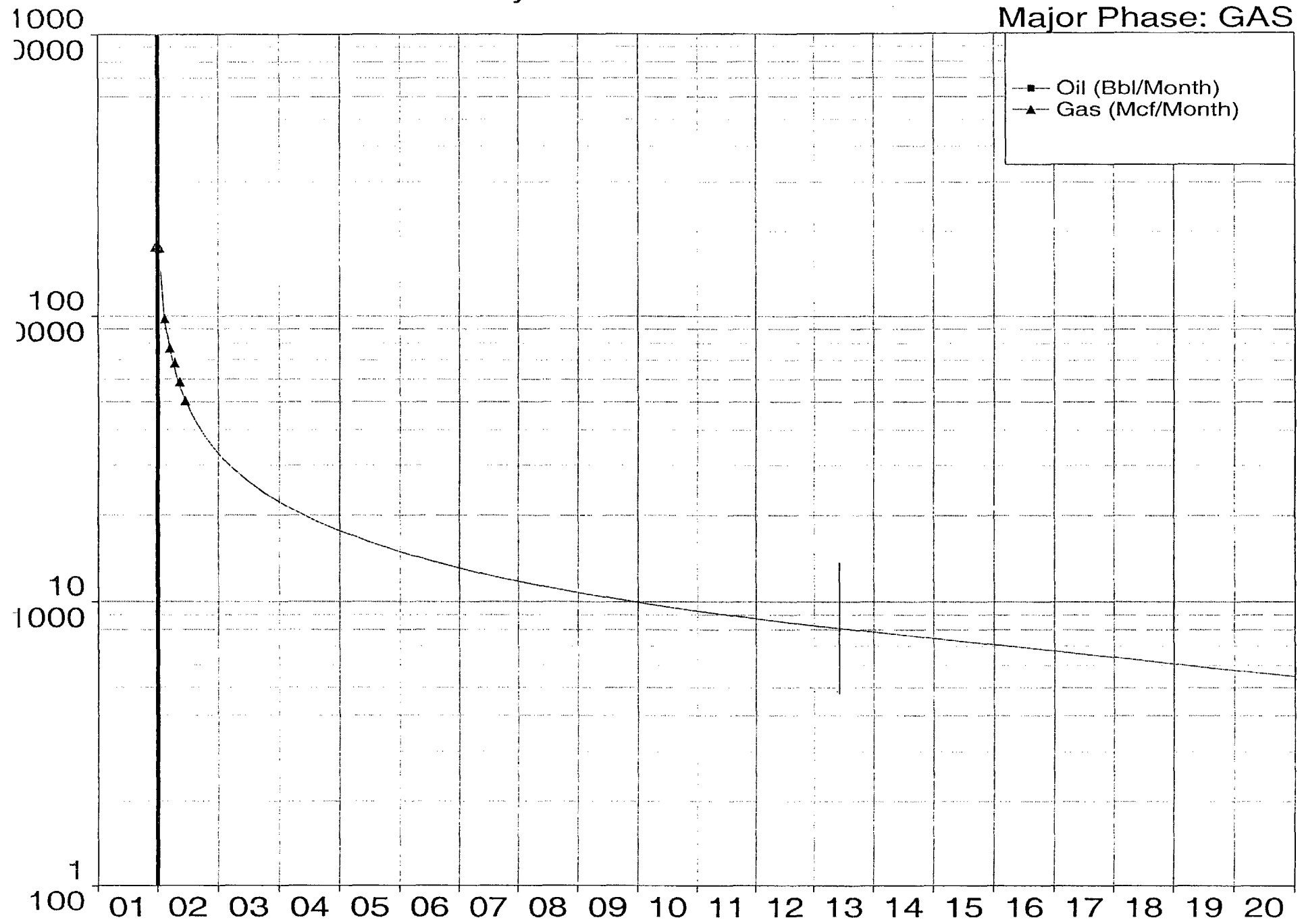
AS OF JANUARY 1, 2002

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					10.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-02	.000	72.091	.000	14.508	21.00	3.01	43.637	4.324	1.656	92.000	-54.343	-56.082
12-03	.000	32.063	.000	6.453	21.00	3.37	21.716	2.152	1.656	.000	17.908	-40.554
12-04	.000	23.666	.000	4.763	21.00	3.40	16.197	1.605	1.656	.000	12.936	-30.357
12-05	.000	19.421	.000	3.908	21.00	3.39	13.235	1.311	1.656	.000	10.268	-22.999
12-06	.000	15.762	.000	3.373	21.00	3.45	11.641	1.154	1.656	.000	8.831	-17.246
12-07	.000	14.903	.000	2.999	21.00	3.50	10.498	1.041	1.656	.000	7.801	-12.626
12-08	.000	13.513	.000	2.719	21.00	3.56	9.675	.959	1.656	.000	7.060	-8.825
12-09	.000	12.427	.000	2.501	21.00	3.62	9.048	.896	1.656	.000	6.496	-5.645
12-10	.000	11.548	.000	2.324	21.00	3.68	8.558	.848	1.656	.000	6.054	-2.951
12-11	.000	10.818	.000	2.177	21.00	3.75	8.160	.808	1.656	.000	5.696	-.647
12-12	.000	10.202	.000	2.053	21.00	3.81	7.828	.776	1.656	.000	5.396	1.337
12-13	.000	9.671	.000	1.946	21.00	3.86	7.510	.744	1.656	.000	5.110	3.045
12-14	.000	9.186	.000	1.849	21.00	3.90	7.216	.715	1.656	.000	4.845	4.517
12-15	.000	8.728	.000	1.757	21.00	3.95	6.935	.687	1.656	.000	4.592	5.786
12-16	.000	8.290	.000	1.668	21.00	3.99	6.658	.660	1.656	.000	4.342	6.877
12-17	.000	7.877	.000	1.585	21.00	4.04	6.399	.634	1.656	.000	4.109	7.815
12-18	.000	7.482	.000	1.506	21.00	4.08	6.148	.609	1.656	.000	3.883	8.621
12-19	.000	7.108	.000	1.430	21.00	4.13	5.904	.585	1.656	.000	3.663	9.312
12-20	.000	6.753	.000	1.359	21.00	4.18	5.674	.563	1.656	.000	3.455	9.905
12-21	.000	6.416	.000	1.291	21.00	4.22	5.450	.541	1.656	.000	3.253	10.412
12-22	.000	6.094	.000	1.226	21.00	4.22	5.176	.513	1.656	.000	3.007	10.838
12-23	.000	5.790	.000	1.165	21.00	4.22	4.918	.488	1.656	.000	2.774	11.196
12-24	.000	5.500	.000	1.107	21.00	4.22	4.674	.464	1.656	.000	2.554	11.495
12-25	.000	5.225	.000	1.052	21.00	4.22	4.441	.440	1.656	.000	2.345	11.745
12-26	.000	4.964	.000	.999	21.00	4.22	4.218	.418	1.656	.000	2.144	11.953
S TOT	.000	336.498	.000	67.718	.00	3.57	241.514	23.935	41.400	92.000	84.179	11.953
REM.	.000	21.337	.000	4.295	.00	4.22	18.132	1.798	8.280	.000	8.054	12.556
TOTAL	.000	357.835	.000	72.013	.00	3.61	259.646	25.733	49.680	92.000	92.233	12.556
CUM.	.000	.000		NET OIL REVENUES (M$)				.000				
				NET GAS REVENUES (M$)				259.646				
ULT.	.000	357.835		TOTAL REVENUES (M$)				259.646				

						PRESENT WORTH PROFILE			
						DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
BTAX RATE OF RETURN (PCT)	13.86	PROJECT LIFE (YEARS)	30.000			.0	92.233	30.0	-26.767
BTAX PAYOUT	07/24/2007	DISCOUNT RATE (PCT)	10.000			2.0	66.245	35.0	-31.201
BTAX PAYOUT (DISC)	04/28/2012	GROSS OIL WELLS	.000			5.0	39.433	40.0	-34.809
BTAX NET INCOME/INVEST	2.00	GROSS GAS WELLS	1.000			8.0	21.469	45.0	-37.813
BTAX NET INCOME/INVEST (DISC)	1.14	GROSS WELLS	1.000			10.0	12.556	50.0	-40.373
						12.0	5.328	60.0	-44.521
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000			15.0	-3.282	70.0	-47.762
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000			18.0	-9.995	80.0	-50.381
PRODUCTION START DATE	1/01/02	INITIAL NET GAS FRACTION	.201250			20.0	-13.710	90.0	-52.554
MONTHS IN FIRST LINE	12.00	FINAL NET GAS FRACTION	.201250			25.0	-21.150	100.0	-54.395

Property 17254
ROSA UNIT #031C

Monthly Oil and Gas Production



ROSA UNIT #032
PROPNUM 82044-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:38:04
FILE: BRC
PROP: 13959
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

RESERVES AND ECONOMICS

AS OF SEPTEMBER 1, 1994

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-94	.000	60.820	.000	30.489	20.00	1.43	43.686	4.330	1.379	246.983	-209.006	-209.603
12-95	.000	127.629	.000	63.980	20.00	.98	62.416	6.185	4.136	.000	52.095	-161.467
12-96	.000	87.314	.000	43.771	20.00	1.46	64.051	6.348	4.136	.000	53.567	-116.471
12-97	.000	67.038	.000	33.606	20.00	2.13	71.716	7.107	4.136	.000	60.473	-70.292
12-98	.000	54.703	.000	27.423	20.00	1.67	45.702	4.529	4.136	.000	37.037	-44.580
12-99	.000	46.361	.000	23.241	20.00	1.87	43.456	4.306	4.136	.000	35.014	-22.483
12-00	.000	40.324	.000	20.214	20.00	3.36	67.992	6.738	4.136	.000	57.118	10.287
12-01	.000	35.739	.000	17.916	20.00	3.33	59.716	5.917	4.136	.000	49.663	36.190
12-02	.000	32.136	.000	16.110	20.00	3.27	52.682	5.220	4.136	.000	43.326	56.733
12-03	.000	29.222	.000	14.649	20.00	3.63	53.174	5.270	4.136	.000	43.768	75.599
12-04	.000	26.817	.000	13.443	20.00	3.67	49.274	4.883	4.136	.000	40.255	91.374
12-05	.000	24.796	.000	12.430	20.00	3.65	45.384	4.498	4.136	.000	36.750	104.466
12-06	.000	23.072	.000	11.566	20.00	3.72	42.982	4.259	4.136	.000	34.587	115.667
12-07	.000	21.583	.000	10.820	20.00	3.77	40.749	4.038	4.136	.000	32.575	125.258
12-08	.000	20.284	.000	10.168	20.00	3.82	38.882	3.853	4.136	.000	30.893	133.526
12-09	.000	19.140	.000	9.595	20.00	3.88	37.266	3.693	4.136	.000	29.437	140.689
12-10	.000	18.125	.000	9.086	20.00	3.95	35.880	3.556	4.136	.000	28.188	146.924
12-11	.000	17.209	.000	8.627	20.00	4.02	34.637	3.432	4.136	.000	27.069	152.367
12-12	.000	16.348	.000	8.195	20.00	4.08	33.436	3.313	4.136	.000	25.987	157.118
12-13	.000	15.531	.000	7.786	20.00	4.13	32.131	3.184	4.136	.000	24.811	161.241
12-14	.000	14.755	.000	7.397	20.00	4.17	30.849	3.057	4.136	.000	23.656	164.815
12-15	.000	14.017	.000	7.027	20.00	4.22	29.620	2.936	4.136	.000	22.548	167.912
12-16	.000	13.316	.000	6.675	20.00	4.26	28.435	2.818	4.136	.000	21.481	170.594
12-17	.000	12.650	.000	6.341	20.00	4.31	27.302	2.705	4.136	.000	20.461	172.917
12-18	.000	12.017	.000	6.024	20.00	4.35	26.213	2.598	4.136	.000	19.479	174.927
S TOT	.000	850.946	.000	426.579	.00	2.57	1097.631	108.773	100.643	246.983	641.232	174.927
REM.	.000	154.539	.000	77.469	.00	4.48	347.169	34.405	91.077	.000	221.687	186.419
TOTAL	.000	1005.485	.000	504.048	.00	2.87	1444.800	143.178	191.720	246.983	862.919	186.419
CUM.	.000	448.015										
ULT.	.000	1453.500										

NET OIL REVENUES (M$)	.000		
NET GAS REVENUES (M$)	1444.800		
TOTAL REVENUES (M$)	1444.800		
BTAX RATE OF RETURN (PCT)	23.33	PROJECT LIFE (YEARS)	46.354
BTAX PAYOUT	02/28/1999	DISCOUNT RATE (PCT)	10.000
BTAX PAYOUT (DISC)	09/08/2000	GROSS OIL WELLS	.000
BTAX NET INCOME/INVEST	4.49	GROSS GAS WELLS	1.000
BTAX NET INCOME/INVEST (DISC)	1.75	GROSS WELLS	1.000
INITIAL W.I. FRACTION	.574380	INITIAL NET OIL FRACTION	.000000
FINAL W.I. FRACTION	.574380	FINAL NET OIL FRACTION	.000000
PRODUCTION START DATE	9/01/94	INITIAL NET GAS FRACTION	.501300
MONTHS IN FIRST LINE	4.00	FINAL NET GAS FRACTION	.501300
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000

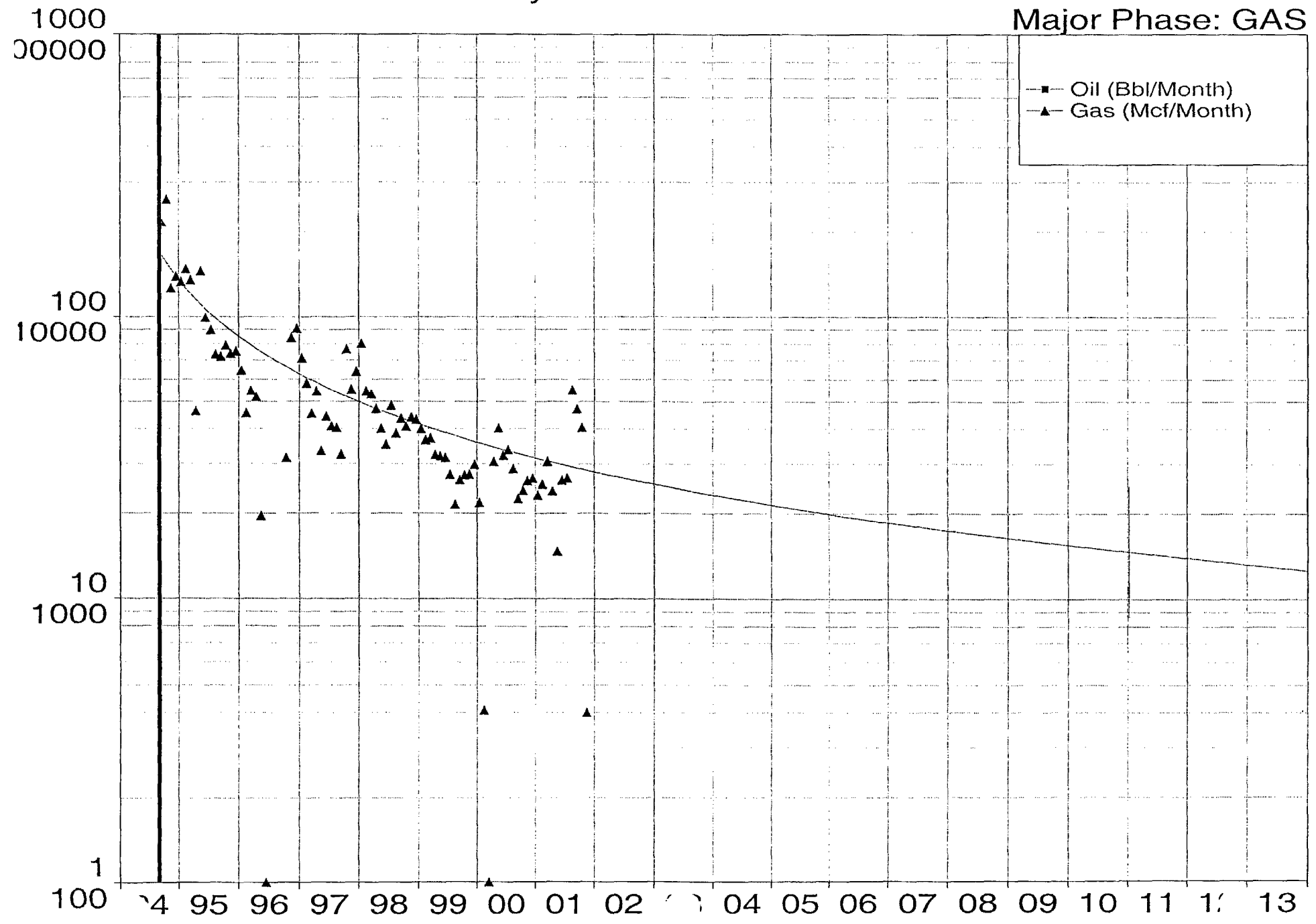
---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	862.919	30.0	-41.552
2.0	608.629	35.0	-62.645
5.0	381.003	40.0	-78.995
8.0	247.385	45.0	-92.032
10.0	186.419	50.0	-102.680
12.0	139.440	60.0	-119.041
15.0	86.447	70.0	-131.046
18.0	47.306	80.0	-140.258
20.0	26.484	90.0	-147.564
25.0	-13.293	100.0	-153.512

WATER NET REVENUES (M$) .000

Property 13959
ROSA UNIT #032

Monthly Oil and Gas Production



ROSA UNIT #032A
PROPNUM 82049-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:38:25
FILE: BRC
PROP: 13963
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

R E S E R V E S A N D E C O N O M I C S

AS OF SEPTEMBER 1, 1994

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-94	.000	66.048	.000	33.110	20.00	1.45	47.946	4.751	1.379	258.471	-216.655	-217.312
12-95	.000	123.907	.000	62.115	20.00	.99	61.240	6.069	4.136	.000	51.035	-170.156
12-96	.000	78.512	.000	39.358	20.00	1.48	58.206	5.769	4.136	.000	48.301	-129.583
12-97	.000	58.318	.000	29.235	20.00	2.16	63.051	6.249	4.136	.000	52.666	-89.365
12-98	.000	46.717	.000	23.419	20.00	1.68	39.444	3.909	4.136	.000	31.399	-67.567
12-99	.000	39.131	.000	19.616	20.00	1.89	37.068	3.673	4.136	.000	29.259	-49.102
12-00	.000	33.762	.000	16.925	20.00	3.40	57.534	5.702	4.136	.000	47.696	-21.737
12-01	.000	29.750	.000	14.914	20.00	3.37	50.239	4.979	4.136	.000	41.124	-.288
12-02	.000	26.631	.000	13.350	20.00	3.30	44.120	4.372	4.136	.000	35.612	16.598
12-03	.000	24.134	.000	12.098	20.00	3.67	44.381	4.398	4.136	.000	35.847	32.050
12-04	.000	22.088	.000	11.073	20.00	3.70	41.019	4.065	4.136	.000	32.818	44.910
12-05	.000	20.376	.000	10.214	20.00	3.69	37.690	3.735	4.136	.000	29.819	55.533
12-06	.000	18.926	.000	9.488	20.00	3.76	35.634	3.531	4.136	.000	27.967	64.590
12-07	.000	17.676	.000	8.861	20.00	3.81	33.726	3.342	4.136	.000	26.248	72.318
12-08	.000	16.592	.000	8.318	20.00	3.86	32.146	3.186	4.136	.000	24.824	78.962
12-09	.000	15.638	.000	7.839	20.00	3.93	30.770	3.049	4.136	.000	23.585	84.701
12-10	.000	14.794	.000	7.416	20.00	3.99	29.597	2.933	4.136	.000	22.528	89.684
12-11	.000	14.039	.000	7.038	20.00	4.06	28.558	2.830	4.136	.000	21.592	94.026
12-12	.000	13.337	.000	6.686	20.00	4.12	27.569	2.732	4.136	.000	20.701	97.810
12-13	.000	12.671	.000	6.352	20.00	4.17	26.492	2.625	4.136	.000	19.731	101.089
12-14	.000	12.037	.000	6.034	20.00	4.21	25.432	2.520	4.136	.000	18.776	103.926
12-15	.000	11.435	.000	5.732	20.00	4.26	24.418	2.420	4.136	.000	17.862	106.379
12-16	.000	10.864	.000	5.446	20.00	4.31	23.446	2.323	4.136	.000	16.987	108.500
12-17	.000	10.320	.000	5.173	20.00	4.35	22.510	2.231	4.136	.000	16.143	110.332
12-18	.000	9.805	.000	4.915	20.00	4.40	21.614	2.142	4.136	.000	15.336	111.915
S TOT	.000	747.508	.000	374.725	.00	2.52	943.850	93.535	100.643	258.471	491.201	111.915
REM.	.000	126.936	.000	63.633	.00	4.53	288.200	28.561	92.213	.000	167.426	120.738
TOTAL	.000	874.444	.000	438.358	.00	2.81	1232.050	122.096	192.856	258.471	658.627	120.738
CUM.	.000	439.368										
ULT.	.000	1313.812										

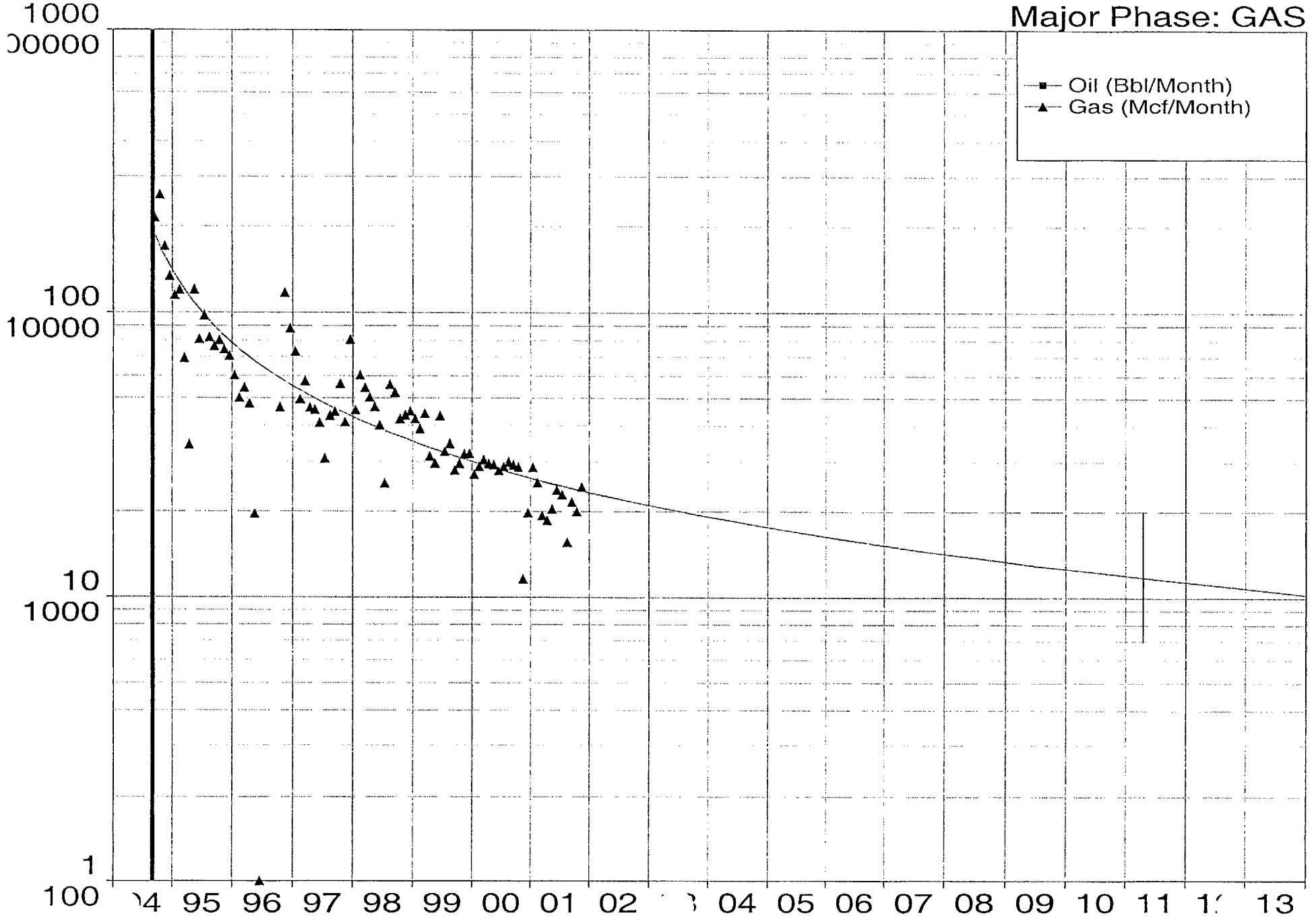
		NET OIL REVENUES (M$)	.000		
		NET GAS REVENUES (M$)	1232.050		
		TOTAL REVENUES (M$)	1232.050		
BTAX RATE OF RETURN (PCT)	18.73	PROJECT LIFE (YEARS)	46.628		
BTAX PAYOUT	01/31/2000	DISCOUNT RATE (PCT)	10.000		
BTAX PAYOUT (DISC)	01/07/2002	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	3.55	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	1.47	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	.574380	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.574380	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	9/01/94	INITIAL NET GAS FRACTION	.501300		
MONTHS IN FIRST LINE	4.00	FINAL NET GAS FRACTION	.501300		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000

---------PRESENT WORTH PROFILE---------

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	658.627	30.0	-68.251
2.0	458.824	35.0	-86.221
5.0	277.853	40.0	-100.234
8.0	170.267	45.0	-111.482
10.0	120.738	50.0	-120.719
12.0	82.342	60.0	-135.025
15.0	38.745	70.0	-145.620
18.0	6.312	80.0	-153.814
20.0	-11.026	90.0	-160.361
25.0	-44.369	100.0	-165.727

Property 13963
ROSA UNIT #032A

Monthly Oil and Gas Production



ROSA UNIT #32B
CO AND NM
MESAVERDE
SAR

DATE: 07/23/02
TIME: 07:48:59
FILE: BRC
PROP: 17001
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

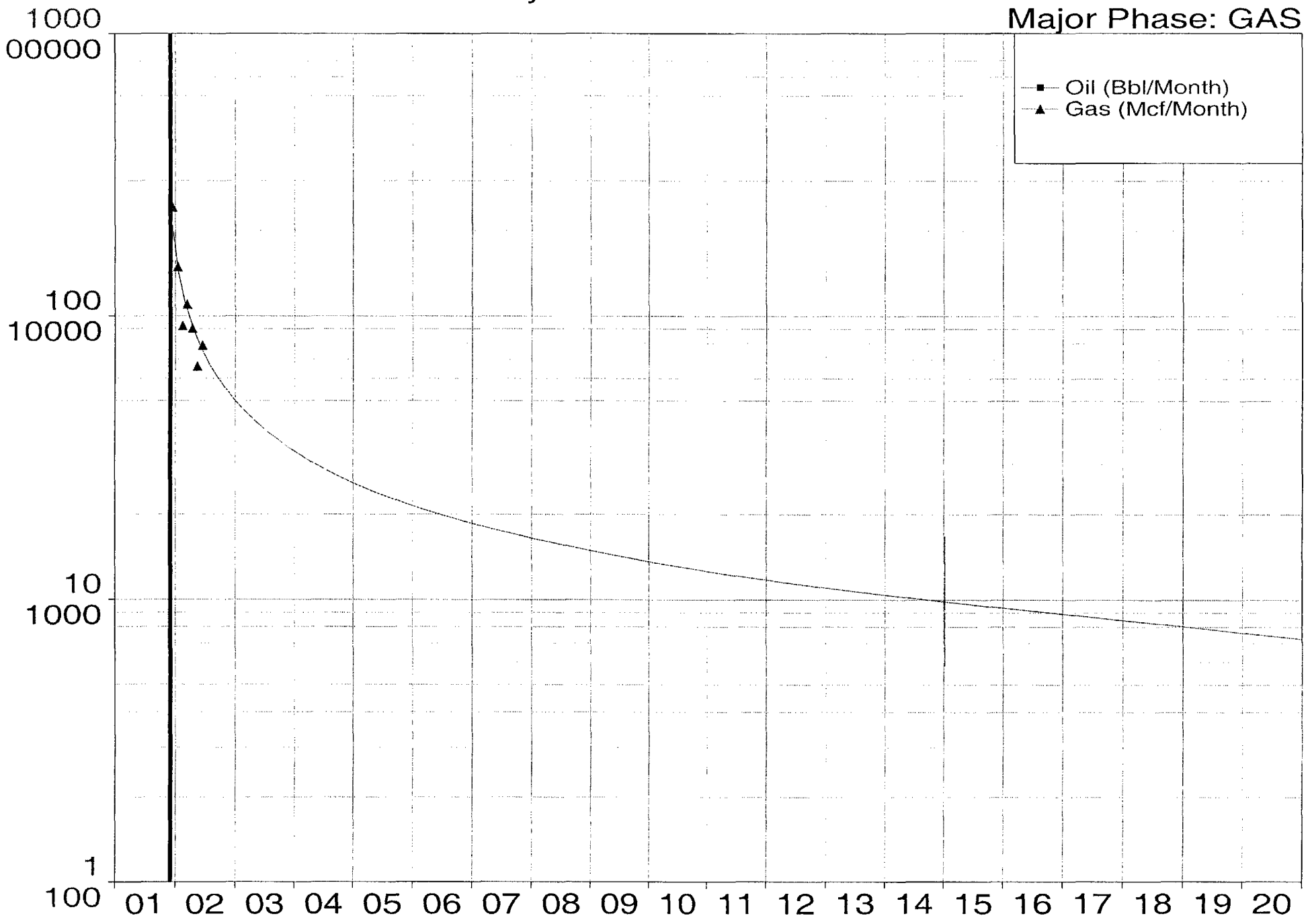
RESERVES AND ECONOMICS

AS OF DECEMBER 1, 2001

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					10.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-01	.000	19.691	.000	2.061	21.00	3.07	6.328	.628	.076	48.310	-42.686	-42.708
12-02	.000	97.830	.000	10.238	21.00	3.01	30.794	3.051	.915	.000	26.828	-17.321
12-03	.000	48.326	.000	5.057	21.00	3.37	17.018	1.687	.915	.000	14.416	-4.920
12-04	.000	34.977	.000	3.660	21.00	3.40	12.446	1.233	.915	.000	10.298	3.134
12-05	.000	28.170	.000	2.948	21.00	3.39	9.983	.989	.915	.000	8.079	8.878
12-06	.000	23.924	.000	2.504	21.00	3.45	8.642	.857	.915	.000	6.870	13.318
12-07	.000	20.979	.000	2.195	21.00	3.50	7.684	.762	.915	.000	6.007	16.847
12-08	.000	18.795	.000	1.967	21.00	3.56	6.999	.694	.915	.000	5.390	19.726
12-09	.000	17.100	.000	1.789	21.00	3.62	6.472	.641	.915	.000	4.916	22.113
12-10	.000	15.739	.000	1.647	21.00	3.68	6.065	.601	.915	.000	4.549	24.121
12-11	.000	14.619	.000	1.530	21.00	3.75	5.735	.568	.915	.000	4.252	25.827
12-12	.000	13.676	.000	1.431	21.00	3.81	5.456	.541	.915	.000	4.000	27.286
12-13	.000	12.873	.000	1.347	21.00	3.86	5.198	.515	.915	.000	3.768	28.536
12-14	.000	12.175	.000	1.274	21.00	3.90	4.972	.492	.915	.000	3.565	29.611
12-15	.000	11.559	.000	1.210	21.00	3.95	4.776	.473	.915	.000	3.388	30.540
12-16	.000	10.981	.000	1.149	21.00	3.99	4.586	.455	.915	.000	3.216	31.341
12-17	.000	10.431	.000	1.092	21.00	4.04	4.408	.437	.915	.000	3.056	32.033
12-18	.000	9.910	.000	1.037	21.00	4.08	4.233	.420	.915	.000	2.898	32.630
12-19	.000	9.415	.000	.985	21.00	4.13	4.067	.403	.915	.000	2.749	33.145
12-20	.000	8.944	.000	.936	21.00	4.18	3.908	.388	.915	.000	2.605	33.588
12-21	.000	8.496	.000	.889	21.00	4.22	3.753	.372	.915	.000	2.466	33.970
12-22	.000	8.072	.000	.845	21.00	4.22	3.567	.353	.915	.000	2.299	34.293
12-23	.000	7.668	.000	.802	21.00	4.22	3.386	.336	.915	.000	2.135	34.566
12-24	.000	7.285	.000	.762	21.00	4.22	3.217	.319	.915	.000	1.983	34.797
12-25	.000	6.921	.000	.724	21.00	4.22	3.057	.303	.915	.000	1.839	34.991
S TOT	.000	478.556	.000	50.079	.00	3.53	176.750	17.518	22.036	48.310	88.886	34.991
REM.	.000	34.419	.000	3.602	.00	4.22	15.207	1.507	5.414	.000	8.286	35.644
TOTAL	.000	512.975	.000	53.681	.00	3.58	191.957	19.025	27.450	48.310	97.172	35.644
CUM.	.000	.000		NET OIL REVENUES (M$)				.000	---------PRESENT WORTH PROFILE---------			
				NET GAS REVENUES (M$)				191.957	DISC	PW OF NET	DISC	PW OF NET
ULT.	.000	512.975		TOTAL REVENUES (M$)				191.957	RATE	BTAX, M$	RATE	BTAX, M$
									----	---------	----	---------
BTAX RATE OF RETURN (PCT)		37.90	PROJECT LIFE (YEARS)					30.000	.0	97.172	30.0	5.127
BTAX PAYOUT		02/21/2004	DISCOUNT RATE (PCT)					10.000	2.0	77.065	35.0	1.650
BTAX PAYOUT (DISC)		08/11/2004	GROSS OIL WELLS					.000	5.0	56.368	40.0	-1.192
BTAX NET INCOME/INVEST		3.01	GROSS GAS WELLS					1.000	8.0	42.517	45.0	-3.566
BTAX NET INCOME/INVEST (DISC)		1.74	GROSS WELLS					1.000	10.0	35.644	50.0	-5.586
									12.0	30.057	60.0	-8.874
INITIAL W.I. FRACTION		.127133	INITIAL NET OIL FRACTION					.000000	15.0	23.407	70.0	-11.440
FINAL W.I. FRACTION		.127133	FINAL NET OIL FRACTION					.000000	18.0	18.206	80.0	-13.522
PRODUCTION START DATE		12/01/01	INITIAL NET GAS FRACTION					.104647	20.0	15.320	90.0	-15.244
MONTHS IN FIRST LINE		1.00	FINAL NET GAS FRACTION					.104647	25.0	9.524	100.0	-16.704

Property 17001
ROSA UNIT #32B

Monthly Oil and Gas Production



ROSA UNIT #6Y MV
PROPNUM 82863-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:49:14
FILE: BRC
PROP: 14091
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

RESERVES AND ECONOMICS

AS OF DECEMBER 1, 2000

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					10.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-00	.000	11.160	.000	2.246	20.00	3.19	7.168	.710	.138	90.620	-84.300	-84.325
12-01	.000	67.549	.000	13.594	20.00	3.16	42.958	4.257	1.656	.000	37.045	-49.270
12-02	.000	39.144	.000	7.878	20.00	3.10	24.387	2.417	1.656	.000	20.314	-31.795
12-03	.000	30.306	.000	6.099	20.00	3.46	21.125	2.093	1.656	.000	17.376	-18.206
12-04	.000	25.519	.000	5.136	20.00	3.50	17.976	1.782	1.656	.000	14.538	-7.870
12-05	.000	22.410	.000	4.510	20.00	3.49	15.719	1.558	1.656	.000	12.505	.212
12-06	.000	20.184	.000	4.062	20.00	3.55	14.428	1.430	1.656	.000	11.342	6.876
12-07	.000	18.491	.000	3.721	20.00	3.60	13.406	1.329	1.656	.000	10.421	12.442
12-08	.000	17.150	.000	3.451	20.00	3.66	12.638	1.252	1.656	.000	9.730	17.167
12-09	.000	16.053	.000	3.231	20.00	3.72	12.031	1.192	1.656	.000	9.183	21.221
12-10	.000	15.134	.000	3.046	20.00	3.79	11.544	1.144	1.656	.000	8.744	24.730
12-11	.000	14.349	.000	2.888	20.00	3.86	11.141	1.104	1.656	.000	8.381	27.788
12-12	.000	13.631	.000	2.743	20.00	3.92	10.764	1.067	1.656	.000	8.041	30.455
12-13	.000	12.949	.000	2.606	20.00	3.97	10.351	1.026	1.656	.000	7.669	32.767
12-14	.000	12.302	.000	2.476	20.00	4.02	9.945	.986	1.656	.000	7.303	34.769
12-15	.000	11.687	.000	2.352	20.00	4.06	9.555	.947	1.656	.000	6.952	36.501
12-16	.000	11.102	.000	2.234	20.00	4.11	9.178	.910	1.656	.000	6.612	37.999
12-17	.000	10.548	.000	2.123	20.00	4.15	8.821	.874	1.656	.000	6.291	39.295
12-18	.000	10.020	.000	2.017	20.00	4.20	8.475	.840	1.656	.000	5.979	40.414
12-19	.000	9.518	.000	1.915	20.00	4.25	8.138	.806	1.656	.000	5.676	41.380
12-20	.000	9.043	.000	1.820	20.00	4.30	7.821	.775	1.656	.000	5.390	42.214
12-21	.000	8.591	.000	1.729	20.00	4.35	7.513	.744	1.656	.000	5.113	42.933
12-22	.000	8.162	.000	1.643	20.00	4.35	7.139	.708	1.656	.000	4.775	43.544
12-23	.000	7.753	.000	1.560	20.00	4.35	6.778	.672	1.656	.000	4.450	44.061
12-24	.000	7.365	.000	1.482	20.00	4.35	6.439	.639	1.656	.000	4.144	44.499
S TOT	.000	430.120	.000	86.562	.00	3.64	315.438	31.262	39.882	90.620	153.674	44.499
REM.	.000	79.414	.000	15.983	.00	4.35	69.448	6.883	27.057	.000	35.508	46.649
TOTAL	.000	509.534	.000	102.545	.00	3.75	384.886	38.145	66.939	90.620	189.182	46.649
CUM.	.000	74.553										
ULT.	.000	584.087										

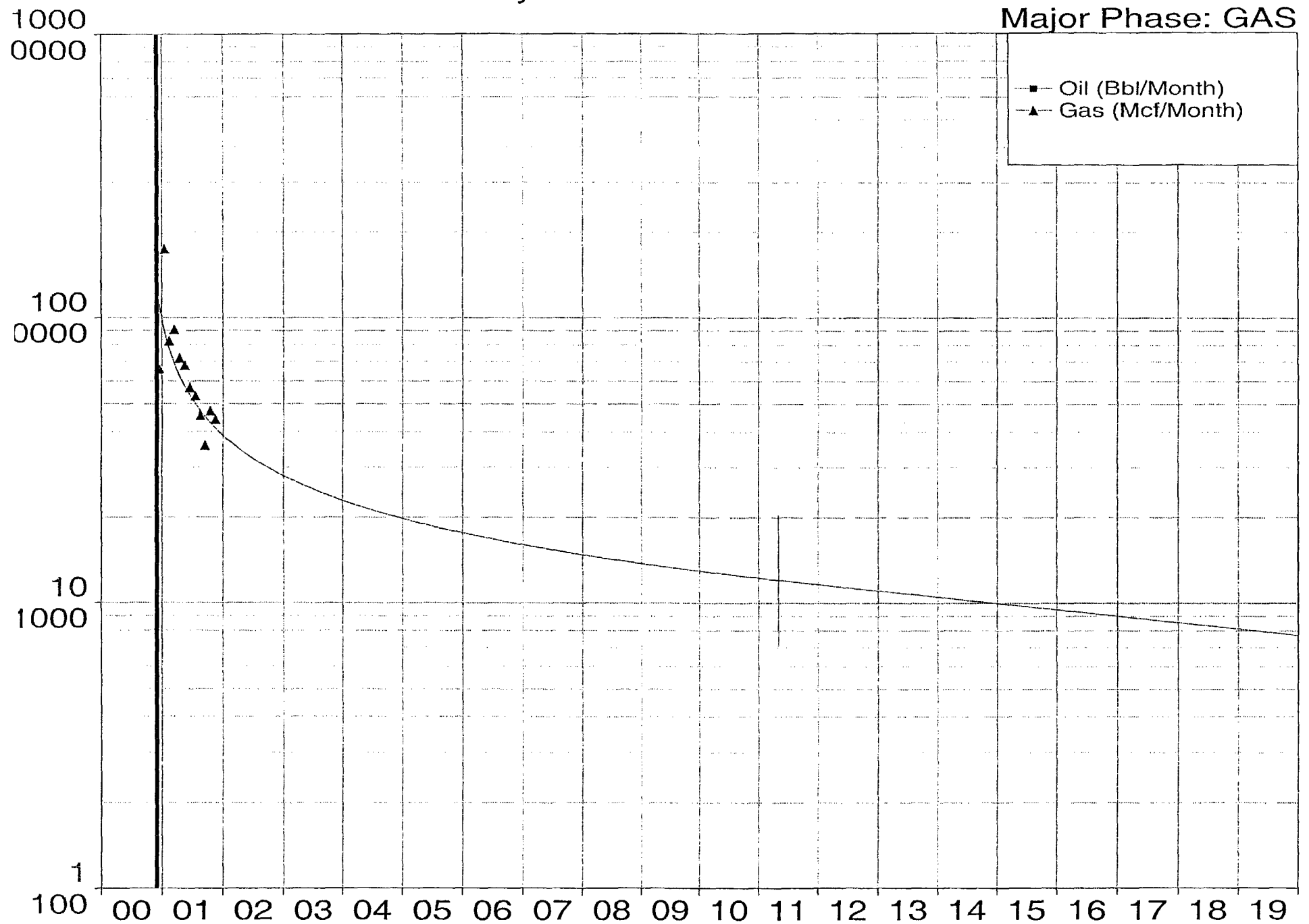
NET OIL REVENUES (M$)	.000				
NET GAS REVENUES (M$)	384.886				
TOTAL REVENUES (M$)	384.886				

PRESENT WORTH PROFILE			
DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	189.182	30.0	-11.275
2.0	138.806	35.0	-17.326
5.0	90.783	40.0	-22.181
8.0	60.848	45.0	-26.170
10.0	46.649	50.0	-29.523
12.0	35.421	60.0	-34.873
15.0	22.415	70.0	-38.977
18.0	12.524	80.0	-42.246
20.0	7.133	90.0	-44.924
25.0	-3.449	100.0	-47.162

BTAX RATE OF RETURN (PCT)	23.37	PROJECT LIFE (YEARS)	40.422		
BTAX PAYOUT	08/28/2004	DISCOUNT RATE (PCT)	10.000		
BTAX PAYOUT (DISC)	12/21/2005	GROSS OIL WELLS	.000		
BTAX NET INCOME/INVEST	3.09	GROSS GAS WELLS	1.000		
BTAX NET INCOME/INVEST (DISC)	1.51	GROSS WELLS	1.000		
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000		
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000		
PRODUCTION START DATE	12/01/00	INITIAL NET GAS FRACTION	.201250		
MONTHS IN FIRST LINE	1.00	FINAL NET GAS FRACTION	.201250		
WATER GROSS PROD. (MU)	.000	WATER NET PRODUCTION (MU)	.000	WATER NET REVENUES (M$)	.000

Property 14091
ROSA UNI , #6Y MV

Monthly Oil and Gas Production



ROSA UNIT #132
PROPNUM 82077-1
MESAVERDE RESERVOIR ,BLANCO FIELD, SAN J
RIO ARRIBA COUNTY ,NM

DATE: 07/23/02
TIME: 07:39:26
FILE: BRC
PROP: 13986
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

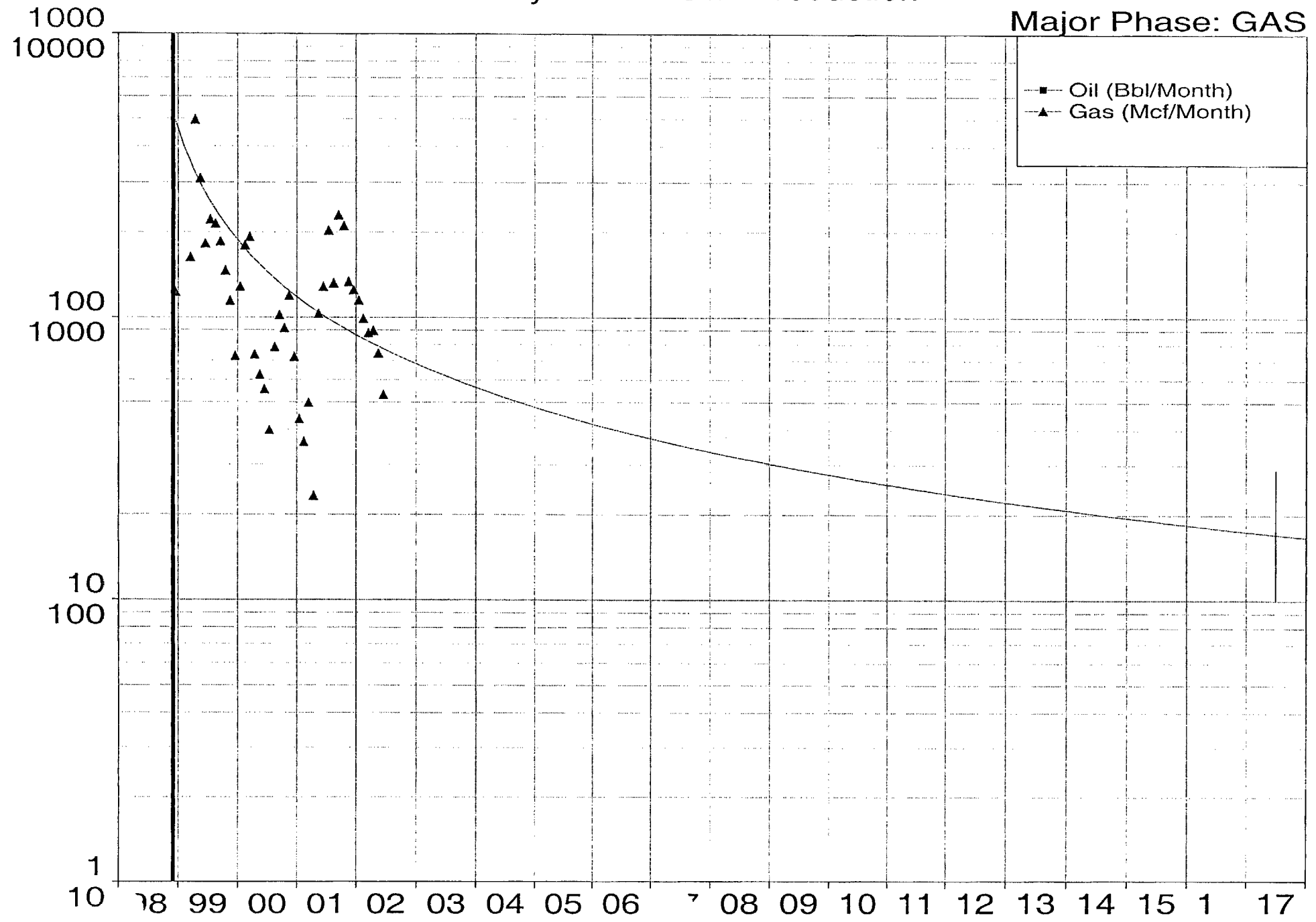
R E S E R V E S A N D E C O N O M I C S

AS OF DECEMBER 1, 1998

-END-	---GROSS PRODUCTION---		----NET PRODUCTION----		--PRICES---		--------OPERATIONS, M$--------					10.00 PCT
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-98	.000	4.897	.000	.986	20.00	1.68	1.658	.164	.138	85.100	-83.744	-83.749
12-99	.000	34.055	.000	6.854	20.00	1.89	12.934	1.282	1.656	.000	9.996	-74.290
12-00	.000	17.735	.000	3.569	20.00	3.39	12.116	1.200	1.656	.000	9.260	-66.324
12-01	.000	12.109	.000	2.437	20.00	3.36	8.198	.813	1.656	.000	5.729	-61.844
12-02	.000	9.218	.000	1.855	20.00	3.30	6.122	.607	1.656	.000	3.859	-59.100
12-03	.000	7.450	.000	1.499	20.00	3.66	5.492	.544	1.656	.000	3.292	-56.972
12-04	.000	6.255	.000	1.259	20.00	3.70	4.657	.461	1.656	.000	2.540	-55.480
12-05	.000	5.394	.000	1.086	20.00	3.68	4.002	.396	1.656	.000	1.950	-54.438
12-06	.000	4.743	.000	.955	20.00	3.75	3.582	.355	1.656	.000	1.571	-53.675
12-07	.000	4.232	.000	.852	20.00	3.80	3.238	.320	1.656	.000	1.262	-53.118
12-08	.000	3.823	.000	.769	20.00	3.86	2.968	.294	1.656	.000	1.018	-52.709
12-09	.000	3.485	.000	.701	20.00	3.92	2.748	.272	1.656	.000	.820	-52.410
12-10	.000	3.203	.000	.645	20.00	3.99	2.571	.254	1.656	.000	.661	-52.191
12-11	.000	2.963	.000	.596	20.00	4.05	2.415	.239	1.656	.000	.520	-52.034
12-12	.000	2.758	.000	.555	20.00	4.12	2.285	.227	1.656	.000	.402	-51.924
12-13	.000	2.578	.000	.519	20.00	4.16	2.162	.215	1.656	.000	.291	-51.851
12-14	.000	2.421	.000	.487	20.00	4.21	2.050	.204	1.656	.000	.190	-51.808
12-15	.000	2.283	.000	.459	20.00	4.25	1.953	.194	1.656	.000	.103	-51.787
12-16	.000	2.159	.000	.434	20.00	4.30	1.866	.185	1.656	.000	.025	-51.782
12-17												
12-18												
12-19												
12-20												
12-21												
12-22												
S TOT	.000	131.761	.000	26.517	.00	3.13	83.017	8.226	29.946	85.100	-40.255	-51.782
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-51.782
TOTAL	.000	131.761	.000	26.517	.00	3.13	83.017	8.226	29.946	85.100	-40.255	-51.782
CUM.	.000	35.841		NET OIL REVENUES (M$)			.000	---------PRESENT WORTH PROFILE---------				
				NET GAS REVENUES (M$)			83.017	DISC	PW OF NET	DISC	PW OF NET	
ULT.	.000	167.602		TOTAL REVENUES (M$)			83.017	RATE	BTAX, M$	RATE	BTAX, M$	
								----	---------	----	---------	
BTAX RATE OF RETURN (PCT)		.00	PROJECT LIFE (YEARS)				18.083	.0	-40.255	30.0	-62.115	
BTAX PAYOUT		LIFE	DISCOUNT RATE (PCT)				10.000	2.0	-43.248	35.0	-63.609	
BTAX PAYOUT (DISC)		LIFE	GROSS OIL WELLS				.000	5.0	-46.991	40.0	-64.877	
BTAX NET INCOME/INVEST		.53	GROSS GAS WELLS				1.000	8.0	-50.044	45.0	-65.963	
BTAX NET INCOME/INVEST (DISC)		.39	GROSS WELLS				1.000	10.0	-51.782	50.0	-66.908	
								12.0	-53.331	60.0	-68.471	
INITIAL W.I. FRACTION		.230000	INITIAL NET OIL FRACTION				.000000	15.0	-55.354	70.0	-69.716	
FINAL W.I. FRACTION		.230000	FINAL NET OIL FRACTION				.000000	18.0	-57.094	80.0	-70.730	
PRODUCTION START DATE		12/01/98	INITIAL NET GAS FRACTION				.201250	20.0	-58.117	90.0	-71.576	
MONTHS IN FIRST LINE		1.00	FINAL NET GAS FRACTION				.201250	25.0	-60.321	100.0	-72.293	
WATER GROSS PROD. (MU)		.000	WATER NET PRODUCTION (MU)				.000	WATER NET REVENUES (M$)			.000	

Property 13986
ROSA UNIT #132

Monthly Oil and Gas Production



ROSA UNIT #184A
CO AND NM
MESAVERDE
SAR

DATE: 07/23/02
TIME: 07:44:56
FILE: BRC
PROP: 17110
STID: MVCOMM
.CMD: CURRENT:
.OUT: MVCOMMER

RESERVES AND ECONOMICS

AS OF OCTOBER 1, 2001

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	--PRICES--- OIL $/B	GAS $/M	--------OPERATIONS, M$-------- NET OPER REVENUES	SEV+ADV TAXES	NET OPER EXPENSES	CAPITAL COSTS, M$	CASH FLOW BTAX, M$	10.00 PCT CUM. DISC BTAX, M$
12-01	.000	27.278	.000	5.490	21.00	3.07	16.856	1.670	.414	103.500	-88.728	-88.903
12-02	.000	34.318	.000	6.906	21.00	3.01	20.772	2.058	1.656	.000	17.058	-73.016
12-03	.000	16.206	.000	3.261	21.00	3.37	10.974	1.088	1.656	.000	8.230	-66.048
12-04	.000	11.125	.000	2.239	21.00	3.40	7.614	.754	1.656	.000	5.204	-62.042
12-05	.000	8.604	.000	1.732	21.00	3.39	5.865	.581	1.656	.000	3.628	-59.503
12-06	.000	7.074	.000	1.424	21.00	3.45	4.914	.487	1.656	.000	2.771	-57.740
12-07	.000	6.038	.000	1.215	21.00	3.50	4.253	.422	1.656	.000	2.175	-56.482
12-08	.000	5.285	.000	1.064	21.00	3.56	3.786	.375	1.656	.000	1.755	-55.559
12-09	.000	4.712	.000	.948	21.00	3.62	3.430	.340	1.656	.000	1.434	-54.874
12-10	.000	4.260	.000	.857	21.00	3.68	3.156	.313	1.656	.000	1.187	-54.358
12-11	.000	3.893	.000	.783	21.00	3.75	2.935	.291	1.656	.000	.988	-53.968
12-12	.000	3.589	.000	.722	21.00	3.81	2.753	.273	1.656	.000	.824	-53.672
12-13	.000	3.333	.000	.671	21.00	3.86	2.590	.257	1.656	.000	.677	-53.451
12-14	.000	3.113	.000	.626	21.00	3.90	2.443	.242	1.656	.000	.545	-53.289
12-15	.000	2.924	.000	.588	21.00	3.95	2.321	.230	1.656	.000	.435	-53.172
12-16	.000	2.758	.000	.555	21.00	3.99	2.215	.219	1.656	.000	.340	-53.089
12-17	.000	2.610	.000	.525	21.00	4.04	2.119	.210	1.656	.000	.253	-53.033
12-18	.000	2.479	.000	.499	21.00	4.08	2.037	.202	1.656	.000	.179	-52.997
12-19	.000	2.355	.000	.474	21.00	4.13	1.957	.194	1.656	.000	.107	-52.977
12-20	.000	2.237	.000	.450	21.00	4.18	1.879	.186	1.656	.000	.037	-52.971
12-21												
12-22												
12-23												
12-24												
12-25												
S TOT	.000	154.191	.000	31.029	.00	3.38	104.869	10.392	31.878	103.500	-40.901	-52.971
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	-52.971
TOTAL	.000	154.191	.000	31.029	.00	3.38	104.869	10.392	31.878	103.500	-40.901	-52.971
CUM.	.000	30.401										
ULT.	.000	184.592										

NET OIL REVENUES (M$)	.000		
NET GAS REVENUES (M$)	104.869		
TOTAL REVENUES (M$)	104.869		

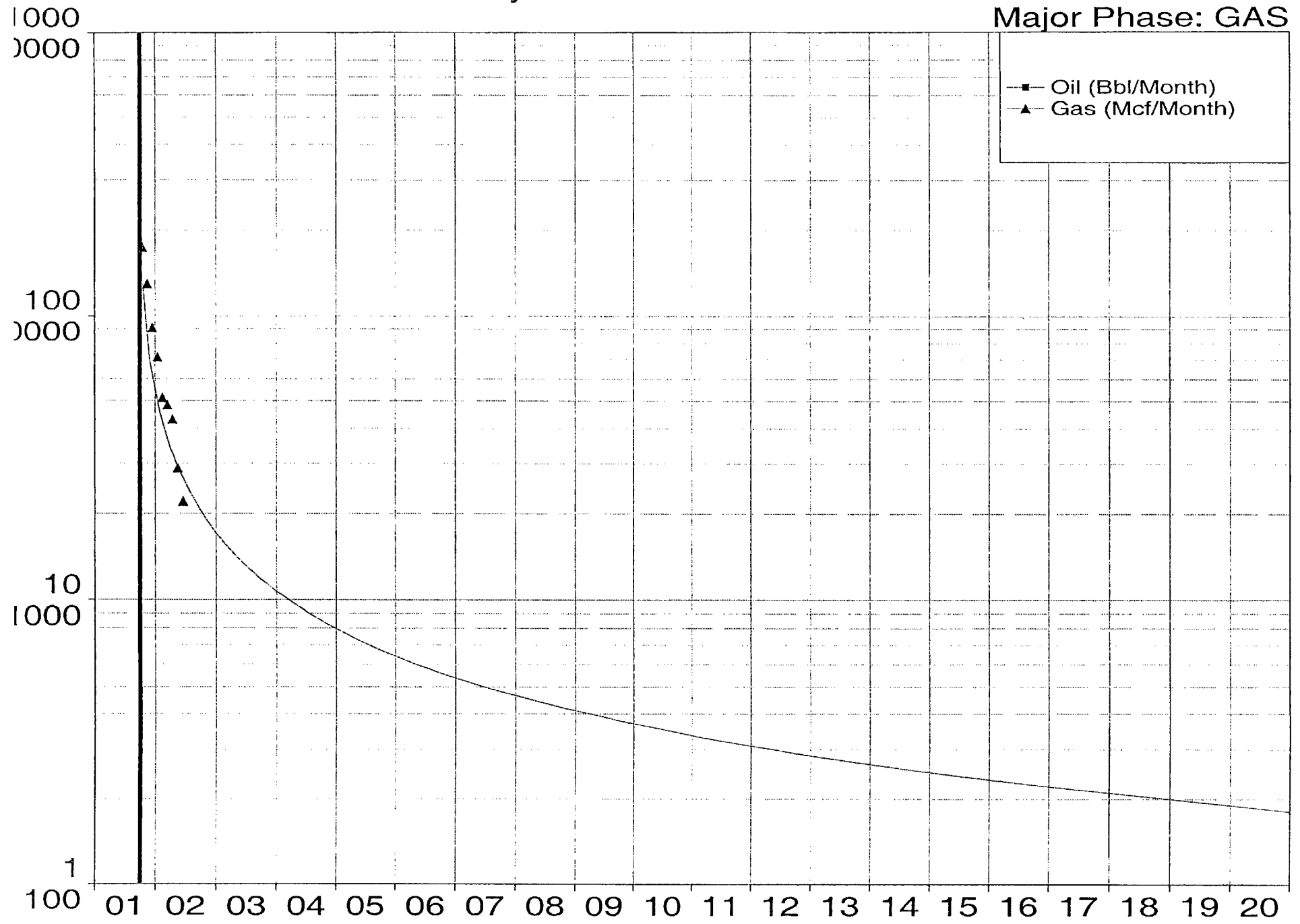
BTAX RATE OF RETURN (PCT)	.00	PROJECT LIFE (YEARS)	19.250
BTAX PAYOUT	LIFE	DISCOUNT RATE (PCT)	10.000
BTAX PAYOUT (DISC)	LIFE	GROSS OIL WELLS	.000
BTAX NET INCOME/INVEST	.60	GROSS GAS WELLS	1.000
BTAX NET INCOME/INVEST (DISC)	.49	GROSS WELLS	1.000
INITIAL W.I. FRACTION	.230000	INITIAL NET OIL FRACTION	.000000
FINAL W.I. FRACTION	.230000	FINAL NET OIL FRACTION	.000000
PRODUCTION START DATE	10/01/01	INITIAL NET GAS FRACTION	.201250
MONTHS IN FIRST LINE	3.00	FINAL NET GAS FRACTION	.201250

---PRESENT WORTH PROFILE---

DISC RATE	PW OF NET BTAX, M$	DISC RATE	PW OF NET BTAX, M$
.0	-40.901	30.0	-63.947
2.0	-44.047	35.0	-65.592
5.0	-47.958	40.0	-67.004
8.0	-51.153	45.0	-68.232
10.0	-52.971	50.0	-69.315
12.0	-54.592	60.0	-71.144
15.0	-56.717	70.0	-72.633
18.0	-58.551	80.0	-73.878
20.0	-59.645	90.0	-74.940
25.0	-61.998	100.0	-75.856

Property 17110
ROSA UNIT #184A

Monthly Oil and Gas Production



Williams Production Co. LLC
4500 One Williams Center
P.O. Box 3102
Tulsa, OK 74121 74101
918/573-6181

May 28, 2002
PROD-0-127-2002

Bureau of Land Management (3 copies)
Farmington Resource Area
Attn: Mr. Wayne Townsend
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico (2 copies)
Commissioner of Public Lands
Attn: Mr. Pete Martinez
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

State of New Mexico (2 copies)
Oil Conservation Division
Attn: Lori Wrotenberg
1200 South St. Francis Drive
P.O. Box 2308
Santa Fe, NM 87504-2308

Re: Rosa Unit I, Sec. No.587
San Juan and Rio Arriba Counties, New Mexico
NOTICE OF COMPLETION OF COMMERCIAL & NON-COMMERCIAL WELLS
Dakota formation

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement I Sec. No. 587, Williams Production Company, LLC, as Unit Operator, has determined that the Rosa Unit #96, #1E, #15A, #148, #30, #159, #64M, #26A, #24A, #29M, #185, #185A are capable of producing unitized substances in paying quantities from the Dakota formation. Williams Production Company, LLC, has determined that the Rosa Unit #9A and #101M are not capable of producing unitized substances in paying quantities from the Dakota formation.

The well data is as follows:

WELL DATA

Commercial Wells

The Rosa Unit #96 Well (commercial) is located 1080 feet from the South Line and 1015 feet from the West Line, Section 17, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on August 16, 1993, and completed in the Dakota formation on November 16, 1993. The Dakota formation was perforated with 30 holes between the following depths:

7846' to 7912'

These perforations were sand/water fractured. This well has a 2 3/8 inch tubing string. On November 16, 1993 the well was tested and after flowing for twenty four hours through a 12/64 inch choke, the well gauged 708 MCFD.

The Rosa Unit #1E Well (commercial) is located 830 feet from the South Line and 830 feet from the East Line, Section 11, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 20, 1994, and completed in the Dakota formation on October 8, 1994. The Dakota formation was perforated with 10 holes between the following depths:

7887' to 7981'

These perforations were sand/water fractured. This well has a 1 1/2 inch tubing string. The well was shut in with a SITP of 2603 psig. On October 22, 1994 the well was tested and after flowing for three hours through a 3/4 inch choke on the 1 ½ inch tubing, the well gauged 5403 MCFD with a calculated AOF of 5515 MCFD.

The Rosa Unit #15A Well (commercial) is located 1790 feet from the South Line and 820 feet from the East Line, Section 29, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 29, 1995, and completed in the Dakota formation on August 4, 1995. The Dakota formation was perforated with 16 holes between the following depths:

7971' to 8120'

These perforations were sand/water fractured. This well has a 1 1/2 inch tubing string. The well was shut in with a SITP of 2516 psig. On August 28, 1995 the well was tested

and after flowing for three hours through a 3/4 inch choke on the 1 ½ inch tubing, the well gauged 1425 MCFD with a calculated AOF of 1427 MCFD.

The Rosa Unit COM #148 Well (commercial) is located 445 feet from the South Line and 2460 feet from the East Line, Section 2, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 8, 1995, and completed in the Dakota formation on September 6, 1995. The Dakota formation was perforated with 14 holes between the following depths:

7891' to 8012'

These perforations were sand/water fractured. This well has a 1 1/2 inch tubing string. The well was shut in with a SITP of 2454 psig. On September 2, 1995 the well was tested and after flowing for three hours through a 3/4 inch choke on the 1 ½ inch tubing, the well gauged 2288 MCFD with a calculated AOF of 2297 MCFD.

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The Rosa Unit #30 Well (commercial) is located 800 feet from the South Line and 920 feet from the East Line, Section 12, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 6, 1996, and completed in the Dakota formation on August 17, 1996. The Dakota formation was perforated with 22 holes between the following depths:

8065' to 8223'

These perforations were sand/water fractured. This well has a 1 1/2 inch tubing string. The well was shut in with a SITP of 2389 psig. On September 5, 1996 the well was tested and after flowing for three hours through a 3/4 inch choke on the 1 ½ inch tubing, the well gauged 3416 MCFD with a calculated AOF of 3449 MCFD.

The Rosa Unit #159 Well (commercial) is located 790 feet from the South Line and 1850 feet from the East Line, Section 19, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 25, 1996, and completed in the Dakota formation on September 24, 1996. The Dakota formation was perforated with 18 holes between the following depths:

7880' to 8055'

These perforations were sand/water fractured. This well has a 1 1/2 inch tubing string. The well was shut in with a SITP of 1527 psig. On October 12, 1996 the well was tested and after flowing for three hours through a 3/4 inch choke on the 1 ½ inch tubing, the well gauged 694 MCFD with a calculated AOF of 695 MCFD.

The Rosa Unit #64M Well (commercial) is located 1850 feet from the North Line and 1800 feet from the West Line, Section 29, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 7, 1996, and completed in the Dakota formation on October 2, 1996. The Dakota formation was perforated with 17 holes between the following depths:

7934' to 8019'

These perforations were sand/water fractured. This well has a 1 1/2-inch tubing string. The well was shut in with a SITP of 2564 psig. On October 24, 1996 the well was tested and after flowing for three hours through a 3/4 inch choke on the 1 ½ inch tubing, the well gauged 1125 MCFD with a calculated AOF of 1126 MCFD.

The Rosa Unit #26A Well (commercial) is located 860 feet from the South Line and 1465 feet from the East Line, Section 32, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 19, 1996, and completed in the Dakota formation on October 14, 1996. The Dakota formation was perforated with 17 holes between the following depths:

7915' to 8011'

These perforations were sand/water fractured. This well has a 1 1/2-inch tubing string. The well was shut in with a SITP of 2372 psig. On October 29, 1996 the well was tested and after flowing for three hours through a 3/4 inch choke on the 1 ½ inch tubing, the well gauged 1690 MCFD with a calculated AOF of 1694 MCFD.

The Rosa Unit #24A Well (commercial) is located 1695 feet from the North Line and 1165 feet from the West Line, Section 32, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 9, 1996, and completed in the Dakota formation on October 31, 1996. The Dakota formation was perforated with 19 holes between the following depths:

7976' to 8135'

These perforations were sand/water fractured. This well has a 1 1/2 inch tubing string. The well was shut in with a SITP of 2466 psig. On November 15, 1996 the well was

tested and after flowing for three hours through a 3/4 inch choke on the 1 ½ inch tubing, the well gauged 1439 MCFD with a calculated AOF of 1441 MCFD.

The Rosa Unit #29M Well (commercial) is located 1460 feet from the South Line and 840 feet from the East Line, Section 32, Township 32 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on October 7, 1998, and completed in the Dakota formation on December 5, 1998. The Dakota formation was perforated with 20 holes between the following depths:

7832' to 7947'

These perforations were sand/water fractured. This well has a 1 1/2 inch tubing string. The well was shut in with a SITP of (not reported) psig. On December 20, 1998 the well was tested and after flowing for three hours through a 3/4 inch choke on the 1 ½ inch tubing, the well gauged 0 MCFD with a calculated AOF of 0 MCFD. (Well logged off during test)

The Rosa Unit #185 Well (commercial) is located 1790 feet from the North Line and 1928 feet from the East Line, Section 16, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on October 3, 2000, and completed in the Dakota formation on November 26, 2000. The Dakota formation was perforated with 21 holes between the following depths:

8354' to 8483'

These perforations were sand/water fractured. This well has a 2 1/16 inch tubing string. The well was shut in with a SITP of 2635 psig. On November 29, 2000 the well was tested and after flowing for three hours through a 3/4 inch choke on the 2 inch tubing, the well gauged 899 MCFD with a calculated AOF of 900 MCFD.

The Rosa Unit #185A Well (commercial) is located 2144 feet from the South Line and 368 feet from the East Line, Section 16, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on July 9, 2000, and completed in the Dakota formation on August 29, 2000. The Dakota formation was perforated with 23 holes between the following depths:

8236' to 8346'

These perforations were sand/water fractured. This well has a 2 1/16 inch tubing string. The well was shut in with a SITP of 925 psig. On September 15, 2000 the well was

tested and after flowing for three hours through a 3/4 inch choke on the 2 inch tubing, the well gauged 392 MCFD with a calculated AOF of 392 MCFD.

Non-Commercial Wells

The Rosa Unit #9A Well (non-commercial) is located 1250 feet from the North Line and 2245 feet from the West Line, Section 11, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 24, 1996, and completed in the Dakota formation on August 5, 1996. The Dakota formation was perforated with 28 holes between the following depths:

7960' to 7981'

These perforations were sand/water fractured. This well has a 1 1/2 inch tubing string. The well was shut in with a SITP of 2382 psig. On August 15, 1996 the well was tested and after flowing for three hours through a 3/4 inch choke on the 1 ½ inch tubing, the well gauged 984 MCFD with a calculated AOF of 985 MCFD.

The Rosa Unit #101M Well (non-commercial) is located 1620 feet from the North Line and 1665 feet from the West Line, Section 24, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was originally named the Rosa #19M, was spudded on July 16, 1996, and completed in the Dakota formation on August 31, 1996. The Dakota formation was perforated with 14 holes between the following depths:

7788' to 7875'

These perforations were sand/water fractured. This well has a 1 1/2 inch tubing string. The Dakota formation in this well was temporarily abandoned until 8/14/01 at which time it was turned on for first delivery at an initial rate of 298 MCFD. It is currently producing 25 to 40 MCFD, which is not deemed a commercial quantity.

If these determinations meet with your approval, please indicate such approval in the space provided and return an approved copy for our files.

Copies of this letter are being sent to the Unit working interest owners on the attached sheet.

Sincerely,

Kris Russell

Kris Russell
Sr. Production Analyst
918/573-6181

Assistant district Manager, Minerals
Commissioner of Public lands
Oil Conservation Commission
May 28, 2002

APPROVED _____ DATE _____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands
And The Oil Conservation Commission

APPROVED _____ DATE _____
Commissioner of Public Lands
Subject to like approval by the
Bureau of Land Management
And The Oil Conservation Commission

APPROVED _____ DATE _____
Oil Conservation Commission
Subject to like approval by the
Bureau of Land Management
And The Commissioner of Public Lands

The foregoing is the approval of Notice of Completion of Commercial wells for the Rosa Unit #96, #1E, #15A, #148, #30, #159, #64M, #26A, #24A, #29M, #185 and #185A and the approval of Notice of Non-Commercial wells for the Rosa Unit #9A and #101M in the Dakota formation.

WORKING INTEREST OWNERS
ROSA UNIT DAKOTA

BP Amoco Production Company
ATTN: San Juan Asset Team
P.O. Box 3092
Houston, TX 77253-3092

Mr. Fred E. Turner
One Energy Square, #852
4925 Greenville Avenue
Dallas, TX 75206-4079

Mary Frances Turner, Jr Trust
ATTN: Iris Gleiser
P.O. Box 660197
Dallas, TX 75266-0197

The Wiser Oil Company
ATTN: Matt Eagleston
8115 Preston Road, #400
Dallas, TX 75225

Ms. Elizabeth T. Calloway
P.O. Box 191767
Dallas, TX 75219-1767

Mr. J. Glenn Turner, Jr.
3838 Oak Lawn
Suite 1600
Dallas, TX 75219

Mr. John Turner
PMB 285
317 Sidney Baker South #400
Kerrville, TX 78028

Project: Rosa 96 Dakota Commerciality Determination

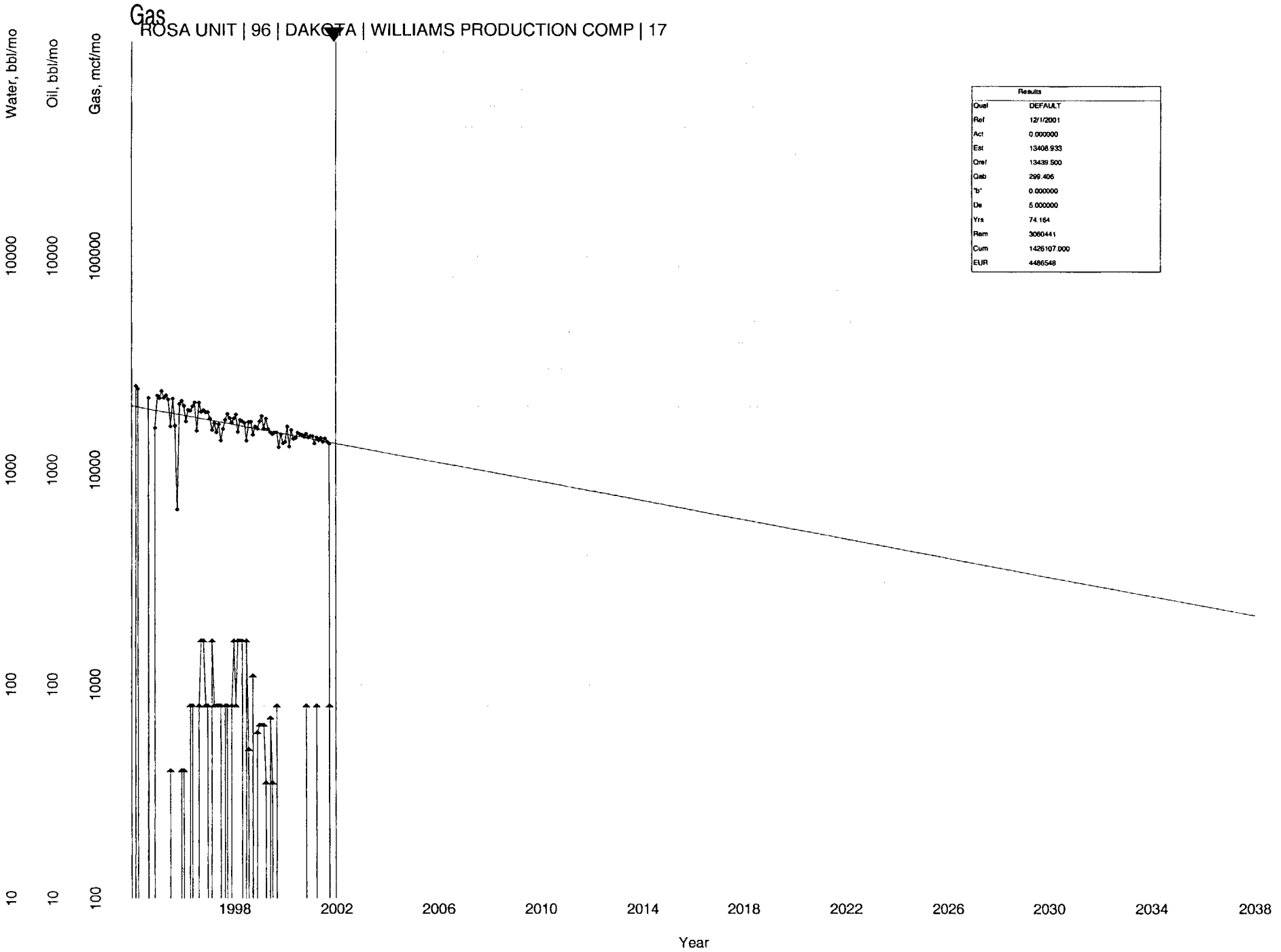
In $/thousand

Comments:

INPUTS - In blue areas only, costs in gross values								
Probability of Success	100.0%	O&M - M$/month	$1.2	Land / Buy-In (NET)		$0	POS Parameters	
WI: prior to casingpoint	100.00%	Gathering Fee - $/Mcf	$0.46	Dry Hole Cost (8/8ths)		$0	Source	100%
WI: casingpoint to comp	100.00%	Water Prod - bbls/d	-	Completion Cost (8/8ths)		$440	Reservoir	100%
WI: production BPO	100.00%	% Water Decline	20.0%	Total		$440	Trap	100%
WI: production APO	100.00%	Water disp fee - $/bbl	$2.50	Direct Taxes	nm	9.12%	Timing	100%
NRI BPO	82.00%	Gas Price - $/Mcf	LRP SJ	Income Tax Rate	AMT	25%	Seal	100%
NRI APO	82.00%	IP Rate - MMcfd	0.700	Percent Tangible		30%	POS	100.0%
Net Gas NRI BPO	82.00%	% Volume Decline	10.0%	**Financing Detail for 1040:**				
Net Gas NRI APO	82.00%	Gas Differential	$0.00	Percentage Financed		50%		
Net Oil NRI	82.0%	Btu value	1.000	Finance Rate		9.0%		
Payout Percent	100.0%	Oil Price - $/bbl	LRP SJ	IRR (after taxes and financing)		50.8%		
Volume Sensitivity	100.0%	bbls/MMcf	-	PV10 (after taxes and financing)		$1,196.7		
Gas price sensitivity	100.0%	Oil Differential	$0.00					
Oil price sensitivity	100.0%							

RESULTS			
Pre-Tax		After-Tax	
IRR	42.4%	IRR	38.6%
PV5	$2,849	PV5	$2,133
PV10	$1,616	PV10	$1,195
Gas Gross Reserves (BCF)			3.6
Net Risked Reserves (BCF)			2.9
Oil Gross Reserves (MBO)			-
Net Risked Reserves (MBO)			-
Gross Reserves (BCFE)			3.6
Net Risked Reserves (BCFE)			2.9
Capital Cost: $/Mcfe			$0.15
Number of years to payback			3.43

INCOME STATEMENT	totals	1993 Year 0	1994 Year 1	1995 Year 2	1996 Year 3	1997 Year 4	1998 Year 5	1999 Year 6	2000 Year 7	2001 Year 8	2002 Year 9	2003 Year 10	2004 Year 11	2005 Year 12	2006 Year 13	2007 Year 14	2008 Year 15
MMcfd			0.933	0.647	0.624	0.543	0.535	0.497	0.480	0.454	0.431	0.409	0.389	0.369	0.351	0.333	0.317
Production Decline				-172%	3%	13%	1%	7%	3%	5%	5%	5%	5%	5%	5%	5%	5%
Gross Production - MMcf	3,594		86.800	236.099	227.911	198.238	195.313	181.568	175.253	165.674	157.208	149.347	141.88	134.786	128.047	121.644	115.562
Net Risked Production - MMcf	2,947		71	194	187	163	160	149	144	136	129	122	116	111	105	100	95
Gas Price			1.63	1.18	1.66	2.32	1.86	2.06	3.53	3.75	2.69	3.52	3.70	3.73	3.81	3.87	3.93
GAS SALES	8,531		116	228	310	377	298	307	455	459	313	389	389	373	361	348	336
Gross Production - Mbbls	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Risked Production - Mbbls	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil Price			27.49	25.00	22.00	20.70	21.42	22.17	22.95	23.75	24.59	25.45	25.45	25.45	25.45	25.45	25.45
OIL SALES	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL REVENUES	8,531		116	228	310	377	298	307	455	459	313	389	389	373	361	348	336
OPERATING EXPENSES																	
Lease Operating Expense	432		14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Gathering Fees	1,356		33	89	86	75	74	68	66	62	59	56	54	51	48	46	44
Water Disposal Fees	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Depletion	440		11	29	28	24	24	22	21	20	19	18	17	17	16	15	14
Direct Taxes (Ad Val + Sev)	666		8	13	20	28	20	22	36	37	24	31	31	30	29	28	27
TOTAL OPERATING EXPENSES			65	145	149	141	132	127	138	134	117	120	116	112	107	103	99
OPERATING PROFIT/PRETAX INC.			51	83	162	236	165	180	317	325	197	269	272	261	254	245	237
Income Taxes @ 25%			13	21	40	59	41	45	79	81	49	67	68	65	64	61	59
NET INCOME			38	63	121	177	124	135	238	244	148	202	204	196	191	184	178
Depreciation and Depletion			11	29	28	24	24	22	21	20	19	18	17	17	16	15	14
Deferred Taxes			75	(5)	(5)	(4)	(4)	(4)	(4)	(4)	(4)	(3)	(3)	(3)	(3)	(3)	(3)
Capital Expenditures	(440)	(440)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRE-TAX CASH FLOW		(440)	61	112	189	260	189	202	336	344	214	285	288	276	268	258	249
AFTER-TAX CASH FLOW		(440)	124	86	144	197	144	153	255	261	163	217	218	209	203	196	189
Cumulative A-T Cash Flow		(440)	(316)	(230)	(86)	111	255	408	664	924	1,088	1,304	1,522	1,732	1,935	2,131	2,320


Gas
ROSA UNIT | 96 | DAKOTA | WILLIAMS PRODUCTION COMP | 17
Water, bbl/mo
Oil, bbl/mo
Gas, mcf/mo
10000
1000
100
10
10000
1000
100
10
100000
10000
1000
100
Results
Qual DEFAULT
Ref 12/1/2001
Act 0.000000
Est 13408.933
Qref 13439.500
Qab 299.406
"b" 0.000000
De 5.000000
Yrs 74.164
Rem 3060441
Cum 1426107.000
EUR 4486548
1998
2002
2006
2010
2014
2018
2022
2026
2030
2034
2038
Year

Project: Rosa 1E Dakota Commerciality Determination

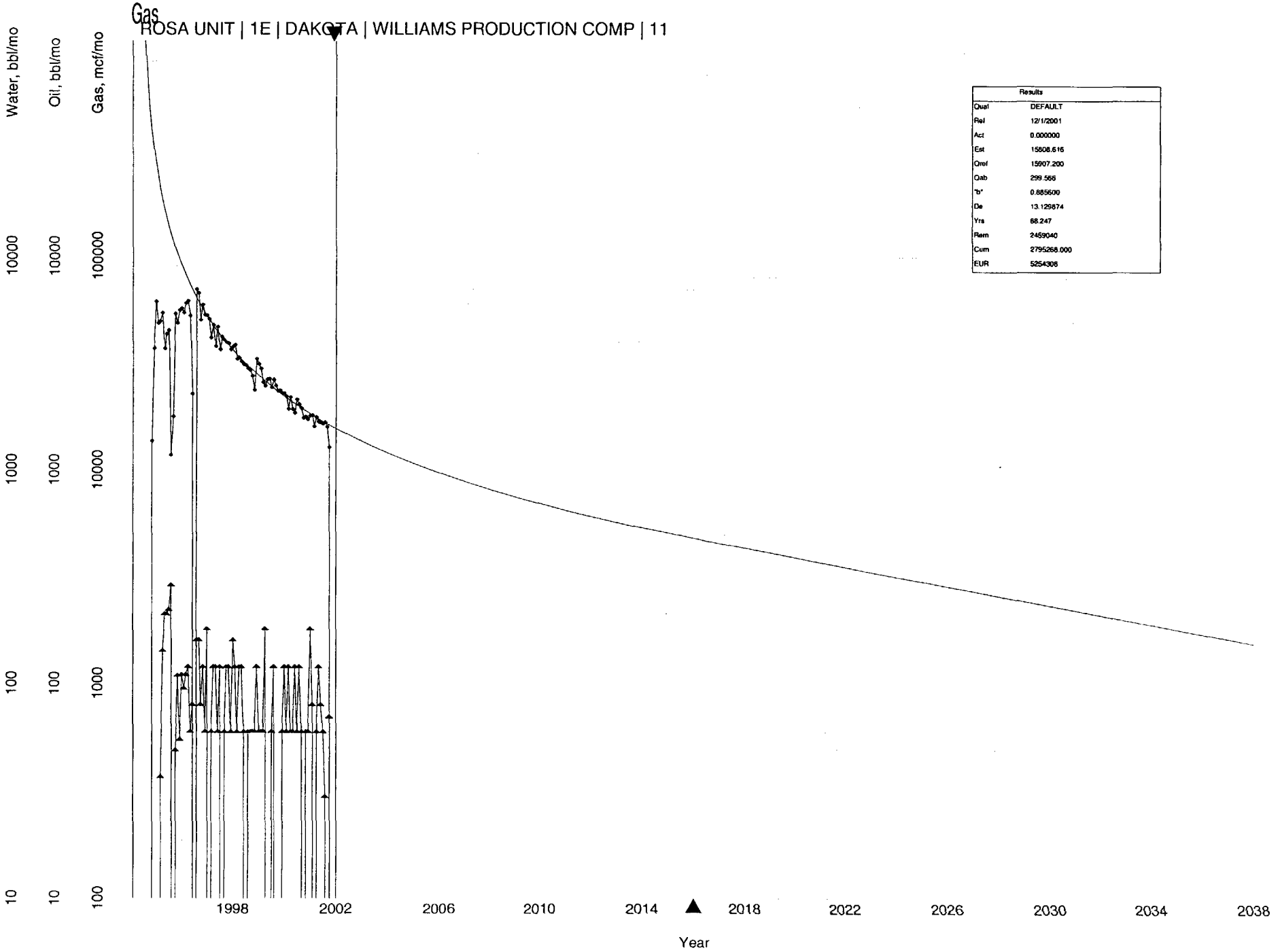
In $/thousand

Comments:

INPUTS - In blue areas only, costs in gross values								
Probability of Success	100.0%	O&M - M$/month	$1.2	Land / Buy-In (NET)		$0	POS Parameters	
WI: prior to casingpoint	100.00%	Gathering Fee - $/Mcf	$0.46	Dry Hole Cost (8/8ths)		$0	Source	100%
WI: casingpoint to comp	100.00%	Water Prod - bbls/d	-	Completion Cost (8/8ths)		$440	Reservoir	100%
WI: production BPO	100.00%	% Water Decline	20.0%	Total		$440	Trap	100%
WI: production APO	100.00%	Water disp fee - $/bbl	$2.50	Direct Taxes	nm	9.12%	Timing	100%
NRI BPO	82.00%	Gas Price - $/Mcf	LRP SJ	Income Tax Rate	AMT	25%	Seal	100%
NRI APO	82.00%	IP Rate - MMcfd	0.700	Percent Tangible		30%	POS	100.0%
Net Gas NRI BPO	82.00%	% Volume Decline	10.0%	Financing Detail for 1040:				
Net Gas NRI APO	82.00%	Gas Differential	$0.00	Percentage Financed		50%		
Net Oil NRI	82.0%	Btu value	1.000	Finance Rate		9.0%		
Payout Percent	100.0%	Oil Price - $/bbl	LRP SJ	IRR (after taxes and financing)		103.1%		
Volume Sensitivity	100.0%	bbls/MMcf	-	PV10 (after taxes and financing)		$1,765.1		
Gas price sensitivity	100.0%	Oil Differential	$0.00					
Oil price sensitivity	100.0%							

RESULTS			
Pre-Tax		After-Tax	
IRR	79.4%	IRR	70.7%
PV5	$3,534	PV5	$2,653
PV10	$2,366	PV10	$1,764
Gas Gross Reserves (BCF)			4.6
Net Risked Reserves (BCF)			3.8
Oil Gross Reserves (MBO)			-
Net Risked Reserves (MBO)			-
Gross Reserves (BCFE)			4.6
Net Risked Reserves (BCFE)			3.8
Capital Cost: $/Mcfe			$0.12
Number of years to payback			2.24

INCOME STATEMENT	totals	1993 Year 0	1994 Year 1	1995 Year 2	1996 Year 3	1997 Year 4	1998 Year 5	1999 Year 6	2000 Year 7	2001 Year 8	2002 Year 9	2003 Year 10	2004 Year 11	2005 Year 12	2006 Year 13	2007 Year 14	2008 Year 15
MMcfd			1.205	1.430	1.656	1.364	1.029	0.828	0.639	0.539	0.487	0.427	0.379	0.340	0.308	0.282	0.259
Production Decline				-366%	-16%	18%	25%	19%	23%	16%	10%	12%	11%	10%	9%	9%	8%
Gross Production - MMcf	4,645		112.094	521.882	604.448	497.855	375.449	302.306	233.396	196.579	177.801	155.687	138.249	124.163	112.56	102.846	94.602
Net Risked Production - MMcf	3,809		92	428	496	408	308	248	191	161	146	128	113	102	92	84	78
Gas Price			1.63	1.18	1.66	2.32	1.86	2.06	3.53	3.75	2.69	3.52	3.70	3.73	3.81	3.87	3.93
GAS SALES	9,275		150	505	823	947	573	511	515	479	305	358	342	315	296	277	262
Gross Production - Mbbls	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Risked Production - Mbbls	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil Price			27.49	25.00	22.00	20.70	21.42	22.17	22.95	23.75	24.59	25.45	25.45	25.45	25.45	25.45	25.45
OIL SALES	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL REVENUES	9,275		150	505	823	947	573	511	515	479	305	358	342	315	296	277	262
OPERATING EXPENSES																	
Lease Operating Expense	432		14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Gathering Fees	1,752		42	197	228	188	142	114	88	74	67	59	52	47	42	39	36
Water Disposal Fees	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Depletion	440		11	49	57	47	36	29	22	19	17	15	13	12	11	10	9
Direct Taxes (Ad Val + Sev)	701		10	28	54	69	39	36	41	38	23	28	27	25	24	22	21
TOTAL OPERATING EXPENSES			77	289	354	319	231	193	165	145	121	116	107	98	91	85	80
OPERATING PROFIT/PRETAX INC.			73	216	469	629	342	317	349	333	184	242	235	217	205	192	182
Income Taxes @ 25%			18	54	117	157	85	79	87	83	46	60	59	54	51	48	45
NET INCOME			55	162	352	471	256	238	262	250	138	181	176	163	154	144	136
Depreciation and Depletion			11	49	57	47	36	29	22	19	17	15	13	12	11	10	9
Deferred Taxes			75	(9)	(10)	(8)	(6)	(5)	(4)	(4)	(3)	(3)	(2)	(2)	(2)	(2)	(2)
Capital Expenditures	(440)	(440)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRE-TAX CASH FLOW		(440)	83	266	526	676	377	346	366	348	197	253	245	227	214	201	190
AFTER-TAX CASH FLOW		(440)	140	203	399	510	286	262	280	265	152	193	187	172	162	152	144
Cumulative A-T Cash Flow		(440)	(300)	(97)	302	812	1,098	1,360	1,640	1,905	2,056	2,249	2,436	2,608	2,770	2,922	3,066


Gas
ROSA UNIT | 1E | DAKOTA | WILLIAMS PRODUCTION COMP | 11
Water, bbl/mo
Oil, bbl/mo
Gas, mcf/mo
10000
1000
100
10
10000
1000
100
10
100000
10000
1000
100
Results
Qual DEFAULT
Rel 12/1/2001
Act 0.000000
Est 15808.616
Qref 15907.200
Qab 299.566
"b" 0.685600
De 13.129874
Yrs 68.247
Rem 2459040
Cum 2795268.000
EUR 5254308
1998
2002
2006
2010
2014
2018
2022
2026
2030
2034
2038
Year

Project: Rosa 15A Dakota Commerciality Determination

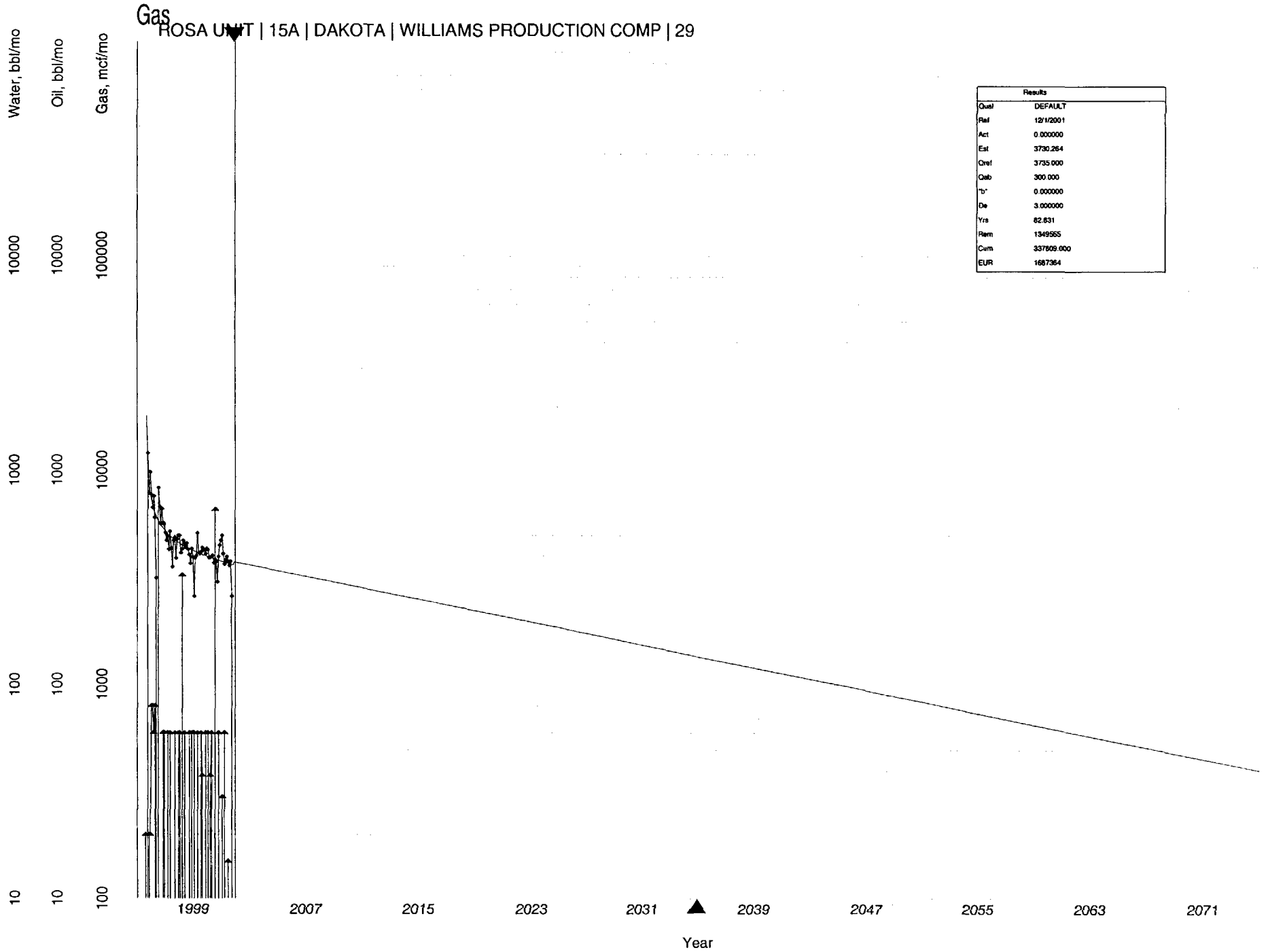
In $/thousand

Comments:

INPUTS - In blue areas only, costs in gross values								
Probability of Success	100.0%	O&M - M$/month	$1.20	Land / Buy-In (NET)		$0	POS Parameters	
WI: prior to casingpoint	100.00%	Gathering Fee - $/Mcf	$0.46	Dry Hole Cost (8/8ths)		$0	Source	100%
WI: casingpoint to comp	100.00%	Water Prod - bbls/d		Completion Cost (8/8ths)		$360	Reservoir	100%
WI: production BPO	100.00%	% Water Decline		Total		$360	Trap	100%
WI: production APO	100.00%	Water disp fee - $/bbl	$2.50	Direct Taxes	NM	9.12%	Timing	100%
NRI BPO	85.00%	Gas Price - $/Mcf	LRP SJ	Income Tax Rate	AMT	25%	Seal	100%
NRI APO	85.00%	IP Rate - MMcfd	0.606	Percent Tangible		21%	POS	100.0%
Net Gas NRI BPO	85.00%	% Volume Decline	65.0%	Financing Detail for 1040:				
Net Gas NRI APO	85.00%	Gas Differential		Percentage Financed		50%		
Net Oil NRI	85.00%	Btu value	1.000	Finance Rate		9.0%		
Payout Percent	100.0%	Oil Price - $/bbl	LRP SJ	IRR (after taxes and financing)		18.3%		
Volume Sensitivity	100.0%	bbls/MMcf	-	PV10 (after taxes and financing)		$189.2		
Gas price sensitivity	100.0%	Oil Differential	$0.00					
Oil price sensitivity	100.0%							

RESULTS			
Pre-Tax		After-Tax	
IRR	17.5%	IRR	16.4%
PV5	$680	PV5	$500
PV10	$270	PV10	$188
Gas Gross Reserves (BCF)			1.088
Net Risked Reserves (BCF)			0.9
Oil Gross Reserves (MBO)			-
Net Risked Reserves (MBO)			-
Gross Reserves (BCFE)			1.088
Net Risked Reserves (BCFE)			0.9
Capital Cost: $/Mcfe			$0.39
Number of years to payback			6.72

INCOME STATEMENT	totals	Year 0	1995 Year 1	1996 Year 2	1997 Year 3	1998 Year 4	1999 Year 5	2000 Year 6	2001 Year 7	2002 Year 8	2003 Year 9	2004 Year 10	2005 Year 11	2006 Year 12	2007 Year 13	2008 Year 14	2009 Year 15
MMcfd			0.081	0.191	0.152	0.142	0.135	0.130	0.125	0.121	0.117	0.114	0.110	0.107	0.104	0.101	0.098
Production Decline			65%	-134%	20%	6%	5%	4%	4%	3%	3%	3%	3%	3%	3%	3%	3%
Gross Production - MMcf	830.36	(20yr)	29.737	69.673	55.450	51.948	49.290	47.533	45.592	44.144	42.82	41.535	40.289	39.081	37.908	36.771	35.668
Net Risked Production - MMcf	924		25	59	47	44	42	40	39	38	36	35	34	33	32	31	30
Gas Price			1.18	1.66	2.32	1.86	2.06	3.53	3.75	2.69	3.52	3.70	3.73	3.81	3.87	3.93	3.99
GAS SALES	3,082		30	98	109	82	86	143	145	101	128	131	128	127	125	123	121
Production Decline																	
Gross Production - Mbbls	0.00	(20yr)	-		0	0	0	0	0	0	0	0	0	0	0	0	0
Net Risked Production - Mbbls	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil Price			27.90	25.00	23.00	20.70	21.74	22.82	23.62	21.00	21.84	22.71	22.71	22.71	22.71	22.71	22.71
OIL SALES	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL REVENUES	3,082		30	98	109	82	86	143	145	101	128	131	128	127	125	123	121
OPERATING EXPENSES																	
Lease Operating Expense	288	(20yr)	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Gathering Fees	425		12	27	22	20	19	19	18	17	17	16	16	15	15	14	14
Water Disposal Fees	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Depletion	360		10	23	18	17	16	16	15	15	14	14	13	13	13	12	12
Direct Taxes (Ad Val + Sev)	242		2	6	8	6	6	11	12	8	10	10	10	10	10	10	10
TOTAL OPERATING EXPENSES			38	71	62	58	56	60	59	54	55	55	54	53	52	51	50
OPERATING PROFIT/PRETAX INC.			(8)	27	47	25	30	83	86	47	73	76	74	74	73	72	71
Income Taxes @ 25%			(2)	7	12	6	8	21	22	12	18	19	19	18	18	18	18
NET INCOME			(6)	20	35	18	23	62	65	35	54	57	56	55	55	54	53
Depreciation and Depletion			10	23	18	17	16	16	15	15	14	14	13	13	13	12	12
Deferred Taxes			69	(5)	(4)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(2)	(2)	(2)
Capital Expenditures	(360)	(360)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRE-TAX CASH FLOW		(360)	2	50	65	42	47	98	101	62	87	90	88	87	85	84	83
AFTER-TAX CASH FLOW		(360)	73	39	50	32	36	75	77	47	66	68	66	66	65	64	63
Cumulative A-T Cash Flow		(360)	(287)	(248)	(198)	(166)	(130)	(55)	21	69	134	202	269	334	399	463	525


Gas
ROSA UNIT | 15A | DAKOTA | WILLIAMS PRODUCTION COMP | 29
Water, bbl/mo
Oil, bbl/mo
Gas, mcf/mo
10000
1000
100
10
10000
1000
100
10
100000
10000
1000
100
Results
Qual DEFAULT
Ref 12/1/2001
Act 0.000000
Est 3730.264
Qref 3735.000
Qab 300.000
"b" 0.000000
De 3.000000
Yrs 82.831
Rem 1349565
Cum 337809.000
EUR 1687364
1999
2007
2015
2023
2031
2039
2047
2055
2063
2071
Year

Project: Rosa COM 148 Dakota Commerciality Determination

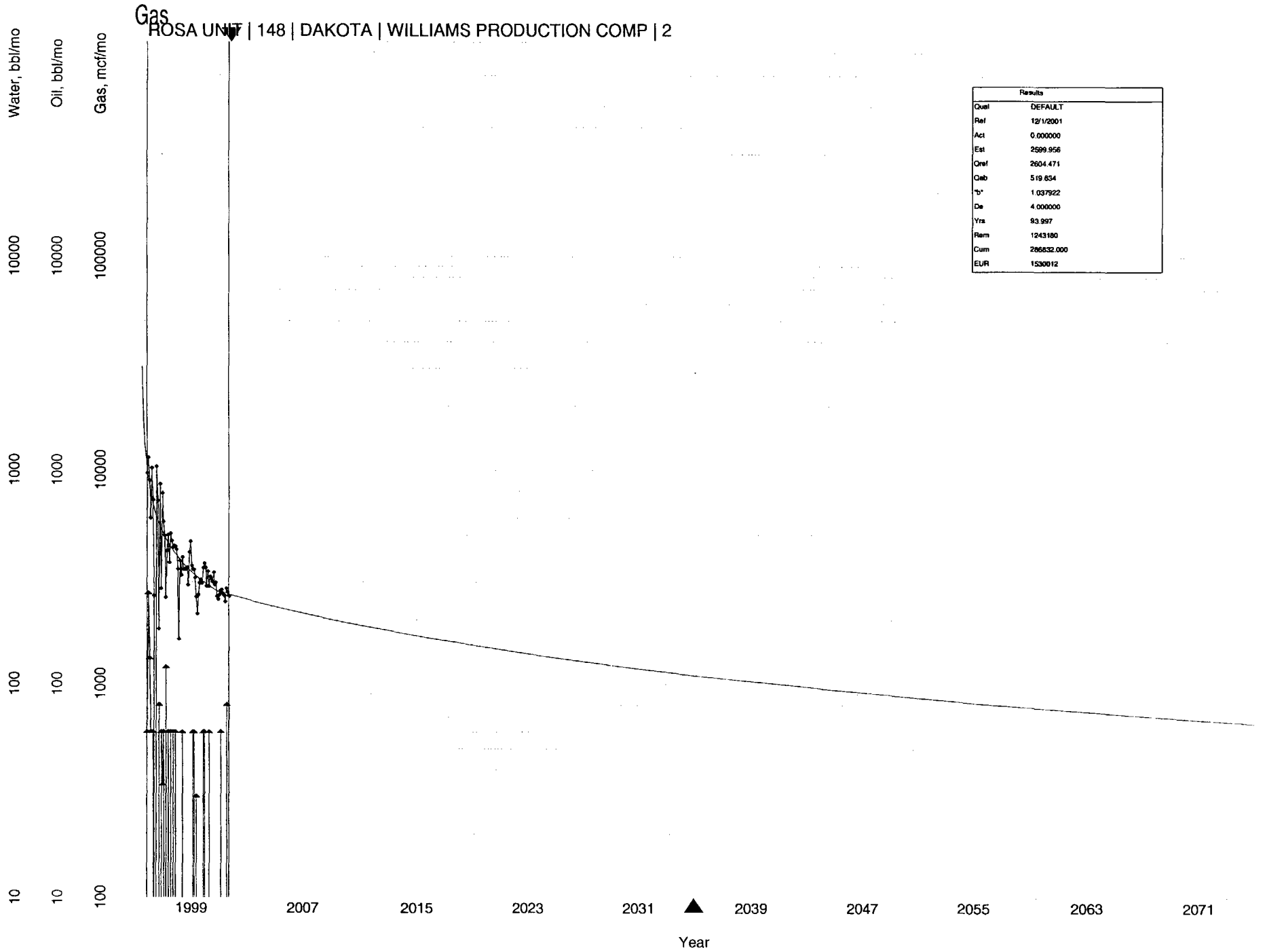
In $/thousand

Comments:

INPUTS - In blue areas only, costs in gross values								
Probability of Success	100.0%	O&M - M$/month	$1.00	Land / Buy-In (NET)		$0	POS Parameters	
WI: prior to casingpoint	100.00%	Gathering Fee - $/Mcf	$0.43	Dry Hole Cost (8/8ths)		$0	Source	100%
WI: casingpoint to comp	100.00%	Water Prod - bbls/d		Completion Cost (8/8ths)		$340	Reservoir	100%
WI: production BPO	100.00%	% Water Decline		Total		$340	Trap	100%
WI: production APO	100.00%	Water disp fee - $/bbl	$2.50	Direct Taxes	NM	9.12%	Timing	100%
NRI BPO	85.00%	Gas Price - $/Mcf	LRP SJ	Income Tax Rate	AMT	25%	Seal	100%
NRI APO	85.00%	IP Rate - MMcfd	0.465	Percent Tangible		21%	POS	100.0%
Net Gas NRI BPO	85.00%	% Volume Decline	65.0%	Financing Detail for 1040:				
Net Gas NRI APO	85.00%	Gas Differential		Percentage Financed		50%		
Net Oil NRI	85.00%	Btu value	1.000	Finance Rate		9.0%		
Payout Percent	100.0%	Oil Price - $/bbl	LRP SJ	IRR (after taxes and financing)		18.7%		
Volume Sensitivity	100.0%	bbls/MMcf	-	PV10 (after taxes and financing)		$147.1		
Gas price sensitivity	100.0%	Oil Differential	$0.00					
Oil price sensitivity	100.0%							

RESULTS			
Pre-Tax		After-Tax	
IRR	17.6%	IRR	16.4%
PV5	$522	PV5	$383
PV10	$213	PV10	$146
Gas Gross Reserves (BCF)			0.838
Net Risked Reserves (BCF)			0.7
Oil Gross Reserves (MBO)			-
Net Risked Reserves (MBO)			-
Gross Reserves (BCFE)			0.838
Net Risked Reserves (BCFE)			0.7
Capital Cost: $/Mcfe			$0.48
Number of years to payback			6.16

INCOME STATEMENT	totals	Year 0	1996 Year 1	1997 Year 2	1998 Year 3	1999 Year 4	2000 Year 5	2001 Year 6	2002 Year 7	2003 Year 8	2004 Year 9	2005 Year 10	2006 Year 11	2007 Year 12	2008 Year 13	2009 Year 14	2010 Year 15
MMcfd			0.058	0.202	0.146	0.114	0.102	0.099	0.092	0.090	0.087	0.084	0.080	0.078	0.075	0.073	0.070
Production Decline			65%	-248%	28%	22%	11%	2%	8%	1%	4%	4%	4%	3%	3%	3%	3%
Gross Production - MMcf	646.54	(20yr)	21.168	73.640	53.375	41.598	37.080	36.289	33.448	32.971	31.679	30.486	29.381	28.354	27.398	26.506	25.671
Net Risked Production - MMcf	712		18	63	45	35	32	31	28	28	27	26	25	24	23	23	22
Gas Price			1.66	2.32	1.86	2.06	3.53	3.75	2.69	3.52	3.70	3.73	3.81	3.87	3.93	3.99	3.94
GAS SALES	2,419		30	145	84	73	111	116	77	99	100	97	95	93	91	90	86
Production Decline																	
Gross Production - Mbbls	0.00	(20yr)	-		0	0	0	0	0	0	0	0	0	0	0	0	0
Net Risked Production - Mbbls	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil Price			27.90	25.00	23.00	20.70	21.74	22.82	23.62	21.00	21.84	22.71	22.71	22.71	22.71	22.71	22.71
OIL SALES	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL REVENUES	2,419		30	145	84	73	111	116	77	99	100	97	95	93	91	90	86
OPERATING EXPENSES																	
Lease Operating Expense	240	(20yr)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Gathering Fees	306		8	27	20	15	14	13	12	12	12	11	11	10	10	10	9
Water Disposal Fees	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Depletion	340		9	30	22	17	15	15	14	13	13	12	12	12	11	11	10
Direct Taxes (Ad Val + Sev)	193		2	11	6	5	9	9	6	8	8	8	8	8	7	7	7
TOTAL OPERATING EXPENSES			30	80	59	49	50	49	44	45	44	43	42	41	41	40	39
OPERATING PROFIT/PRETAX INC.			(0)	66	25	23	62	66	33	53	55	53	53	52	51	50	47
Income Taxes @ 25%			(0)	16	6	6	15	17	8	13	14	13	13	13	13	13	12
NET INCOME			(0)	49	19	18	46	50	25	40	41	40	40	39	38	38	35
Depreciation and Depletion			9	30	22	17	15	15	14	13	13	12	12	12	11	11	10
Deferred Taxes			65	(6)	(4)	(3)	(3)	(3)	(3)	(3)	(3)	(2)	(2)	(2)	(2)	(2)	(2)
Capital Expenditures	(340)	(340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRE-TAX CASH FLOW		(340)	8	96	47	40	77	81	46	67	68	66	65	63	62	61	58
AFTER-TAX CASH FLOW		(340)	74	73	36	31	58	62	36	51	52	50	49	48	47	46	44
Cumulative A-T Cash Flow		(340)	(266)	(193)	(157)	(126)	(67)	(6)	30	81	132	182	232	280	327	373	417


Gas
ROSA UNIT | 148 | DAKOTA | WILLIAMS PRODUCTION COMP | 2
Water, bbl/mo
Oil, bbl/mo
Gas, mcf/mo
10000
1000
100
10
10000
1000
100
10
100000
10000
1000
100
Results
Qual DEFAULT
Ref 12/1/2001
Act 0.000000
Est 2599.956
Qref 2604.471
Qab 519.634
"b" 1.037922
De 4.000000
Yrs 93.997
Rem 1243180
Cum 286832.000
EUR 1530012
1999
2007
2015
2023
2031
2039
2047
2055
2063
2071
Year

Project: Rosa 30 Dakota Commerciality Determination

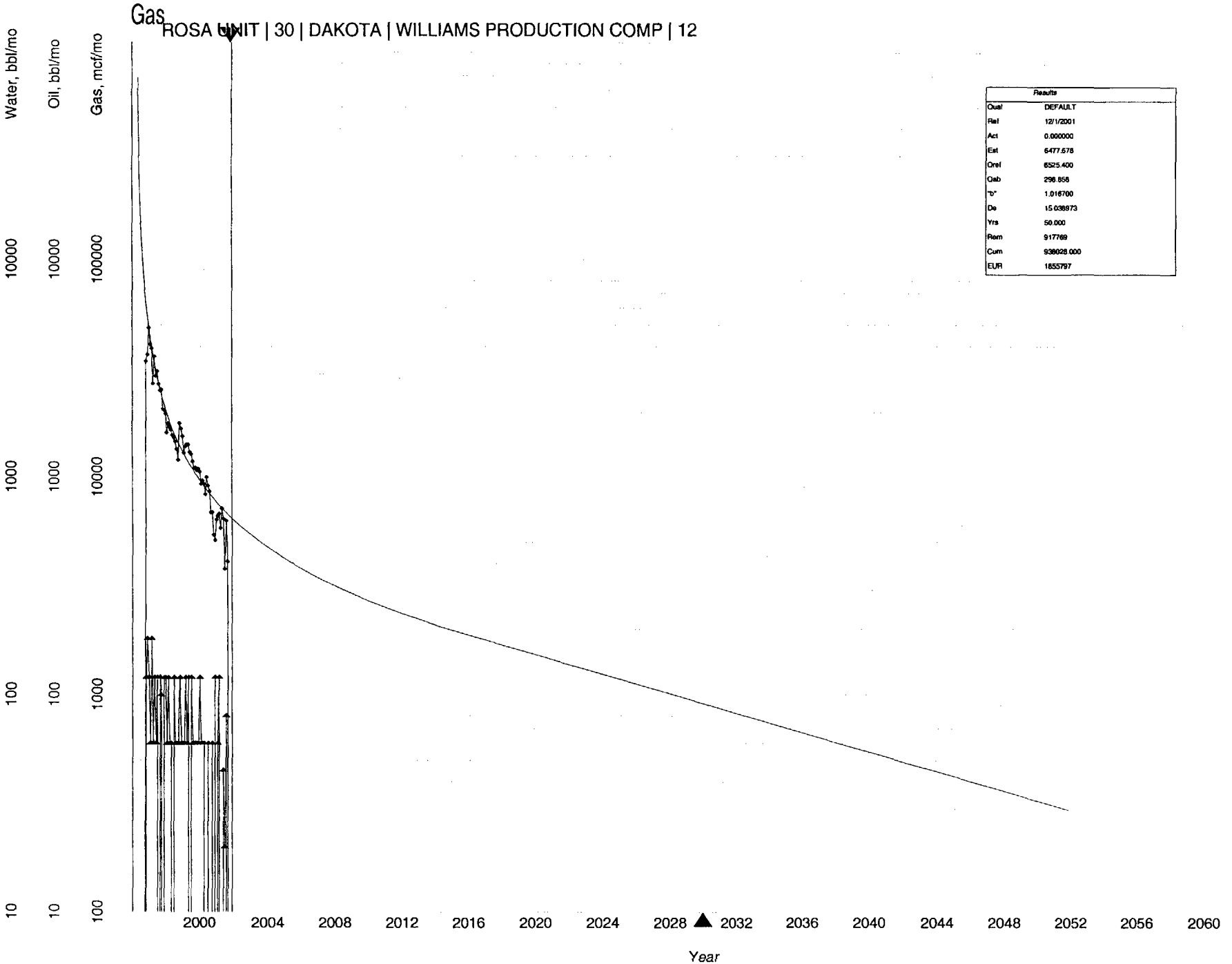
In $/thousand

Comments:

INPUTS - In blue areas only, costs in gross values								
Probability of Success	100.0%	O&M - M$/month	$1.50	Land / Buy-In (NET)		$0	POS Parameters	
WI: prior to casingpoint	100.00%	Gathering Fee - $/Mcf	$0.43	Dry Hole Cost (8/8ths)		$0	Source	100%
WI: casingpoint to comp	100.00%	Water Prod - bbls/d		Completion Cost (8/8ths)		$380	Reservoir	100%
WI: production BPO	100.00%	% Water Decline		Total		$380	Trap	100%
WI: production APO	100.00%	Water disp fee - $/bbl	$2.50	Direct Taxes	NM	9.12%	Timing	100%
NRI BPO	85.00%	Gas Price - $/Mcf	LRP SJ	Income Tax Rate	AMT	25%	Seal	100%
NRI APO	85.00%	IP Rate - MMcfd	1.200	Percent Tangible		21%	POS	100.0%
Net Gas NRI BPO	85.00%	% Volume Decline	65.0%	Financing Detail for 1040:				
Net Gas NRI APO	85.00%	Gas Differential		Percentage Financed		50%		
Net Oil NRI	85.00%	Btu value	1.000	Finance Rate		9.0%		
Payout Percent	100.0%	Oil Price - $/bbl	LRP SJ	IRR (after taxes and financing)		105.1%		
Volume Sensitivity	100.0%	bbls/MMcf	-	PV10 (after taxes and financing)		$784.9		
Gas price sensitivity	100.0%	Oil Differential	$0.00					
Oil price sensitivity	100.0%							

RESULTS			
Pre-Tax		After-Tax	
IRR	72.4%	IRR	63.7%
PV5	$1,505	PV5	$1,121
PV10	$1,061	PV10	$784
Gas Gross Reserves (BCF)			1.667
Net Risked Reserves (BCF)			1.4
Oil Gross Reserves (MBO)			-
Net Risked Reserves (MBO)			-
Gross Reserves (BCFE)			1.667
Net Risked Reserves (BCFE)			1.4
Capital Cost: $/Mcfe			$0.27
Number of years to payback			1.67

INCOME STATEMENT	totals	Year 0	1996 Year 1	1997 Year 2	1998 Year 3	1999 Year 4	2000 Year 5	2001 Year 6	2002 Year 7	2003 Year 8	2004 Year 9	2005 Year 10	2006 Year 11	2007 Year 12	2008 Year 13	2009 Year 14	2010 Year 15
MMcfd			0.194	1.014	0.528	0.416	0.271	0.196	0.198	0.170	0.149	0.133	0.120	0.109	0.100	0.093	0.086
Production Decline			65%	-422%	48%	21%	35%	28%	-1%	14%	12%	11%	10%	9%	8%	8%	7%
Gross Production - MMcf	1509.19	(20yr)	70.950	370.260	192.678	151.997	99.021	71.434	72.094	61.986	54.382	48.453	43.698	39.799	36.544	33.785	31.416
Net Risked Production - MMcf	1,417		60	315	164	129	84	61	61	53	46	41	37	34	31	29	27
Gas Price			1.66	2.32	1.86	2.06	3.53	3.75	2.69	3.52	3.70	3.73	3.81	3.87	3.93	3.99	3.94
GAS SALES	4,180		100	730	305	266	297	228	165	185	171	154	142	131	122	114	105
Production Decline																	
Gross Production - Mbbls	0.00	(20yr)	-		0	0	0	0	0	0	0	0	0	0	0	0	0
Net Risked Production - Mbbls	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil Price			27.90	25.00	23.00	20.70	21.74	22.82	23.62	21.00	21.84	22.71	22.71	22.71	22.71	22.71	22.71
OIL SALES	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL REVENUES	4,180		100	730	305	266	297	228	165	185	171	154	142	131	122	114	105
OPERATING EXPENSES																	
Lease Operating Expense	360	(20yr)	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Gathering Fees	609		26	135	70	56	36	26	26	23	20	18	16	15	13	12	11
Water Disposal Fees	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Depletion	380		16	84	44	35	23	16	16	14	12	11	10	9	8	8	7
Direct Taxes (Ad Val + Sev)	326		7	54	21	19	24	18	13	15	14	12	11	11	10	9	9
TOTAL OPERATING EXPENSES			67	292	154	127	101	79	73	70	64	59	55	52	50	47	45
OPERATING PROFIT/PRETAX INC.			33	438	151	139	197	149	92	116	107	95	86	79	72	67	60
Income Taxes @ 25%			8	110	38	35	49	37	23	29	27	24	22	20	18	17	15
NET INCOME			25	329	113	104	147	112	69	87	80	71	65	59	54	50	45
Depreciation and Depletion			16	84	44	35	23	16	16	14	12	11	10	9	8	8	7
Deferred Taxes			72	(17)	(9)	(7)	(4)	(3)	(3)	(3)	(2)	(2)	(2)	(2)	(2)	(2)	(1)
Capital Expenditures	(380)	(380)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRE-TAX CASH FLOW		(380)	49	523	195	173	219	165	108	130	119	106	96	88	81	75	67
AFTER-TAX CASH FLOW		(380)	113	396	148	132	166	125	82	98	90	80	73	66	61	57	51
Cumulative A-T Cash Flow		(380)	(267)	129	278	410	575	700	782	880	970	1,050	1,123	1,189	1,250	1,306	1,357


Gas
ROSA UNIT | 30 | DAKOTA | WILLIAMS PRODUCTION COMP | 12
Water, bbl/mo
Oil, bbl/mo
Gas, mcf/mo
10000
1000
100
10
10000
1000
100
10
100000
10000
1000
100
Results
Qual DEFAULT
Rel 12/1/2001
Act 0.000000
Est 6477.578
Qref 6525.400
Qab 296.856
"b" 1.016700
De 15.038973
Yrs 50.000
Rem 917769
Cum 938028.000
EUR 1855797
2000
2004
2008
2012
2016
2020
2024
2028
2032
2036
2040
2044
2048
2052
2056
2060
Year

Project: Rosa 159 Dakota Commerciality Determination

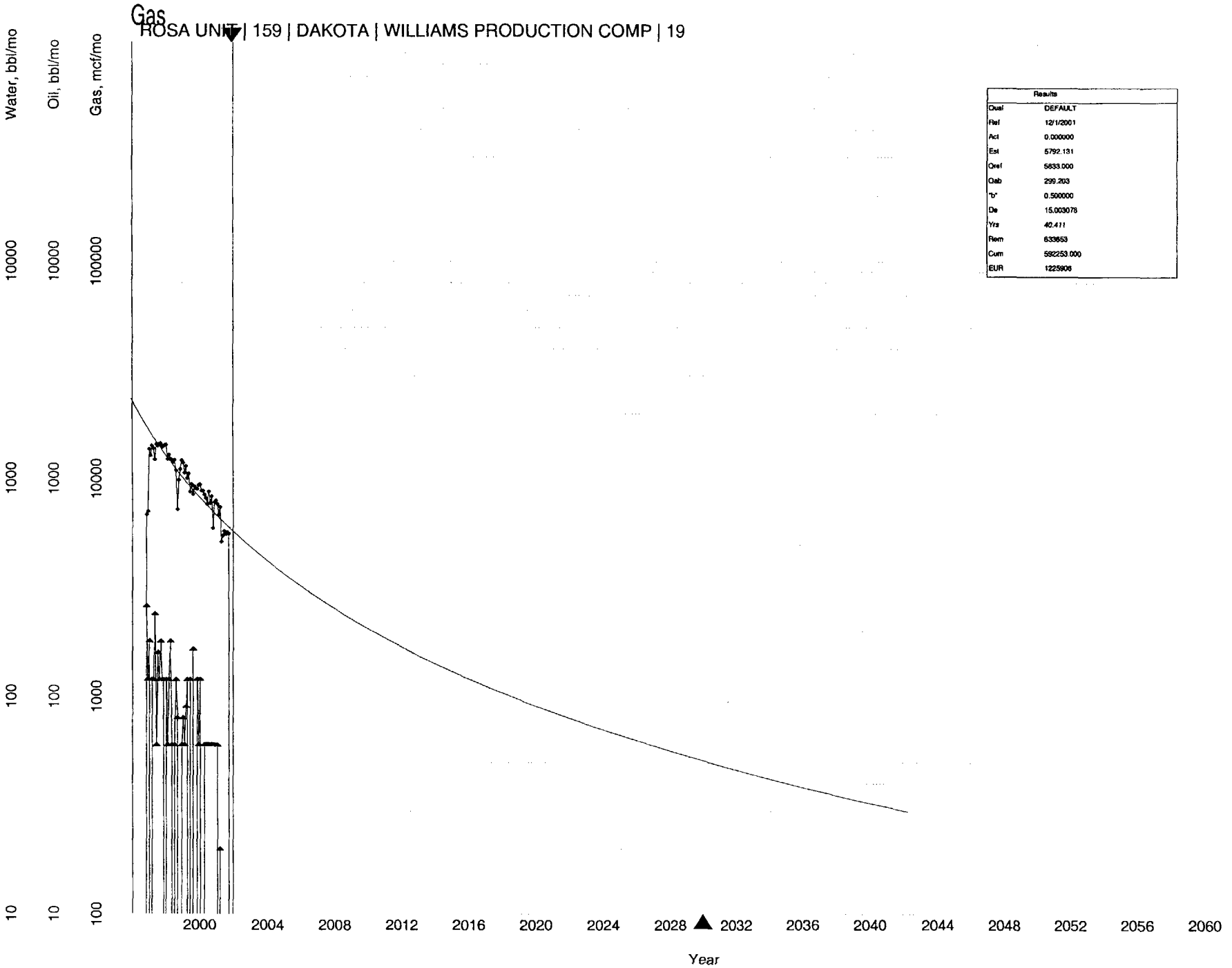
In $/thousand

Comments:

INPUTS - In blue areas only, costs in gross values								
Probability of Success	100.0%	O&M - M$/month	$1.50	Land / Buy-In (NET)		$0	POS Parameters	
WI: prior to casingpoint	100.00%	Gathering Fee - $/Mcf	$0.43	Dry Hole Cost (8/8ths)		$0	Source	100%
WI: casingpoint to comp	100.00%	Water Prod - bbls/d		Completion Cost (8/8ths)		$380	Reservoir	100%
WI: production BPO	100.00%	% Water Decline		Total		$380	Trap	100%
WI: production APO	100.00%	Water disp fee - $/bbl	$2.50	Direct Taxes	NM	9.12%	Timing	100%
NRI BPO	85.00%	Gas Price - $/Mcf	LRP SJ	Income Tax Rate	AMT	25%	Seal	100%
NRI APO	85.00%	IP Rate - MMcfd	1.200	Percent Tangible		21%	POS	100.0%
Net Gas NRI BPO	85.00%	% Volume Decline	65.0%	Financing Detail for 1040:				
Net Gas NRI APO	85.00%	Gas Differential		Percentage Financed		50%		
Net Oil NRI	85.00%	Btu value	1.000	Finance Rate		9.0%		
Payout Percent	100.0%	Oil Price - $/bbl	LRP SJ	IRR (after taxes and financing)		33.9%		
Volume Sensitivity	100.0%	bbls/MMcf	-	PV10 (after taxes and financing)		$358.3		
Gas price sensitivity	100.0%	Oil Differential	$0.00					
Oil price sensitivity	100.0%							

RESULTS			
Pre-Tax		After-Tax	
IRR	36.2%	IRR	26.6%
PV5	$914	PV5	$604
PV10	$589	PV10	$357
Gas Gross Reserves (BCF)			1.172
Net Risked Reserves (BCF)			1.0
Oil Gross Reserves (MBO)			-
Net Risked Reserves (MBO)			-
Gross Reserves (BCFE)			1.172
Net Risked Reserves (BCFE)			1.0
Capital Cost: $/Mcfe			$0.38
Number of years to payback			4.02

INCOME STATEMENT	totals	Year 0	1996 Year 1	1997 Year 2	1998 Year 3	1999 Year 4	2000 Year 5	2001 Year 6	2002 Year 7	2003 Year 8	2004 Year 9	2005 Year 10	2006 Year 11	2007 Year 12	2008 Year 13	2009 Year 14	2010 Year 15
MMcfd			0.038	0.458	0.383	0.323	0.268	0.204	0.177	0.151	0.131	0.114	0.101	0.089	0.080	0.072	0.065
Production Decline			65%	-1100%	16%	16%	17%	24%	13%	14%	14%	13%	12%	11%	11%	10%	10%
Gross Production - MMcf	1059.97	(20yr)	13.944	167.268	139.930	118.030	97.803	74.589	64.532	55.186	47.734	41.696	36.735	32.61	29.143	26.2	23.682
Net Risked Production - MMcf	996		12	142	119	100	83	63	55	47	41	35	31	28	25	22	20
Gas Price			1.66	2.32	1.86	2.06	3.53	3.75	2.69	3.52	3.70	3.73	3.81	3.87	3.93	3.99	3.94
GAS SALES	3,075		20	330	221	207	293	238	148	165	150	132	119	107	97	89	79
Production Decline																	
Gross Production - Mbbls	0.00	(20yr)	-		0	0	0	0	0	0	0	0	0	0	0	0	0
Net Risked Production - Mbbls	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil Price			27.90	25.00	23.00	20.70	21.74	22.82	23.62	21.00	21.84	22.71	22.71	22.71	22.71	22.71	22.71
OIL SALES	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL REVENUES	3,075		20	330	221	207	293	238	148	165	150	132	119	107	97	89	79
OPERATING EXPENSES																	
Lease Operating Expense	360	(20yr)	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Gathering Fees	428		5	61	51	43	36	27	24	20	17	15	13	12	11	10	9
Water Disposal Fees	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Depletion	380		5	54	45	38	32	24	21	18	15	14	12	11	9	8	8
Direct Taxes (Ad Val + Sev)	241		1	25	16	15	24	19	11	13	12	11	10	9	8	7	6
TOTAL OPERATING EXPENSES			29	158	130	114	109	89	74	69	63	57	53	49	46	43	41
OPERATING PROFIT/PRETAX INC.			(9)	172	91	92	185	149	74	96	87	75	66	58	51	45	38
Income Taxes @ 25%			(2)	43	23	23	46	37	18	24	22	19	17	14	13	11	10
NET INCOME			(7)	129	68	69	138	112	55	72	65	56	50	43	38	34	29
Depreciation and Depletion			5	54	45	38	32	24	21	18	15	14	12	11	9	8	8
Deferred Taxes			74	(11)	(9)	(8)	(6)	(5)	(4)	(4)	(3)	(3)	(2)	(2)	(2)	(2)	(2)
Capital Expenditures	(380)	(380)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRE-TAX CASH FLOW		(380)	-	226	137	131	216	173	95	114	103	88	78	69	61	54	46
AFTER-TAX CASH FLOW		(380)	-	173	105	100	164	131	72	86	78	67	59	52	46	41	35
Cumulative A-T Cash Flow		(380)	(380)	(207)	(103)	(3)	161	292	365	451	528	595	655	707	753	794	829

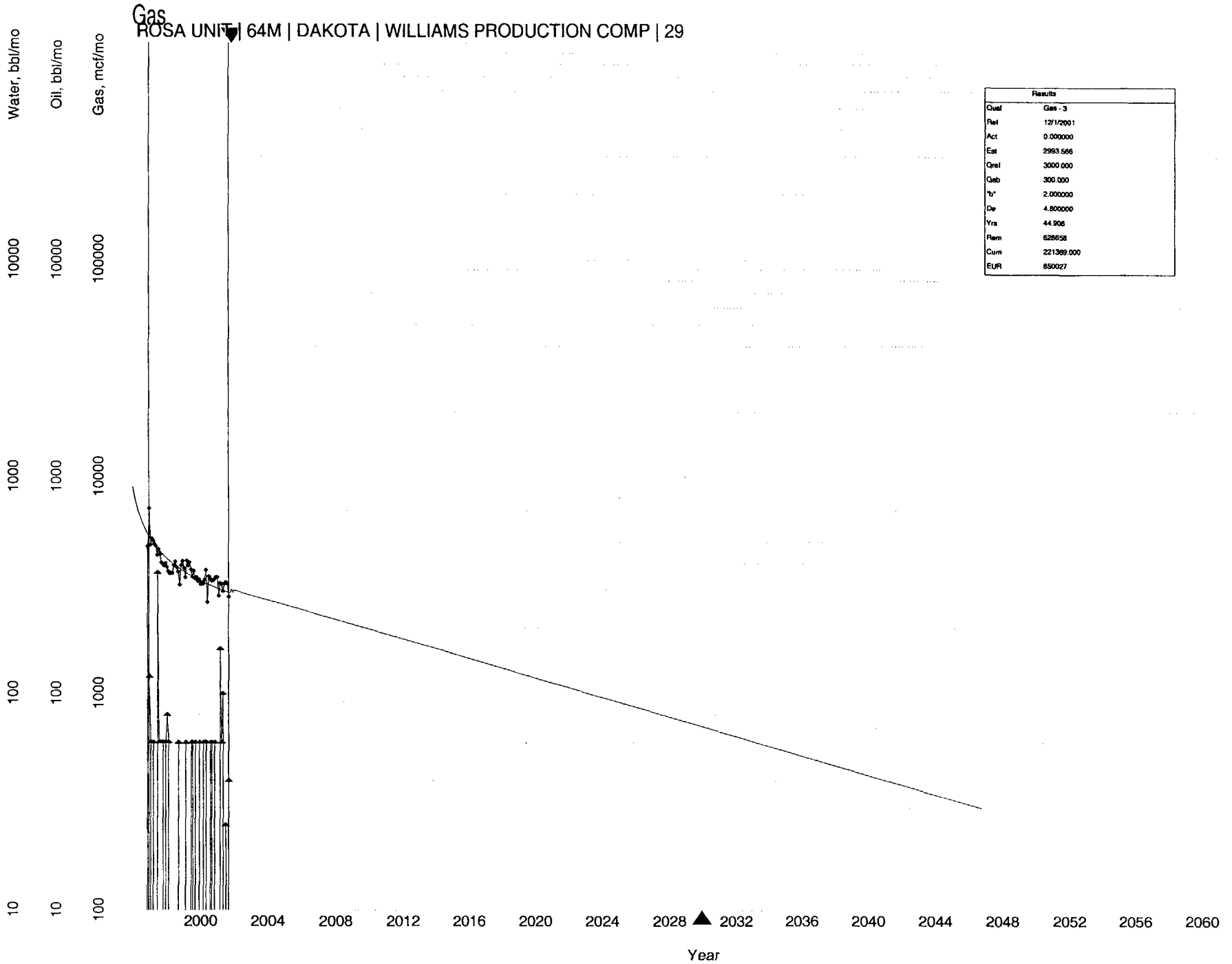

Gas
ROSA UNIT | 159 | DAKOTA | WILLIAMS PRODUCTION COMP | 19
Water, bbl/mo
Oil, bbl/mo
Gas, mcf/mo
10000
1000
100
10
10000
1000
100
10
100000
10000
1000
100
2000
2004
2008
2012
2016
2020
2024
2028
2032
2036
2040
2044
2048
2052
2056
2060
Year
Results
Qual DEFAULT
Ref 12/1/2001
Act 0.000000
Est 5792.131
Qref 5833.000
Qab 299.203
"b" 0.500000
De 15.003078
Yrs 40.411
Rem 633653
Cum 592253.000
EUR 1225906

Project: Rosa 64M Dakota Commerciality Determination

Comments:

INPUTS - In blue areas only, costs in gross values						
Probability of Success	100.0%	O&M - M$/month	$1.00	Land / Buy-In (NET)		$0
WI: prior to casingpoint	100.00%	Gathering Fee - $/Mcf	$0.43	Dry Hole Cost (8/8ths)		$0
WI: casingpoint to comp	100.00%	Water Prod - bbls/d		Completion Cost (8/8ths)		$330
WI: production BPO	100.00%	% Water Decline		Total		$330
WI: production APO	100.00%	Water disp fee - $/bbl	$2.50	Direct Taxes	NM	9.12%
NRI BPO	85.00%	Gas Price - $/Mcf	LRP SJ	Income Tax Rate	AMT	25%
NRI APO	85.00%	IP Rate - MMcfd	0.200	Percent Tangible		21%
Net Gas NRI BPO	85.00%	% Volume Decline	65.0%	Financing Detail for 1040:		
Net Gas NRI APO	85.00%	Gas Differential		Percentage Financed		50%
Net Oil NRI	85.00%	Btu value	1.000	Finance Rate		9.0%
Payout Percent	100.0%	Oil Price - $/bbl	LRP SJ	IRR (after taxes and financing)		12.2%
Volume Sensitivity	100.0%	bbls/MMcf	-	PV10 (after taxes and financing)		$44.7
Gas price sensitivity	100.0%	Oil Differential	$0.00			
Oil price sensitivity	100.0%					

			1996	1997	1998	1999	2000
INCOME STATEMENT	totals	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
MMcfd			0.033	0.148	0.123	0.119	0.108
Production Decline			65%	-352%	17%	3%	9%
Gross Production - MMcf	588.12	(20yr)	11.914	53.856	44.733	43.466	39.459
Net Risked Production - MMcf	611		10	46	38	37	34
Gas Price			1.66	2.32	1.86	2.06	3.53
GAS SALES	2,078		17	106	71	76	118
Production Decline							
Gross Production - Mbbls	0.00	(20yr)	-		0	0	0
Net Risked Production - Mbbls	-		-	-	-	-	-
Oil Price			27.90	25.00	23.00	20.70	21.74
OIL SALES	-		-	-	-	-	-
TOTAL REVENUES	2,078		17	106	71	76	118
OPERATING EXPENSES							
Lease Operating Expense	240	(20yr)	12	12	12	12	12
Gathering Fees	263		4	20	16	16	14
Water Disposal Fees	-		-	-	-	-	-
Depreciation and Depletion	330		5	25	21	20	18
Direct Taxes (Ad Val + Sev)	166		1	8	5	5	9
TOTAL OPERATING EXPENSES			23	64	54	53	54
OPERATING PROFIT/PRETAX INC.			(6)	42	17	23	64
Income Taxes @ 25%			(2)	10	4	6	16
NET INCOME			(5)	31	13	17	48
Depreciation and Depletion			5	25	21	20	18
Deferred Taxes			64	(5)	(4)	(4)	(4)
Capital Expenditures	(330)	(330)	-	-	-	-	-
PRE-TAX CASH FLOW		*(330)*	-	*67*	37	43	82
AFTER-TAX CASH FLOW		(330)	-	51	29	33	63
Cumulative A-T Cash Flow		(330)	(330)	(279)	(250)	(216)	(154)


Gas
ROSA UNIT | 64M | DAKOTA | WILLIAMS PRODUCTION COMP | 29
Water, bbl/mo
Oil, bbl/mo
Gas, mcf/mo
10000
1000
100
10
10000
1000
100
10
100000
10000
1000
100
Results
Qual Gas - 3
Ref 12/1/2001
Act 0.000000
Est 2993.566
Qrel 3000.000
Qab 300.000
"b" 2.000000
De 4.800000
Yrs 44.906
Rem 628658
Cum 221369.000
EUR 850027
2000
2004
2008
2012
2016
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2052
2056
2060
Year

Project: Rosa 26A Dakota Commerciality Determination

In $/thousand

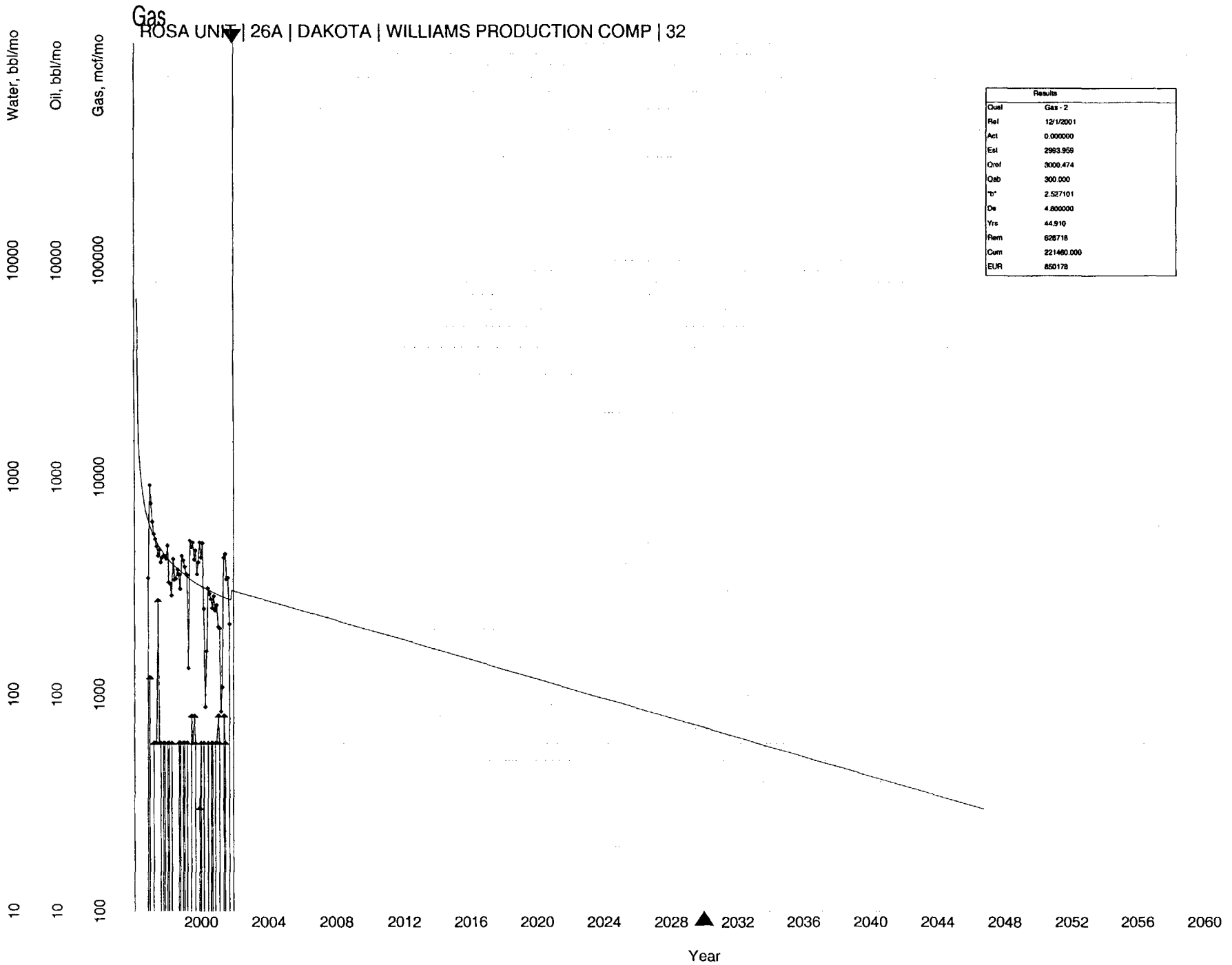
Rosa_Dakota_Commercial_Determinations_Econ_Model v2.xls
5/29/2002

Comments:

INPUTS - In blue areas only, costs in gross values								
Probability of Success	100.0%	O&M - M$/month	$1.00	Land / Buy-In (NET)		$0	POS Parameters	
WI: prior to casingpoint	100.00%	Gathering Fee - $/Mcf	$0.43	Dry Hole Cost (8/8ths)		$0	Source	100%
WI: casingpoint to comp	100.00%	Water Prod - bbls/d		Completion Cost (8/8ths)		$320	Reservoir	100%
WI: production BPO	100.00%	% Water Decline		Total		$320	Trap	100%
WI: production APO	100.00%	Water disp fee - $/bbl	$2.50	Direct Taxes	NM	9.12%	Timing	100%
NRI BPO	85.00%	Gas Price - $/Mcf	LRP SJ	Income Tax Rate	AMT	25%	Seal	100%
NRI APO	85.00%	IP Rate - MMcfd	0.200	Percent Tangible		21%	POS	100.0%
Net Gas NRI BPO	85.00%	% Volume Decline	65.0%	Financing Detail for 1040:				
Net Gas NRI APO	85.00%	Gas Differential		Percentage Financed		50%		
Net Oil NRI	85.00%	Btu value	1.000	Finance Rate		9.0%		
Payout Percent	100.0%	Oil Price - $/bbl	LRP SJ	IRR (after taxes and financing)		10.6%		
Volume Sensitivity	100.0%	bbls/MMcf	-	PV10 (after taxes and financing)		$11.2		
Gas price sensitivity	100.0%	Oil Differential	$0.00					
Oil price sensitivity	100.0%							

RESULTS			
Pre-Tax		After-Tax	
IRR	14.7%	IRR	10.5%
PV5	$322	PV5	$171
PV10	$111	PV10	$10
Gas Gross Reserves (BCF)			0.644
Net Risked Reserves (BCF)			0.5
Oil Gross Reserves (MBO)			-
Net Risked Reserves (MBO)			-
Gross Reserves (BCFE)			0.644
Net Risked Reserves (BCFE)			0.5
Capital Cost: $/Mcfe			$0.58
Number of years to payback			> 8 yrs

INCOME STATEMENT	totals	Year 0	1996 Year 1	1997 Year 2	1998 Year 3	1999 Year 4	2000 Year 5	2001 Year 6	2002 Year 7	2003 Year 8	2004 Year 9	2005 Year 10	2006 Year 11	2007 Year 12	2008 Year 13	2009 Year 14	2010 Year 15
MMcfd			0.034	0.163	0.120	0.133	0.091	0.091	0.083	0.077	0.072	0.068	0.064	0.061	0.058	0.055	0.052
Production Decline			65%	-372%	26%	-11%	32%	0%	9%	7%	6%	6%	5%	5%	5%	5%	5%
Gross Production - MMcf	529.00	(20yr)	12.592	59.440	43.972	48.620	33.236	33.296	30.349	28.116	26.296	24.776	23.471	22.29	21.175	20.116	19.111
Net Risked Production - MMcf	548		11	51	37	41	28	28	26	24	22	21	20	19	18	17	16
Gas Price			1.66	2.32	1.86	2.06	3.53	3.75	2.69	3.52	3.70	3.73	3.81	3.87	3.93	3.99	3.94
GAS SALES	1,823		18	117	70	85	100	106	69	84	83	79	76	73	71	68	64
Production Decline																	
Gross Production - Mbbls	0.00	(20yr)	-		0	0	0	0	0	0	0	0	0	0	0	0	0
Net Risked Production - Mbbls	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil Price			27.90	25.00	23.00	20.70	21.74	22.82	23.62	21.00	21.84	22.71	22.71	22.71	22.71	22.71	22.71
OIL SALES	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL REVENUES	1,823		18	117	70	85	100	106	69	84	83	79	76	73	71	68	64
OPERATING EXPENSES																	
Lease Operating Expense	240	(20yr)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Gathering Fees	235		5	22	16	18	12	12	11	10	10	9	9	8	8	7	7
Water Disposal Fees	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Depletion	320		6	30	22	24	17	17	15	14	13	12	12	11	11	10	9
Direct Taxes (Ad Val + Sev)	145		1	9	5	6	8	9	5	7	7	6	6	6	6	6	5
TOTAL OPERATING EXPENSES			24	72	55	60	49	49	43	43	41	40	38	37	36	35	34
OPERATING PROFIT/PRETAX INC.			(6)	45	15	25	51	57	26	41	41	39	38	36	35	33	30
Income Taxes @ 25%			(2)	11	4	6	13	14	6	10	10	10	9	9	9	8	8
NET INCOME			(5)	34	11	19	38	43	19	31	31	29	28	27	26	25	23
Depreciation and Depletion			6	30	22	24	17	17	15	14	13	12	12	11	11	10	9
Deferred Taxes			62	(6)	(4)	(5)	(3)	(3)	(3)	(3)	(3)	(2)	(2)	(2)	(2)	(2)	(2)
Capital Expenditures	(320)	(320)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRE-TAX CASH FLOW		(320)	-	75	37	49	68	73	41	55	54	51	49	47	45	43	40
AFTER-TAX CASH FLOW		(320)	-	58	29	38	52	56	32	42	42	39	38	36	34	33	30
Cumulative A-T Cash Flow		(320)	(320)	(262)	(234)	(196)	(144)	(88)	(57)	(15)	27	66	104	140	174	207	237


Gas
ROSA UNIT | 26A | DAKOTA | WILLIAMS PRODUCTION COMP | 32
Water, bbl/mo
Oil, bbl/mo
Gas, mcf/mo
10000
1000
100
10
10000
1000
100
10
100000
10000
1000
100
Results
Qual Gas - 2
Ref 12/1/2001
Act 0.000000
Est 2993.959
Qref 3000.474
Qab 300.000
"b" 2.527101
De 4.800000
Yrs 44.910
Rem 628718
Cum 221460.000
EUR 850178
2000
2004
2008
2012
2016
2020
2024
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2060
Year

Project: Rosa 24A Dakota Commerciality Determination

In $/thousand

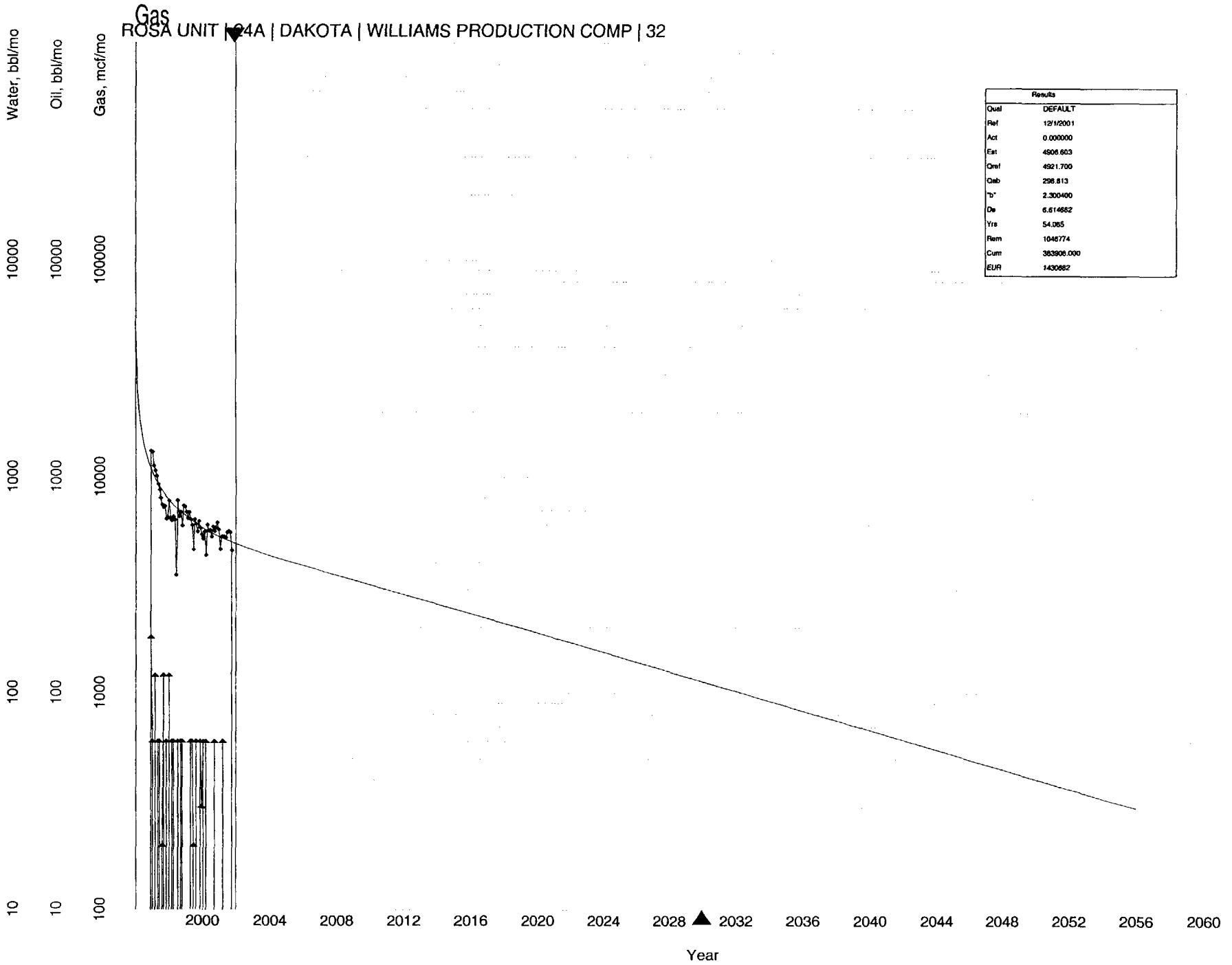
Rosa_Dakota_Commercial_Determinations_Econ_Model v2.xls
5/29/2002

Comments:

INPUTS - In blue areas only, costs in gross values								
Probability of Success	100.0%	O&M - M$/month	$1.20	Land / Buy-In (NET)		$0	POS Parameters	
WI: prior to casingpoint	100.00%	Gathering Fee - $/Mcf	$0.43	Dry Hole Cost (8/8ths)		$0	Source	100%
WI: casingpoint to comp	100.00%	Water Prod - bbls/d		Completion Cost (8/8ths)		$380	Reservoir	100%
WI: production BPO	100.00%	% Water Decline		Total		$380	Trap	100%
WI: production APO	100.00%	Water disp fee - $/bbl	$2.50	Direct Taxes	NM	9.12%	Timing	100%
NRI BPO	85.00%	Gas Price - $/Mcf	LRP SJ	Income Tax Rate	AMT	25%	Seal	100%
NRI APO	85.00%	IP Rate - MMcfd	0.200	Percent Tangible		21%	POS	100.0%
Net Gas NRI BPO	85.00%	% Volume Decline	65.0%	Financing Detail for 1040:				
Net Gas NRI APO	85.00%	Gas Differential		Percentage Financed		50%		
Net Oil NRI	85.00%	Btu value	1.000	Finance Rate		9.0%		
Payout Percent	100.0%	Oil Price - $/bbl	LRP SJ	IRR (after taxes and financing)		22.1%		
Volume Sensitivity	100.0%	bbls/MMcf	-	PV10 (after taxes and financing)		$280.7		
Gas price sensitivity	100.0%	Oil Differential	$0.00					
Oil price sensitivity	100.0%							

RESULTS			
Pre-Tax		After-Tax	
IRR	25.4%	IRR	19.3%
PV5	$924	PV5	$610
PV10	$488	PV10	$279
Gas Gross Reserves (BCF)			1.160
Net Risked Reserves (BCF)			1.0
Oil Gross Reserves (MBO)			-
Net Risked Reserves (MBO)			-
Gross Reserves (BCFE)			1.160
Net Risked Reserves (BCFE)			1.0
Capital Cost: $/Mcfe			$0.39
Number of years to payback			5.43

INCOME STATEMENT	totals	Year 0	1996 Year 1	1997 Year 2	1998 Year 3	1999 Year 4	2000 Year 5	2001 Year 6	2002 Year 7	2003 Year 8	2004 Year 9	2005 Year 10	2006 Year 11	2007 Year 12	2008 Year 13	2009 Year 14	2010 Year 15
MMcfd			0.036	0.291	0.215	0.198	0.183	0.171	0.156	0.147	0.139	0.132	0.125	0.119	0.113	0.107	0.102
Production Decline			65%	-702%	26%	8%	8%	6%	9%	6%	5%	5%	5%	5%	5%	5%	5%
Gross Production - MMcf	974.86	(20yr)	13.232	106.106	78.538	72.342	66.788	62.562	57.034	53.519	50.601	48.022	45.621	43.34	41.173	39.114	37.158
Net Risked Production - MMcf	986		11	90	67	61	57	53	48	45	43	41	39	37	35	33	32
Gas Price			1.66	2.32	1.86	2.06	3.53	3.75	2.69	3.52	3.70	3.73	3.81	3.87	3.93	3.99	3.94
GAS SALES	3,320		19	209	124	127	200	199	131	160	159	152	148	142	137	133	124
Production Decline																	
Gross Production - Mbbls	0.00	(20yr)	-		0	0	0	0	0	0	0	0	0	0	0	0	0
Net Risked Production - Mbbls	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil Price			27.90	25.00	23.00	20.70	21.74	22.82	23.62	21.00	21.84	22.71	22.71	22.71	22.71	22.71	22.71
OIL SALES	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL REVENUES	3,320		19	209	124	127	200	199	131	160	159	152	148	142	137	133	124
OPERATING EXPENSES																	
Lease Operating Expense	288	(20yr)	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Gathering Fees	424		5	39	29	26	24	23	21	20	18	18	17	16	15	14	14
Water Disposal Fees	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Depletion	380		4	35	26	24	22	20	19	18	17	16	15	14	13	13	12
Direct Taxes (Ad Val + Sev)	264		1	16	9	9	16	16	10	13	13	12	12	12	11	11	10
TOTAL OPERATING EXPENSES			25	103	78	74	77	74	64	64	62	60	58	56	54	52	50
OPERATING PROFIT/PRETAX INC.			(6)	106	47	53	124	126	67	96	97	92	90	86	83	80	74
Income Taxes @ 25%			(2)	26	12	13	31	31	17	24	24	23	22	22	21	20	19
NET INCOME			(5)	79	35	40	93	94	50	72	73	69	67	65	63	60	56
Depreciation and Depletion			4	35	26	24	22	20	19	18	17	16	15	14	13	13	12
Deferred Taxes			74	(7)	(5)	(5)	(4)	(4)	(4)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(2)
Capital Expenditures	(380)	(380)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRE-TAX CASH FLOW		(380)	-	141	72	77	146	146	85	113	113	108	105	101	97	93	86
AFTER-TAX CASH FLOW		(380)	-	107	56	59	110	111	65	86	86	82	79	76	73	70	65
Cumulative A-T Cash Flow		(380)	(380)	(273)	(217)	(158)	(48)	63	127	213	299	381	461	537	610	681	746


Gas
ROSA UNIT | 24A | DAKOTA | WILLIAMS PRODUCTION COMP | 32
Water, bbl/mo
Oil, bbl/mo
Gas, mcf/mo
10000
1000
100
10
10000
1000
100
10
100000
10000
1000
100
Results
Qual DEFAULT
Ref 12/1/2001
Act 0.000000
Est 4906.603
Qref 4921.700
Qab 298.813
"b" 2.300400
De 6.614682
Yrs 54.065
Rem 1046774
Cum 383908.000
EUR 1430682
2000
2004
2008
2012
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2020
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2060
Year

Project: Rosa 29M Dakota Commerciality Determination

In $/thousand

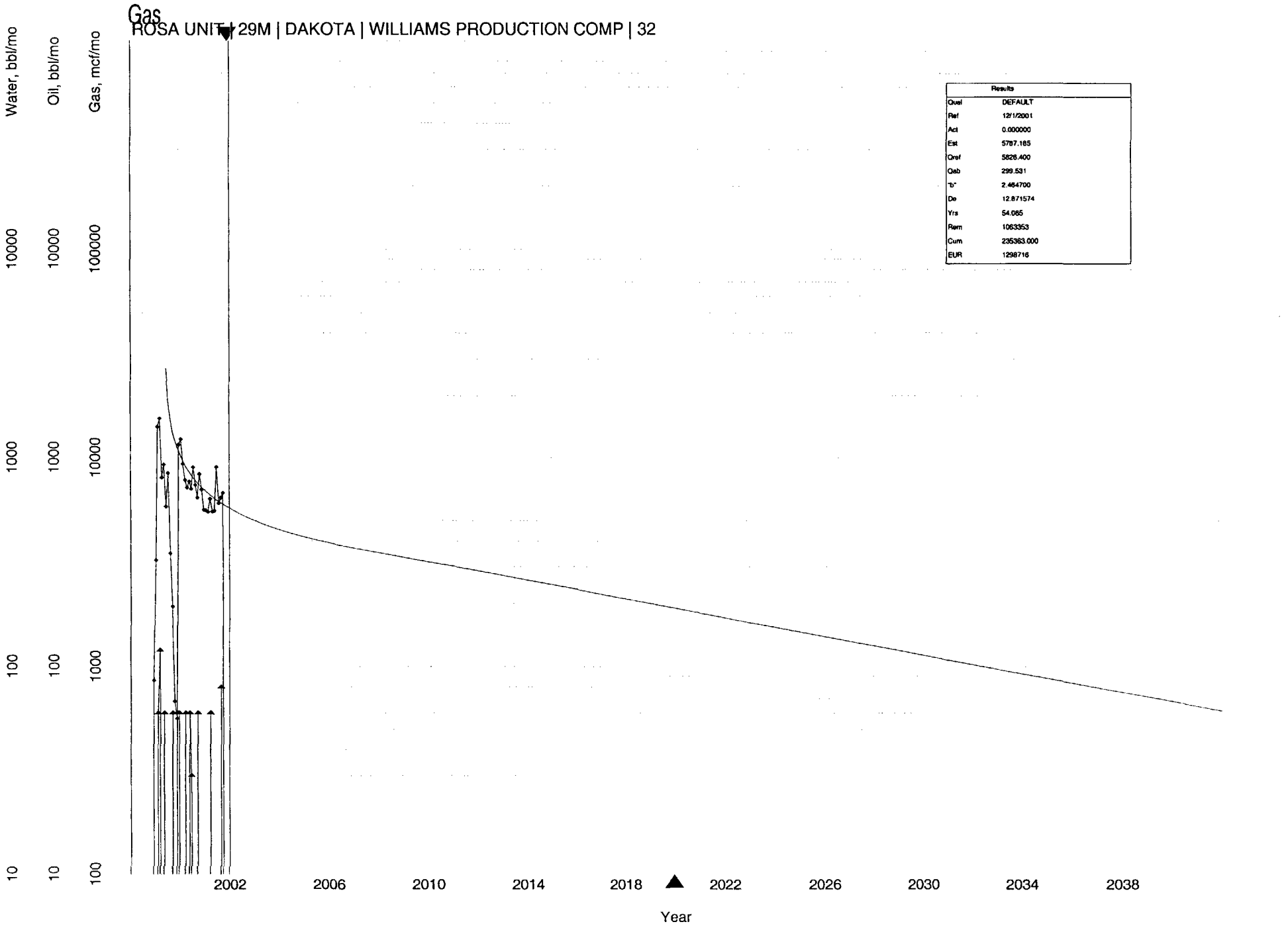
Rosa_Dakota_Commercial_Determinations_Econ_Model v2.xls
5/29/2002

Comments:

INPUTS - In blue areas only, costs in gross values								
Probability of Success	100.0%	O&M - M$/month	$1.20	Land / Buy-In (NET)		$0	POS Parameters	
WI: prior to casingpoint	100.00%	Gathering Fee - $/Mcf	$0.43	Dry Hole Cost (8/8ths)		$0	Source	100%
WI: casingpoint to comp	100.00%	Water Prod - bbls/d		Completion Cost (8/8ths)		$380	Reservoir	100%
WI: production BPO	100.00%	% Water Decline		Total		$380	Trap	100%
WI: production APO	100.00%	Water disp fee - $/bbl	$2.50	Direct Taxes	NM	9.12%	Timing	100%
NRI BPO	85.00%	Gas Price - $/Mcf	LRP SJ	Income Tax Rate	AMT	25%	Seal	100%
NRI APO	85.00%	IP Rate - MMcfd	0.200	Percent Tangible		21%	POS	100.0%
Net Gas NRI BPO	85.00%	% Volume Decline	65.0%	Financing Detail for 1040:				
Net Gas NRI APO	85.00%	Gas Differential		Percentage Financed		50%		
Net Oil NRI	85.00%	Btu value	1.000	Finance Rate		9.0%		
Payout Percent	100.0%	Oil Price - $/bbl	LRP SJ	IRR (after taxes and financing)		27.4%		
Volume Sensitivity	100.0%	bbls/MMcf	-	PV10 (after taxes and financing)		$353.0		
Gas price sensitivity	100.0%	Oil Differential	$0.00					
Oil price sensitivity	100.0%							

RESULTS			
Pre-Tax		After-Tax	
IRR	30.4%	IRR	22.8%
PV5	$1,032	PV5	$691
PV10	$584	PV10	$352
Gas Gross Reserves (BCF)			1.121
Net Risked Reserves (BCF)			1.0
Oil Gross Reserves (MBO)			-
Net Risked Reserves (MBO)			-
Gross Reserves (BCFE)			1.121
Net Risked Reserves (BCFE)			1.0
Capital Cost: $/Mcfe			$0.40
Number of years to payback			4.09

INCOME STATEMENT	totals		Year 0	1998 Year 1	1999 Year 2	2000 Year 3	2001 Year 4	2002 Year 5	2003 Year 6	2004 Year 7	2005 Year 8	2006 Year 9	2007 Year 10	2008 Year 11	2009 Year 12	2010 Year 13	2011 Year 14	2012 Year 15
MMcfd				0.002	0.226	0.260	0.217	0.178	0.158	0.144	0.134	0.126	0.119	0.113	0.107	0.102	0.097	0.092
Production Decline				65%	-9537%	-15%	17%	18%	11%	9%	7%	6%	5%	5%	5%	5%	5%	5%
Gross Production - MMcf	902.62		(20yr)	0.857	82.586	95.065	79.071	65.06	57.769	52.71	48.919	45.933	43.463	41.268	39.205	37.244	35.382	33.613
Net Risked Production - MMcf	953			1	70	81	67	55	49	45	42	39	37	35	33	32	30	29
Gas Price				1.86	2.06	3.53	3.75	2.69	3.52	3.70	3.73	3.81	3.87	3.93	3.99	3.94	3.94	3.94
GAS SALES	3,459			1	145	285	252	149	173	166	155	149	143	138	133	125	118	112
Production Decline																		
Gross Production - Mbbls	0.00		(20yr)	-		0	0	0	0	0	0	0	0	0	0	0	0	0
Net Risked Production - Mbbls	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil Price				27.90	25.00	23.00	20.70	21.74	22.82	23.62	21.00	21.84	22.71	22.71	22.71	22.71	22.71	22.71
OIL SALES	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL REVENUES	3,459			1	145	285	252	149	173	166	155	149	143	138	133	125	118	112
OPERATING EXPENSES																		
Lease Operating Expense	288	(20yr)		14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Gathering Fees	410			0	30	35	29	24	21	19	18	17	16	15	14	14	13	12
Water Disposal Fees	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Depletion	380			0	28	32	27	22	20	18	17	16	15	14	13	13	12	11
Direct Taxes (Ad Val + Sev)	278			0	10	23	20	11	14	13	13	12	12	11	11	10	10	9
TOTAL OPERATING EXPENSES				15	83	104	90	72	69	65	61	59	57	55	53	51	49	47
OPERATING PROFIT/PRETAX INC.				(14)	62	181	162	77	104	101	94	90	86	83	80	74	69	65
Income Taxes @ 25%				(3)	15	45	40	19	26	25	23	23	22	21	20	18	17	16
NET INCOME				(10)	46	136	121	58	78	76	70	68	65	62	60	55	52	49
Depreciation and Depletion				0	28	32	27	22	20	18	17	16	15	14	13	13	12	11
Deferred Taxes				75	(6)	(6)	(5)	(4)	(4)	(4)	(3)	(3)	(3)	(3)	(3)	(2)	(2)	(2)
Capital Expenditures	(380)		(380)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRE-TAX CASH FLOW			(380)	-	90	213	188	99	123	119	110	106	101	97	93	86	81	77
AFTER-TAX CASH FLOW			(380)	-	69	162	143	76	94	90	84	80	77	74	71	66	62	58
Cumulative A-T Cash Flow			(380)	(380)	(311)	(150)	(7)	69	162	252	336	416	493	566	637	702	764	822


Gas
ROSA UNIT | 29M | DAKOTA | WILLIAMS PRODUCTION COMP | 32
Water, bbl/mo
Oil, bbl/mo
Gas, mcf/mo
10000
1000
100
10
10000
1000
100
10
100000
10000
1000
100
Results
Qual DEFAULT
Ref 12/1/2001
Act 0.000000
Est 5787.185
Qref 5826.400
Qab 299.531
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Yrs 54.065
Rem 1063353
Cum 235363.000
EUR 1298716
2002
2006
2010
2014
2018
2022
2026
2030
2034
2038
Year

Project: Rosa 185 Dakota Commerciality Determination

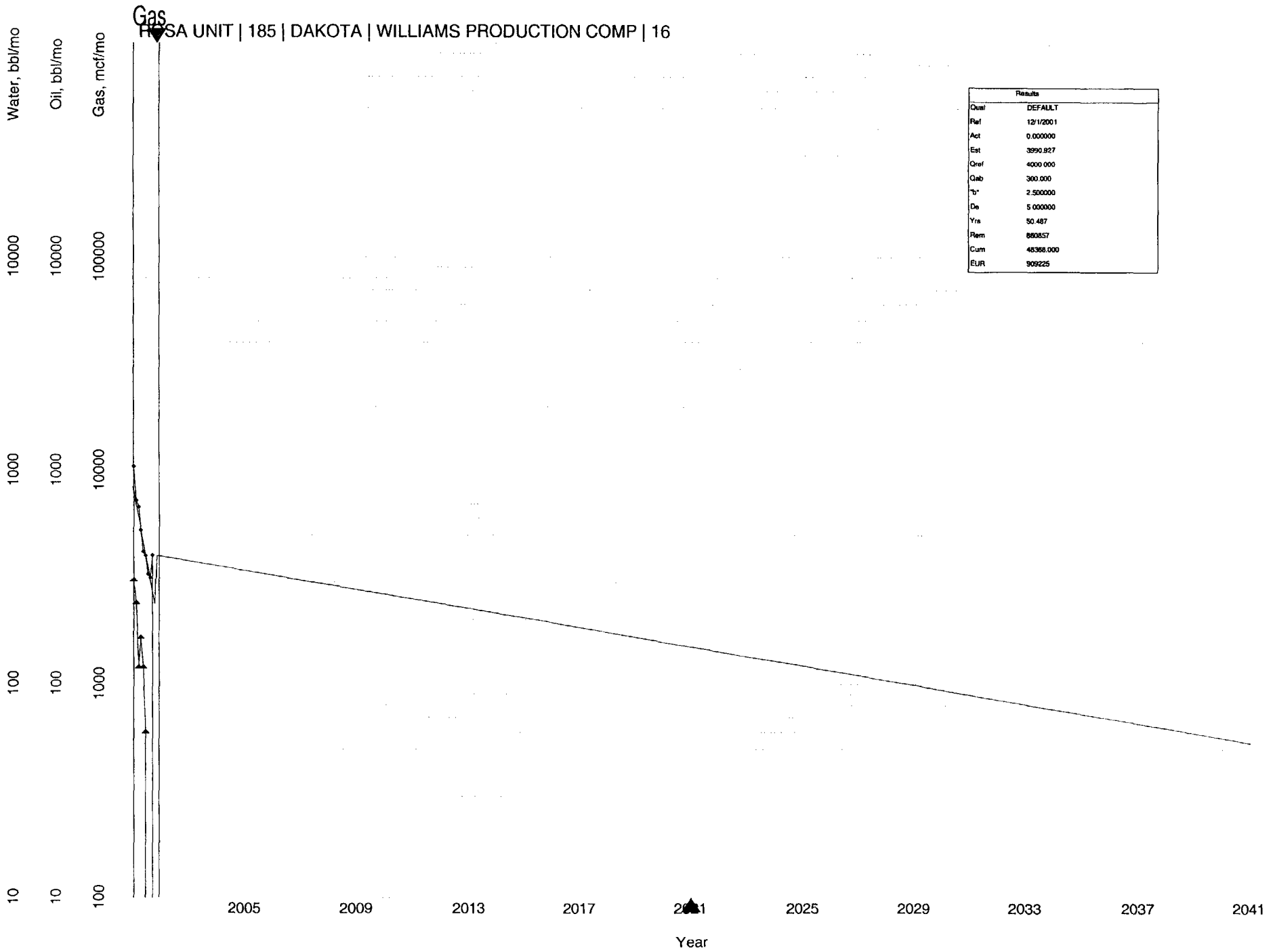
In $/thousand

Comments:

INPUTS - In blue areas only, costs in gross values								
Probability of Success	100.0%	O&M - M$/month	$1.00	Land / Buy-In (NET)		$0	POS Parameters	
WI: prior to casingpoint	100.00%	Gathering Fee - $/Mcf	$0.43	Dry Hole Cost (8/8ths)		$0	Source	100%
WI: casingpoint to comp	100.00%	Water Prod - bbls/d		Completion Cost (8/8ths)		$330	Reservoir	100%
WI: production BPO	100.00%	% Water Decline		Total		$330	Trap	100%
WI: production APO	100.00%	Water disp fee - $/bbl	$2.50	Direct Taxes	NM	9.12%	Timing	100%
NRI BPO	85.00%	Gas Price - $/Mcf	LRP SJ	Income Tax Rate	AMT	25%	Seal	100%
NRI APO	85.00%	IP Rate - MMcfd	0.200	Percent Tangible		21%	POS	100.0%
Net Gas NRI BPO	85.00%	% Volume Decline	65.0%	Financing Detail for 1040:				
Net Gas NRI APO	85.00%	Gas Differential		Percentage Financed		50%		
Net Oil NRI	85.00%	Btu value	1.000	Finance Rate		9.0%		
Payout Percent	100.0%	Oil Price - $/bbl	LRP SJ	IRR (after taxes and financing)		60.5%		
Volume Sensitivity	100.0%	bbls/MMcf	-	PV10 (after taxes and financing)		$348.8		
Gas price sensitivity	100.0%	Oil Differential	$0.00					
Oil price sensitivity	100.0%							

RESULTS			
Pre-Tax		After-Tax	
IRR	39.6%	IRR	34.7%
PV5	$818	PV5	$605
PV10	$481	PV10	$348
Gas Gross Reserves (BCF)			0.867
Net Risked Reserves (BCF)			0.7
Oil Gross Reserves (MBO)			-
Net Risked Reserves (MBO)			-
Gross Reserves (BCFE)			0.867
Net Risked Reserves (BCFE)			0.7
Capital Cost: $/Mcfe			$0.45
Number of years to payback			3.04

INCOME STATEMENT	totals	Year 0	2001 Year 1	2002 Year 2	2003 Year 3	2004 Year 4	2005 Year 5	2006 Year 6	2007 Year 7	2008 Year 8	2009 Year 9	2010 Year 10	2011 Year 11	2012 Year 12	2013 Year 13	2014 Year 14	2015 Year 15
MMcfd			0.207	0.128	0.121	0.115	0.109	0.104	0.099	0.094	0.089	0.085	0.080	0.076	0.073	0.069	0.065
Production Decline			65%	38%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
Gross Production - MMcf	655.37	(20yr)	75.573	46.643	44.224	42.013	39.912	37.917	36.021	34.22	32.509	30.884	29.339	27.872	26.479	25.155	23.897
Net Risked Production - MMcf	737		64	40	38	36	34	32	31	29	28	26	25	24	23	21	20
Gas Price			3.75	2.69	3.52	3.70	3.73	3.81	3.87	3.93	3.99	3.94	3.94	3.94	3.94	3.94	3.94
GAS SALES	2,804		241	107	132	132	127	123	118	114	110	103	98	93	89	84	80
Production Decline																	
Gross Production - Mbbls	0.00	(20yr)	-		0	0	0	0	0	0	0	0	0	0	0	0	0
Net Risked Production - Mbbls	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil Price			27.90	25.00	23.00	20.70	21.74	22.82	23.62	21.00	21.84	22.71	22.71	22.71	22.71	22.71	22.71
OIL SALES	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL REVENUES	2,804		241	107	132	132	127	123	118	114	110	103	98	93	89	84	80
OPERATING EXPENSES																	
Lease Operating Expense	240	(20yr)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Gathering Fees	317		28	17	16	15	15	14	13	13	12	11	11	10	10	9	9
Water Disposal Fees	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Depletion	330		29	18	17	16	15	14	14	13	12	12	11	11	10	10	9
Direct Taxes (Ad Val + Sev)	227		19	8	11	11	10	10	10	9	9	8	8	8	7	7	6
TOTAL OPERATING EXPENSES			88	55	56	54	52	50	48	47	45	43	42	40	39	38	36
OPERATING PROFIT/PRETAX INC.			153	52	77	78	75	73	70	67	65	60	56	53	50	47	44
Income Taxes @ 25%			*38*	*13*	*19*	*20*	*19*	*18*	*17*	*17*	*16*	*15*	*14*	*13*	*12*	*12*	*11*
NET INCOME			115	39	57	59	56	55	52	51	49	45	42	40	37	35	33
Depreciation and Depletion			29	18	17	16	15	14	14	13	12	12	11	11	10	10	9
Deferred Taxes			59	(4)	(3)	(3)	(3)	(3)	(3)	(3)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Capital Expenditures	(330)	(330)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRE-TAX CASH FLOW		(330)	182	70	93	94	90	87	84	80	77	72	67	63	60	56	53
AFTER-TAX CASH FLOW		(330)	203	53	71	71	68	66	63	61	59	54	51	48	45	43	40
Cumulative A-T Cash Flow		(330)	(127)	(74)	(3)	69	137	203	266	327	386	440	491	540	585	628	668


Gas
RASA UNIT | 185 | DAKOTA | WILLIAMS PRODUCTION COMP | 16
Water, bbl/mo
Oil, bbl/mo
Gas, mcf/mo
10000
1000
100
10
10000
1000
100
10
100000
10000
1000
100
Results
Qual DEFAULT
Ref 12/1/2001
Act 0.000000
Est 3990.927
Qref 4000.000
Qab 300.000
"b" 2.500000
De 5.000000
Yrs 50.487
Rem 860857
Cum 48368.000
EUR 909225
2005
2009
2013
2017
2021
2025
2029
2033
2037
2041
Year

Project: Rosa 185A Dakota Commerciality Determination

In $/thousand

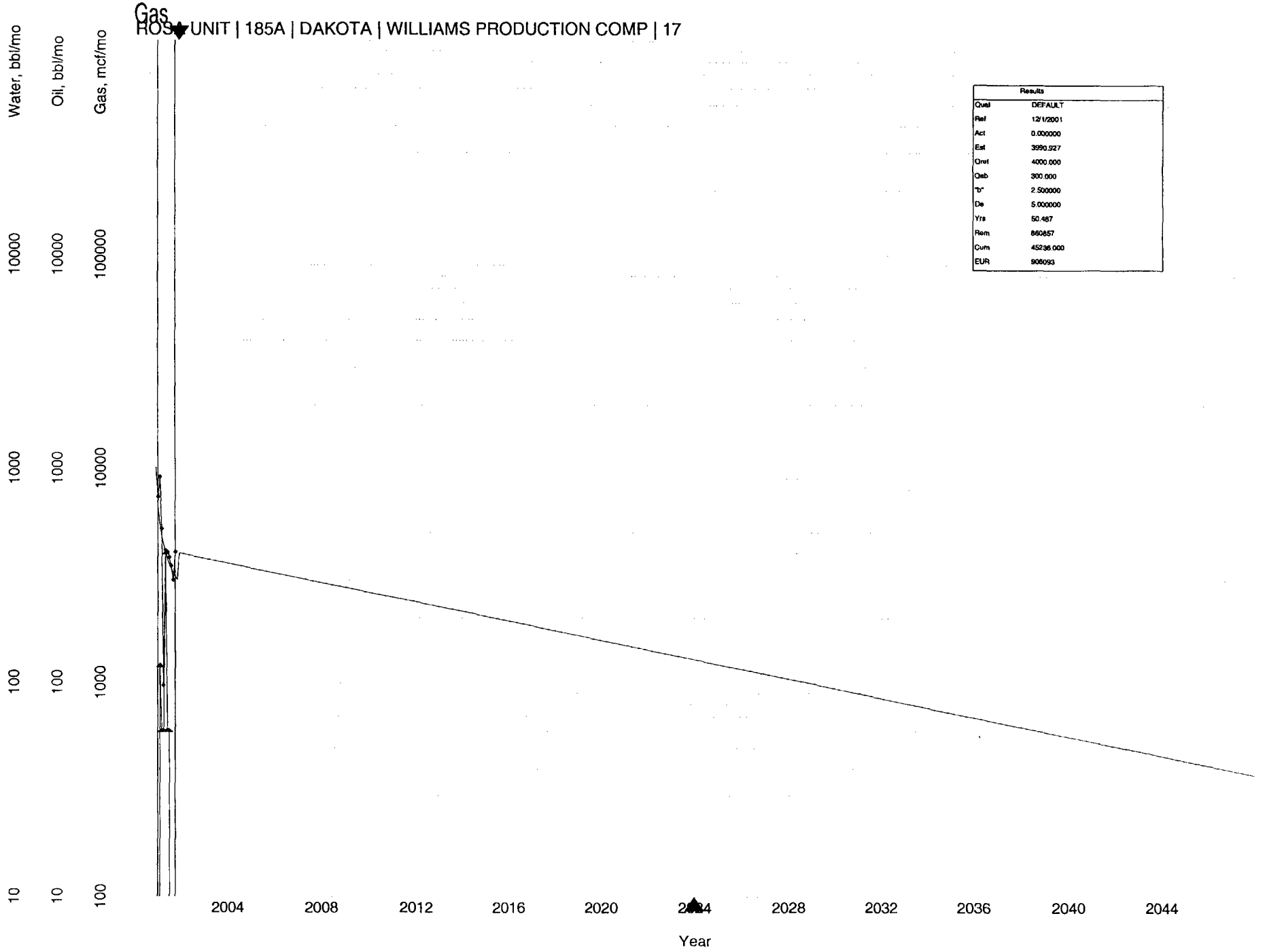
Rosa_Dakota_Commercial_Determinations_Econ_Model v2.xls
5/29/2002

Comments:

INPUTS - in blue areas only, costs in gross values								
Probability of Success	100.0%	O&M - M$/month	$1.00	Land / Buy-In (NET)		$0	POS Parameters	
WI: prior to casingpoint	100.00%	Gathering Fee - $/Mcf	$0.43	Dry Hole Cost (8/8ths)		$0	Source	100%
WI: casingpoint to comp	100.00%	Water Prod - bbls/d		Completion Cost (8/8ths)		$310	Reservoir	100%
WI: production BPO	100.00%	% Water Decline		Total		$310	Trap	100%
WI: production APO	100.00%	Water disp fee - $/bbl	$2.50	Direct Taxes	NM	9.12%	Timing	100%
NRI BPO	85.00%	Gas Price - $/Mcf	LRP SJ	Income Tax Rate	AMT	25%	Seal	100%
NRI APO	85.00%	IP Rate - MMcfd	0.200	Percent Tangible		21%	POS	100.0%
Net Gas NRI BPO	85.00%	% Volume Decline	65.0%	Financing Detail for 1040:				
Net Gas NRI APO	85.00%	Gas Differential		Percentage Financed		50%		
Net Oil NRI	85.00%	Btu value	1.000	Finance Rate		9.0%		
Payout Percent	100.0%	Oil Price - $/bbl	LRP SJ	IRR (after taxes and financing)		30.3%		
Volume Sensitivity	100.0%	bbls/MMcf	-	PV10 (after taxes and financing)		$265.3		
Gas price sensitivity	100.0%	Oil Differential	$0.00					
Oil price sensitivity	100.0%							

RESULTS			
Pre-Tax		After-Tax	
IRR	25.9%	IRR	23.8%
PV5	$697	PV5	$515
PV10	$369	PV10	$264
Gas Gross Reserves (BCF)			0.797
Net Risked Reserves (BCF)			0.7
Oil Gross Reserves (MBO)			-
Net Risked Reserves (MBO)			-
Gross Reserves (BCFE)			0.797
Net Risked Reserves (BCFE)			0.7
Capital Cost: $/Mcfe			$0.46
Number of years to payback			4.40

INCOME STATEMENT	totals	Year 0	2000 Year 1	2001 Year 2	2002 Year 3	2003 Year 4	2004 Year 5	2005 Year 6	2006 Year 7	2007 Year 8	2008 Year 9	2009 Year 10	2010 Year 11	2011 Year 12	2012 Year 13	2013 Year 14	2014 Year 15
MMcfd			0.020	0.142	0.128	0.121	0.115	0.109	0.104	0.099	0.094	0.089	0.085	0.080	0.076	0.073	0.069
Production Decline			65%	-602%	10%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
Gross Production - MMcf	620.42	(20yr)	7.369	51.745	46.643	44.224	42.013	39.912	37.917	36.021	34.22	32.509	30.884	29.339	27.872	26.479	25.155
Net Risked Production - MMcf	677		6	44	40	38	36	34	32	31	29	28	26	25	24	23	21
Gas Price			3.53	3.75	2.69	3.52	3.70	3.73	3.81	3.87	3.93	3.99	3.94	3.94	3.94	3.94	3.94
GAS SALES	2,571		22	165	107	132	132	127	123	118	114	110	103	98	93	89	84
Production Decline																	
Gross Production - Mbbls	0.00	(20yr)	-		0	0	0	0	0	0	0	0	0	0	0	0	0
Net Risked Production - Mbbls	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil Price			27.90	25.00	23.00	20.70	21.74	22.82	23.62	21.00	21.84	22.71	22.71	22.71	22.71	22.71	22.71
OIL SALES	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL REVENUES	2,571		22	165	107	132	132	127	123	118	114	110	103	98	93	89	84
OPERATING EXPENSES																	
Lease Operating Expense	240	(20yr)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Gathering Fees	291		3	19	17	16	15	15	14	13	13	12	11	11	10	10	9
Water Disposal Fees	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Depletion	310		3	20	18	17	16	16	15	14	13	13	12	11	11	10	10
Direct Taxes (Ad Val + Sev)	208		2	13	8	11	11	10	10	10	9	9	8	8	8	7	7
TOTAL OPERATING EXPENSES			19	64	55	56	54	52	51	49	47	45	44	42	41	39	38
OPERATING PROFIT/PRETAX INC.			3	101	51	76	78	74	72	70	67	65	60	56	53	49	46
Income Taxes @ 25%			1	25	13	19	19	19	18	17	17	16	15	14	13	12	12
NET INCOME			2	75	39	57	58	56	54	52	50	49	45	42	39	37	35
Depreciation and Depletion			3	20	18	17	16	16	15	14	13	13	12	11	11	10	10
Deferred Taxes			61	(4)	(4)	(3)	(3)	(3)	(3)	(3)	(3)	(2)	(2)	(2)	(2)	(2)	(2)
Capital Expenditures	(310)	(310)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRE-TAX CASH FLOW		(310)	6	121	70	93	94	90	87	84	80	77	72	67	63	60	56
AFTER-TAX CASH FLOW		(310)	66	92	53	71	71	68	66	63	61	59	54	51	48	45	43
Cumulative A-T Cash Flow		(310)	(244)	(153)	(100)	(29)	43	111	177	241	302	360	415	466	514	559	602


Gas
ROSA UNIT | 185A | DAKOTA | WILLIAMS PRODUCTION COMP | 17
Water, bbl/mo
Oil, bbl/mo
Gas, mcf/mo
10000
1000
100
10
10000
1000
100
10
100000
10000
1000
100
Results
Qual DEFAULT
Rel 12/1/2001
Act 0.000000
Est 3990.927
Qret 4000.000
Qeb 300.000
"b" 2.500000
De 5.000000
Yrs 50.487
Rem 860857
Cum 45236.000
EUR 906093
2004
2008
2012
2016
2020
2024
2028
2032
2036
2040
2044
Year

Project: Rosa 9A Dakota Commerciality Determination

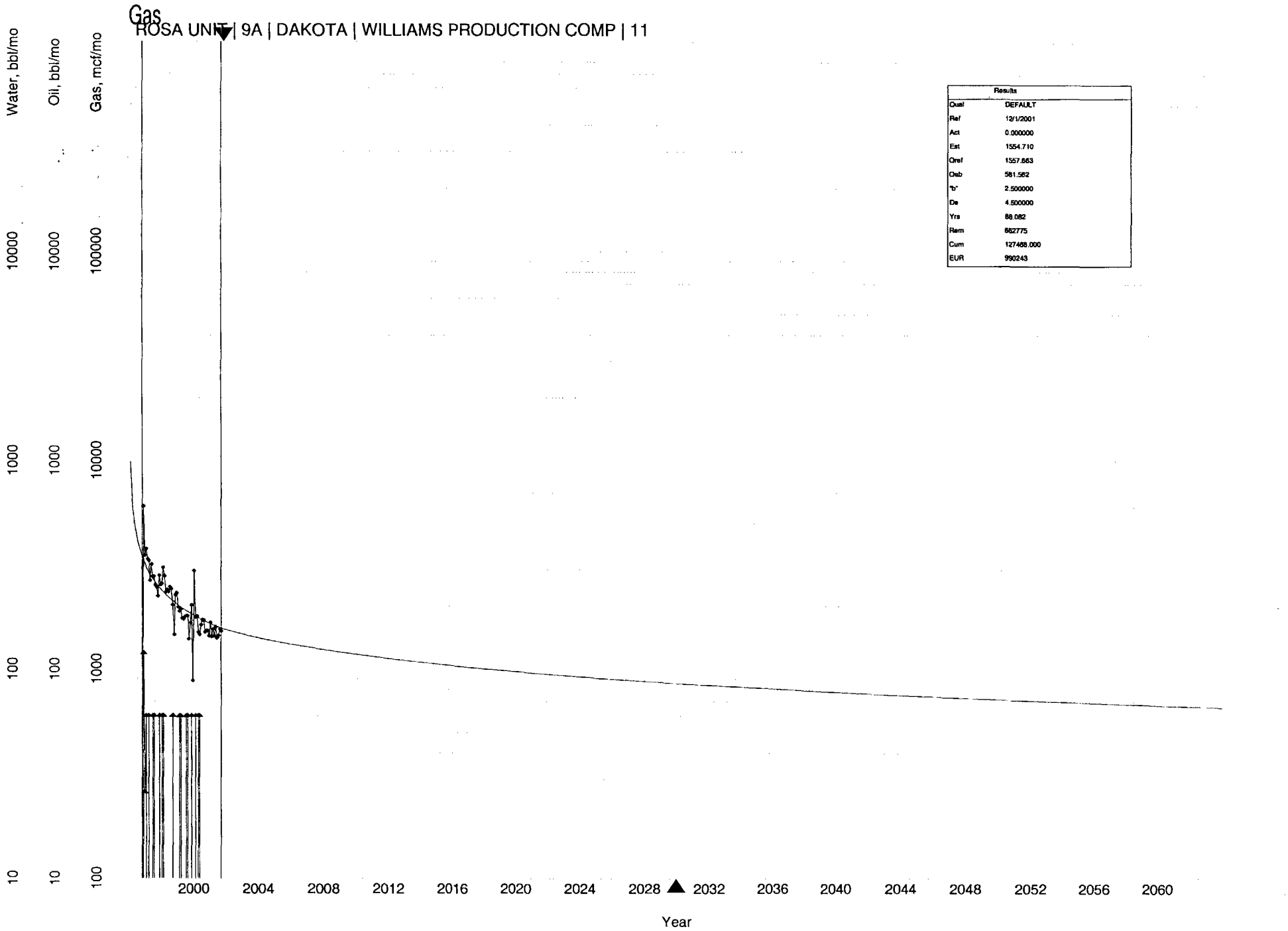
In $/thousand

Comments:

INPUTS - In blue areas only, costs in gross values								
Probability of Success	100.0%	O&M - M$/month	$1.00	Land / Buy-In (NET)		$0	PQS Parameters	
WI: prior to casingpoint	100.00%	Gathering Fee - $/Mcf	$0.43	Dry Hole Cost (8/8ths)		$0	Source	100%
WI: casingpoint to comp	100.00%	Water Prod - bbls/d		Completion Cost (8/8ths)		$320	Reservoir	100%
WI: production BPO	100.00%	% Water Decline		Total		$320	Trap	100%
WI: production APO	100.00%	Water disp fee - $/bbl	$2.50	Direct Taxes	NM	9.12%	Timing	100%
NRI BPO	85.00%	Gas Price - $/Mcf	LRP SJ	Income Tax Rate	AMT	25%	Seal	100%
NRI APO	85.00%	IP Rate - MMcfd	0.202	Percent Tangible		21%	POS	100.0%
Net Gas NRI BPO	85.00%	% Volume Decline	65.0%	Financing Detail for 1040:				
Net Gas NRI APO	85.00%	Gas Differential		Percentage Financed		50%		
Net Oil NRI	85.00%	Btu value	1.000	Finance Rate		9.0%		
Payout Percent	100.0%	Oil Price - $/bbl	LRP SJ	IRR (after taxes and financing)		3.4%		
Volume Sensitivity	100.0%	bbls/MMcf	-	PV10 (after taxes and financing)		($134.6)		
Gas price sensitivity	100.0%	Oil Differential	$0.00					
Oil price sensitivity	100.0%							

RESULTS			
Pre-Tax		After-Tax	
IRR	6.6%	IRR	4.2%
PV5	$57	PV5	($28)
PV10	($83)	PV10	($136)
Gas Gross Reserves (BCF)			0.453
Net Risked Reserves (BCF)			0.4
Oil Gross Reserves (MBO)			-
Net Risked Reserves (MBO)			-
Gross Reserves (BCFE)			0.453
Net Risked Reserves (BCFE)			0.4
Capital Cost: $/Mcfe			$0.83
Number of years to payback			> 8 yrs

INCOME STATEMENT	totals	Year 0	1996 Year 1	1997 Year 2	1998 Year 3	1999 Year 4	2000 Year 5	2001 Year 6	2002 Year 7	2003 Year 8	2004 Year 9	2005 Year 10	2006 Year 11	2007 Year 12	2008 Year 13	2009 Year 14	2010 Year 15
MMcfd			0.026	0.094	0.078	0.057	0.056	0.049	0.050	0.048	0.046	0.044	0.043	0.042	0.041	0.039	0.039
Production Decline			65%	-258%	17%	27%	0%	13%	-2%	4%	4%	4%	3%	3%	3%	3%	2%
Gross Production - MMcf	340.54	(20yr)	9.621	34.418	28.438	20.710	20.616	17.834	18.262	17.483	16.81	16.219	15.695	15.226	14.802	14.417	14.065
Net Risked Production - MMcf	385		8	29	24	18	18	15	16	15	14	14	13	13	13	12	12
Gas Price			1.66	2.32	1.86	2.06	3.53	3.75	2.69	3.52	3.70	3.73	3.81	3.87	3.93	3.99	3.94
GAS SALES	1,323		14	68	45	36	62	57	42	52	53	51	51	50	49	49	47
Production Decline																	
Gross Production - Mbbls	0.00	(20yr)	-		0	0	0	0	0	0	0	0	0	0	0	0	0
Net Risked Production - Mbbls	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil Price			27.90	25.00	23.00	20.70	21.74	22.82	23.62	21.00	21.84	22.71	22.71	22.71	22.71	22.71	22.71
OIL SALES	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL REVENUES	1,323		14	68	45	36	62	57	42	52	53	51	51	50	49	49	47
OPERATING EXPENSES																	
Lease Operating Expense	240	(20yr)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Gathering Fees	166		4	13	10	8	8	7	7	6	6	6	6	6	5	5	5
Water Disposal Fees	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Depletion	320		7	24	20	15	15	13	13	12	12	11	11	11	10	10	10
Direct Taxes (Ad Val + Sev)	106		1	5	3	3	5	5	3	4	4	4	4	4	4	4	4
TOTAL OPERATING EXPENSES			23	54	46	37	39	36	35	35	34	34	33	32	32	31	31
OPERATING PROFIT/PRETAX INC.			(10)	14	(1)	(1)	23	21	7	17	19	18	18	18	18	17	16
Income Taxes @ 25%			(2)	3	(0)	(0)	6	5	2	4	5	4	4	4	4	4	4
NET INCOME			(7)	10	(1)	(0)	17	16	5	13	14	13	13	13	13	13	12
Depreciation and Depletion			7	24	20	15	15	13	13	12	12	11	11	11	10	10	10
Deferred Taxes			62	(5)	(4)	(3)	(3)	(2)	(3)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Capital Expenditures	(320)	(320)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRE-TAX CASH FLOW		(320)	-	38	19	14	37	34	20	30	30	29	29	28	28	28	26
AFTER-TAX CASH FLOW		(320)	-	30	16	11	29	26	16	23	23	23	22	22	22	21	20
Cumulative A-T Cash Flow		(320)	(320)	(290)	(274)	(263)	(234)	(208)	(193)	(170)	(146)	(124)	(101)	(79)	(58)	(37)	(17)


Gas
ROSA UNIT | 9A | DAKOTA | WILLIAMS PRODUCTION COMP | 11
Water, bbl/mo
Oil, bbl/mo
Gas, mcf/mo
10000
1000
100
10
10000
1000
100
10
100000
10000
1000
100
Results
Qual DEFAULT
Ref 12/1/2001
Act 0.000000
Est 1554.710
Qref 1557.863
Qab 581.562
"b" 2.500000
De 4.500000
Yrs 88.082
Rem 862775
Cum 127468.000
EUR 990243
2000
2004
2008
2012
2016
2020
2024
2028
2032
2036
2040
2044
2048
2052
2056
2060
Year

Project: Rosa 101M Dakota Commerciality Determination

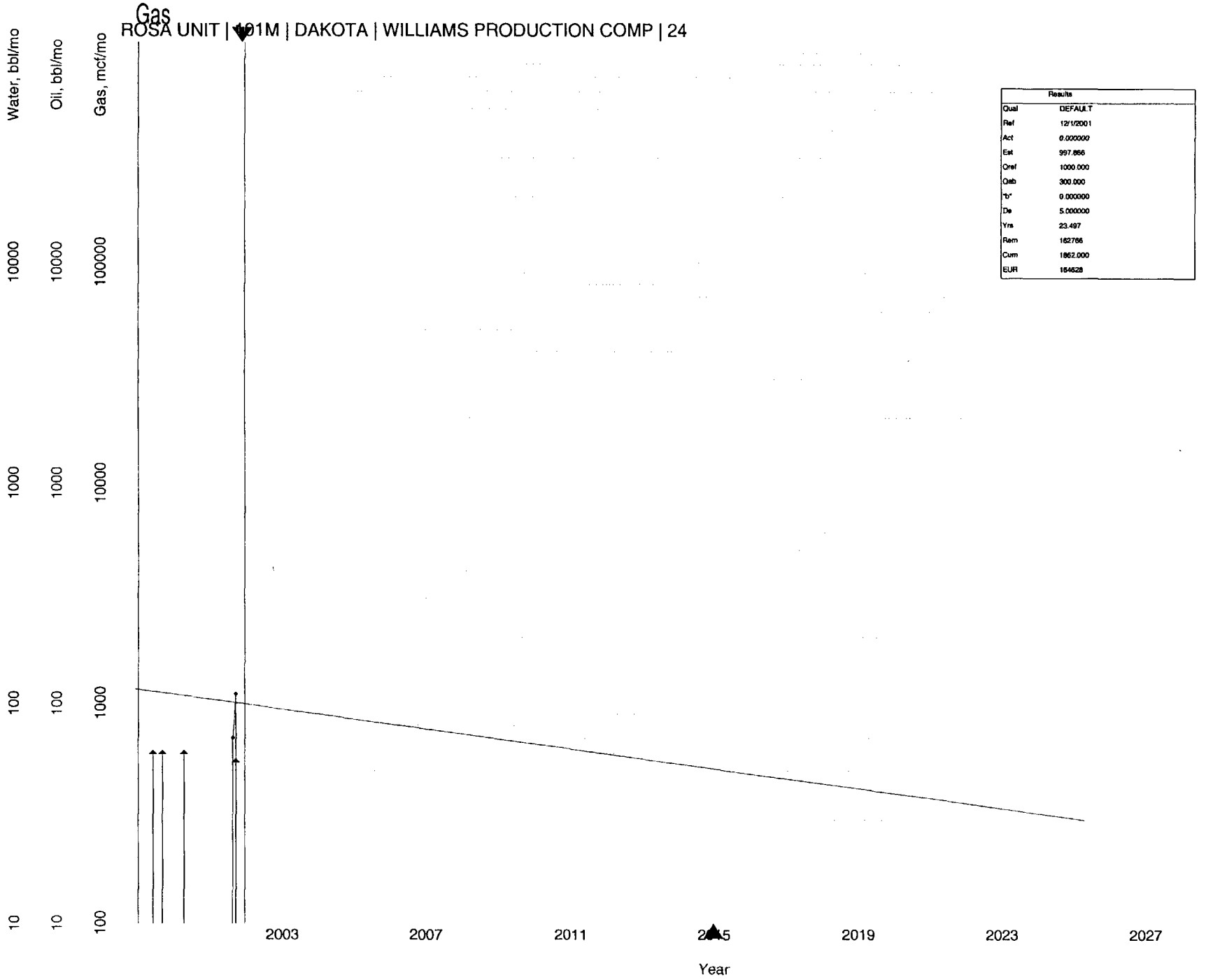
In $/thousand

Comments:

INPUTS - In blue areas only, costs in gross values								
Probability of Success	100.0%	O&M - M$/month	$1.20	Land / Buy-In (NET)		$0	POS Parameters	
WI: prior to casingpoint	100.00%	Gathering Fee - $/Mcf	$0.43	Dry Hole Cost (8/8ths)		$0	Source	100%
WI: casingpoint to comp	100.00%	Water Prod - bbls/d		Completion Cost (8/8ths)		$380	Reservoir	100%
WI: production BPO	100.00%	% Water Decline		Total		$380	Trap	100%
WI: production APO	100.00%	Water disp fee - $/bbl	$2.50	Direct Taxes	NM	9.12%	Timing	100%
NRI BPO	85.00%	Gas Price - $/Mcf	LRP SJ	Income Tax Rate	AMT	25%	Seal	100%
NRI APO	85.00%	IP Rate - MMcfd	0.200	Percent Tangible		21%	POS	100.0%
Net Gas NRI BPO	85.00%	% Volume Decline	65.0%	Financing Detail for 1040:				
Net Gas NRI APO	85.00%	Gas Differential		Percentage Financed		50%		
Net Oil NRI	85.00%	Btu value	1.000	Finance Rate		9.0%		
Payout Percent	100.0%	Oil Price - $/bbl	LRP SJ	IRR (after taxes and financing)		1.6%		
Volume Sensitivity	100.0%	bbls/MMcf	-	PV10 (after taxes and financing)		($258.4)		
Gas price sensitivity	100.0%	Oil Differential	$0.00					
Oil price sensitivity	100.0%							

RESULTS			
Pre-Tax		After-Tax	
IRR	3.8%	IRR	2.3%
PV5	($66)	PV5	($135)
PV10	($226)	PV10	($260)
Gas Gross Reserves (BCF)			0.414
Net Risked Reserves (BCF)			0.4
Oil Gross Reserves (MBO)			-
Net Risked Reserves (MBO)			-
Gross Reserves (BCFE)			0.414
Net Risked Reserves (BCFE)			0.4
Capital Cost: $/Mcfe			$1.08
Number of years to payback			> 8 yrs

INCOME STATEMENT	totals	Year 0	1996 Year 1	1997 Year 2	1998 Year 3	1999 Year 4	2000 Year 5	2001 Year 6	2002 Year 7	2003 Year 8	2004 Year 9	2005 Year 10	2006 Year 11	2007 Year 12	2008 Year 13	2009 Year 14	2010 Year 15
MMcfd			-	-	-	-	0.000	0.017	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047
Production Decline			65%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-30825%	-175%	0%	0%	0%	0%	0%	0%	0%	0%
Gross Production - MMcf	244.21	(20yr)	0.000	0.000	0.000	0.000	0.020	6.185	17	17	17	17	17	17	17	17	17
Net Risked Production - MMcf	352		-	-	-	-	0	5	14	14	14	14	14	14	14	14	14
Gas Price			1.66	2.32	1.86	2.06	3.53	3.75	2.69	3.52	3.70	3.73	3.81	3.87	3.93	3.99	3.94
GAS SALES	1,352		-	-	-	-	0	20	39	51	53	54	55	56	57	58	57
Production Decline																	
Gross Production - Mbbls	0.00	(20yr)	-		0	0	0	0	0	0	0	0	0	0	0	0	0
Net Risked Production - Mbbls	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil Price			27.90	25.00	23.00	20.70	21.74	22.82	23.62	21.00	21.84	22.71	22.71	22.71	22.71	22.71	22.71
OIL SALES	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL REVENUES	1,352		-	-	-	-	0	20	39	51	53	54	55	56	57	58	57
OPERATING EXPENSES																	
Lease Operating Expense	288	(20yr)	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Gathering Fees	151		-	-	-	-	0	2	6	6	6	6	6	6	6	6	6
Water Disposal Fees	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Depletion	380		-	-	-	-	0	6	16	16	16	16	16	16	16	16	16
Direct Taxes (Ad Val + Sev)	110		0	0	0	0	0	2	3	4	4	4	4	5	5	5	5
TOTAL OPERATING EXPENSES			14	14	14	14	14	24	39	40	41	41	41	41	41	41	41
OPERATING PROFIT/PRETAX INC.			(14)	(14)	(14)	(14)	(14)	(4)	(0)	11	13	13	14	15	16	17	16
Income Taxes @ 25%			(4)	(4)	(4)	(4)	(4)	(1)	(0)	3	3	3	4	4	4	4	4
NET INCOME			(11)	(11)	(11)	(11)	(11)	(3)	(0)	8	10	10	11	11	12	13	12
Depreciation and Depletion			-	-	-	-	0	6	16	16	16	16	16	16	16	16	16
Deferred Taxes			75	-	-	-	(0)	(1)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Capital Expenditures	(380)	(380)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRE-TAX CASH FLOW		(380)	-	-	-	-	-	1	15	26	29	29	30	31	32	32	32
AFTER-TAX CASH FLOW		(380)	-	-	-	-	-	1	12	20	22	23	23	24	24	25	25
Cumulative A-T Cash Flow		(380)	(380)	(380)	(380)	(380)	(380)	(379)	(366)	(346)	(324)	(301)	(278)	(254)	(229)	(204)	(180)


Gas
ROSA UNIT | 191M | DAKOTA | WILLIAMS PRODUCTION COMP | 24
Water, bbl/mo
Oil, bbl/mo
Gas, mcf/mo
10000
1000
100
10
10000
1000
100
10
100000
10000
1000
100
Results
Qual DEFAULT
Ref 12/1/2001
Act 0.000000
Est 997.866
Qref 1000.000
Qab 300.000
"b" 0.000000
De 5.000000
Yrs 23.497
Rem 162766
Cum 1862.000
EUR 164628
2003
2007
2011
2015
2019
2023
2027
Year

ENERGY SERVICES
One Williams Center
P.O. Box 3102
Tulsa, OK 74101-3102
918/573-2000

PROD-0-109-02

March 11, 2002

Assistant District Manager, Minerals (3 copies)
Bureau of Land Management
Farmington Resources Area
Attn: Ms. Geneva McDougall
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico (2 copies)
Commissioner of Public Lands
Attn: Mr. Pete Martinez
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico (2 copies)
Oil Conservation Division
Attn: Roy Johnson
1220 S. St. Francis
Santa Fe, NM 87505

Re: Rosa Unit I - Sec. 587
San Juan and Rio Arriba Counties, New Mexico
Pictured Cliffs Participating Areas

Initial Expansion – Effective 7/16/94
First Expansion – Effective 8/1/94
Second Expansion – Effective 9/1/94
Third Expansion – Effective 10/1/94
Fourth Expansion – Effective 12/1/94
Fifth Expansion – Effective 5/1/98
Sixth Expansion – Effective 6/1/99
Seventh Expansion – Effective 10/1/99

Ladies & Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement I – Section Number 587, approved January 24, 1948, Williams Production Company, LLC, as Unit Operator, hereby respectfully requests approval of the referenced participating areas for the Pictured Cliffs Formation. Pursuant to the BLM letter, attached is a list of all wells that have been deemed commercial.

Initial Expansion – Effective 7/16/94

Total P/A Acres = 160.00

Wells/No./Dedication	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #32	39A	T31N R6W, Sec. 21: Lots 2 & 3	16.88	SF078766
(NE/4)	41	T31N R6W, Sec. 21: W/2NE/4	71.56	E289
	42	T31N R6W, Sec. 21: E/2NE4	71.56	E289

First Expansion – Effective 8/01/94

Total P/A Acres = 320.00

Wells/No./Dedication	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #5A	37	T31N R6W, Sec. 26: SE/4	160.00	SF078771
(SE/4)				
Rosa Unit #32A	39A	T31N R6W, Sec. 21: Lot 1	8.44	SF078766
(NW/4)	39A	T31N R6W, Sec. 21: W/2NW/4	80.00	SF078766
	41	T31N R6W, Sec. 21: E/2NE/4	71.56	E289

Second Expansion – Effective 9/01/94

Total P/A Acres = 800.00

Wells/No./Dedication	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #8	37	T31N R6W Sec. 26: SW/4	160.00	SF078771
(SW/4)				
Rosa Unit #8A	37	T31N R6W Sec. 26: NW/4	160.00	SF078771
(NW/4)				
Rosa Unit #18A	39	T31N R6W Sec. 22: SE/4	160.00	SF078766
(SE/4)				
Rosa Unit #100E	39A	T31N R6W Sec. 21: SE/4	160.00	SF078766
(SE/4)				
Rosa Unit #140	39A	T31N R6W Sec. 22: SW/4	160.00	SF078766
(SW/4)				

Third Expansion – Effective 10/01/94

Total P/A Acres = 320.00

Wells/No./Dedication	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #144 (NE/4)	37	T31N R6W Sec. 26: NE/4	160.00	SF078771
Rosa Unit #18 (NE/4)	39	T31N R6W Sec. 22: NE/4	160.00	SF078766

Fourth Expansion – Effective 12/01/94

Total P/A Acres = 320.00

Wells/No./Dedication	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #138A (NE/4)	39A	T31N R6W Sec. 17: NE/4	160.00	SF078766
Rosa Unit #139 (NW/4)	39A	T31N R6W Sec. 17: NW/4	160.00	SF078766

Fifth Expansion – Effective 5/01/98

Total P/A Acres = 160.00

Wells/No./Dedication	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #88 (NW/4)	33	T31N R6W Sec. 8: NW/4	160.00	SF078765

Sixth Expansion – Effective 6/01/99

Total P/A Acres = 160.00

Wells/No./Dedication	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #12A (SE/4)	33	T31N R6W Sec.15 SE/4	160.00	SF078765

Seventh Expansion – Effective 10/01/99

Total P/A Acres = 160.00

Wells/No./Dedication	Tract #	Tract Description	Tract Acres	Lease No
Rosa Unit #165 (NW/4)	39	T31N R6W Sec. 25: NW/4	160.00	SF078766

Attached hereto are the schedules for the Initial through the Seventh expansions for the Participating Area. The schedules describe the Participating Area, show the percentages of ownership in the tracts, and shows the percentages of unitized substances allocated to each unitized tract. Also included is a map reflecting the boundaries of the unit and the proposed Pictured Cliffs Area within the Rosa Unit.

If these proposed Participating Areas as set forth herein meets with your approval, please indicate such approval in the space provided on the attached sheet and return an approved copy for our files.

Copies of this application are being sent to the Working Interest Owners shown on the attached sheet. If you have any questions or need any additional information, please contact the undersigned at (918) 573-6181.

Sincerely,

Kristine Russell

Kristine Russell
Senior Production Analyst

Cc: Working Interest Owners
Donnie Suter-Levin
Dave Culbertson
Vern Hansen
Mike Turnbaugh
Chuck Keller
Mitch Reeves
Bob McElhattan
Dwayne Welborn
Sheryl Marcum
PC File

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Commission

APPROVED_____DATE _____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the Commissioner of Public Lands
And the Oil Conservation Commission

APPROVED_____DATE_____
Commissioner of Public lands
Subject to like approval by the Area Oil & Gas Supervisor
And the Oil Conservation Commission

APPROVED _____DATE_____
Oil Conservation Commission
Subject to like approval by the Area Oil & Gas Supervisor
And the Commissioners of Public Lands

The foregoing are approvals for the Initial through the Seventh Participating Area in the Pictured Cliffs formation of the Rosa Unit I - Sec. 587.

ROSA UNIT PICTURED CLIFFS
WORKING INTEREST OWNERS

Amoco Production Company
Attn: San Juan Asset Team
P.O. Box 3092
Houston, TX 77253-3092

El Paso Production Company
Attn: Chad Shaw
9 Greenway Plaza, Room 1512
Houston, TX 77046

The Wiser Oil Company
Attn: Matt Eagleston
8115 Preston Road, #400
Dallas, TX 75225

SCHEDULE I
INITIAL PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078766	T31N R6W		**Tract 39A**			10.550000%
	Sec 21: Lots 2 & 3	16.88	WORKING INTEREST			
	Well: #32		Williams Production Co. LLC	23.000000%	20.125000%	
			Coastal Oil & Gas	27.000000%	23.625000%	
			Amoco Production Company	50.000000%	43.750000%	
			ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
E-289-41	T31N R6W	71.56	**TRACT 41**			44.725000%
	Sec 21: 71.56 acres out of the		WORKING INTEREST			
	W/2NE/4		The Wiser Oil Company	100.000000%	87.500000%	
	Well: #32		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
E-289-42	T31N R6W		**Tract 42**			44.725000%
	Sec 21: 71.56 acres out of the	71.56	WORKING INTEREST			
	E/2NE/4, formerly described		Williams Production Co. LLC	23.000000%	19.550000%	
	as the W/2SE/4 of Sec 16.		Coastal Oil & Gas	27.000000%	22.950000%	
	Well: #32		Amoco Production Company	50.000000%	42.500000%	
			ROYALTY		12.500000%	
			ORRI		2.500000%	
				100.000000%	**100.000000%**	
		160.00				**100.000000%**

Effective 7/16/94

SCHEDULE II
FIRST PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078771	T31N R6W		**Tract 37**			33.333333%
	Sec 26: SE/4	160	WORKING INTEREST			
	Well: #5A		Williams Production Co. LLC	73.000000%	63.875000%	
			Coastal Oil & Gas	27.000000%	23.625000%	
			ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078766	T31N R6W		**Tract 39A**			21.941667%
	Sec 21: Lots 2 & 3	105.32	WORKING INTEREST			
	Sec 21: Lot 1		Williams Production Co. LLC	23.000000%	20.125000%	
	Sec 21:W/2NW/4		Coastal Oil & Gas	27.000000%	23.625000%	
	Wells: #32, #32A		Amoco Production Company	50.000000%	43.750000%	
			ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
E-289-41	T31N R6W	143.12	**TRACT 41**			29.816667%
	Sec 21: 71.56 acres out of the		WORKING INTEREST			
	W/2NE/4 and 71.56 acres out of the		The Wiser Oil Company	100.000000%	87.500000%	
	E/2NW/4, formerly described		ROYALTY		12.500000%	
	as the SW/4 of Sec 16.		ORRI		0.000000%	
	Wells: #32, #32A			**100.000000%**	**100.000000%**	
E-289-42	T31N R6W		**Tract 42**			14.908333%
	Sec 21: 71.56 acres out of the	71.56	WORKING INTEREST			
	E/2NE/4, formerly described		Williams Production Co. LLC	23.000000%	19.550000%	
	as the W/2SE/4 of Sec 16.		Coastal Oil & Gas	27.000000%	22.950000%	
	Well: #32		Amoco Production Company	50.000000%	42.500000%	
			ROYALTY		12.500000%	
			ORRI		2.500000%	
				100.000000%	**100.000000%**	
		480.00				**100.000000%**

Effective 8/01/94

SCHEDULE III
SECOND PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078771	T31N R6W		**Tract 37**			37.500000%
	Sec 26: SE/4	480	WORKING INTEREST			
	Sec 26: SW/4		Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 26: NW/4		Coastal Oil & Gas	27.000000%	23.625000%	
	Wells: #5A, #8, #8A		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078766	T31N R6W		**Tract 39**			12.500000%
	Sec 22: SE/4	160	WORKING INTEREST			
	Well: #18A		Williams Production Co. LLC	73.000000%	63.875000%	
			Coastal Oil & Gas	27.000000%	23.625000%	
			ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078766	T31N R6W		**Tract 39A**			33.228125%
	Sec 21: Lots 2 & 3	425.32	WORKING INTEREST			
	Sec 21: Lot 1		Williams Production Co. LLC	23.000000%	20.125000%	
	Sec 21:W/2NW/4		Coastal Oil & Gas	27.000000%	23.625000%	
	Sec 21: SE/4		Amoco Production Company	50.000000%	43.750000%	
	Sec 22: SW/4		ROYALTY		12.500000%	
	Wells: #32, #32A, #100E, #140		ORRI		0.000000%	
				100.000000%	**100.000000%**	
E-289-41	T31N R6W	143.12	**TRACT 41**			11.181250%
	Sec 21: 71.56 acres out of the		WORKING INTEREST			
	W/2NE/4 and 71.56 acres out of the		The Wiser Oil Company	100.000000%	87.500000%	
	E/2NW/4, formerly described		ROYALTY		12.500000%	
	as the SW/4 of Sec 16.		ORRI		0.000000%	
	Wells: #32, #32A			**100.000000%**	**100.000000%**	
E-289-42	T31N R6W		**Tract 42**			5.590625%
	Sec 21: 71.56 acres out of the	71.56	WORKING INTEREST			
	E/2NE/4, formerly described		Williams Production Co. LLC	23.000000%	19.550000%	
	as the W/2SE/4 of Sec 16.		Coastal Oil & Gas	27.000000%	22.950000%	
	Well: #32		Amoco Production Company	50.000000%	42.500000%	
			ROYALTY		12.500000%	
			ORRI		2.500000%	
				100.000000%	**100.000000%**	
		1,280.00				**100.000000%**

Effective 9/01/94

SCHEDULE IV
THIRD PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078771	T31N R6W		**Tract 37**			40.000000%
	Sec 26: SE/4	640	WORKING INTEREST			
	Sec 26: SW/4		Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 26: NW/4		Coastal Oil & Gas	27.000000%	23.625000%	
	Sec 26: NE/4		ROYALTY		12.500000%	
	Wells: #5A, #8, #8A,#144		ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078766	T31N R6W		**Tract 39**			20.000000%
	Sec 22: SE/4	320	WORKING INTEREST			
	Sec 22 NE/4		Williams Production Co. LLC	73.000000%	63.875000%	
	Wells: #18, #18A		Coastal Oil & Gas	27.000000%	23.625000%	
			ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078766	T31N R6W		**Tract 39A**			26.582500%
	Sec 21: Lots 2 & 3	425.32	WORKING INTEREST			
	Sec 21: Lot 1		Williams Production Co. LLC	23.000000%	20.125000%	
	Sec 21:W/2NW/4		Coastal Oil & Gas	27.000000%	23.625000%	
	Sec 21: SE/4		Amoco Production Company	50.000000%	43.750000%	
	Sec 22: SW/4		ROYALTY		12.500000%	
	Wells: #32, #32A, #100E, #140		ORRI		0.000000%	
				100.000000%	**100.000000%**	
E-289-41	T31N R6W	143.12	**TRACT 41**			8.945000%
	Sec 21: 71.56 acres out of the		WORKING INTEREST			
	W/2NE/4 and 71.56 acres out of the		The Wiser Oil Company	100.000000%	87.500000%	
	E/2NW/4, formerly described		ROYALTY		12.500000%	
	as the SW/4 of Sec 16.		ORRI		0.000000%	
	Wells: #32, #32A			**100.000000%**	**100.000000%**	
E-289-42	T31N R6W		**Tract 42**			4.472500%
	Sec 21: 71.56 acres out of the	71.56	WORKING INTEREST			
	E/2NE/4, formerly described		Williams Production Co. LLC	23.000000%	19.550000%	
	as the W/2SE/4 of Sec 16.		Coastal Oil & Gas	27.000000%	22.950000%	
	Well: #32		Amoco Production Company	50.000000%	42.500000%	
			ROYALTY		12.500000%	
			ORRI		2.500000%	
				100.000000%	**100.000000%**	
		1,600.00				**100.000000%**

Effective 10/01/94

SCHEDULE V
FOURTH PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078771	T31N R6W		**Tract 37**			33.333333%
	Sec 26: SE/4	640	WORKING INTEREST			
	Sec 26: SW/4		Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 26: NW/4		Coastal Oil & Gas	27.000000%	23.625000%	
	Sec 26: NE/4		ROYALTY		12.500000%	
	Wells: #5A, #8, #8A,#144		ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078766	T31N R6W		**Tract 39**			16.666667%
	Sec 22: SE/4	320	WORKING INTEREST			
	Sec 22 NE/4		Williams Production Co. LLC	73.000000%	63.875000%	
	Wells: #18, #18A		Coastal Oil & Gas	27.000000%	23.625000%	
			ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078766	T31N R6W		**Tract 39A**			38.818750%
	Sec 17: NW/4	745.32	WORKING INTEREST			
	Sec 17: NE/4		Williams Production Co. LLC	23.000000%	20.125000%	
	Sec 21: Lots 2 & 3		Coastal Oil & Gas	27.000000%	23.625000%	
	Sec 21: Lot 1		Amoco Production Company	50.000000%	43.750000%	
	Sec 21:W/2NW/4		ROYALTY		12.500000%	
	Sec 21: SE/4		ORRI		0.000000%	
	Sec 22: SW/4			**100.000000%**	**100.000000%**	
	Wells: #32, #32A, #100E, #138A					
	#139, #140					
E-289-41	T31N R6W	143.12	**TRACT 41**			7.454167%
	Sec 21: 71.56 acres out of the		WORKING INTEREST			
	W/2NE/4 and 71.56 acres out of the		The Wiser Oil Company	100.000000%	87.500000%	
	E/2NW/4, formerly described		ROYALTY		12.500000%	
	as the SW/4 of Sec 16.		ORRI		0.000000%	
	Wells: #32, #32A			**100.000000%**	**100.000000%**	
E-289-42	T31N R6W		**Tract 42**			3.727083%
	Sec 21: 71.56 acres out of the	71.56	WORKING INTEREST			
	E/2NE/4, formerly described		Williams Production Co. LLC	23.000000%	19.550000%	
	as the W/2SE/4 of Sec 16.		Coastal Oil & Gas	27.000000%	22.950000%	
	Well: #32		Amoco Production Company	50.000000%	42.500000%	
			ROYALTY		12.500000%	
			ORRI		2.500000%	
				100.000000%	**100.000000%**	
		1,920.00				**100.000000%**

Effective 12/01/94

SCHEDULE VI
FIFTH PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078765	31N R6W		**Tract 33**			7.692308%
	Sec 8: NW/4	160	WORKING INTEREST			
	Well: #88		Williams Production Co. LLC	73.000000%	63.875000%	
			Coastal Oil & Gas	27.000000%	23.625000%	
			ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078771	T31N R6W		**Tract 37**			30.769231%
	Sec 26: SE/4	640	WORKING INTEREST			
	Sec 26: SW/4		Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 26: NW/4		Coastal Oil & Gas	27.000000%	23.625000%	
	Sec 26: NE/4		ROYALTY		12.500000%	
	Wells: #5A, #8, #8A,#144		ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078766	T31N R6W		**Tract 39**			15.384615%
	Sec 22: SE/4	320	WORKING INTEREST			
	Sec 22 NE/4		Williams Production Co. LLC	73.000000%	63.875000%	
	Wells: #18, #18A		Coastal Oil & Gas	27.000000%	23.625000%	
			ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078766	T31N R6W		**Tract 39A**			35.832692%
	Sec 17: NW/4	745.32	WORKING INTEREST			
	Sec 17: NE/4		Williams Production Co. LLC	23.000000%	20.125000%	
	Sec 21: Lots 2 & 3		Coastal Oil & Gas	27.000000%	23.625000%	
	Sec 21: Lot 1		Amoco Production Company	50.000000%	43.750000%	
	Sec 21:W/2NW/4		ROYALTY		12.500000%	
	Sec 21: SE/4		ORRI		0.000000%	
	Sec 22: SW/4			**100.000000%**	**100.000000%**	
	Wells: #32, #32A, #100E, #138A					
	#139, #140					
E-289-41	T31N R6W	143.12	**TRACT 41**			6.880769%
	Sec 21: 71.56 acres out of the		WORKING INTEREST			
	W/2NE/4 and 71.56 acres out of the		The Wiser Oil Company	100.000000%	87.500000%	
	E/2NW/4, formerly described		ROYALTY		12.500000%	
	as the SW/4 of Sec 16.		ORRI		0.000000%	
	Wells: #32, #32A			**100.000000%**	**100.000000%**	
E-289-42	T31N R6W		**Tract 42**			3.440385%
	Sec 21: 71.56 acres out of the	71.56	WORKING INTEREST			
	E/2NE/4, formerly described		Williams Production Co. LLC	23.000000%	19.550000%	
	as the W/2SE/4 of Sec 16.		Coastal Oil & Gas	27.000000%	22.950000%	
	Well: #32		Amoco Production Company	50.000000%	42.500000%	
			ROYALTY		12.500000%	
			ORRI		2.500000%	
				100.000000%	**100.000000%**	
		2,080.00				**100.000000%**

Effective 5/01/98

SCHEDULE VII
SIXTH PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078765	31N R6W		**Tract 33**			14.285714%
	Sec 8: NW/4	320	WORKING INTEREST			
	Sec 15: SE/4		Williams Production Co. LLC	73.000000%	63.875000%	
	Wells: #12A, #88		Coastal Oil & Gas	27.000000%	23.625000%	
			ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078771	T31N R6W		**Tract 37**			28.571429%
	Sec 26: SE/4	640	WORKING INTEREST			
	Sec 26: SW/4		Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 26: NW/4		Coastal Oil & Gas	27.000000%	23.625000%	
	Sec 26: NE/4		ROYALTY		12.500000%	
	Wells: #5A, #8, #8A,#144		ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078766	T31N R6W		**Tract 39**			14.285714%
	Sec 22: SE/4	320	WORKING INTEREST			
	Sec 22 NE/4		Williams Production Co. LLC	73.000000%	63.875000%	
	Wells: #18, #18A		Coastal Oil & Gas	27.000000%	23.625000%	
			ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078766	T31N R6W		**Tract 39A**			33.273214%
	Sec 17: NW/4	745.32	WORKING INTEREST			
	Sec 17: NE/4		Williams Production Co. LLC	23.000000%	20.125000%	
	Sec 21: Lots 2 & 3		Coastal Oil & Gas	27.000000%	23.625000%	
	Sec 21: Lot 1		Amoco Production Company	50.000000%	43.750000%	
	Sec 21:W/2NW/4		ROYALTY		12.500000%	
	Sec 21: SE/4		ORRI		0.000000%	
	Sec 22: SW/4			**100.000000%**	**100.000000%**	
	Wells: #32, #32A, #100E, #138A					
	#139, #140					
E-289-41	T31N R6W	143.12	**TRACT 41**			6.389286%
	Sec 21: 71.56 acres out of the		WORKING INTEREST			
	W/2NE/4 and 71.56 acres out of the		The Wiser Oil Company	100.000000%	87.500000%	
	E/2NW/4, formerly described		ROYALTY		12.500000%	
	as the SW/4 of Sec 16.		ORRI		0.000000%	
	Wells: #32, #32A			**100.000000%**	**100.000000%**	
E-289-42	T31N R6W		**Tract 42**			3.194643%
	Sec 21: 71.56 acres out of the	71.56	WORKING INTEREST			
	E/2NE/4, formerly described		Williams Production Co. LLC	23.000000%	19.550000%	
	as the W/2SE/4 of Sec 16.		Coastal Oil & Gas	27.000000%	22.950000%	
	Well: #32		Amoco Production Company	50.000000%	42.500000%	
			ROYALTY		12.500000%	
			ORRI		2.500000%	
				100.000000%	**100.000000%**	
		2,240.00				**100.000000%**

Effective 6/01/99

SCHEDULE VIII
SEVENTH PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078765	31N R6W		**Tract 33**			13.333333%
	Sec 8: NW/4	320	WORKING INTEREST			
	Sec 15: SE/4		Williams Production Co. LLC	73.000000%	63.875000%	
	Wells: #12A, #88		Coastal Oil & Gas	27.000000%	23.625000%	
			ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078771	T31N R6W		**Tract 37**			26.666667%
	Sec 26: SE/4	640	WORKING INTEREST			
	Sec 26: SW/4		Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 26: NW/4		Coastal Oil & Gas	27.000000%	23.625000%	
	Sec 26: NE/4		ROYALTY		12.500000%	
	Wells: #5A, #8, #8A,#144		ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078766	T31N R6W		**Tract 39**			20.000000%
	Sec 22: SE/4	480	WORKING INTEREST			
	Sec 22 NE/4		Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 25: NW/4		Coastal Oil & Gas	27.000000%	23.625000%	
	Wells: #18, #18A, #165		ROYALTY		12.500000%	
			ORRI		0.000000%	
				100.000000%	**100.000000%**	
SF-078766	T31N R6W		**Tract 39A**			31.055000%
	Sec 17: NW/4	745.32	WORKING INTEREST			
	Sec 17: NE/4		Williams Production Co. LLC	23.000000%	20.125000%	
	Sec 21: Lots 2 & 3		Coastal Oil & Gas	27.000000%	23.625000%	
	Sec 21: Lot 1		Amoco Production Company	50.000000%	43.750000%	
	Sec 21:W/2NW/4		ROYALTY		12.500000%	
	Sec 21: SE/4		ORRI		0.000000%	
	Sec 22: SW/4			**100.000000%**	**100.000000%**	
	Wells: #32, #32A, #100E, #138A					
	#139, #140					
E-289-41	T31N R6W	143.12	**TRACT 41**			5.963333%
	Sec 21: 71.56 acres out of the		WORKING INTEREST			
	W/2NE/4 and 71.56 acres out of the		The Wiser Oil Company	100.000000%	87.500000%	
	E/2NW/4, formerly described		ROYALTY		12.500000%	
	as the SW/4 of Sec 16.		ORRI		0.000000%	
	Wells: #32, #32A			**100.000000%**	**100.000000%**	
E-289-42	T31N R6W		**Tract 42**			2.981667%
	Sec 21: 71.56 acres out of the	71.56	WORKING INTEREST			
	E/2NE/4, formerly described		Williams Production Co. LLC	23.000000%	19.550000%	
	as the W/2SE/4 of Sec 16.		Coastal Oil & Gas	27.000000%	22.950000%	
	Well: #32		Amoco Production Company	50.000000%	42.500000%	
			ROYALTY		12.500000%	
			ORRI		2.500000%	
				100.000000%	**100.000000%**	
		2,400.00				**100.000000%**

Effective 10/1/99

7TH PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
ROSA UNIT
RECAPITULATION

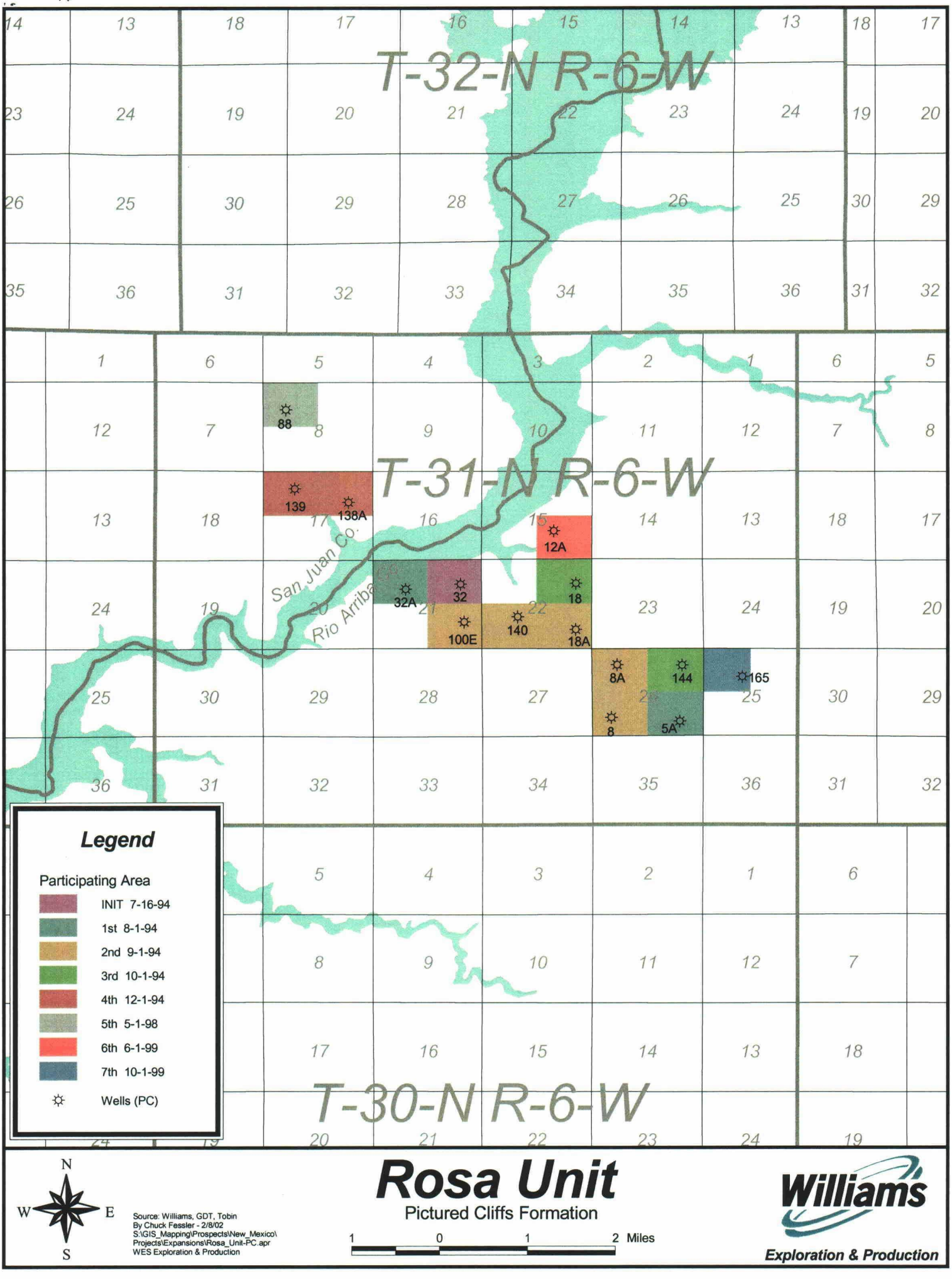
Description of lands in Pictured Cliffs Formation Participating Area:

Township 31North, Range 6 West, N.M.P.M.

Sec. 8:	NW/4
Sec. 15:	SE/4
Sec. 17:	N/2
Sec. 21:	W/2NE/4
	E/2NW/4
	E/2NE/4
	W/2NW/4
	LOT 1
	LOT 2
	LOT 3
	SE/4
Sec. 22:	SW/4
	SE/4
	NE/4
Sec. 25:	NW/4
Sec. 26:	ALL

Total number of Acres in Participating Area:	2,400
Total number of Acres Committed to Participating Area:	2,400

Effective 10/1/99


T-32-N R-6-W
T-31-N R-6-W
T-30-N R-6-W
San Juan Co.
Rio Arriba Co.
88
139
138A
12A
32A
32
18
100E
140
18A
8A
144
165
8
5A
Legend
Participating Area
INIT 7-16-94
1st 8-1-94
2nd 9-1-94
3rd 10-1-94
4th 12-1-94
5th 5-1-98
6th 6-1-99
7th 10-1-99
Wells (PC)
N
W
E
S
Source: Williams, GDT, Tobin
By Chuck Fessler - 2/8/02
S:\GIS_Mapping\Prospects\New_Mexico\
Projects\Expansions\Rosa_Unit-PC.apr
WES Exploration & Production
Rosa Unit
Pictured Cliffs Formation
1 0 1 2 Miles
Williams
Exploration & Production

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington Field Office
1235 La Plata Highway, Suite A
Farmington, New Mexico 87401

IN REPLY REFER TO:
Rosa Unit (Pictured Cliffs PA)
3162.7 (07100)

October 17, 2001

Williams Production Company, LLC
P.O. Box 3102
Tulsa, Oklahoma 74101

RECEIVED
OCT 23 2001
LAND DEPARTMENT

RE: Rosa Unit
Commerciality Determinations
Pictured Cliffs Formation
San Juan and Rio Arriba Counties, New Mexico

Dear Ms. Russell:

In response to your letters dated May 21 and 22, 2001, the Farmington Field Office (FFO) has reviewed the data you submitted for a commerciality determination for the following wells completed in the Pictured Cliffs formation.

Well Name & Number	Dedication	Lease	Completion or Workover Date	Determination
Rosa Unit #5A	SE/4 26,T31N,R6W	NMSF078771	7/23/94	Commercial
Rosa Unit #8	SW/4 26,T31N,R6W	NMSF078771	8/1/94	Commercial
Rosa Unit #8A	NW/4 26,T31N,R6W	NMSF078771	8/29/94	Commercial
Rosa Unit #12A	SE/4 15,T31N,R6W	NMSF078765	5/29/99	Commercial
Rosa Unit #18	NE/4 22,T31N,R6W	NMSF078766	9/15/94	Commercial
Rosa Unit #18A	SE/4 22,T31N,R6W	NMSF078766	8/18/94	Commercial
Rosa Unit #32A	NW/4 21,T31N,R6W	STATE	7/28/94	Commercial
Rosa Unit #79A	NW/4 22,T31N,R6W	STATE	8/13/94	Non-Commercial
Rosa Unit #100E	SE/4 21,T31N,R6W	NMSF078766	8/30/94	Commercial
Rosa Unit #140	SW/4 22,T31N,R6W	NMSF078766	8/6/94	Commercial
Rosa Unit #144	NE/4 26,T31N,R6W	NMSF078771	9/21/94	Commercial
Rosa Unit #165	NW/4 25,T31N,R6W	NMSF078766	9/3/99	Commercial
Rosa Unit #32	NE/4 21,T31N,R6W	STATE	7/16/94	Commercial
Rosa Unit #88	NW/4 8,T31N,R6W	NMSF078765	4/14/98	Commercial
Rosa Unit #88A	SW/4 8,T31N,R6W	NMSF078765	10/20/94	Non-Commercial
Rosa Unit #137	SW/4 31,T31N,R5W	NMSF078764	7/9/94	Non-Commercial
Rosa Unit #137A	SE/4 31,T31N,R5W	NMSF078764	10/1/99	Non-Commercial

Well Name & Number	Dedication	Lease	Completion or Workover Date	Determination
Rosa Unit #138	SE/4 17,T31N,R6W	NMSF078766	10/15/94	Non-Commercial
Rosa Unit #138A	NE/4 17,T31N,R6W	NMSF078766	11/9/94	Commercial
Rosa Unit #139	NW/4 17,T31N,R6W	NMSF078766	11/5/94	Commercial
Rosa Unit #142	SW/4 15,T31N,R6W	NMSF078765	9/7/94	Non-Commercial
Rosa Unit #145	NE/4 16,T31N,R6W	NMSF078766	10/14/94	Non-Commercial
Rosa Unit #145A	NW/4 16,T31N,R6W	NMSF078766	10/1/94	Non-Commercial

After completing our economic evaluations, we are in concurrence with the above determinations.

The wells that are determined to be commercial wells are to be included in a Pictured Cliffs participating area. It is required that the initial Rosa Unit Pictured Cliffs Participating Area be submitted. It is also required that subsequent revisions be submitted to include the remaining commercial wells in the Rosa Unit Pictured Cliffs Participating Area. The wells that are determined to be non-commercial are to be reported under their lease number or communization number.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the order(s) described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 ***et seq.***

If you have any questions concerning this matter, please contact Wayne Townsend at the above address or telephone (505) 599-6359.

Sincerely,

Wayne Townsend
Petroleum Engineer
Petroleum Management Team

COMMISSIONER'S OFFICE
Phone (505) 827-5760
Fax (505) 827-5766

ADMINISTRATION
Phone (505) 827-5700
Fax (505) 827-5853

GENERAL COUNSEL
Phone (505) 827-5713
Fax (505) 827-4262

PUBLIC AFFAIRS
Phone (505) 827-1245
Fax (505) 827-5766

New Mexico State Land Office
Commissioner of Public Lands
Ray Powell, M.S., D.V.M.

COMMERCIAL RESOURCES
Phone (505) 827-5724
Fax (505) 827-6157

MINERAL RESOURCES
Phone (505) 827-5744
Fax (505) 827-4739

ROYALTY MANAGEMENT
Phone (505) 827-5772
Fax (505) 827-4739

SURFACE RESOURCES
Phone (505) 827-5793
Fax (505) 827-5711

March 4, 2002

Williams Production Company
P.O. Box 3102
One William Center
Tulsa, Oklahoma 74101

Attn: Mr. M. Vern Hansen

Re: 2002 Plan of Development
Rosa Unit
San Juan and Rio Arriba Counties, New Mexico

Dear Mr. Hansen:

The Commissioner of Public Lands has, of this date, approved the above-captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the unit may exist. You may be contacted at a later date regarding these possibilities.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY:
JAMI BAILEY, Director
Oil, Gas and Minerals Division
(505) 827-5744

RP/JB/cpm
xc: Reader File OCD BLM

OIL CONSERVATION DIV.
02 FEB 21 AM 9:19

#133

Williams Production Company,LLC
One Williams Center
P.O. Box 3102
Tulsa, Oklahoma 74101
918/573-6169

February 13, 2002

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico
Oil Conservation Commission
2040 South Pacheco
Santa Fe, New Mexico 87505

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

Re: Rosa Unit I, Sec.No.587
San Juan and Rio Arriba Counties, New Mexico
2002 Plan of Development

Gentlemen:

By letters dated February 12, March 28, and June 13, 2001, Williams Production Company as Rosa Unit Operator, filed the 2001 Plan of Development for the Rosa Unit. Following is a summary of the operations proposed under the 2001 Plan of Development:

Well Name	Formation	Operations Status
Rosa Unit #5B (Mesaverde/ Dakota Dual)	Mesaverde Dakota	Carry over to 2002 P.O.D. Carry over to 2002 P.O.D.
Rosa Unit #8B (Mesaverde/ Dakota Dual)	Mesaverde Dakota	Drilled and completed Drilled and completed
Rosa Unit #9B	Mesaverde	Carry over to 2002 P.O.D.
Rosa Unit #10B	Mesaverde	Drilled, waiting on completion
Rosa Unit #12B (Mesaverde/ Dakota Dual)	Mesaverde Dakota	Drilled and completed Drilled and completed
Rosa Unit #17B (Mesaverde/ Dakota Dual	Mesaverde Dakota	Carry over to 2002 P.O.D. Carry over to 2002 P.O.D.
Rosa Unit #18B (Mesaverde/ Dakota Dual	Mesaverde Dakota	Carry over to 2002 P.O.D. Carry over to 2002 P.O.D.
Rosa Unit #19B	Mesaverde	Waiting on completion
Rosa Unit #21B	Mesaverde	Drilled and completed
Rosa Unit #23B	Mesaverde	Waiting on completion
Rosa Unit #24B (Mesaverde/ Dakota Dual)	Mesaverde Dakota	Drilled and completed Drilled and completed

Well Name	Formation	Operations Status
Rosa Unit #26B (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #29B (Mesaverde/	Mesaverde	Drilled, waiting on completion
Dakota Dual)	Dakota	Drilled, waiting on completion
Rosa Unit #30B (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #31B (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #31C (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #32B (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #32C (Mesaverde/	Mesaverde	Carry over to 2002 P.O.D.
Dakota Dual)	Dakota	Carry over to 2002 P.O.D.
Rosa Unit #34B	Mesaverde	Drilled and completed
Rosa Unit #36B	Mesaverde	Drilled and completed
Rosa Unit #44B (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Not drilled, dropped from P.O.D.
Rosa Unit #45	Fruitland Coal recompletion	Dropped from P.O.D.
Rosa Unit #46A (Mesaverde/	Mesaverde	Carry over to 2002 P.O.D.
Dakota Dual)	Dakota	Carry over to 2002 P.O.D.
Rosa Unit Com #60B (Mesaverde/	Mesaverde	Carry over to 2002 P.O.D.
Dakota Dual)	Dakota	Carry over to 2002 P.O.D.
Rosa Unit #77B	Mesaverde	Carry over to 2002 P.O.D.
Rosa Unit #79B (Mesaverde/	Mesaverde	Carry over to 2002 P.O.D.
Dakota Dual)	Dakota	Carry over to 2002 P.O.D.
Rosa Unit #85B (Mesaverde/	Mesaverde	Carry over to 2002 P.O.D.
Dakota Dual)	Dakota	Carry over to 2002 P.O.D.
Rosa Unit #89B (Mesaverde/	Mesaverde	Carry over to 2002 P.O.D.
Dakota Dual)	Dakota	Carry over to 2002 P.O.D.
Rosa Unit #89C	Mesaverde	Drilled and completed
Rosa Unit #91B (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #138B (Mesaverde/	Mesaverde	Carry over to 2002 P.O.D.
Dakota Dual)	Dakota	Carry over to 2002 P.O.D.
Rosa Unit #146A (Mesaverde/	Mesaverde	Carry over to 2002 P.O.D.
Dakota Dual)	Dakota	Carry over to 2002 P.O.D.
Rosa Unit #147B (Mesaverde/	Mesaverde	Carry over to 2002 P.O.D.
Dakota Dual)	Dakota	Carry over to 2002 P.O.D.
Rosa Unit Com #148B	Mesaverde	Carry over to 2002 P.O.D.
Rosa Unit #149B (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #150B (Mesaverde/	Mesaverde	Drilled, waiting on completion
Dakota Dual)	Dakota	Drilled, waiting on completion
Rosa Unit #151B	Mesaverde	Carry over to 2002 P.O.D.
Rosa Unit #152B	Mesaverde	Drilled and completed
Rosa Unit #156B (Mesaverde/	Mesaverde	Carry over to 2002 P.O.D.
Dakota	Dakota	Carry over to 2002 P.O.D.
Rosa Unit #163B	Mesaverde	Carry over to 2002 P.O.D.
Rosa Unit #165B (Mesaverde/	Mesaverde	Drilled and completed
Dakota Dual)	Dakota	Drilled and completed
Rosa Unit #167B (Mesaverde/	Mesaverde	Drilled, waiting on completion
Dakota Dual)	Dakota	Drilled, waiting on completion
Rosa Unit #180B (Mesaverde/	Mesaverde	Carry over to 2002 P.O.D.
Dakota Dual)	Dakota	Carry over to 2002 P.O.D.

Well Name	Formation	Operations Status
Rosa Unit #184	Mesaverde	Drilled and completed
Rosa Unit #184A	Mesaverde	Drilled and completed
Rosa Unit #186	Mesaverde	Carry over to 2002 P.O.D.
Rosa Unit #187	Mesaverde	Drilled and completed
Rosa Unit #342	Fruitland Coal	Drilled and completed
Rosa Unit #347	Fruitland Coal	Carry over to 2002 P.O.D.
Rosa Unit #350	Fruitland Coal	Carry over to 2002 P.O.D.
Rosa Unit #357	Fruitland Coal	Drilled and completed
Rosa Unit #359	Fruitland Coal	Drilled and completed
Rosa Unit #361	Fruitland Coal	Carry over to 2002 P.O.D.
Rosa Unit #362	Fruitland Coal	Carry over to 2002 P.O.D.
Rosa Unit #363	Fruitland Coal	Drilled and completed

The Participating Areas which have been established in the Rosa Unit are as follows:

Formation	Revision	Effective
Mesaverde	Fifteenth	January 1, 1983
Dakota	Ninth	January 1, 1992

Attached are maps of each of the producing formations within the Rosa Unit showing the boundaries of the Participating Areas as applicable. There were no wells commingled within the Rosa Unit during 2000.

Pursuant to Section 9 of the Rosa Unit Agreement, Williams Production Company is submitting a Plan of Development providing for the completion of the following wells during 2002:

Well Name	Drilling Block	Formation
Rosa Unit #5B (Mesaverde/	E/2 Sec.26 T31N R6W	Mesaverde
Dakota Dual)	N/2 Sec.26 T31N R6W	Dakota
Rosa Unit #8C	W/2 Sec.26 T31N R6W	Mesaverde
Rosa Unit #9B	W/2 Sec.11 T31N R6W	Mesaverde
Rosa Unit #10C	W/2 Sec.13 T31N R6W	Mesaverde
Rosa Unit #14B (Mesaverde/	E/2 Sec.23 T31N R6W	Mesaverde
Dakota Dual)	S/2 Sec.23 T31N R6W	Dakota
Rosa Unit #15B	E/2 Sec29 T31N R5W	Mesaverde
Rosa Unit #17B (Mesaverde/	S/2 Sec.20 T31N R5W	Mesaverde
Dakota Dual)	S/2 Sec.20 T31N R5W	Dakota
Rosa Unit #18B (Mesaverde/	E/2 Sec.22 T31N R6W	Mesaverde
Dakota Dual)	E/2 Sec.22 T31N R6W	Dakota
Rosa Unit #21C (Mesaverde/	W/2 Sec.23 T31N R6W	Mesaverde
Dakota Dual)	N/2 Sec.23 T31N R6W	Dakota
Rosa Unit #22B	N/2 Sec.18 T31N R5W	Mesaverde
Rosa Unit #24C (Mesaverde/	W/2 Sec.32 T31N R5W	Mesaverde
Dakota Dual)	W/2 Sec.32 T31N R5W	Dakota
Rosa Unit #25B (Mesaverde/	W/2 Sec.15 T31N R6W	Mesaverde
Dakota Dual)	W/2 Sec.15 T31N R6W	Dakota
Rosa Unit #32C (Mesaverde/	N/2 Sec.21 T31N R6W	Mesaverde
Dakota Dual)	N/2 Sec.21 T31N R6W	Dakota
Rosa Unit #34C	E/2 Sec.36 T32N R6W	Mesaverde
Rosa Unit #35B	All Sec.5 T31N R6W	Mesaverde
Rosa Unit #40E	N/2 Sec.11 T31N R6W	Dakota

Well Name	Drilling Block				Formation
Rosa Unit #41B (Mesaverde/	All	Sec.5	T31N	R5W	Mesaverde
Dakota Dual)	All	Sec.5	T31N	R5W	Dakota
Rosa Unit #46A (Mesaverde/	E/2	Sec.8	T31N	R5W	Mesaverde
Dakota Dual)	S/2	Sec.8	T31N	5W	Dakota
Rosa Unit #48E	S/2	Sec.11	T31N	R5W	Dakota
Rosa Unit Com #60B (Mesaverde/	All	Sec.4	T31N	R6W	Mesaverde
Dakota Dual)	All	Sec.4	T31N	R6W	Dakota
Rosa Unit #75B	W/2	Sec.10	T31N	R6W	Mesaverde
Rosa Unit #77B	S/2	Sec.33	T31N	R5W	Mesaverde
Rosa Unit #79B (Mesaverde/	W/2	Sec.22	T31N	R6W	Mesaverde
Dakota Dual)	W/2	Sec.22	T31N	R6W	Dakota
Rosa Unit #85B (Mesaverde/	N/2	Sec.20	T31N	R5W	Mesaverde
Dakota/Dual)	N/2	Sec.20	T31N	R5W	Dakota
Rosa Unit #88B (Mesaverde/	W/2	Sec.8	T31N	R6W	Mesaverde
Dakota Dual)	W/2	Sec.8	T31N	R6W	Dakota
Rosa Unit #89B (Mesaverde/	E/2	Sec.34	T32N	R6W	Mesaverde
Dakota Dual)	E/2	Sec.34	T32N	R6W	Dakota
Rosa Unit #91C	E/2	Sec.35	T32N	R6W	Mesaverde
Rosa Unit #100B (Mesaverde/	S/2	Sec.21	T31N	R6W	Mesaverde
Dakota Dual)	S/2	Sec.21	T31N	R6W	Dakota
Rosa Unit #125B	E/2	Sec.13	T31N	R6W	Mesaverde
Rosa Unit Com #129B (Mesaverde/	W/2	Sec.34	T32N	R6W	Mesaverde
Dakota Dual)	W/2	Sec.34	T32N	R6W	Dakota
Rosa Unit #137B	S/2	Sec.31	T31N	R5W	Mesaverde
Rosa Unit #138B (Mesaverde/	E/2	Sec.17	T31N	R6W	Mesaverde
Dakota Dual)	E/2	Sec.17	T31N	R6W	Dakota
Rosa Unit #139B (Mesaverde/	W/2	Sec.17	T31N	R6W	Mesaverde
Dakota Dual)	W/2	Sec.17	T31N	R6W	Dakota
Rosa Unit #145B (Meaverde/	N/2	Sec.16	T31N	R6W	Mesaverde
Dakota Dual)	N/2	Sec.16	T31N	R6W	Dakota
Rosa Unit #146A (Mesaverde/	W/2	Sec.28	T31N	R5W	Mesaverde
Dakota Dual)	W/2	Sec.28	T31N	R5W	Dakota
Rosa Unit #147B (Mesaverde/	N/2	Sec.33	T31N	R5W	Mesaverde
Dakota Dual)	N/2	Sec.33	T31N	R5W	Dakota
Rosa Unit Com #148B	All	Sec.2	T31N	R6W	Mesaverde
Rosa Unit #150C (Mesaverde/	W/2	Sec.32	T32N	R6W	Mesaverde
Dakota Dual)	W/2	Sec.32	T32N	R6W	Dakota
Rosa Unit #151B	W/2	Sec.33	T32N	R6W	Mesaverde
Rosa Unit #151C	W/2	Sec.33	T32N	R6W	Mesaverde
Rosa Unit #153B	E/2	Sec.17	T31N	R5W	Mesaverde
Rosa Unit #156B (Mesaverde/	E/2	Sec.9	T31N	R6W	Mesaverde
Dakota Dual)	E/2	Sec.9	T31N	R6W	Dakota
Rosa Unit #159B	S/2	Sec.19	T31N	R5W	Mesaverde
Rosa Unit #160B (Mesaverde/	S/2	Sec.25	T31N	R6W	Mesaverde
Dakota Dual)	S/2	Sec.25	T31N	R6W	Dakota
Rosa Unit #162B	S/2	Sec.30	T31N	R5W	Mesaverde
Rosa Unit #163B (Mesaverde/	E/2	Sec.24	T31N	R6W	Mesaverde
Dakota Dual)	E/2	Sec.24	T31N	R6W	Dakota

Well Name	Drilling Block				Formation
Rosa Unit #164B (Mesaverde/	All	Sec.1	T31N	R6W	Mesaverde
Dakota Dual)	All	Sec. 1	T31N	R6W	Dakota
Rosa Unit #165C (Mesaverde/	N/2	Sec.25	T31N	R6W	Mesaverde
Dakota Dual)	N/2	Sec.25	T31N	R6W	Dakota
Rosa Unit Com #169B	All	Sec.3	T31N	R6W	Mesaverde
Rosa Unit #171B	N/2	Sec.7	T31N	R5W	Mesaverde
Rosa Unit #171C	N/2	Sec.7	T31N	R5W	Mesaverde
Rosa Unit #180B (Mesaverde/	W/2	Sec.9	T31N	R6W	Mesaverde
Dakota Dual)	W/2	Sec.9	T31N	R6W	Dakota
Rosa Unit #181B	E/2	Sec.10	T31N	R6W	Mesaverde
Rosa Unit #184B (Mesaverde/	E/2	Sec.34	T31N	R5W	Mesaverde
Dakota Dual)	S/2	Sec.34	T31N	R5W	Dakota
Rosa Unit #185B (Mesaverde/	S/2	Sec.16	T31N	R6W	Mesaverde
Dakota Dual)	S/2	Sec.16	T31N	R6W	Dakota
Rosa Unit #186 (Mesaverde/	N/2	Sec.27	T31N	R5W	Mesaverde
Dakota Dual)	N/2	Sec.27	T31N	R5W	Dakota
Rosa Unit #189 (Mesaverde/	E/2	Sec.21	T31N	R5W	Mesaverde
Dakota Dual)	E/2	Sec.21	T31N	R5W	Dakota
Rosa Unit #190	W/2	Sec.21	T31N	R5W	Mesaverde
Rosa Unit #191	S/2	Sec.26	T31N	R5W	Mesaverde
Rosa Unit #192	E/2	Sec.35	T31N	R5W	Mesaverde
Rosa Unit #347	W/2	Sec.11	T31N	R4W	Fruitland Coal
Rosa Unit #350	E/2	Sec.10	T31N	R5W	Fruitland Coal
Rosa Unit #360	W/2	Sec.9	T31N	R5W	Fruitland Coal
Rosa Unit #361	S/2	Sec.16	T31N	R5W	Fruitland Coal
Rosa Unit #362	W/2	Sec.36	T31N	R5W	Fruitland Coal
Rosa Unit #364	W/2	Sec.5	T31N	R4W	Fruitland Coal
Rosa Unit #365	E/2	Sec.7	T31N	R4W	Fruitland Coal
Rosa Unit #367	W/2	Sec.9	T31N	R4W	Fruitland Coal
Rosa Unit #368	E/2	Sec.9	T31N	R4W	Fruitland Coal
Rosa Unit #369	E/2	Sec.11	T31N	R4W	Fruitland Coal
Rosa Unit #370	W/2	Sec.19	T31N	R4W	Fruitland Coal
Rosa Unit #371	W/2	Sec.13	T31N	R5W	Fruitland Coal
Rosa Unit #372	W/2	Sec.31	T31N	R4W	Fruitland Coal
Rosa Unit #373	W/2	Sec.15	T31N	R5W	Fruitland Coal
Rosa Unit #374	N/2	Sec.16	T31N	R5W	Fruitland Coal
Rosa Unit #375	W/2	Sec.24	T31N	R5W	Fruitland Coal
Rosa Unit #376	N/2	Sec.25	T31N	R5W	Fruitland Coal
Rosa Unit #377	N/2	Sec.26	T31N	R5W	Fruitland Coal
Rosa Unit #378	E/2	Sec.27	T31N	R5W	Fruitland Coal
Rosa Unit #379	S/2	Sec.8	T31N	R5W	Fruitland Coal
Rosa Unit #381	E/2	Sec.10	T31N	R6W	Fruitland Coal

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided in the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

M. Vern Hansen, CPL
Senior Landman

Enclosures

cc: Working Interest Owners
Mike Turnbaugh
Kris Russell
Tony Scheiper
Tracy Ross
Jim Fullerton
Gary Sizemore
Lance Hobbs
John Thompson (Walsh Engineering)

APPROVED: _____ DATE:_____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED: _____ DATE:_____

Commissioner of Public Lands
Subject to like approval by the Area
Oil and Gas Supervisor and the Oil
Conservation Commission

APPROVED: _____ DATE: 2/22/02

Oil Conservation Commission
Subject to like approval by the Area
Oil and Gas Supervisor and the
Commissioner of Public Lands

The foregoing approvals are for the 2002 Plan of Development for the Rosa Unit I, Section No.587.

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: BRYAN ANDERSON
P O BOX 3092
HOUSTON, TX 77253-3092

SCHULTZ MANAGEMENT, LTD.
500 N. AKARD, SUITE 2940
DALLAS, TX 75201

MS. ELIZABETH T. CALLOWAY
P.O. BOX 191767
DALLAS, TX 75219-1767

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

J. M. HUBER CORPORATION
ATTN: ANDY LYDYARD
1050 17TH STREET, SUITE 1850
DENVER, CO 80265

XTO ENERGY, INC.
ATTN: EDWIN S. RYAN, JR.
810 HOUSTON STREET, SUITE 2000
FORT WORTH, TX 76102-6298

MR. J. GLENN TURNER, JR.
3838 OAK LAWN
SUITE 1600
DALLAS, TX 75219

J. K. EDWARDS ASSOCIATES
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DENVER, CO 80202

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ATTN: IRIS GLEISER
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DALLAS, TX 75266-0197

MR. JOHN TURNER
PMB 285
317 SIDNEY BAKER SOUTH #400
KERRVILLE, TX 78028

PATRICIA P. SCHIEFFER TRUST, BANK OF AMERICA, N.A. AGENT
ATTN: JEFF ANDERSON
P.O. BOX 2546
FORT WORTH, TX 76113-2546

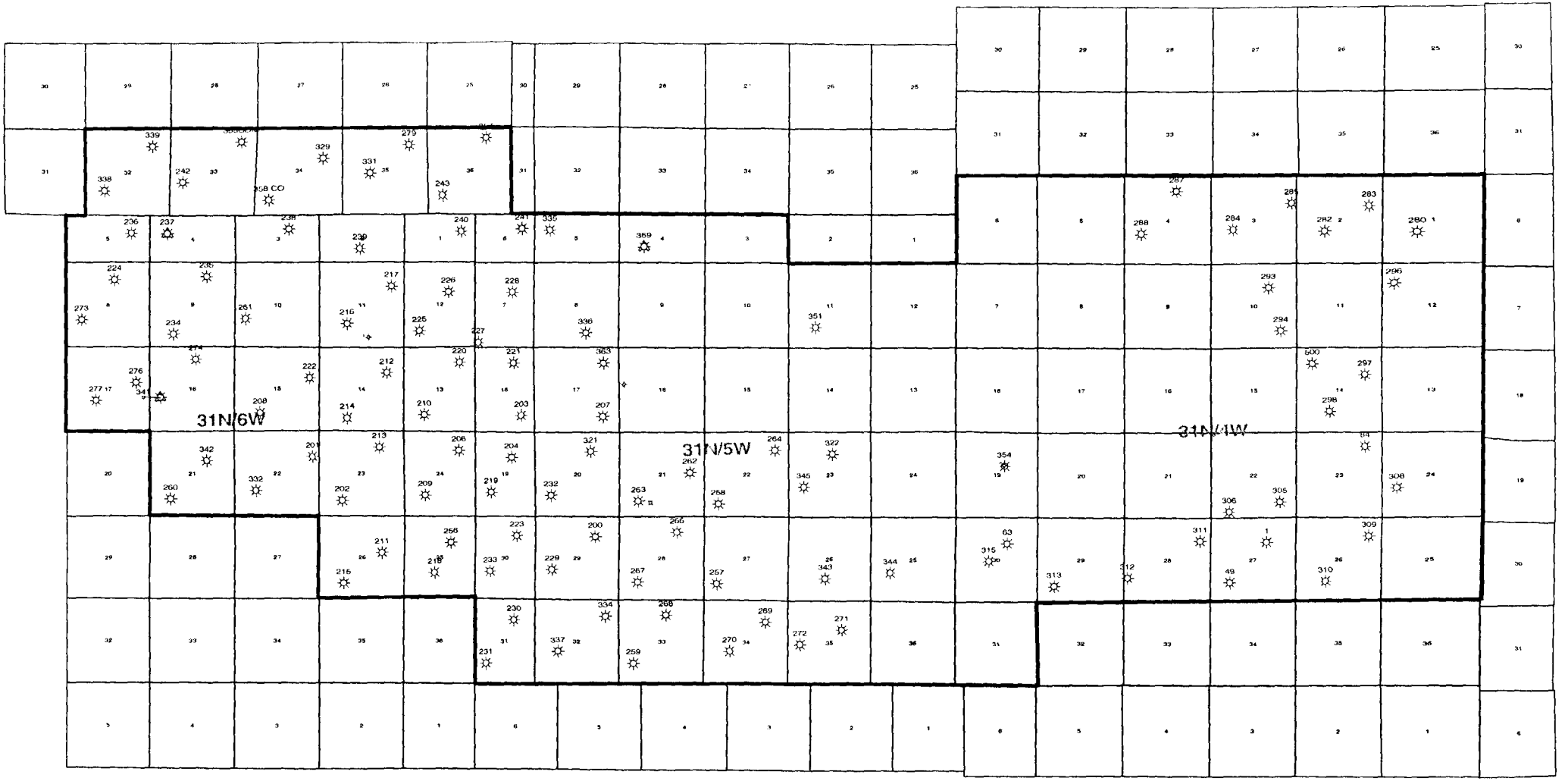
THE WISER OIL COMPANY
ATTN: MATT EAGLESTON
8115 PRESTON ROAD, #400
DALLAS, TX 75225

MR. WILLIAM G. WEBB
8226 DOUGLAS AVENUE, SUITE 709
DALLAS, TX 75225-5929

HENRIETTA E. SCHULTZ, TRUSTEE
500 NORTH AKARD, SUITE 2940
DALLAS, TX 75201

COASTAL OIL & GAS CORPORATION
C/O EL PASO PRODUCTION OIL & GAS
NINE GREENWAY PLAZA
HOUSTON, TX 77048-0995
ATTN: CHAD SHAW

PHILLIPS PETROLEUM COMPANY
ATTN: JIM BALL
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401



Williams Production Co.

ROSA UNIT
FRUITLAND COAL FORMATION WELLS

1/21/2002

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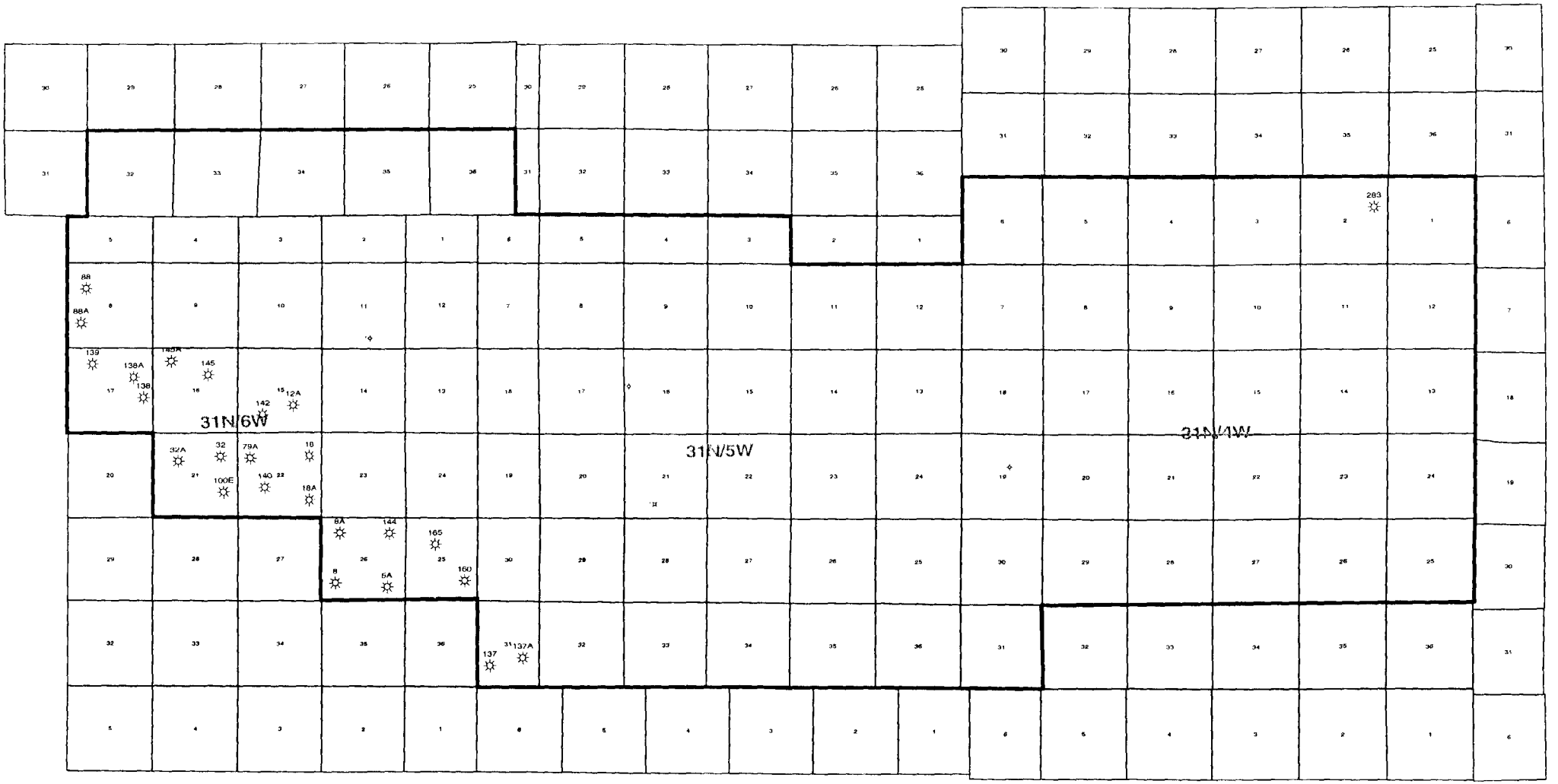
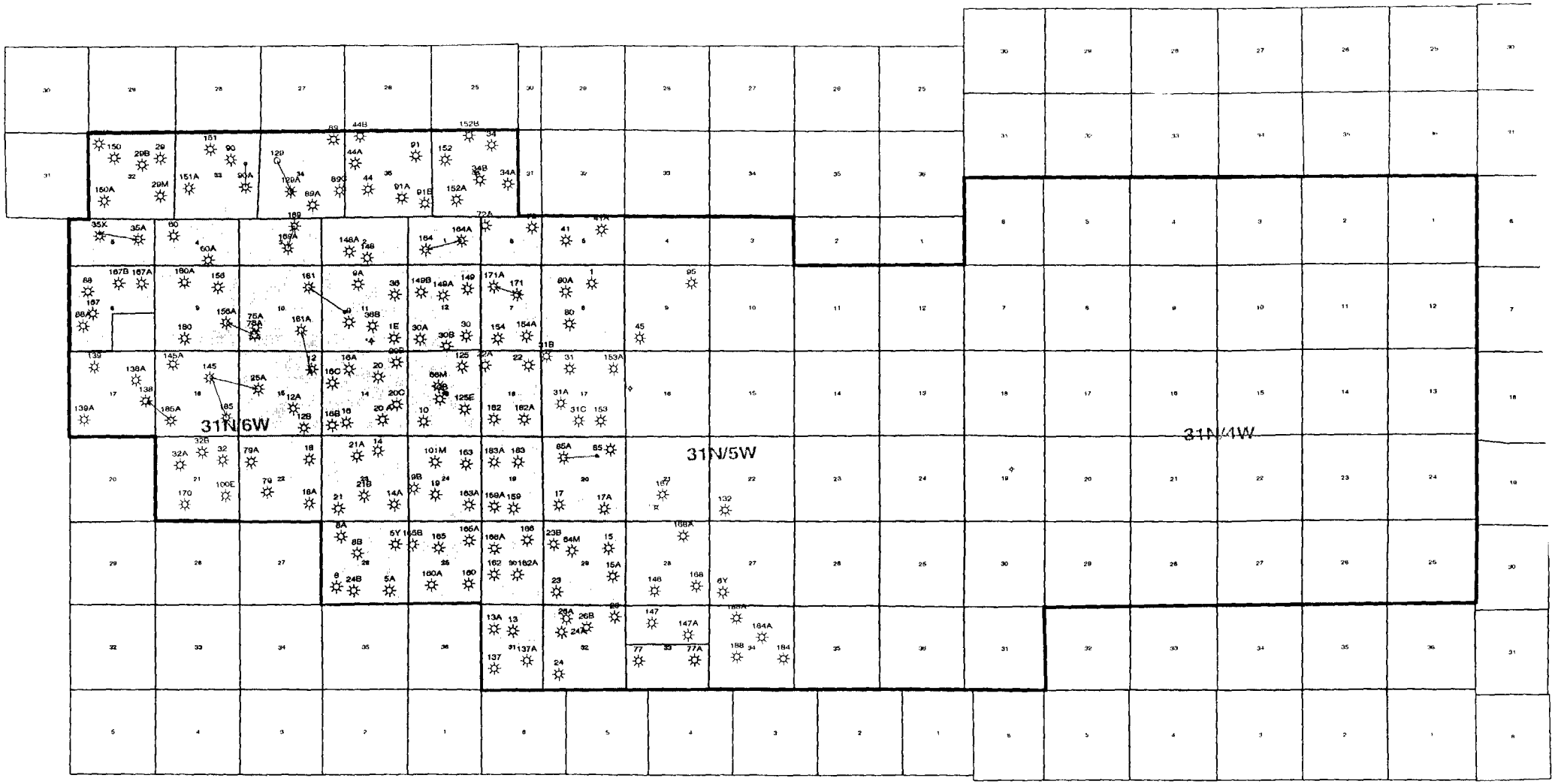


Williams Production Co.

ROSA UNIT
PICTURED CLIFFS FORMATION WELLS

1/21/2002

Scale 1:110059.82



MESAVERDE PARTICIPATING AREA

Williams Production Co.

ROSA UNIT
MESAVERDE FORMATION WELLS

1/21/2002

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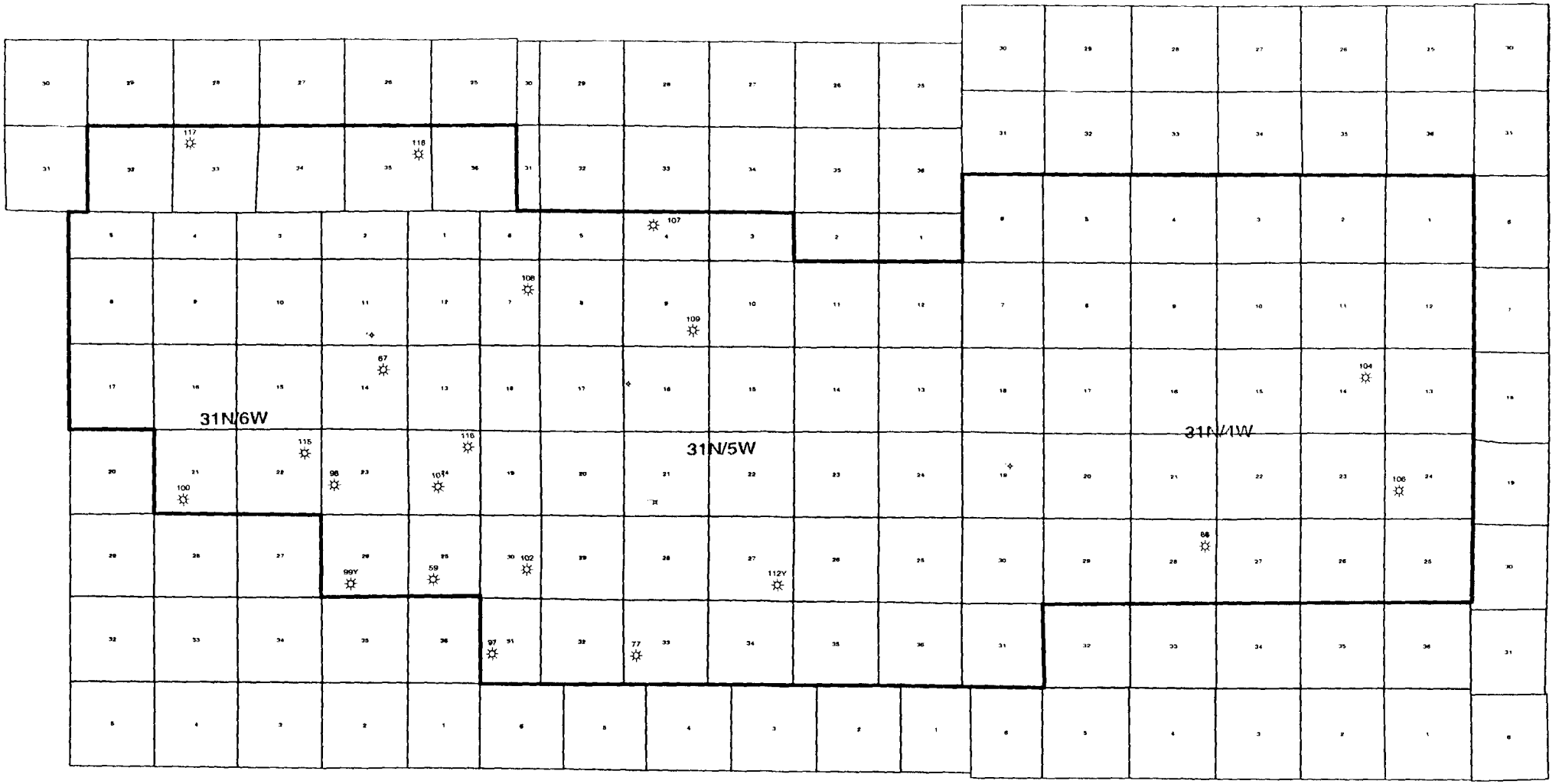
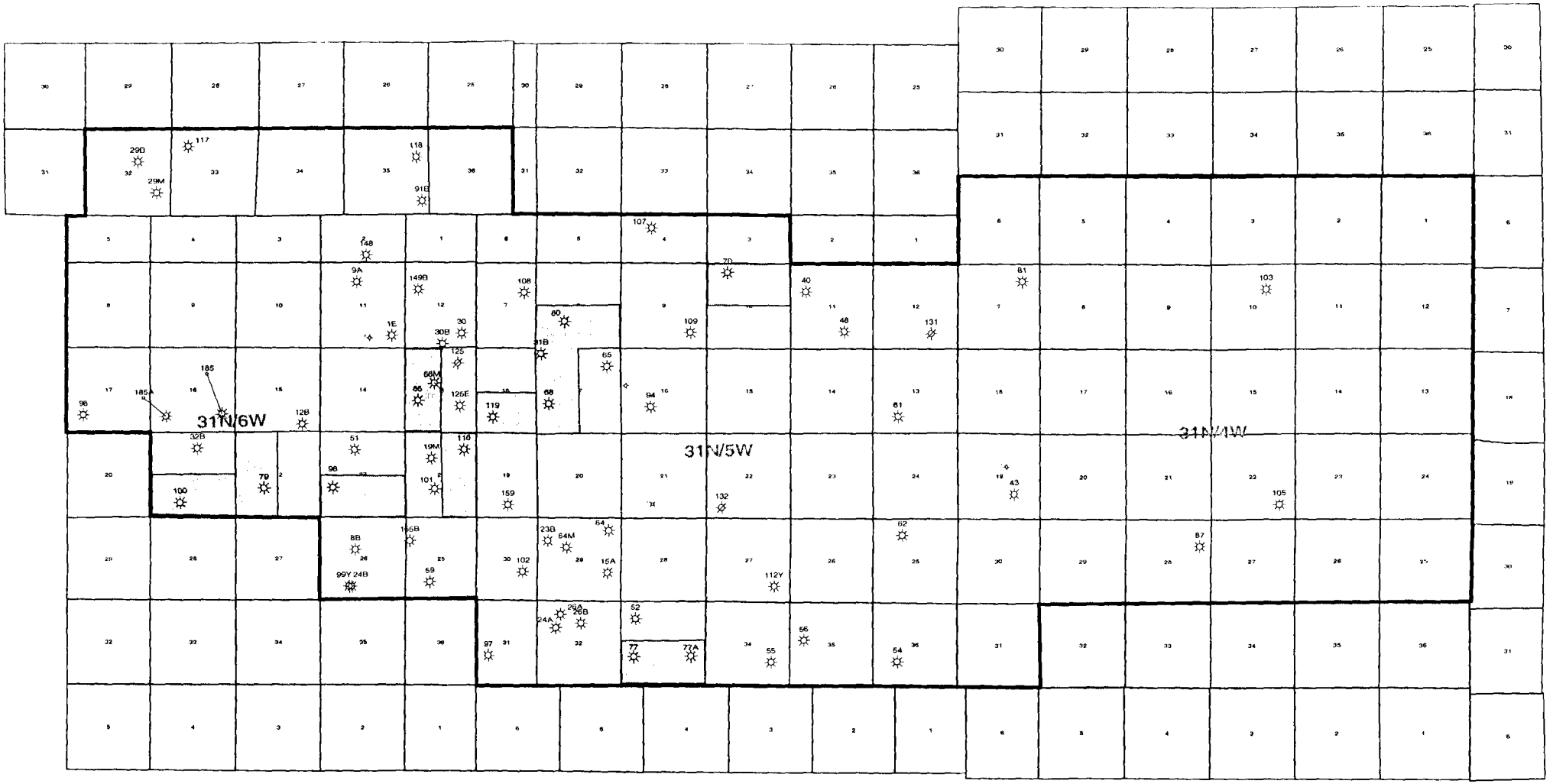


Williams E&P		
ROSA UNIT GALLUP FORMATION WELLS		
		1/25/2001
	Scale 1:110631.41	



Dakota Participating Area

Williams Production Co.

ROSA UNIT
DAKOTA FORMATION WELLS

1/21/2002

Scale 1:110631.41

RECEIVED
JUN 25 2001

Williams

June 13, 2001

Williams Production Company
One Williams Center
P.O. Box 3102
Tulsa, Oklahoma 74101
918/573-6169

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 LaPlata Highway
Farmington, New Mexico 87401

Mr. Floyd O. Prando
Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

Oil Conservation Commission
State of New Mexico
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: Rosa Unit I, Sec.No.587
San Juan & Rio Arriba Counties, New Mexico
Second Supplemental 2001 Plan of Development

Gentlemen:

By letters dated February 12 and March 28, 2001, Williams Production Company as Unit Operator filed the 2001 Plan of Development for the Rosa Unit.

Subsequent to filing the 2001 Plan of Development, it has been proposed that the Rosa Unit #12B, #91B, #138B, #146A, #167B and the #180B be dually completed in the Dakota formation with the Mesaverde completion as indicated in the 2001 Plan of Development filed by Letter dated February 12, 2001. It has also been proposed that the Rosa Unit #17B, #79B, and the #156B be added to the Plan of Development. The well information is as follows:

Well Name	Formation	Spacing
Rosa Unit #12B	Mesaverde	E/2 Sec.15,T31N,R6W
	Dakota	E/2 Sec.15,T31N,R6W
Rosa Unit #17B	Mesaverde	S/2 Sec.20,T31N,R5W
	Dakota	S/2 Sec.20,T31N,R5W
Rosa Unit #79B	Mesaverde	W/2 Sec.22,T31N,R6W
	Dakota	W/2 Sec.22,T31N,R6W
Rosa Unit #91B	Mesaverde	E/2 Sec.35,T32N,R6W
	Dakota	S/2 Sec.35,T32N,R6W
Rosa Unit #138B	Mesaverde	E/2 Sec.17,T31N,R6W
	Dakota	E/2 Sec.17,T31N,R6W

Well Name	Formation	Spacing
Rosa Unit #146A	Mesaverde	W/2 Sec.28,T31N,R5W
	Dakota	W/2 Sec.28,T31N,R5W
Rosa Unit #156B	Mesaverde	E/2 Sec.9,T31N,R6W
	Dakota	E/2 Sec.9,T31N,R6W
Rosa Unit #167B	Mesaverde	E/2 Sec.8,T31N,R6W
	Dakota	E/2 Sec.8,T31N,R6W
Rosa Unit #180B	Mesaverde	W/2 Sec.9,T31N,R6W
	Dakota	W/2 Sec.9,T31N,R6W

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or Working Interest Owners.

If this Second Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheets.

Sincerely yours,

M. Vern Hansen
Senior Landman

cc: Working Interest Owners
Tracy Ross
Kris Russell
Sandra Schmidt

APPROVED: _____ DATE:_____
Assistant District Manager, Mineral
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED: _____ DATE:_____
Commissioner of Public Lands
Subject to like approval by the
Area Oil and Gas Supervisor and
the Oil Conservation Commission

APPROVED: _____ DATE: 6/27/2001
Oil Conservation Commission
Subject to like approval by the
Area Oil and Gas Supervisor and
the Commissioner of Public Lands

The foregoing approvals are for the Second Supplemental 2001 Plan of Development for the Rosa Unit I, Sec.No.587.

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: SAN JUAN ASSET TEAM
P O BOX 3092
HOUSTON, TX 77253-3092

MS. ELIZABETH T. CALLOWAY
P.O. BOX 191767
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EL PASO PRODUCTION COMPANY
Attn: CHAD SHAW
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HOUSTON, TX 77046

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SUITE 1600
DALLAS, TX 75219

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ATTN: IRIS GLEISER
P O BOX 660197
DALLAS, TX 75266-0197

PATRICIA P. SCHIEFFER TESTAMENTARY, TRUST
ATTN: THOMAS SCHIEFFER
777 MAIN STREET, SUITE 3250
FORT WORTH, TX 76102

MR. WILLIAM G. WEBB
8226 DOUGLAS AVENUE, SUITE 709
DALLAS, TX 75225-5929

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ATTN: ANDY LYDYARD
1050 17TH STREET, SUITE 1850
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SCHULTZ MANAGEMENT, LTD.
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DALLAS, TX 75201

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

XTO ENERGY INC.
ATTN: EDWIN S. RYAN, JR.
810 HOUSTON STREET, SUITE 2000
FORT WORTH, TX 76102-6298

J. K. EDWARDS ASSOCIATES
ATTN: KEITH EDWARDS
1401 17th STREET, SUITE 1400
DENVER, CO 80202

MR. JOHN TURNER
PMB 285
317 SIDNEY BAKER SOUTH #400
KERRVILLE, TX 78028

THE WISER OIL COMPANY
ATTN: MATT EAGLESTON
8115 PRESTON ROAD, #400
DALLAS, TX 75225

PHILLIPS PETROLEUM COMPANY
ATTN: JIM BALL
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

HENRIETTA E. SCHULTZ, TRUSTEE
500 NORTH AKARD, SUITE 2940
DALLAS, TX 75201

Williams Production Company,LLC
One Williams Center
P.O. Box 3102
Tulsa, Oklahoma 74101
918/573-6181

May 22, 2001

Bureau of Land Management (3 copies)
Farmington Resource Area
Attn: Mr. Wayne Townsend
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico (2 copies)
Commissioner of Public Lands
Attn: Mr. Pete Martinez
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

State of New Mexico (2 copies)
Oil Conservation Division
Attn: Lori Wrotenberg
1200 South St. Francis Drive
P.O. Box 2308
Santa Fe, NM 87504-2308

Re: Rosa Unit I, Sec. No.587
San Juan and Rio Arriba Counties, New Mexico
NOTICE OF COMPLETION OF COMMERCIAL WELLS
Pictured Cliffs formation

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement I Sec. No. 587, Williams Production company, LLC, as Unit Operator, has determined that the Rosa Unit #5A, #8, #8A, #12A, #18, #18A, #32A, #79A, #100E, #140, #144, #165 are capable of producing unitized substances in paying quantities from the Pictured Cliffs formation.

The well data is as follows:

WELL DATA

Commercial Wells

The Rosa Unit #5A well (commercial) is located 845 feet from the South line and 1131 feet from the East Line, Section 26, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 13, 1994,

and completed in the Pictured Cliff formation on August 3, 1994. The Pictured Cliff Formation was perforated with 60 holes between the following depths:

3250' to 3344'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. The well was shut in with a SIPT of 1397 psig. On August 3, 1994 the well was tested and after flowing for three hours through a ¾ inch variable choke on the 1½ inch tubing, the well gauged 3095 Mfc/D with a calculated AOF of 6304 Mfc/D.

The Rosa Unit #8 well (commercial) is located 1110 feet from the South line and 900 feet from the West Line, Section 26, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 2, 1955, and completed in the Pictured Cliff formation on December 1, 1955. The Pictured Cliff Formation was perforated with 36 holes between the following depths:

3272' to 3327'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. The well was shut in with a SIPT of 1397 psig. On August 21, 1994 the well was tested and after flowing for three hours through a ¾ inch variable choke on the 1½ inch tubing, the well gauged 2556 Mfc/D with a calculated AOF of 3569 Mfc/D.

The Rosa Unit #8A well (commercial) is located 963 feet from the North line and 1184 feet from the West Line, Section 26, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 2, 1994, and completed in the Pictured Cliff formation on August 31, 1994. The Pictured Cliff Formation was perforated with 40 holes between the following depths:

3113' to 3206'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. The well was shut in with a SIPT of 1418 psig. On September 12, 1994 the well was tested and after flowing for three hours through a ¾ inch variable choke on the 1½ inch tubing, the well gauged 3862 Mfc/D with a calculated AOF of 8107 Mfc/D.

The Rosa Unit #12A well (commercial) is located 1695 feet from the South line and 1840 feet from the East Line, Section 15, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 17, 1998, and completed in the Pictured Cliff formation on September 24, 1998. The Pictured Cliff Formation was perforated with 20 holes between the following depths:

3195' to 3290'

These perforations were sand /water fractured. This well has a 2 3/8 inch tubing string. The well was shut in with a SIPT of 1420 psig. On June 20, 1999 the well was tested and after flowing for three hours through a ¾ inch variable choke on the 1½ inch tubing, the well gauged 1204 Mfc/D with a calculated AOF of 1311 Mfc/D.

The Rosa Unit #18 well (commercial) is located 1470 feet from the North line and 800 feet from the East Line, Section 22, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on October 10, 1956, and completed in the Pictured Cliff formation on August 10, 1994. The Pictured Cliff Formation was perforated with 65 holes between the following depths:

3139' to 3225'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. On September 18, 1994 the well was tested and after flowing for five hours through a pitot on a 2 inch choke on the 1½ inch tubing, the well gauged 1237 Mfc/D.

The Rosa Unit #18A well (commercial) is located 1106 feet from the South line and 791 feet from the East Line, Section 2, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 9, 1994, and completed in the Pictured Cliff formation on August 18, 1994. The Pictured Cliff Formation was perforated with 65 holes between the following depths:

3139' to 3225'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. The well was shut in with a SIPT of 1418 psig. On August 13, 1994 the well was tested and after flowing for three hours through a ¾ inch variable choke on the 1½ inch tubing, the well gauged 3836 Mfc/D with a calculated AOF of 3997 Mfc/D.

The Rosa Unit #32A well (commercial) is located 1771 feet from the North line and 1557 feet from the West Line, Section 21, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 23, 1994, and completed in the Pictured Cliff formation on August 18, 1994. The Pictured Cliff Formation was perforated with 72 holes between the following depths:

3168' to 3272'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. The well was shut in with a SIPT of 1289 psig. On August 18, 1994 the well was tested and after flowing for three hours through a ¾ inch variable choke on the 1½ inch tubing, the well gauged 1214 Mfc/D with a calculated AOF of 1512 Mfc/D.

The Rosa Unit #79A well (commercial) is located 1597 feet from the North line and 790 feet from the West Line, Section 22, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 2, 1994, and completed in the Pictured Cliff formation on August 13, 1994. The Pictured Cliff Formation was perforated with 56 holes between the following depths:

3111' to 3240'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. On August 13, 1994 the well was pitot tested and after flowing for one hour through a 2 - inch choke on the 1½ inch tubing, the well gauged 970 Mfc/D.

The Rosa Unit #100E well (commercial) is located 1570 feet from the South line and 870 feet from the East Line, Section 21, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on November 5, 1991, and completed in the Pictured Cliff formation on September 5, 1994. The Pictured Cliff Formation was perforated with 52 holes between the following depths:

3156' to 3218'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. On September 5, 1994 the well was pitot tested and after flowing for one hour through a 2 " inch choke on the 1½ inch tubing, the well gauged 565 Mfc/D.

The Rosa Unit #140 well (commercial) is located 1861 feet from the South line and 1705 feet from the West Line, Section 22, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 11, 1994, and completed in the Pictured Cliff formation on August 27, 1994. The Pictured Cliff Formation was perforated with 56 holes between the following depths:

3109' to 3171'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. The well was shut in with a SIPT of 1322 psig. On August 27, 1994 the well was tested and after flowing for three hours through a ¾ inch variable choke on the 1½ inch tubing, the well gauged 1200 Mfc/D with a calculated AOF of 1227 Mfc/D.

The Rosa Unit #144 well (commercial) is located 983 feet from the North line and 1029 feet from the East Line, Section 26, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 24, 1994, and completed in the Pictured Cliff formation on September 26, 1994. The Pictured Cliff Formation was perforated with 35 holes between the following depths:

3121' to 3220'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. On September 26, 1994 the well was pitot tested and after flowing for five hours through a 2 - inch choke on the 1½ inch tubing, the well gauged 1374 Mfc/D.

The Rosa Unit #165 well (commercial) is located 1655 feet from the North line and 1850 feet from the West Line, Section 25, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 13, 1990, and completed in the Pictured Cliff formation on September 5, 1990. The Pictured Cliff Formation was perforated with 28 holes between the following depths:

3229' to 3426'

These perforations were sand/water fractured. This well has a 1½ inch tubing string. On September 5, 1999 the well was pitot tested and after flowing for three hours through a 2 inch choke on the 1½ inch tubing the well gauged 83 Mfc/D.

If these determinations meet with your approval, please indicate such approval in the space provided and return an approved copy for our files.

Copies of this letter are being sent to the Unit working interest owners on the attached sheet.

Sincerely,

Kris Russell

Kris Russell
Sr. Production Analyst
918/573-6181

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
May 22, 2001

APPROVED _____ DATE _____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands
And The Oil Conservation Commission

APPROVED _____ DATE _____
Commissioner of Public Lands
Subject to like approval by the
Bureau of Land Management
And The Oil Conservation Commission

APPROVED _____ DATE _____
Oil Conservation Commission
Subject to like approval by the
Bureau of Land Management
And The Commissioner of Public lands

The foregoing is the approval of Notice of Completion of Commercial wells for the Rosa Unit #5A, #8, #8A, #12A, #18, #18A, #32A, #79A, #100E, #140, #144, #165 in the Pictured Cliffs formation.

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: SAN JUAN ASSET TEAM
P.O. BOX 3092
HOUSTON, TX 77253-3092

MS. ELIZABETH T. CALLOWAY
P.O. BOX 191767
DALLAS, TX 75219-1767

COASTAL OIL & GAS CORPORATION
C/O EL PASO PRODUCTION COMPANY
ATTN: CHAD SHAW RM 1512
NINE GREENWAY PLAZA
HOUSTON, TX 77046

MR. J. GLENN TURNER, JR
3838 OAK LAWN
SUITE 1600
DALLAS, TX 75219

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P.O. BOX 660197
DALLAS, TX 75266-0197

PATRICIA P. SCHEIFFER TESTAMENTARY, TRUST
ATTN: THOMAS SCHIEFFER
777 MAIN STREET, SUITE 3250
FORT WORTH, TX 76102

MR. WILLIAM G. WEBB
8226 DOUGLAS AVENUE, SUITE 709
DALLAS, TX 75225-5929

J.M. HUBER CORPORTION
ATTN: ANDY LYDYARD
1050 17TH STREET, SUITE 1850
DENVER, CO 80265

SCHULTZ MANAGEMENT, LTD
500 N. AKARD, SUITE 2940
DALLAS, TX 75201

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

CROSS TIMBERS OIL COMPANY
ATTN: EDWIN S. RYAN, JR.
810 HOUSTON STREET, SUITE 2000
FORT WORTH, TX 75102-6298

J.K. EDWARDS ASSOCIATES
ATTN: KEITH EDWARDS
1401 17TH STREET, SUITE 1400
DENVER, CO 80202

MR. JOHN TURNER
PMB 285
317 SIDNEY BAKER SOUTH #400
KERRVILLE, TX 78028

THE WISER OIL COMPANY
ATTN: MATT EAGLESTON
8115 PRESTON ROAD, #400
DALLAS, TX 75225

PHILLIPS PETROLEUM COMPANY
ATTN: JIM BALL
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

HENRIETTA E. SCHULTZ, TRUSTEE
500 NORTH AKARD, SUITE 2940
DALLAS, TX 75201

ROSA UNIT #005A WILLIAMS PRODU

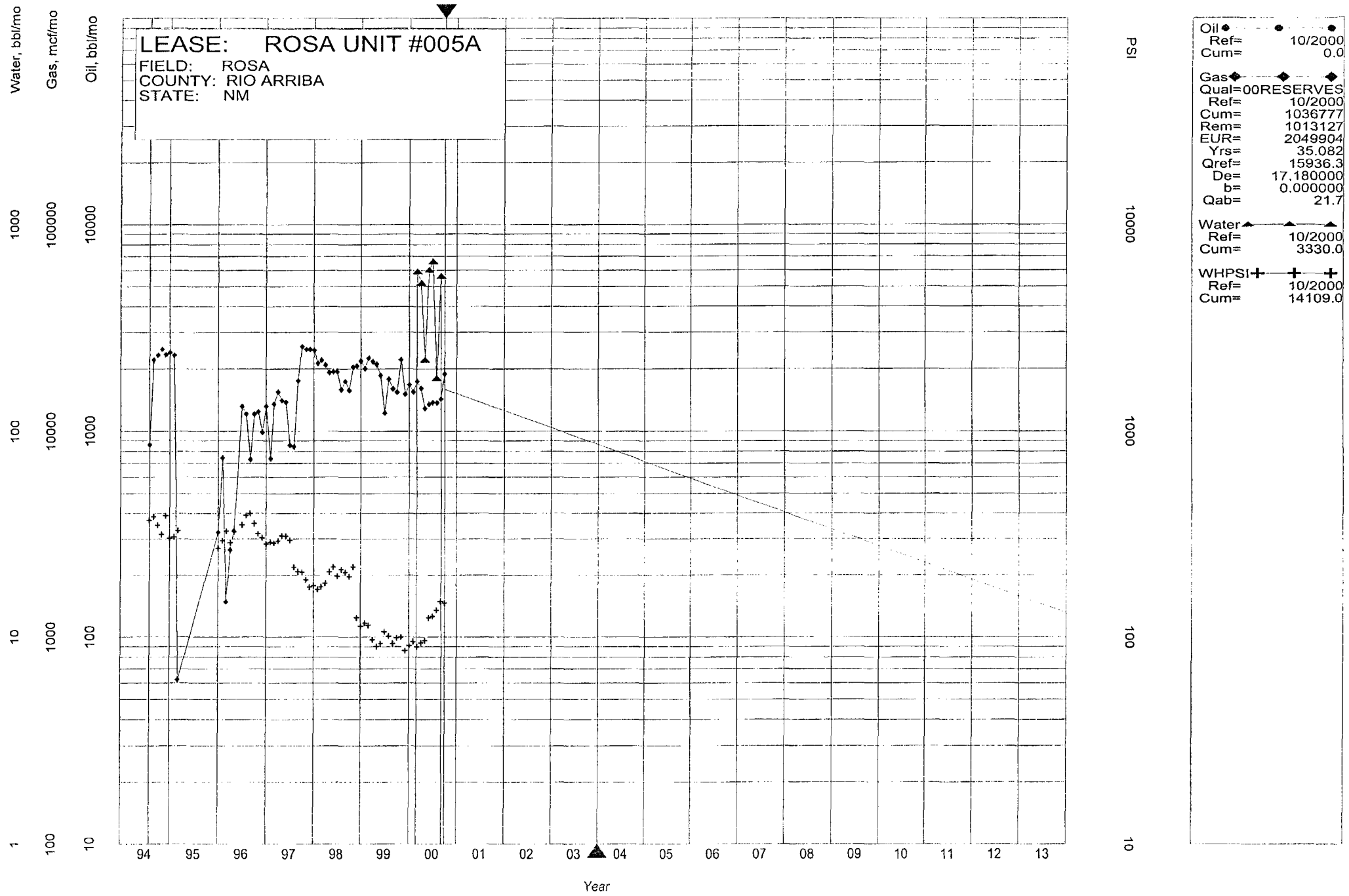
DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	OPER EXPENSES ---M$---	NET INVESTMENT ----M$----	TOTAL NET INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	102.155	0.000	65.252	0.00	1.316	78.115	3.650	128.480	-54.015	-54.015	-54.604
12-95	0.000	47.871	0.000	30.578	0.00	0.896	24.923	8.760	0.000	16.163	-37.852	-39.724
12-96	0.000	85.134	0.000	54.379	0.00	1.344	66.484	8.760	0.000	57.724	19.872	5.156
12-97	0.000	187.284	0.000	119.628	0.00	1.959	213.292	8.760	0.000	204.532	224.404	150.580
12-98	0.000	236.874	0.000	151.303	0.00	1.530	210.676	8.760	0.000	201.916	426.320	282.403
12-99	0.000	224.500	0.000	143.399	0.00	1.717	224.021	8.760	0.000	215.261	641.580	410.241
12-00	0.000	178.004	0.000	113.700	0.00	3.088	319.530	8.760	0.000	310.770	952.350	577.784
12-01	0.000	156.442	0.000	99.928	0.00	5.159	469.174	8.760	0.000	460.414	1412.764	803.480
12-02	0.000	129.566	0.000	82.760	0.00	5.159	388.570	8.760	0.000	379.810	1792.573	972.738
12-03	0.000	107.306	0.000	68.542	0.00	5.159	321.813	8.760	0.000	313.053	2105.627	1099.566
12-04	0.000	88.871	0.000	56.766	0.00	5.159	266.526	8.760	0.000	257.766	2363.392	1194.502
12-05	0.000	73.603	0.000	47.014	0.00	5.159	220.737	8.760	0.000	211.977	2575.369	1265.477
12-06	0.000	60.958	0.000	38.937	0.00	5.159	182.814	8.760	0.000	174.054	2749.424	1318.458
12-07	0.000	50.485	0.000	32.248	0.00	5.159	151.407	8.760	0.000	142.647	2892.070	1357.932
12-08	0.000	41.812	0.000	26.707	0.00	5.159	125.395	8.760	0.000	116.635	3008.705	1387.274
S TOT	0.000	1770.865	0.000	1131.140	0.00	3.170	3263.475	126.290	128.480	3008.705	3008.705	1387.274
AFTER	0.000	185.990	0.000	118.801	0.00	5.159	557.786	118.990	0.000	438.796	3447.501	1465.378
TOTAL	0.000	1956.855	0.000	1249.941	0.00	3.360	3821.261	245.280	128.480	3447.501	3447.501	1465.378

	OIL	GAS			P.W. %	P.W., M$
GROSS WELLS	0.0	1.0	LIFE, YRS.	28.58	5.00	2186.748
GROSS ULT., MB & MMF	0.000	1956.855	DISCOUNT %	10.00	10.00	1465.378
GROSS CUM., MB & MMF	0.000	0.000	UNDISCOUNTED PAYOUT, YRS.	2.66	15.00	1024.126
GROSS RES., MB & MMF	0.000	1956.855	DISCOUNTED PAYOUT, YRS.	2.89	20.00	739.514
NET RES., MB & MMF	0.000	1249.941	UNDISCOUNTED NET/INVEST.	27.83	25.00	547.883
NET REVENUE, M$	0.000	4199.189	DISCOUNTED NET/INVEST.	12.87	30.00	414.203
INITIAL PRICE, $	0.000	1.316	RATE-OF-RETURN, PCT.	100.00	40.00	247.314
INITIAL N.I., PCT.	0.000	63.875	INITIAL W.I., PCT.	73.000	60.00	95.594
					80.00	33.718
					100.00	3.697


LEASE: ROSA UNIT #005A
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
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1000
10000
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Year
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Gas
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b= 0.000000
Qab= 21.7
Water
Ref= 10/2000
Cum= 3330.0
WHPSI
Ref= 10/2000
Cum= 14109.0

ROSA UNIT #008 WILLIAMS PRODUC

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

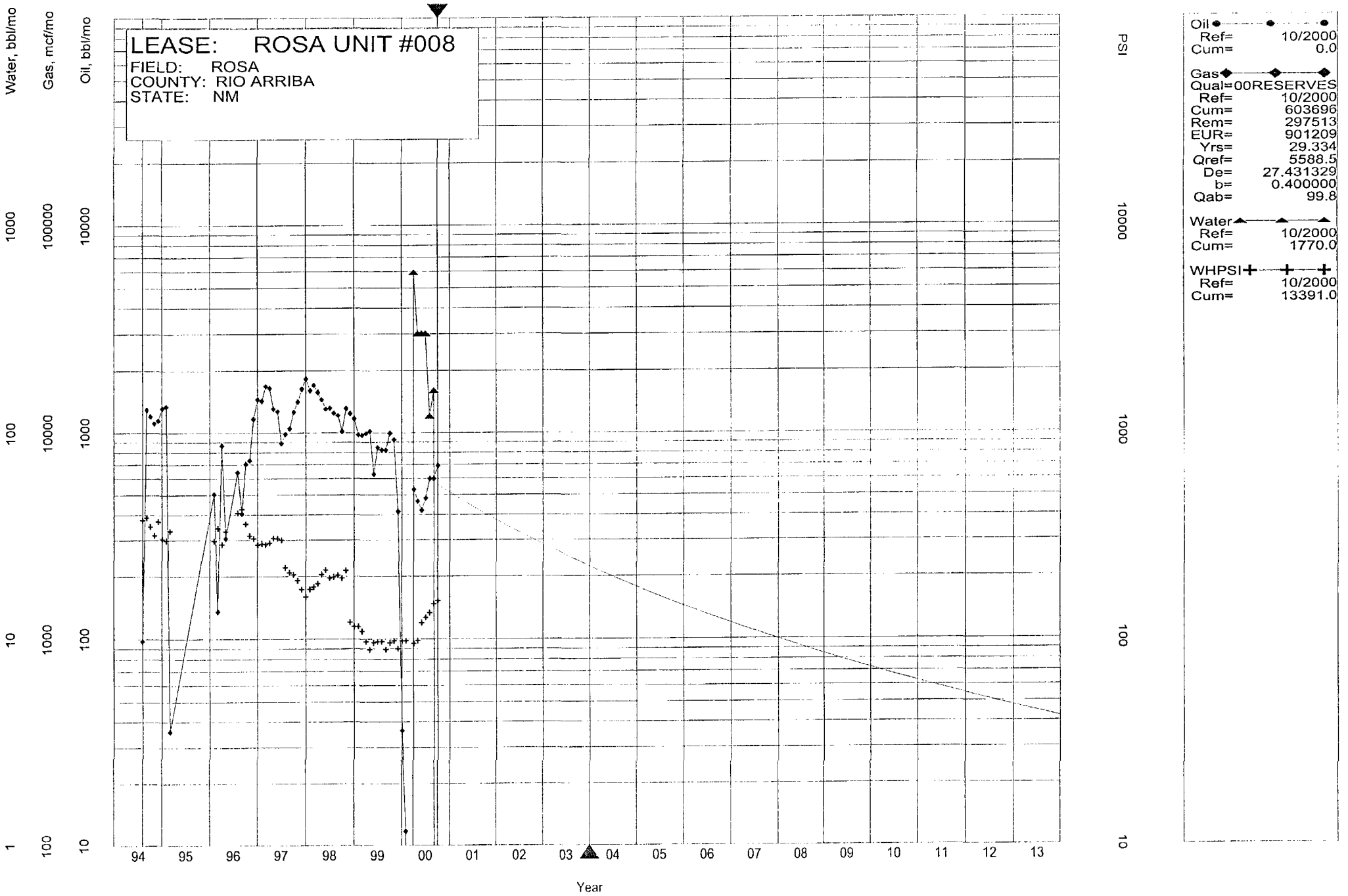
AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	OPER EXPENSES ---M$---	NET INVESTMENT ----M$----	TOTAL NET INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	48.728	0.000	31.125	0.00	1.306	36.993	3.650	127.750	-94.407	-94.407	-91.962
12-95	0.000	27.075	0.000	17.294	0.00	0.889	13.995	8.760	0.000	5.235	-89.172	-86.939
12-96	0.000	54.695	0.000	34.936	0.00	1.334	42.407	8.760	0.000	33.647	-55.525	-60.840
12-97	0.000	160.515	0.000	102.529	0.00	1.945	181.493	8.760	0.000	172.733	117.207	63.125
12-98	0.000	168.534	0.000	107.651	0.00	1.519	148.818	8.760	0.000	140.058	257.265	154.744
12-99	0.000	105.846	0.000	67.609	0.00	1.704	104.862	8.760	0.000	96.102	353.367	211.890
12-00	0.000	47.472	0.000	30.323	0.00	3.066	84.604	8.760	0.000	75.844	429.211	252.161
12-01	0.000	52.826	0.000	33.742	0.00	5.122	157.287	8.760	0.000	148.527	577.737	325.048
12-02	0.000	39.384	0.000	25.156	0.00	5.122	117.264	8.760	0.000	108.504	686.242	373.442
12-03	0.000	30.286	0.000	19.345	0.00	5.122	90.177	8.760	0.000	81.417	767.659	406.448
12-04	0.000	23.882	0.000	15.254	0.00	5.122	71.107	8.760	0.000	62.347	830.006	429.422
12-05	0.000	19.225	0.000	12.280	0.00	5.122	57.241	8.760	0.000	48.481	878.487	445.661
12-06	0.000	15.747	0.000	10.058	0.00	5.122	46.886	8.760	0.000	38.126	916.612	457.270
12-07	0.000	13.090	0.000	8.361	0.00	5.122	38.976	8.760	0.000	30.216	946.828	465.633
12-08	0.000	11.021	0.000	7.040	0.00	5.122	32.816	8.760	0.000	24.056	970.883	471.686
S TOT	0.000	818.325	0.000	522.705	0.00	2.575	1224.924	126.290	127.750	970.883	970.883	471.686
AFTER	0.000	55.225	0.000	35.275	0.00	5.122	164.430	87.600	0.000	76.830	1047.714	486.042
TOTAL	0.000	873.550	0.000	557.980	0.00	2.736	1389.354	213.890	127.750	1047.714	1047.714	486.042

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	873.550
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	873.550
NET RES., MB & MMF	0.000	557.980
NET REVENUE, M$	0.000	1526.763
INITIAL PRICE, $	0.000	1.306
INITIAL N.I., PCT.	0.000	63.875

LIFE, YRS.	25.00
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	3.32
DISCOUNTED PAYOUT, YRS.	3.49
UNDISCOUNTED NET/INVEST.	9.20
DISCOUNTED NET/INVEST.	4.96
RATE-OF-RETURN, PCT.	61.05
INITIAL W.I., PCT.	73.000

P.W. %	P.W., M$
5.00	700.387
10.00	486.042
15.00	345.996
20.00	250.238
25.00	182.316
30.00	132.668
40.00	66.984
60.00	1.790
80.00	-27.034
100.00	-41.432


LEASE: ROSA UNIT #008
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
Year
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Oil
Ref= 10/2000
Cum= 0.0
Gas
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Ref= 10/2000
Cum= 603696
Rem= 297513
EUR= 901209
Yrs= 29.334
Qref= 5588.5
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Qab= 99.8
Water
Ref= 10/2000
Cum= 1770.0
WHPSI
Ref= 10/2000
Cum= 13391.0

ROSA UNIT #008A WILLIAMS PRODU

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

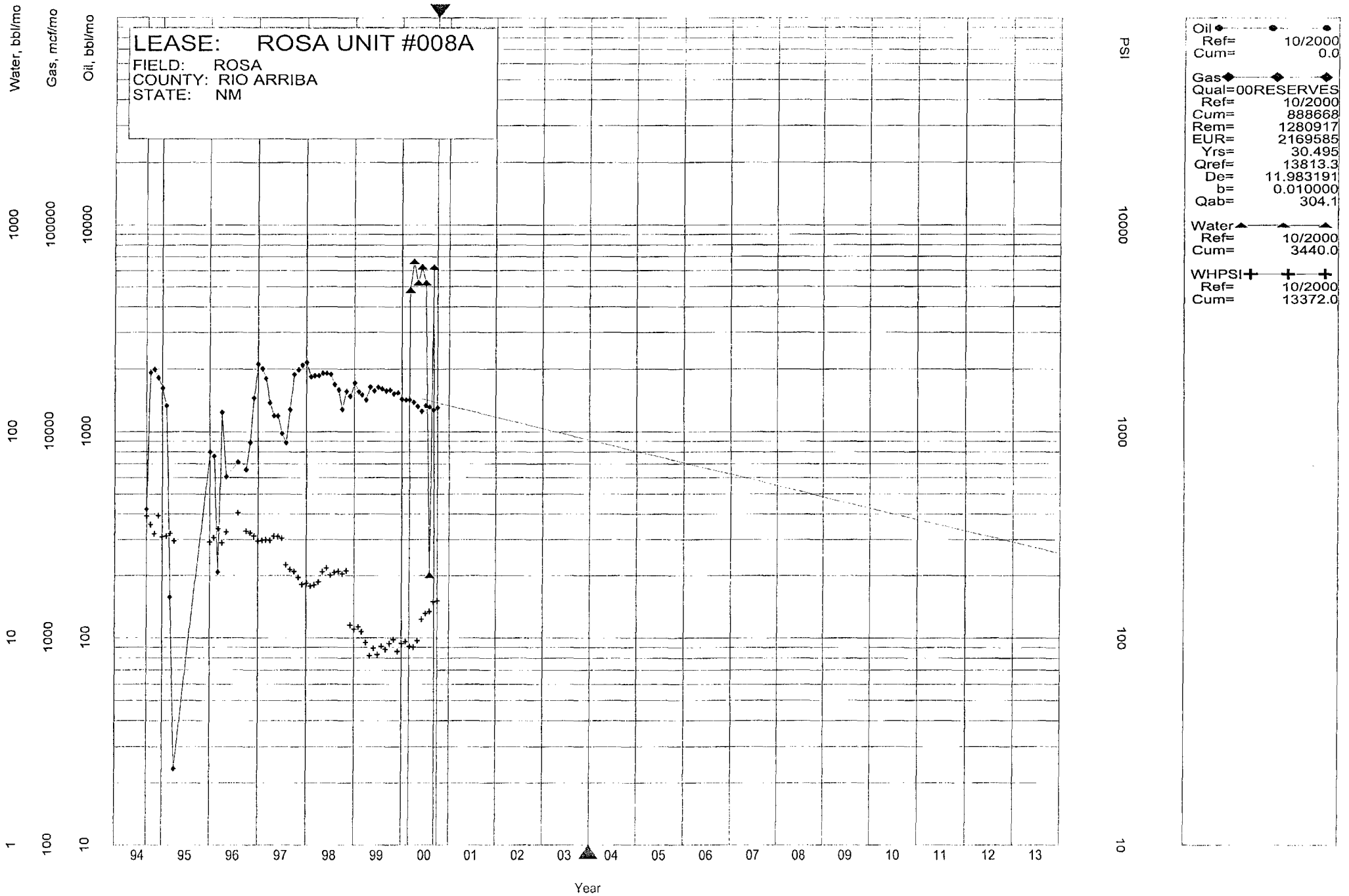
AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	OPER NET EXPENSES ---M$---	TOTAL INVESTMENT ----M$----	NET INCOME BEFORE FIT ----M$----	CUMULATIVE CUM NET INCOME ----M$----	DISC NET INCOME ----M$----
12-94	0.000	61.685	0.000	39.401	0.00	1.312	47.037	2.920	124.100	-79.983	-79.983	-77.694
12-95	0.000	31.378	0.000	20.043	0.00	0.893	16.291	8.760	0.000	7.531	-72.452	-70.603
12-96	0.000	73.251	0.000	46.789	0.00	1.340	57.045	8.760	0.000	48.285	-24.167	-32.671
12-97	0.000	188.111	0.000	120.156	0.00	1.954	213.637	8.760	0.000	204.876	180.709	114.209
12-98	0.000	210.408	0.000	134.398	0.00	1.526	186.616	8.760	0.000	177.856	358.565	230.443
12-99	0.000	188.973	0.000	120.706	0.00	1.712	188.044	8.760	0.000	179.284	537.849	336.645
12-00	0.000	162.566	0.000	103.839	0.00	3.080	291.005	8.760	0.000	282.245	820.094	488.703
12-01	0.000	150.728	0.000	96.277	0.00	5.145	450.776	8.760	0.000	442.016	1262.110	705.274
12-02	0.000	132.682	0.000	84.751	0.00	5.145	396.807	8.760	0.000	388.047	1650.157	878.119
12-03	0.000	116.815	0.000	74.616	0.00	5.145	349.355	8.760	0.000	340.595	1990.752	1016.036
12-04	0.000	102.863	0.000	65.704	0.00	5.145	307.628	8.760	0.000	298.868	2289.620	1126.055
12-05	0.000	90.592	0.000	57.865	0.00	5.145	270.929	8.760	0.000	262.169	2551.789	1213.790
12-06	0.000	79.797	0.000	50.970	0.00	5.145	238.646	8.760	0.000	229.886	2781.675	1283.729
12-07	0.000	70.300	0.000	44.904	0.00	5.145	210.244	8.760	0.000	201.484	2983.159	1339.455
12-08	0.000	61.943	0.000	39.566	0.00	5.145	185.251	8.760	0.000	176.491	3159.650	1383.830
S TOT	0.000	1722.093	0.000	1099.987	0.00	3.406	3409.311	125.560	124.100	3159.650	3159.650	1383.830
AFTER	0.000	440.300	0.000	281.241	0.00	5.145	1316.787	210.240	0.000	1106.547	4266.197	1551.343
TOTAL	0.000	2162.393	0.000	1381.228	0.00	3.760	4726.097	335.800	124.100	4266.197	4266.197	1551.343

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	2162.392
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	2162.392
NET RES., MB & MMF	0.000	1381.228
NET REVENUE, M$	0.000	5193.513
INITIAL PRICE, $	0.000	1.312
INITIAL N.I., PCT.	0.000	63.875

LIFE, YRS.	39.00
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	3.12
DISCOUNTED PAYOUT, YRS.	3.22
UNDISCOUNTED NET/INVEST.	35.38
DISCOUNTED NET/INVEST.	14.11
RATE-OF-RETURN, PCT.	89.24
INITIAL W.I., PCT.	73.000

P.W. %	P.W., M$
5.00	2465.009
10.00	1551.343
15.00	1035.530
20.00	720.902
25.00	517.543
30.00	380.047
40.00	214.051
60.00	69.960
80.00	14.053
100.00	-11.894


LEASE: ROSA UNIT #008A
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
Year
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Oil
Ref= 10/2000
Cum= 0.0
Gas
Qual=00RESERVES
Ref= 10/2000
Cum= 888668
Rem= 1280917
EUR= 2169585
Yrs= 30.495
Qref= 13813.3
De= 11.983191
b= 0.010000
Qab= 304.1
Water
Ref= 10/2000
Cum= 3440.0
WHPSI
Ref= 10/2000
Cum= 13372.0

ROSA UNIT #12A WILLIAMS PRODUC

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

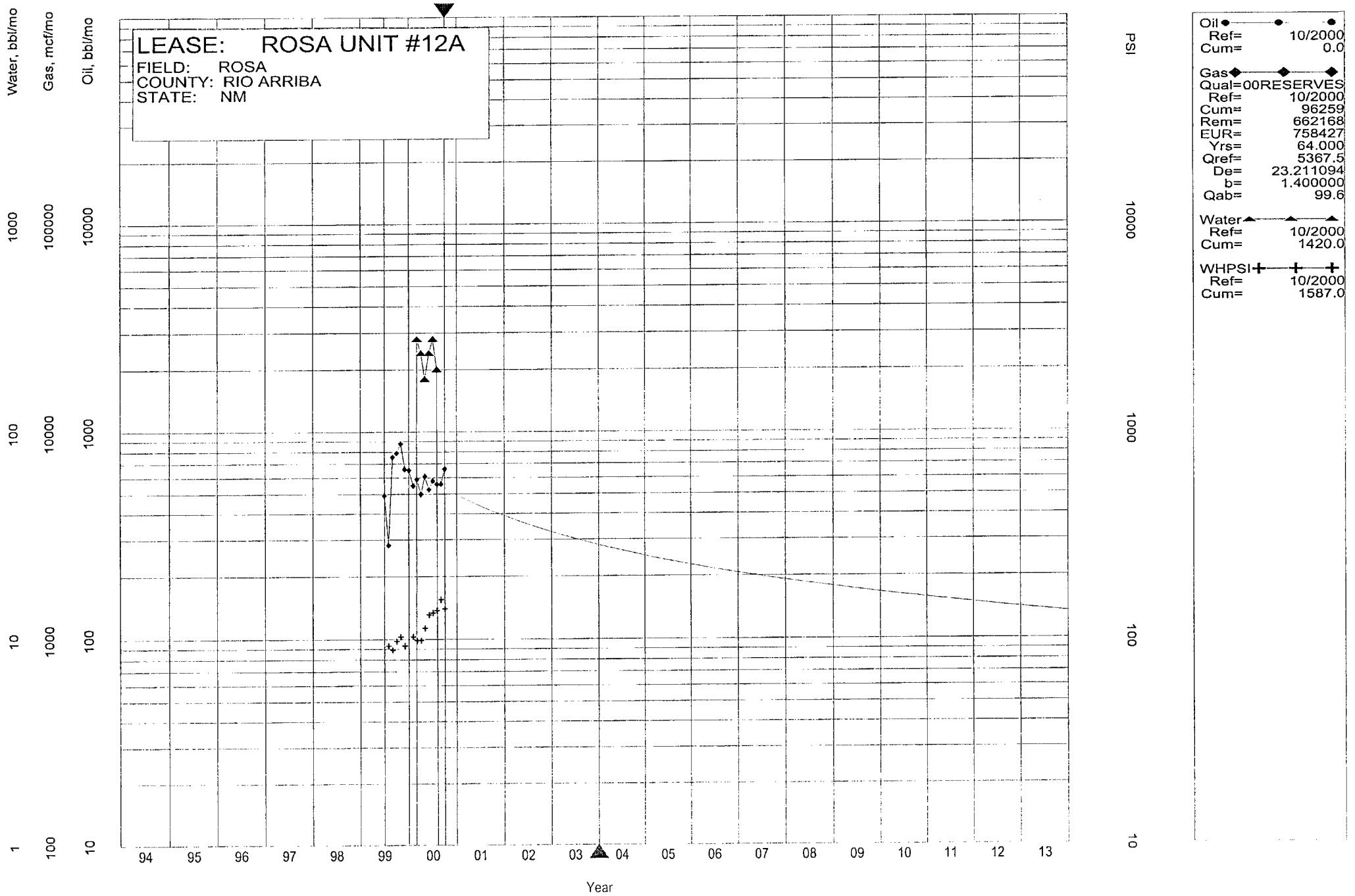
AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	NET OPER EXPENSES ---M$---	TOTAL NET INVESTMENT ----M$----	INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-95	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-96	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-97	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-98	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-99	0.000	38.523	0.000	24.607	0.00	1.774	39.718	4.380	182.500	-147.162	-147.162	-89.408
12-00	0.000	66.643	0.000	42.568	0.00	3.191	123.603	8.760	0.000	114.843	-32.319	-27.490
12-01	0.000	52.680	0.000	33.649	0.00	5.331	163.237	8.760	0.000	154.477	122.158	48.272
12-02	0.000	42.745	0.000	27.303	0.00	5.331	132.453	8.760	0.000	123.693	245.851	103.395
12-03	0.000	36.384	0.000	23.240	0.00	5.331	112.742	8.760	0.000	103.982	349.833	145.508
12-04	0.000	31.909	0.000	20.382	0.00	5.331	98.876	8.760	0.000	90.116	439.949	178.682
12-05	0.000	28.564	0.000	18.245	0.00	5.331	88.509	8.760	0.000	79.749	519.698	205.367
12-06	0.000	25.954	0.000	16.578	0.00	5.331	80.421	8.760	0.000	71.661	591.359	227.163
12-07	0.000	23.852	0.000	15.235	0.00	5.331	73.908	8.760	0.000	65.148	656.508	245.175
12-08	0.000	22.117	0.000	14.127	0.00	5.331	68.533	8.760	0.000	59.773	716.281	260.198
S TOT	0.000	369.370	0.000	235.935	0.00	4.574	982.001	83.220	182.500	716.281	716.281	260.198
AFTER	0.000	350.647	0.000	223.976	0.00	5.331	1086.539	340.910	0.000	745.629	1461.910	343.941
TOTAL	0.000	720.017	0.000	459.911	0.00	4.943	2068.540	424.130	182.500	1461.910	1461.910	343.941

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	720.017
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	720.017
NET RES., MB & MMF	0.000	459.911
NET REVENUE, M$	0.000	2273.120
INITIAL PRICE, $	0.000	1.774
INITIAL N.I., PCT.	0.000	63.875

LIFE, YRS.	53.92
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	7.21
DISCOUNTED PAYOUT, YRS.	7.36
UNDISCOUNTED NET/INVEST.	9.01
DISCOUNTED NET/INVEST.	4.13
RATE-OF-RETURN, PCT.	73.72
INITIAL W.I., PCT.	73.000

P.W. %	P.W., M$
5.00	656.468
10.00	343.941
15.00	196.457
20.00	118.178
25.00	73.439
30.00	46.568
40.00	19.189
60.00	2.620
80.00	-0.612
100.00	-1.076


LEASE: ROSA UNIT #12A
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
Year
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Oil
Ref= 10/2000
Cum= 0.0
Gas
Qual=00RESERVES
Ref= 10/2000
Cum= 96259
Rem= 662168
EUR= 758427
Yrs= 64.000
Qref= 5367.5
De= 23.211094
b= 1.400000
Qab= 99.6
Water
Ref= 10/2000
Cum= 1420.0
WHPSI
Ref= 10/2000
Cum= 1587.0

ROSA UNIT #018 WILLIAMS PRODUC

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

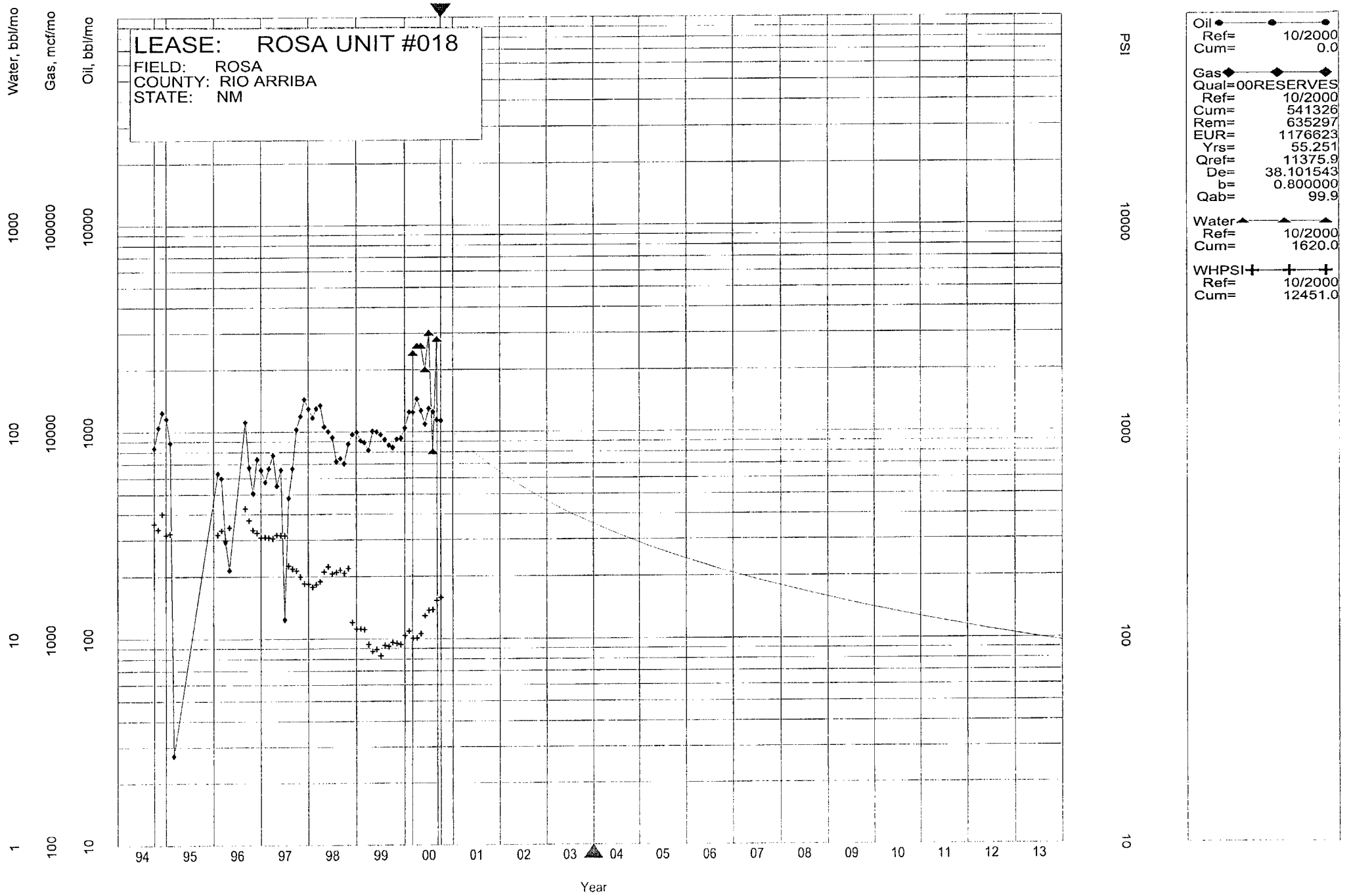
AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	OPER EXPENSES ---M$---	NET INVESTMENT ----M$----	TOTAL NET INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	31.282	0.000	19.981	0.00	1.332	24.213	2.190	100.010	-77.987	-77.987	-74.364
12-95	0.000	20.718	0.000	13.234	0.00	0.907	10.918	8.760	0.000	2.158	-75.829	-72.109
12-96	0.000	47.753	0.000	30.502	0.00	1.360	37.748	8.760	0.000	28.988	-46.841	-49.528
12-97	0.000	88.066	0.000	56.252	0.00	1.983	101.521	8.760	0.000	92.761	45.920	16.446
12-98	0.000	121.328	0.000	77.498	0.00	1.549	109.228	8.760	0.000	100.468	146.387	82.238
12-99	0.000	110.594	0.000	70.642	0.00	1.738	111.706	8.760	0.000	102.946	249.334	143.232
12-00	0.000	142.088	0.000	90.759	0.00	3.126	258.175	8.760	0.000	249.415	498.749	277.682
12-01	0.000	95.083	0.000	60.734	0.00	5.223	288.641	8.760	0.000	279.881	778.629	415.159
12-02	0.000	65.145	0.000	41.612	0.00	5.223	197.759	8.760	0.000	188.999	967.628	499.482
12-03	0.000	48.794	0.000	31.167	0.00	5.223	148.121	8.760	0.000	139.361	1106.989	555.976
12-04	0.000	38.605	0.000	24.659	0.00	5.223	117.191	8.760	0.000	108.431	1215.420	595.923
12-05	0.000	31.702	0.000	20.249	0.00	5.223	96.235	8.760	0.000	87.475	1302.896	625.213
12-06	0.000	26.744	0.000	17.083	0.00	5.223	81.186	8.760	0.000	72.426	1375.322	647.255
12-07	0.000	23.028	0.000	14.709	0.00	5.223	69.905	8.760	0.000	61.145	1436.467	664.170
12-08	0.000	20.149	0.000	12.870	0.00	5.223	61.165	8.760	0.000	52.405	1488.871	677.348
S TOT	0.000	911.078	0.000	581.951	0.00	3.236	1713.711	124.830	100.010	1488.871	1488.871	677.348
AFTER	0.000	221.103	0.000	141.230	0.00	5.223	671.194	260.610	0.000	410.584	1899.455	732.052
TOTAL	0.000	1132.182	0.000	723.181	0.00	3.624	2384.905	385.440	100.010	1899.455	1899.455	732.052

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	1132.182
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	1132.182
NET RES., MB & MMF	0.000	723.181
NET REVENUE, M$	0.000	2620.774
INITIAL PRICE, $	0.000	1.332
INITIAL N.I., PCT.	0.000	63.875

LIFE, YRS.	44.75
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	3.50
DISCOUNTED PAYOUT, YRS.	3.75
UNDISCOUNTED NET/INVEST.	19.99
DISCOUNTED NET/INVEST.	8.74
RATE-OF-RETURN, PCT.	68.03
INITIAL W.I., PCT.	73.000

P.W. %	P.W., M$
5.00	1131.372
10.00	732.052
15.00	496.901
20.00	347.351
25.00	247.188
30.00	177.521
40.00	91.041
60.00	14.283
80.00	-14.978
100.00	-27.709


LEASE: ROSA UNIT #018
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
Year
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Oil
Ref= 10/2000
Cum= 0.0
Gas
Qual=00RESERVES
Ref= 10/2000
Cum= 541326
Rem= 635297
EUR= 1176623
Yrs= 55.251
Qref= 11375.9
De= 38.101543
b= 0.800000
Qab= 99.9
Water
Ref= 10/2000
Cum= 1620.0
WHPSI
Ref= 10/2000
Cum= 12451.0

ROSA UNIT #C18A WILLIAMS PRODU

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

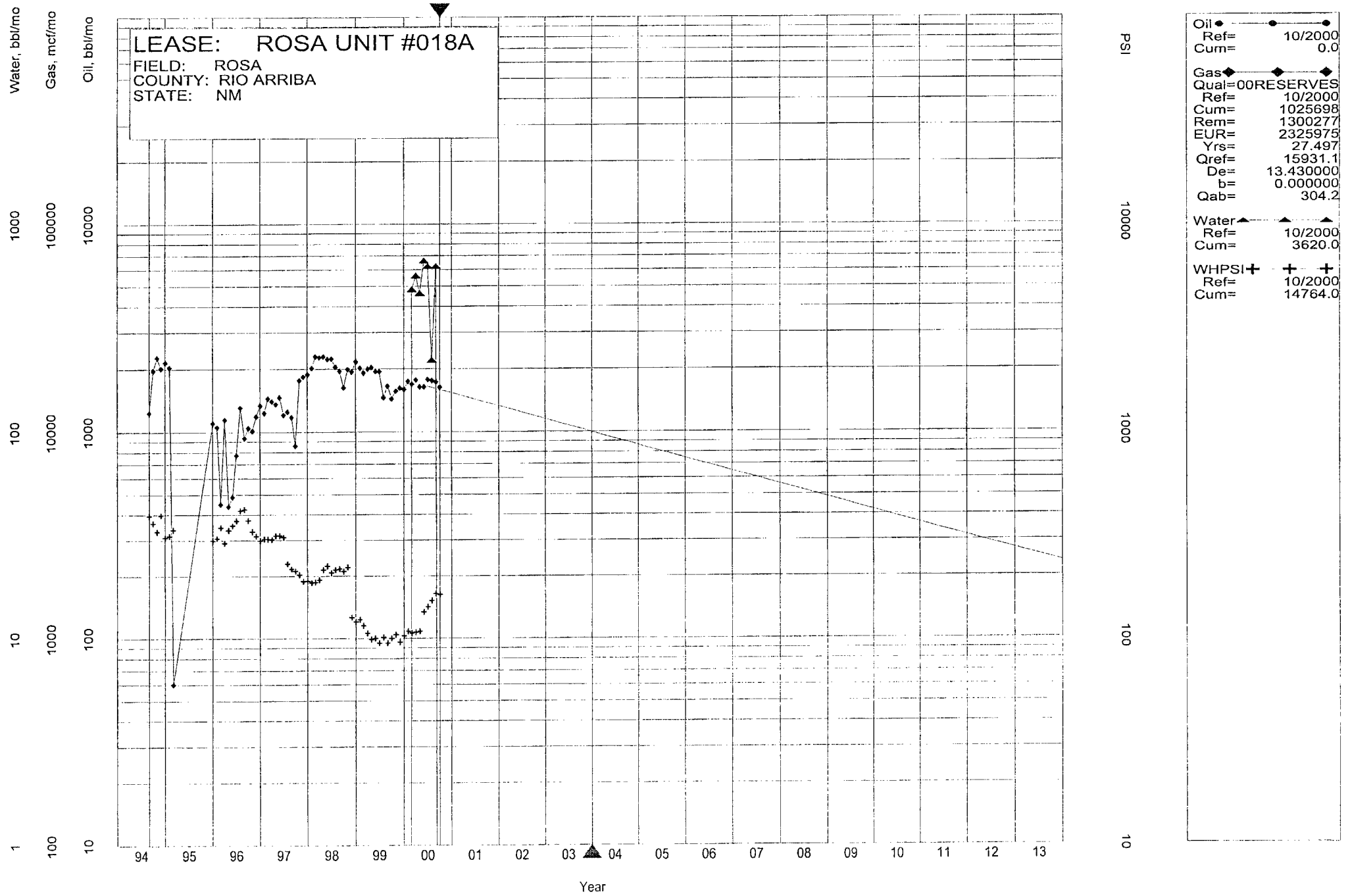
AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	OPER NET EXPENSES ---M$---	TOTAL INVESTMENT ----M$----	NET INCOME BEFORE FIT ----M$----	CUMULATIVE CUM NET INCOME ----M$----	DISC NET INCOME ----M$----
12-94	0.000	74.889	0.000	47.835	0.00	1.305	56.793	2.920	123.370	-69.497	-69.497	-67.941
12-95	0.000	42.549	0.000	27.178	0.00	0.888	21.969	8.760	0.000	13.209	-56.288	-55.724
12-96	0.000	109.324	0.000	69.831	0.00	1.332	84.671	8.760	0.000	75.911	19.623	3.958
12-97	0.000	163.328	0.000	104.326	0.00	1.943	184.474	8.760	0.000	175.714	195.336	129.739
12-98	0.000	248.129	0.000	158.492	0.00	1.517	218.865	8.760	0.000	210.105	405.441	266.766
12-99	0.000	217.698	0.000	139.055	0.00	1.703	215.440	8.760	0.000	206.680	612.122	389.567
12-00	0.000	200.400	0.000	128.005	0.00	3.063	356.763	8.760	0.000	348.003	960.125	577.031
12-01	0.000	171.722	0.000	109.687	0.00	5.117	510.747	8.760	0.000	501.987	1462.112	823.018
12-02	0.000	148.660	0.000	94.956	0.00	5.117	442.154	8.760	0.000	433.394	1895.506	1016.087
12-03	0.000	128.695	0.000	82.204	0.00	5.117	382.773	8.760	0.000	374.013	2269.519	1167.556
12-04	0.000	111.411	0.000	71.164	0.00	5.117	331.366	8.760	0.000	322.606	2592.126	1286.330
12-05	0.000	96.449	0.000	61.607	0.00	5.117	286.864	8.760	0.000	278.104	2870.230	1379.411
12-06	0.000	83.496	0.000	53.333	0.00	5.117	248.338	8.760	0.000	239.578	3109.808	1452.309
12-07	0.000	72.282	0.000	46.170	0.00	5.117	214.986	8.760	0.000	206.226	3316.034	1509.354
12-08	0.000	62.575	0.000	39.970	0.00	5.117	186.114	8.760	0.000	177.354	3493.388	1553.953
S TOT	0.000	1931.606	0.000	1233.813	0.00	3.333	3742.318	125.560	123.370	3493.388	3493.388	1553.953
AFTER	0.000	382.879	0.000	244.564	0.00	5.117	1138.785	181.040	0.000	957.745	4451.132	1706.712
TOTAL	0.000	2314.485	0.000	1478.377	0.00	3.628	4881.103	306.600	123.370	4451.133	4451.132	1706.712

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	2314.485
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	2314.485
NET RES., MB & MMF	0.000	1478.377
NET REVENUE, M$	0.000	5363.850
INITIAL PRICE, $	0.000	1.305
INITIAL N.I., PCT.	0.000	63.875

LIFE, YRS.	35.67
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	2.74
DISCOUNTED PAYOUT, YRS.	2.93
UNDISCOUNTED NET/INVEST.	37.08
DISCOUNTED NET/INVEST.	15.51
RATE-OF-RETURN, PCT.	100.00
INITIAL W.I., PCT.	73.000

P.W. %	P.W., M$
5.00	2655.221
10.00	1706.712
15.00	1157.457
20.00	816.817
25.00	594.129
30.00	442.343
40.00	257.644
60.00	95.749
80.00	32.251
100.00	2.391


LEASE: ROSA UNIT #018A
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
1
10
100
1000
10
100
1000
10000
100
1000
10000
100000
10
100
1000
10000
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Year
Oil
Ref= 10/2000
Cum= 0.0
Gas
Qual=00RESERVES
Ref= 10/2000
Cum= 1025698
Rem= 1300277
EUR= 2325975
Yrs= 27.497
Qref= 15931.1
De= 13.430000
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Qab= 304.2
Water
Ref= 10/2000
Cum= 3620.0
WHPSI
Ref= 10/2000
Cum= 14764.0

ROSA UNIT #032A WILLIAMS PRODU

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

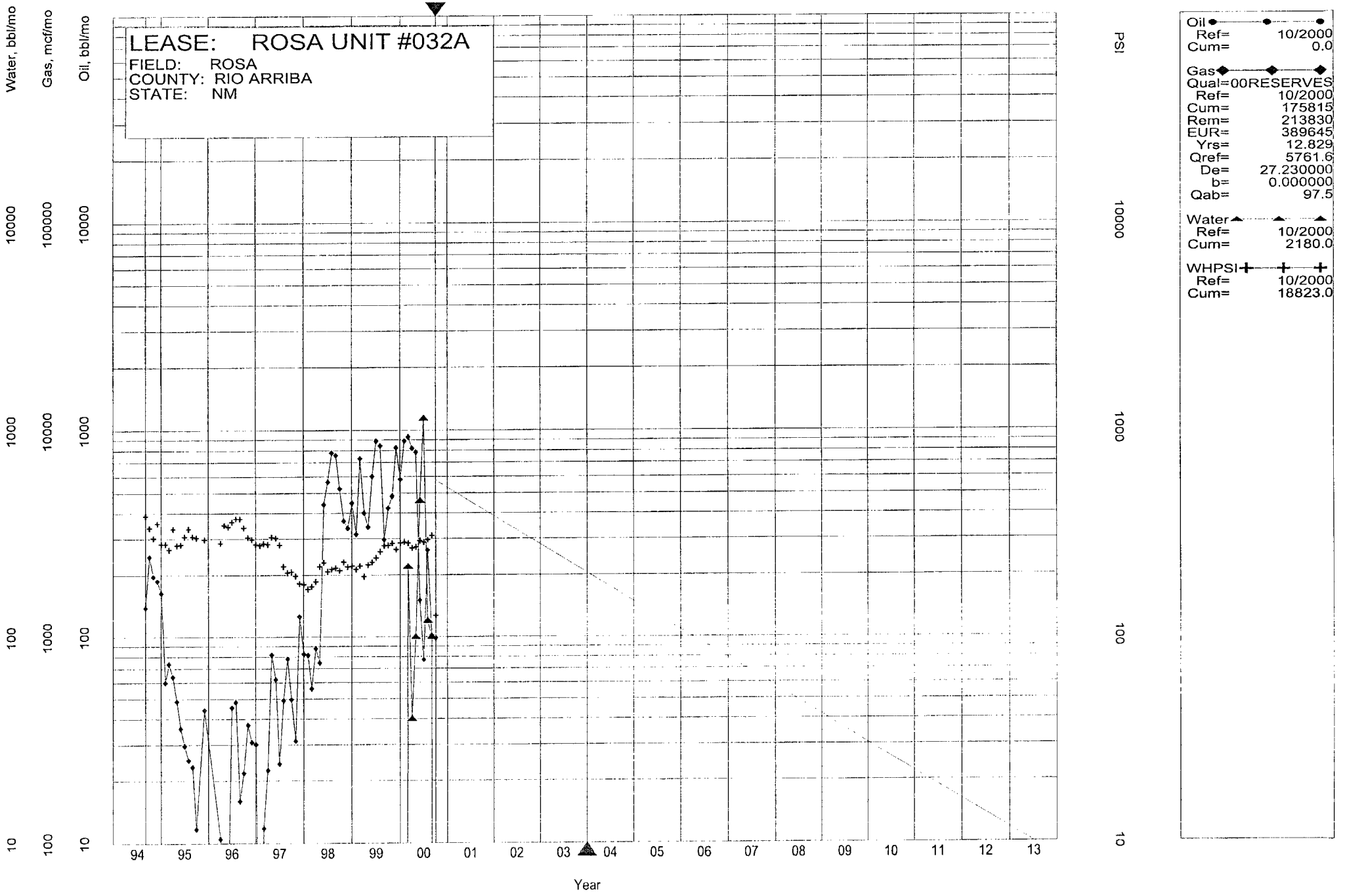
AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	OPER EXPENSES ---M$---	NET INVESTMENT ----M$----	TOTAL NET INCOME BEFORE FIT ----M$----	CUMULATIVE CUM NET INCOME ----M$----	DISC NET INCOME ----M$----
12-94	0.000	7.691	0.000	3.846	0.00	1.359	4.755	2.298	112.005	-109.547	-109.547	-104.525
12-95	0.000	5.799	0.000	2.900	0.00	0.925	2.441	6.893	0.000	-4.452	-113.999	-108.347
12-96	0.000	2.225	0.000	1.113	0.00	1.388	1.405	6.893	0.000	-5.488	-119.487	-112.694
12-97	0.000	5.669	0.000	2.835	0.00	2.024	5.220	6.893	0.000	-1.673	-121.160	-113.938
12-98	0.000	41.538	0.000	20.770	0.00	1.580	29.868	6.893	0.000	22.976	-98.184	-99.237
12-99	0.000	65.943	0.000	32.972	0.00	1.773	53.199	6.893	0.000	46.307	-51.878	-71.902
12-00	0.000	62.582	0.000	31.292	0.00	3.190	90.823	6.893	0.000	83.930	32.053	-26.362
12-01	0.000	54.704	0.000	27.352	0.00	5.329	132.636	6.893	0.000	125.743	157.796	35.347
12-02	0.000	39.808	0.000	19.904	0.00	5.329	96.519	6.893	0.000	89.626	247.422	75.335
12-03	0.000	28.968	0.000	14.484	0.00	5.329	70.237	6.893	0.000	63.344	310.767	101.030
12-04	0.000	21.080	0.000	10.540	0.00	5.329	51.111	6.893	0.000	44.219	354.985	117.338
12-05	0.000	15.340	0.000	7.670	0.00	5.329	37.194	6.893	0.000	30.301	385.286	127.499
12-06	0.000	11.163	0.000	5.582	0.00	5.329	27.066	6.893	0.000	20.173	405.460	133.651
12-07	0.000	8.123	0.000	4.062	0.00	5.329	19.696	6.893	0.000	12.803	418.263	137.202
12-08	0.000	5.911	0.000	2.956	0.00	5.329	14.333	6.893	0.000	7.440	425.703	139.079
S TOT	0.000	376.544	0.000	188.277	0.00	3.715	636.501	98.794	112.005	425.703	425.703	139.079
AFTER	0.000	6.740	0.000	3.370	0.00	5.329	16.342	12.062	0.000	4.280	429.983	140.051
TOTAL	0.000	383.284	0.000	191.647	0.00	3.743	652.844	110.856	112.005	429.983	429.983	140.051

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	383.284
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	383.284
NET RES., MB & MMF	0.000	191.647
NET REVENUE, M$	0.000	717.411
INITIAL PRICE, $	0.000	1.359
INITIAL N.I., PCT.	0.000	50.001

LIFE, YRS.	16.75
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	6.62
DISCOUNTED PAYOUT, YRS.	7.43
UNDISCOUNTED NET/INVEST.	4.84
DISCOUNTED NET/INVEST.	2.31
RATE-OF-RETURN, PCT.	23.46
INITIAL W.I., PCT.	57.438

P.W. %	P.W., M$
5.00	251.317
10.00	140.051
15.00	68.693
20.00	21.794
25.00	-9.658
30.00	-31.094
40.00	-56.173
60.00	-74.204
80.00	-77.482
100.00	-76.495


LEASE: ROSA UNIT #032A
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
10000
1000
100
10
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Year
Oil
Ref= 10/2000
Cum= 0.0
Gas
Qual=00RESERVES
Ref= 10/2000
Cum= 175815
Rem= 213830
EUR= 389645
Yrs= 12.829
Qref= 5761.6
De= 27.230000
b= 0.000000
Qab= 97.5
Water
Ref= 10/2000
Cum= 2180.0
WHPSI
Ref= 10/2000
Cum= 18823.0

ROSA UNIT #079A WILLIAMS PRODU

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

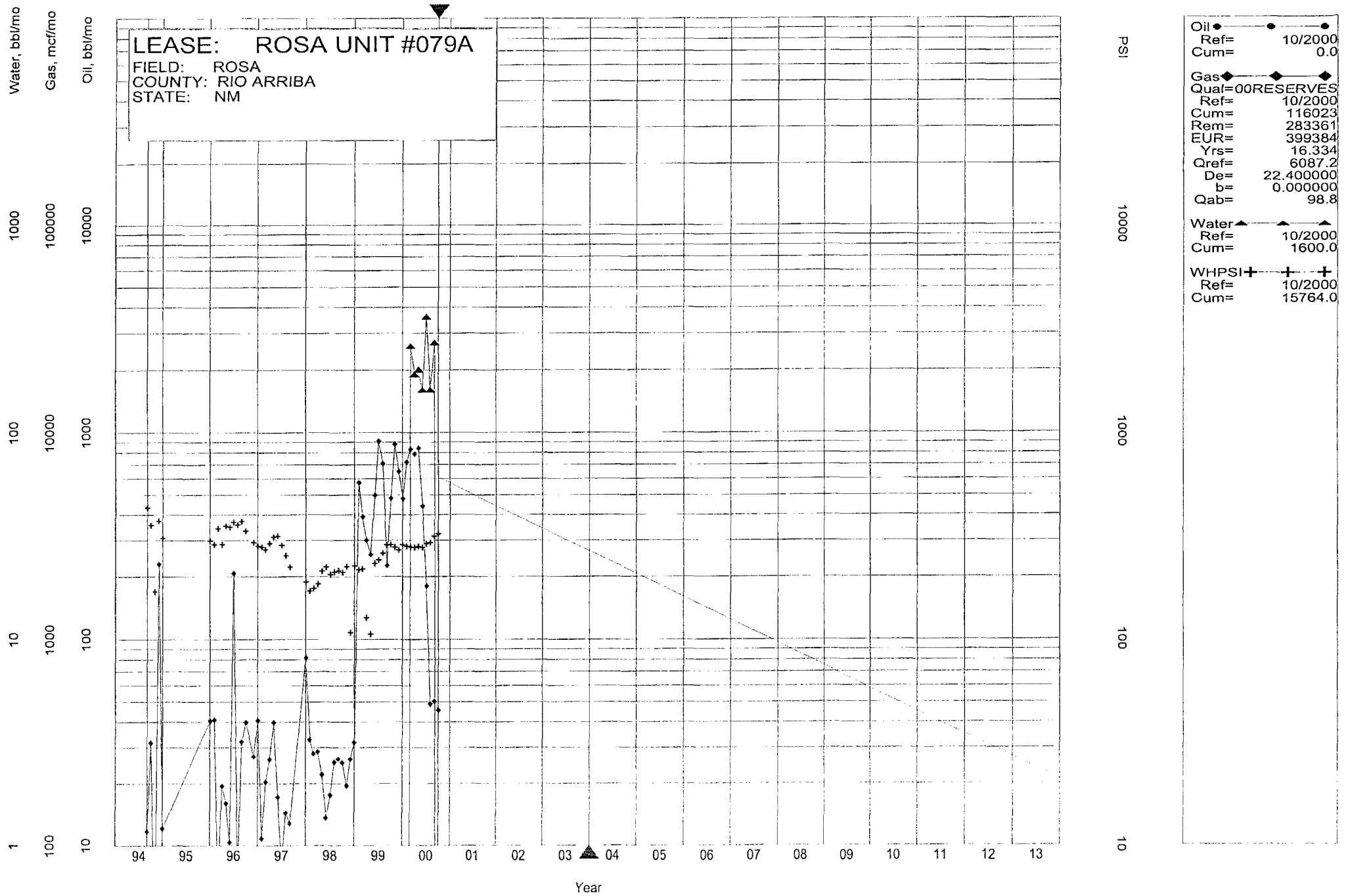
AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	NET OPER EXPENSES ---M$---	TOTAL NET INVESTMENT ----M$----	INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	2.764	0.000	0.491	0.00	1.357	0.606	0.831	43.810	-44.034	-44.034	-41.983
12-95	0.000	0.121	0.000	0.021	0.00	0.924	0.018	2.492	0.000	-2.473	-46.507	-44.127
12-96	0.000	4.481	0.000	0.796	0.00	1.385	1.004	2.492	0.000	-1.488	-47.995	-45.300
12-97	0.000	1.907	0.000	0.339	0.00	2.020	0.623	2.492	0.000	-1.869	-49.864	-46.631
12-98	0.000	3.475	0.000	0.617	0.00	1.578	0.886	2.492	0.000	-1.605	-51.469	-47.672
12-99	0.000	59.034	0.000	10.487	0.00	1.770	16.894	2.492	0.000	14.403	-37.066	-39.220
12-00	0.000	61.480	0.000	10.922	0.00	3.185	31.651	2.492	0.000	29.159	-7.907	-23.432
12-01	0.000	60.556	0.000	10.758	0.00	5.320	52.084	2.492	0.000	49.593	41.685	0.893
12-02	0.000	46.992	0.000	8.348	0.00	5.320	40.417	2.492	0.000	37.926	79.611	17.805
12-03	0.000	36.465	0.000	6.478	0.00	5.320	31.364	2.492	0.000	28.872	108.483	29.509
12-04	0.000	28.297	0.000	5.027	0.00	5.320	24.338	2.492	0.000	21.847	130.330	37.561
12-05	0.000	21.959	0.000	3.901	0.00	5.320	18.887	2.492	0.000	16.395	146.725	43.054
12-06	0.000	17.040	0.000	3.027	0.00	5.320	14.656	2.492	0.000	12.164	158.889	46.760
12-07	0.000	13.223	0.000	2.349	0.00	5.320	11.373	2.492	0.000	8.881	167.771	49.220
12-08	0.000	10.261	0.000	1.823	0.00	5.320	8.825	2.492	0.000	6.334	174.105	50.816
S TOT	0.000	368.055	0.000	65.384	0.00	4.263	253.626	35.712	43.810	174.105	174.105	50.816
AFTER	0.000	24.192	0.000	4.298	0.00	5.320	20.808	11.212	0.000	9.596	183.700	52.846
TOTAL	0.000	392.247	0.000	69.682	0.00	4.328	274.434	46.924	43.810	183.700	183.700	52.846

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	392.247
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	392.247
NET RES., MB & MMF	0.000	69.682
NET REVENUE, M$	0.000	301.576
INITIAL PRICE, $	0.000	1.357
INITIAL N.I., PCT.	0.000	17.765

LIFE, YRS.	19.50
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	7.16
DISCOUNTED PAYOUT, YRS.	7.96
UNDISCOUNTED NET/INVEST.	5.19
DISCOUNTED NET/INVEST.	2.27
RATE-OF-RETURN, PCT.	21.49
INITIAL W.I., PCT.	20.763

P.W. %	P.W., M$
5.00	101.666
10.00	52.846
15.00	22.760
20.00	3.687
25.00	-8.680
30.00	-16.836
40.00	-25.931
60.00	-31.733
80.00	-32.251
100.00	-31.412


LEASE: ROSA UNIT #079A
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
Year
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Oil
Ref= 10/2000
Cum= 0.0
Gas
Qual=00RESERVES
Ref= 10/2000
Cum= 116023
Rem= 283361
EUR= 399384
Yrs= 16.334
Qref= 6087.2
De= 22.400000
b= 0.000000
Qab= 98.8
Water
Ref= 10/2000
Cum= 1600.0
WHPSI
Ref= 10/2000
Cum= 15764.0

ROSA UNIT #100E WILLIAMS PRODU

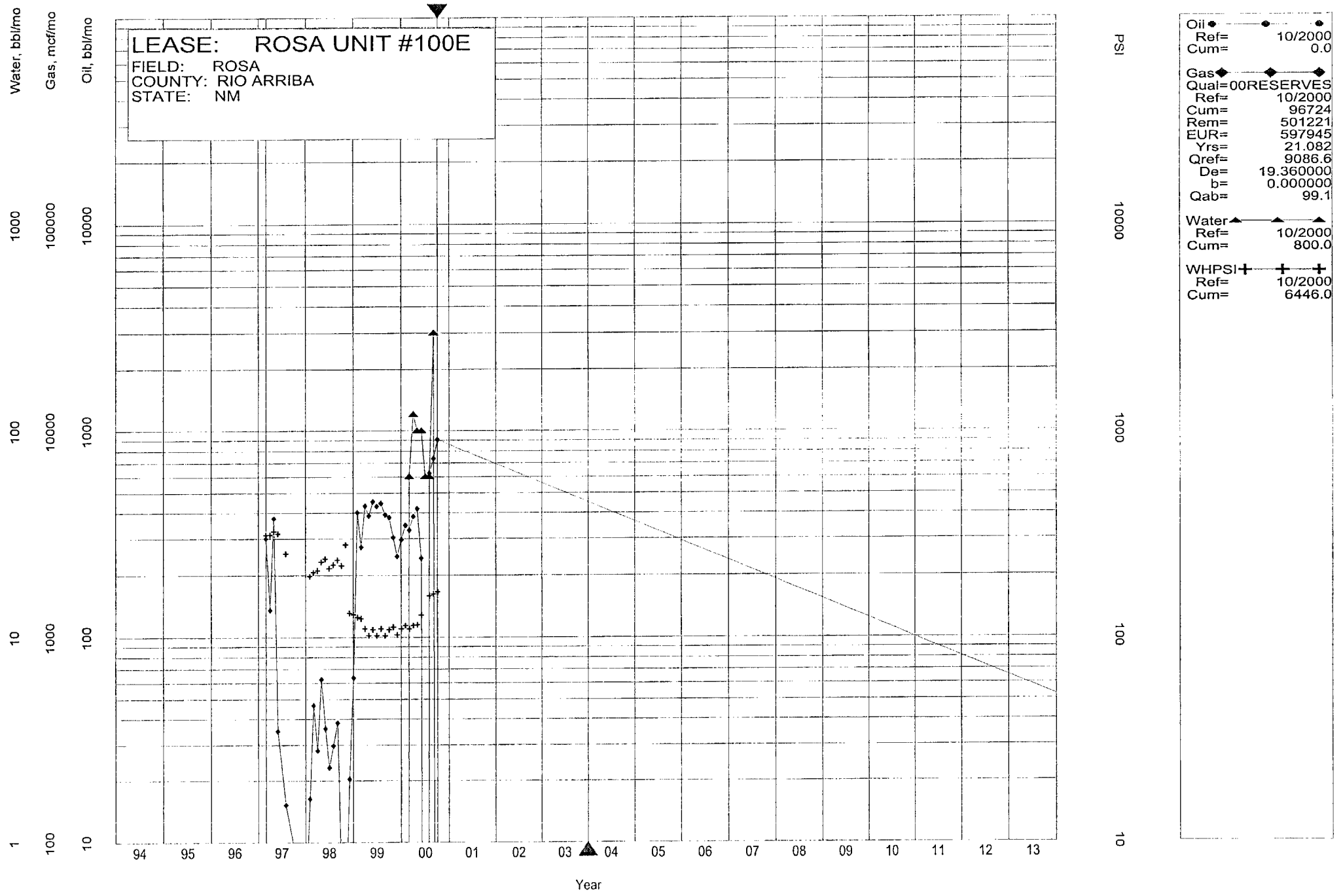
DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	OPER EXPENSES ---M$---	NET INVESTMENT ----M$----	TOTAL NET INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-95	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-96	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-97	0.000	8.626	0.000	1.736	0.00	2.004	3.165	2.300	57.500	-56.635	-56.635	-42.527
12-98	0.000	3.166	0.000	0.637	0.00	1.565	0.907	2.760	0.000	-1.853	-58.488	-43.732
12-99	0.000	42.099	0.000	8.472	0.00	1.756	13.535	2.760	0.000	10.775	-47.712	-37.365
12-00	0.000	60.322	0.000	12.140	0.00	3.158	34.888	2.760	0.000	32.128	-15.585	-20.279
12-01	0.000	92.968	0.000	18.710	0.00	5.276	89.832	2.760	0.000	87.072	71.487	22.414
12-02	0.000	74.969	0.000	15.088	0.00	5.276	72.440	2.760	0.000	69.680	141.168	53.474
12-03	0.000	60.455	0.000	12.167	0.00	5.276	58.416	2.760	0.000	55.656	196.823	76.027
12-04	0.000	48.751	0.000	9.811	0.00	5.276	47.107	2.760	0.000	44.347	241.170	92.365
12-05	0.000	39.313	0.000	7.912	0.00	5.276	37.987	2.760	0.000	35.227	276.397	104.163
12-06	0.000	31.702	0.000	6.380	0.00	5.276	30.633	2.760	0.000	27.873	304.269	112.650
12-07	0.000	25.564	0.000	5.145	0.00	5.276	24.702	2.760	0.000	21.942	326.211	118.724
12-08	0.000	20.615	0.000	4.149	0.00	5.276	19.920	2.760	0.000	17.160	343.371	123.042
S TOT	0.000	508.552	0.000	102.346	0.00	4.655	433.531	32.660	57.500	343.371	343.371	123.042
AFTER	0.000	72.566	0.000	14.604	0.00	5.276	70.118	23.920	0.000	46.198	389.569	131.976
TOTAL	0.000	581.117	0.000	116.950	0.00	4.732	503.649	56.580	57.500	389.569	389.569	131.976

	OIL	GAS			P.W. %	P.W., M$
GROSS WELLS	0.0	1.0	LIFE, YRS.	23.67	5.00	224.218
GROSS ULT., MB & MMF	0.000	581.117	DISCOUNT %	10.00	10.00	131.976
GROSS CUM., MB & MMF	0.000	0.000	UNDISCOUNTED PAYOUT, YRS.	7.18	15.00	78.279
GROSS RES., MB & MMF	0.000	581.117	DISCOUNTED PAYOUT, YRS.	7.48	20.00	45.972
NET RES., MB & MMF	0.000	116.950	UNDISCOUNTED NET/INVEST.	7.78	25.00	26.045
NET REVENUE, M$	0.000	553.460	DISCOUNTED NET/INVEST.	4.05	30.00	13.534
INITIAL PRICE, $	0.000	2.004	RATE-OF-RETURN, PCT.	41.02	40.00	0.532
INITIAL N.I., PCT.	0.000	20.125	INITIAL W.I., PCT.	23.000	60.00	-6.568
					80.00	-6.782
					100.00	-5.749


LEASE: ROSA UNIT #100E
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
1
10
100
1000
10
100
1000
10000
100
1000
10000
100000
10
100
1000
10000
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Year
Oil
Ref= 10/2000
Cum= 0.0
Gas
Qual= 00RESERVES
Ref= 10/2000
Cum= 96724
Rem= 501221
EUR= 597945
Yrs= 21.082
Qref= 9086.6
De= 19.360000
b= 0.000000
Qab= 99.1
Water
Ref= 10/2000
Cum= 800.0
WHPSI
Ref= 10/2000
Cum= 6446.0

ROSA UNIT #140 WILLIAMS PRODUC

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

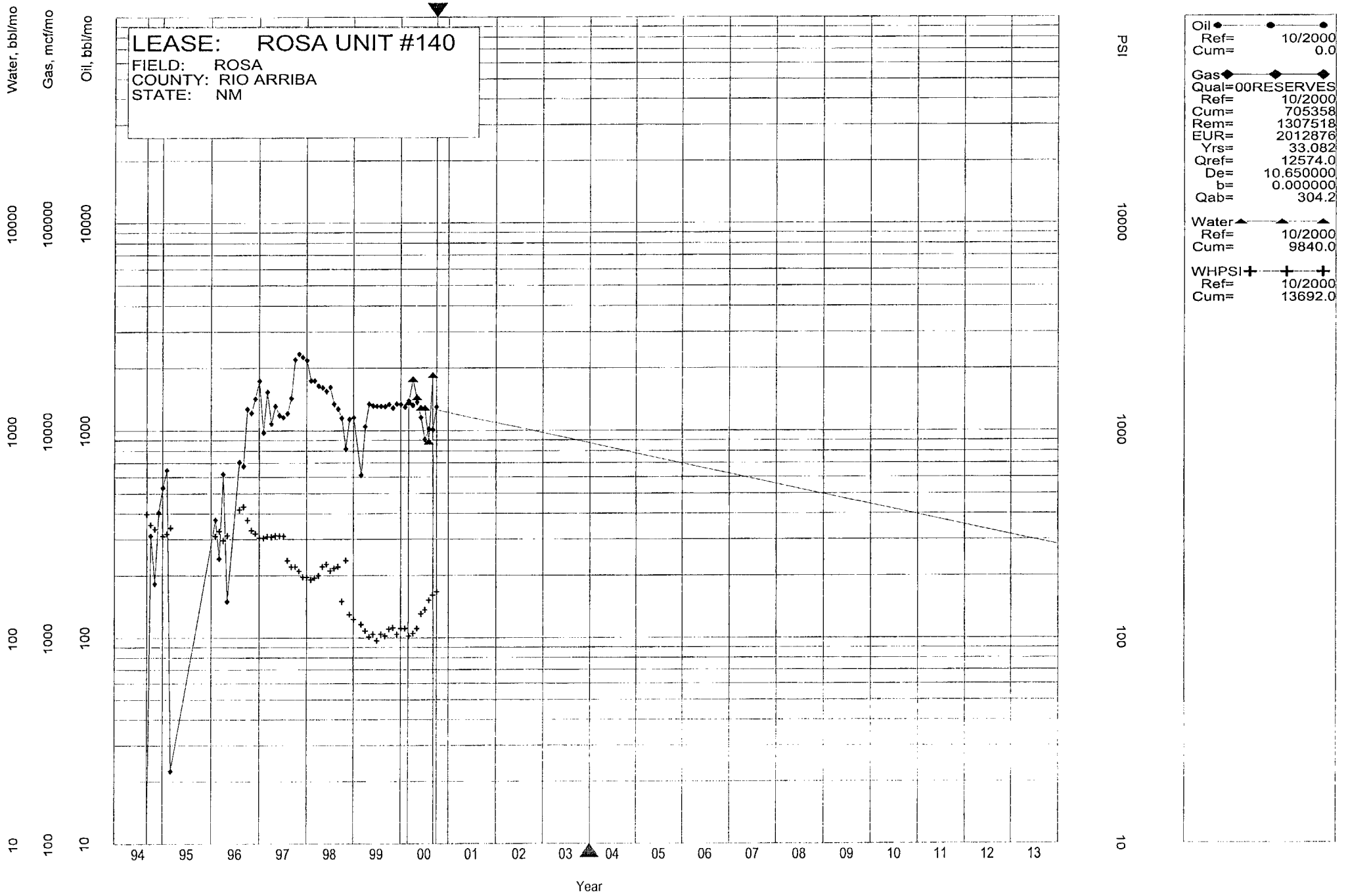
AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	NET OPER EXPENSES ---M$---	TOTAL NET INVESTMENT ----M$----	NET INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	9.090	0.000	3.977	0.00	1.325	4.796	2.000	120.000	-117.204	-117.204	-111.854
12-95	0.000	12.018	0.000	5.258	0.00	0.902	4.317	6.000	0.000	-1.683	-118.888	-113.166
12-96	0.000	66.781	0.000	29.217	0.00	1.353	35.981	6.000	0.000	29.981	-88.907	-90.076
12-97	0.000	184.560	0.000	80.745	0.00	1.974	145.015	6.000	0.000	139.015	50.108	9.010
12-98	0.000	178.169	0.000	77.949	0.00	1.541	109.328	6.000	0.000	103.328	153.436	76.748
12-99	0.000	133.671	0.000	58.481	0.00	1.729	92.026	6.000	0.000	86.026	239.461	127.373
13-00	0.000	145.281	0.000	63.560	0.00	3.111	179.925	6.000	0.000	173.925	413.387	221.165
13-01	0.000	138.742	0.000	60.699	0.00	5.197	287.069	6.000	0.000	281.069	694.456	358.862
13-02	0.000	123.966	0.000	54.235	0.00	5.197	256.497	6.000	0.000	250.497	944.953	470.426
13-03	0.000	110.763	0.000	48.459	0.00	5.197	229.180	6.000	0.000	223.180	1168.132	560.787
13-04	0.000	98.967	0.000	43.298	0.00	5.197	204.772	6.000	0.000	198.772	1366.905	633.950
13-05	0.000	88.427	0.000	38.687	0.00	5.197	182.964	6.000	0.000	176.964	1543.869	693.165
13-06	0.000	79.010	0.000	34.567	0.00	5.197	163.478	6.000	0.000	157.478	1701.347	741.070
13-07	0.000	70.595	0.000	30.885	0.00	5.197	146.068	6.000	0.000	140.068	1841.414	779.804
13-08	0.000	63.077	0.000	27.596	0.00	5.197	130.512	6.000	0.000	124.512	1965.926	811.107
S TOT	0.000	1503.116	0.000	657.613	0.00	3.629	2171.926	86.000	120.000	1965.926	1965.926	811.107
AFTER	0.000	496.898	0.000	217.393	0.00	5.197	1028.129	149.000	0.000	879.129	2845.054	938.602
TOTAL	0.000	2000.015	0.000	875.006	0.00	4.019	3200.054	235.000	120.000	2845.054	2845.054	938.602

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	2000.015
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	2000.015
NET RES., MB & MMF	0.000	875.006
NET REVENUE, M$	0.000	3516.543
INITIAL PRICE, $	0.000	1.325
INITIAL N.I., PCT.	0.000	43.750

LIFE, YRS.	39.83
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	3.64
DISCOUNTED PAYOUT, YRS.	3.91
UNDISCOUNTED NET/INVEST.	24.71
DISCOUNTED NET/INVEST.	9.20
RATE-OF-RETURN, PCT.	56.07
INITIAL W.I., PCT.	50.000

P.W. %	P.W., M$
5.00	1562.848
10.00	938.602
15.00	596.062
20.00	391.547
25.00	261.659
30.00	175.193
40.00	72.939
60.00	-12.173
80.00	-42.700
100.00	-55.305


LEASE: ROSA UNIT #140
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
10000
1000
100
10
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Year
Oil
Ref= 10/2000
Cum= 0.0
Gas
Qual=00RESERVES
Ref= 10/2000
Cum= 705358
Rem= 1307518
EUR= 2012876
Yrs= 33.082
Qref= 12574.0
De= 10.650000
b= 0.000000
Qab= 304.2
Water
Ref= 10/2000
Cum= 9840.0
WHPSI
Ref= 10/2000
Cum= 13692.0

ROSA UNIT #144 WILLIAMS PRODUC

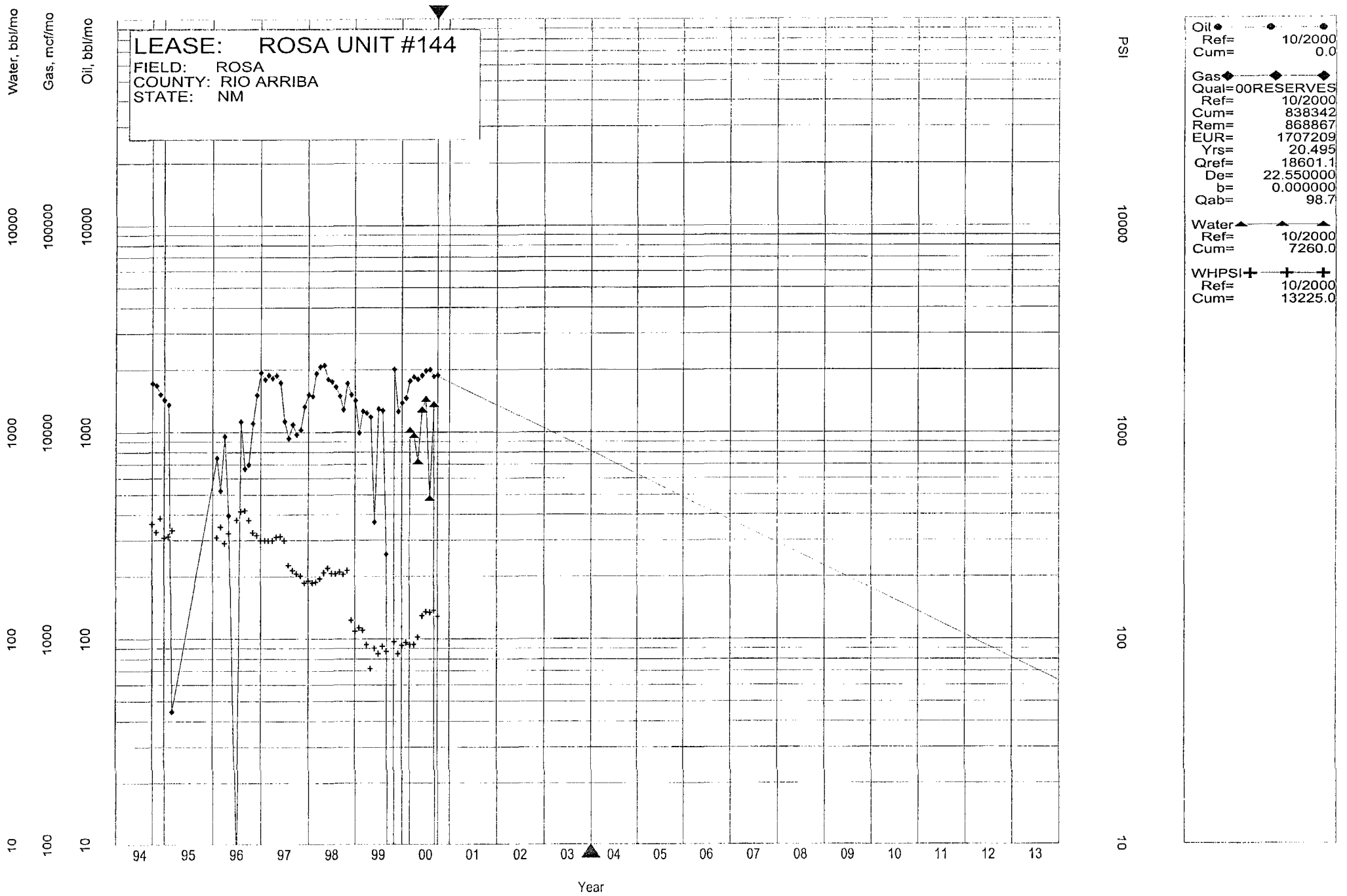
DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	OPER EXPENSES ---M$---	NET INVESTMENT ----M$----	TOTAL NET INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	49.298	0.000	43.136	0.00	1.341	52.630	3.000	196.000	-146.370	-146.370	-139.725
12-95	0.000	28.394	0.000	24.845	0.00	0.913	20.639	12.000	0.000	8.639	-137.731	-131.518
12-96	0.000	77.367	0.000	67.696	0.00	1.369	84.353	12.000	0.000	72.353	-65.378	-75.222
12-97	0.000	175.484	0.000	153.549	0.00	1.997	279.024	12.000	0.000	267.024	201.646	117.360
12-98	0.000	203.498	0.000	178.061	0.00	1.559	252.690	12.000	0.000	240.690	442.336	274.376
12-99	0.000	125.671	0.000	109.962	0.00	1.750	175.080	12.000	0.000	163.080	605.416	371.136
12-00	0.000	213.868	0.000	187.135	0.00	3.147	535.992	12.000	0.000	523.992	1129.408	652.797
12-01	0.000	184.785	0.000	161.687	0.00	5.258	773.707	12.000	0.000	761.707	1891.115	1026.386
12-02	0.000	143.116	0.000	125.227	0.00	5.258	599.236	12.000	0.000	587.236	2478.351	1288.222
12-03	0.000	110.843	0.000	96.988	0.00	5.258	464.108	12.000	0.000	452.108	2930.460	1471.484
12-04	0.000	85.848	0.000	75.117	0.00	5.258	359.452	12.000	0.000	347.452	3277.912	1599.521
12-05	0.000	66.489	0.000	58.178	0.00	5.258	278.396	12.000	0.000	266.396	3544.307	1688.767
12-06	0.000	51.496	0.000	45.059	0.00	5.258	215.617	12.000	0.000	203.617	3747.925	1750.782
12-07	0.000	39.884	0.000	34.898	0.00	5.258	166.996	12.000	0.000	154.996	3902.920	1793.698
12-08	0.000	30.890	0.000	27.029	0.00	5.258	129.338	12.000	0.000	117.338	4020.259	1823.236
S TOT	0.000	1586.933	0.000	1388.566	0.00	3.472	4387.258	171.000	196.000	4020.259	4020.259	1823.236
AFTER	0.000	94.993	0.000	83.119	0.00	5.258	397.741	106.000	0.000	291.741	4312.000	1880.043
TOTAL	0.000	1681.926	0.000	1471.685	0.00	3.573	4785.000	277.000	196.000	4312.000	4312.000	1880.043

	OIL	GAS			P.W. %	P.W., M$
GROSS WELLS	0.0	1.0	LIFE, YRS.	23.83	5.00	2791.858
GROSS ULT., MB & MMF	0.000	1681.926	DISCOUNT %	10.00	10.00	1880.043
GROSS CUM., MB & MMF	0.000	0.000	UNDISCOUNTED PAYOUT, YRS.	3.24	15.00	1305.758
GROSS RES., MB & MMF	0.000	1681.926	DISCOUNTED PAYOUT, YRS.	3.39	20.00	929.062
NET RES., MB & MMF	0.000	1471.685	UNDISCOUNTED NET/INVEST.	23.00	25.00	673.365
NET REVENUE, M$	0.000	5258.241	DISCOUNTED NET/INVEST.	11.14	30.00	494.648
INITIAL PRICE, $	0.000	1.341	RATE-OF-RETURN, PCT.	80.18	40.00	272.669
INITIAL N.I., PCT.	0.000	87.500	INITIAL W.I., PCT.	100.000	60.00	75.981
					80.00	0.352
					100.00	-33.579


LEASE: ROSA UNIT #144
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
10000
1000
100
10
94
95
96
97
98
99
00
01
02
03
04
05
06
07
08
09
10
11
12
13
Year
Oil
Ref= 10/2000
Cum= 0.0
Gas
Qual=00RESERVES
Ref= 10/2000
Cum= 838342
Rem= 868867
EUR= 1707209
Yrs= 20.495
Qref= 18601.1
De= 22.550000
b= 0.000000
Qab= 98.7
Water
Ref= 10/2000
Cum= 7260.0
WHPSI
Ref= 10/2000
Cum= 13225.0

ROSA UNIT #165 WILLIAMS PRODUC

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

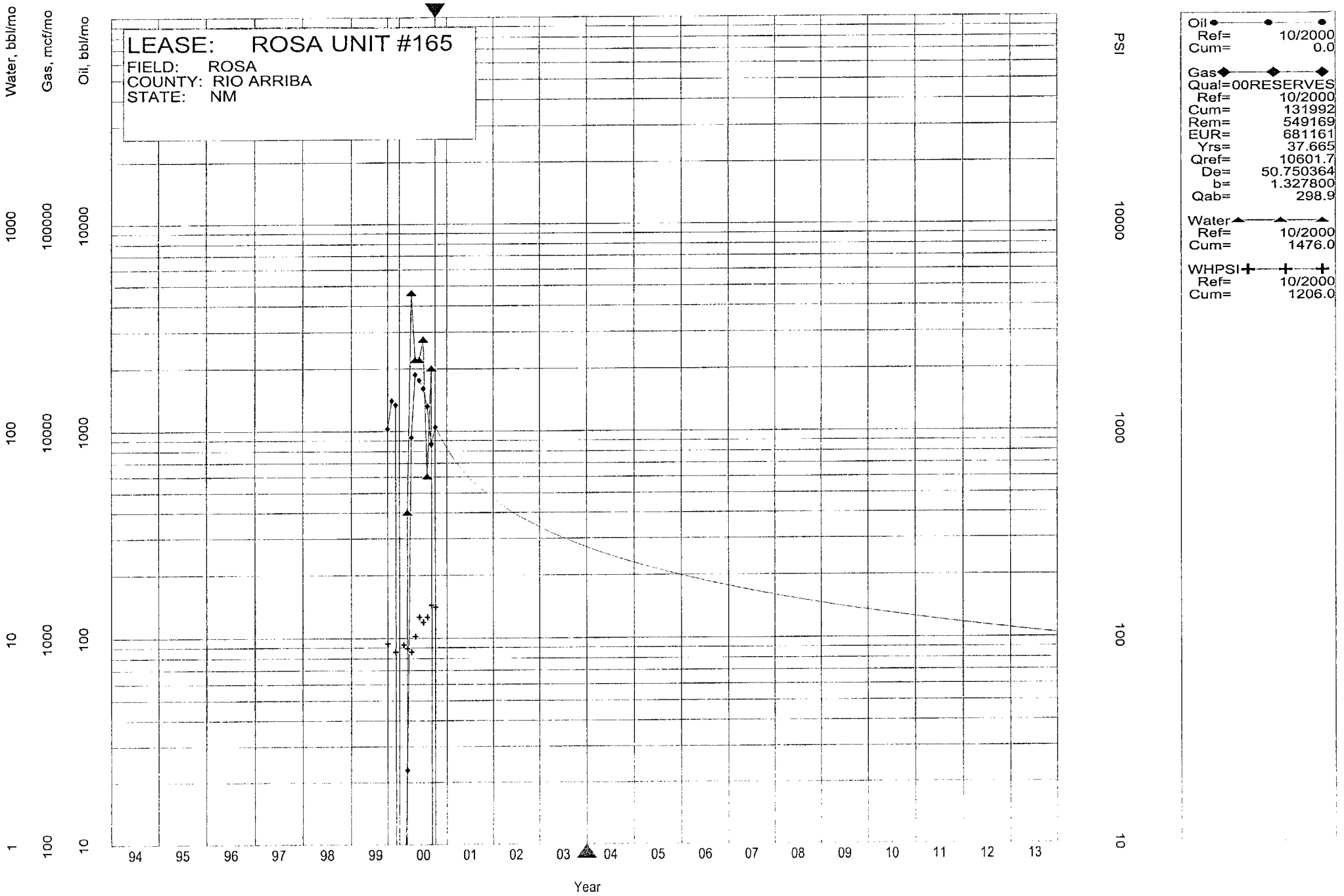
AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	OPER NET EXPENSES ---M$---	TOTAL NET INVESTMENT ----M$----	INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-95	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-96	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-97	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-98	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-99	0.000	37.672	0.000	24.063	0.00	1.797	39.340	2.190	182.500	-145.350	-145.350	-85.982
12-00	0.000	111.829	0.000	71.431	0.00	3.232	210.078	8.760	0.000	201.318	55.969	21.486
12-01	0.000	73.116	0.000	46.703	0.00	5.399	229.477	8.760	0.000	220.717	276.686	130.017
12-02	0.000	47.631	0.000	30.424	0.00	5.399	149.490	8.760	0.000	140.730	417.415	192.804
12-03	0.000	36.422	0.000	23.265	0.00	5.399	114.313	8.760	0.000	105.553	522.968	235.583
12-04	0.000	29.919	0.000	19.111	0.00	5.399	93.902	8.760	0.000	85.142	608.110	266.940
12-05	0.000	25.609	0.000	16.358	0.00	5.399	80.375	8.760	0.000	71.615	679.725	290.911
12-06	0.000	22.515	0.000	14.382	0.00	5.399	70.665	8.760	0.000	61.905	741.630	309.745
12-07	0.000	20.173	0.000	12.885	0.00	5.399	63.313	8.760	0.000	54.553	796.183	324.832
12-08	0.000	18.330	0.000	11.708	0.00	5.399	57.528	8.760	0.000	48.768	844.952	337.091
S TOT	0.000	423.217	0.000	270.330	0.00	4.506	1108.482	81.030	182.500	844.952	844.952	337.091
AFTER	0.000	204.100	0.000	130.369	0.00	5.399	640.571	174.470	0.000	466.101	1311.053	398.299
TOTAL	0.000	627.316	0.000	400.698	0.00	4.797	1749.053	255.500	182.500	1311.053	1311.053	398.299

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	627.316
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	627.316
NET RES., MB & MMF	0.000	400.698
NET REVENUE, M$	0.000	1922.036
INITIAL PRICE, $	0.000	1.797
INITIAL N.I., PCT.	0.000	63.875

LIFE, YRS.	34.92
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	6.72
DISCOUNTED PAYOUT, YRS.	6.80
UNDISCOUNTED NET/INVEST.	8.18
DISCOUNTED NET/INVEST.	4.72
RATE-OF-RETURN, PCT.	100.00
INITIAL W.I., PCT.	73.000

P.W. %	P.W., M$
5.00	686.078
10.00	398.299
15.00	247.087
20.00	160.267
25.00	107.311
30.00	73.590
40.00	36.463
60.00	10.197
80.00	3.074
100.00	0.883


LEASE: ROSA UNIT #165
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
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Gas, mcf/mo
Oil, bbl/mo
PSI
Year
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Oil
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Cum= 0.0
Gas
Qual=00RESERVES
Ref= 10/2000
Cum= 131992
Rem= 549169
EUR= 681161
Yrs= 37.665
Qref= 10601.7
De= 50.750364
b= 1.327800
Qab= 298.9
Water
Ref= 10/2000
Cum= 1476.0
WHPSI
Ref= 10/2000
Cum= 1206.0

Williams Production Company,LLC
One Williams Center
P.O. Box 3102
Tulsa, Oklahoma 74101
918/573-6181

May 21, 2001

Bureau of Land Management (3 copies)
Farmington Resource Area
Attn: Mr. Wayne Townsend
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico (2 copies)
Commissioner of Public Lands
Attn: Mr. Pete Martinez
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

State of New Mexico (2 copies)
Oil Conservation Division
Attn: Lori Wrotenberg
1200 South St. Francis Drive
P.O. Box 2308
Santa Fe, NM 87504-2308

Re: Rosa Unit I, Sec. No.587
San Juan and Rio Arriba Counties, New Mexico
NOTICE OF COMPLETION OF NON-COMMERCIAL WELLS
Pictured Cliffs formation

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement I Sec. No. 587, Williams Production company, LLC, as Unit Operator, has determined that the Rosa Unit #32, #88, #88A, #137, #137A, #138, #138A, #139, #142, #145, #145A, are not capable of producing unitized substances in paying quantities from the Pictured Cliffs formation.

The well data is as follows:

WELL DATA

Non-Commercial Wells

The Rosa Unit #32 well (non-commercial) is located 1481 feet from the North line and 1035 feet from the East Line, Section 21, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June

14, 1994, and completed in the Pictured Cliff formation on July 28, 1994. The Pictured Cliff Formation was perforated with 63 holes between the following depths:

3202' to 3283'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. On July 28, 1994 the well was tested and no flow was recorded.

The Rosa Unit #88 well (non-commercial) is located 1610 feet from the North line and 1100 feet from the West Line, Section 8, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on August 9, 1981, and completed in the Pictured Cliff formation on February 12, 1982. The Pictured Cliff Formation was perforated with 16 holes between the following depths:

3204' to 3309

These perforations were sand /water fractured. This well has a 1 1/4 inch tubing string. The well was shut in with a SIPT of 532 psig. On February 12, 1982 the well was tested and after flowing for three hours through a ¾ inch variable choke on the 1 1/4 inch tubing, the well gauged 540 Mfc/D with a calculated AOF of 761 Mfc/D.

The Rosa Unit #88A well (non-commercial) is located 1551 feet from the South line and 790 feet from the West Line, Section 8, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 30, 1994, and completed in the Pictured Cliff formation on October 24, 1994. The Pictured Cliff Formation was perforated with 40 holes between the following depths:

3180' to 3304'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. The well was shut in with a SIPT of 1099 psig. On November 4, 1994 the well was tested and after flowing for three hours through a ¾ inch variable choke on the 1½ inch tubing, the well gauged 627 Mfc/D with a calculated AOF of 739 Mfc/D.

The Rosa Unit #137 (non-commercial) well is located 1321 feet from the South line and 820 feet from the West Line, Section 31, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 4, 1994, and completed in the Pictured Cliff formation on July 21, 1994. The Pictured Cliff Formation was perforated with 40 holes between the following depths:

3360' to 3448'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. The well was shut in with a SIPT of 1093 psig. On July 21, 1994 the well was tested and after flowing for three hours through a ¾ inch variable choke on the 1½ inch tubing, the well gauged 1650 Mfc/D with a calculated AOF of 2250 Mfc/D.

The Rosa Unit #137A well (non-commercial) is located 1845 feet from the South line and 1573 feet from the East Line, Section 31, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 29, 1999, and completed in the Pictured Cliff formation on September 15, 1999. The Pictured Cliff Formation was perforated with 16 holes between the following depths:

3381' to 3496'

These perforations were sand /water fractured. This well has a 2 3/8 inch tubing string. On October 10, 1999 the well was pitot tested and after flowing for three hours through a 2-inch choke on the 2 3/8 inch tubing, the well gauged 75 Mfc/D.

The Rosa Unit #138 well (non-commercial) is located 2218 feet from the South line and 580 feet from the East Line, Section 17, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 7, 1994, and completed in the Pictured Cliff formation on October 19, 1994. The Pictured Cliff Formation was perforated with 35 holes between the following depths:

3240' to 3331'

These perforations were sand /water fractured. This well has a 2 3/8 inch tubing string. On October 19, 1994 the well was pitot tested and after flowing for three hours through a 2 - inch choke on the 2 3/8 inch tubing, the well-gauged 1295 Mfc/D.

The Rosa Unit #138A well (non-commercial) is located 1819 feet from the North line and 1188 feet from the East Line, Section 17, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on July 26, 1994, and completed in the Pictured Cliff formation on November 13, 1994. The Pictured Cliff Formation was perforated with 32 holes between the following depths:

3196' to 3288'

These perforations were sand /water fractured. This well has a 1 ½ inch tubing string. On November 13, 1994 the well was pitot tested and after flowing for two hours through a 2 inch choke on the 1 ½ inch tubing, the well gauged 615 Mfc/D.

The Rosa Unit #139 well (non-commercial) is located 1009 feet from the North line and 1496 feet from the West Line, Section 17, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 15, 1994, and completed in the Pictured Cliff formation on November 9, 1994. The Pictured Cliff Formation was perforated with 30 holes between the following depths:

3234' to 3319'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. On October 10, 1999 the well was pitot tested and after flowing for three hours through a 2 - inch choke on the 1½ inch tubing, the well gauged 615 Mfc/D.

The Rosa Unit #142 well (non-commercial) is located 1110 feet from the South line and 1573 feet from the West Line, Section 15, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 18, 1994, and completed in the Pictured Cliff formation on September 10, 1994. The Pictured Cliff Formation was perforated with 42 holes between the following depths:

2999' to 3093'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. On September 10, 1999 the well was pitot tested and after flowing for eight hours through a 2 - inch choke on the 1½ inch tubing, the well-gauged 1065 Mfc/D.

The Rosa Unit #145 well (non-commercial) is located 1679 feet from the North line and 1835 feet from the East Line, Section 16, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 24, 1994, and completed in the Pictured Cliff formation on October 19, 1994. The Pictured Cliff Formation was perforated with 40 holes between the following depths:

3160' to 3255'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. On October 10, 1994 the well was pitot tested and after flowing for three hours through a 2 - inch choke on the 1½ inch tubing, the well gauged 1374 Mfc/D.

The Rosa Unit #145A well (non-commercial) is located 823 feet from the North line and 1139 feet from the West Line, Section 16, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 17, 1994, and completed in the Pictured Cliff formation on October 4, 1994. The Pictured Cliff Formation was perforated with 40 holes between the following depths:

3227' to 3332'

These perforations were sand /water fractured. This well has a 1½ inch tubing string. On October 4, 1994 the well was pitot tested and after flowing for four hours through a 2 - inch choke on the 1½ inch tubing, the well gauged 1374 Mfc/D.

If these determinations meet with your approval, please indicate such approval in the space provided and return an approved copy for our files.

Copies of this letter are being sent to the Unit working interest owners on the attached sheet.

Sincerely,

Kris Russell

Kris Russell
Sr. Production Analyst
918/573-6181

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
May 21, 2001

APPROVED _____ DATE _____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands
And The Oil Conservation Commission

APPROVED _____ DATE _____
Commissioner of Public Lands
Subject to like approval by the
Bureau of Land Management
And The Oil Conservation Commission

APPROVED _____ DATE _____
Oil Conservation Commission
Subject to like approval by the
Bureau of Land Management
And The Commissioner of Public lands

The foregoing is the approval of Notice of Completion of Non-Commercial wells for the Rosa Unit #32, #88, #88A, #137, #137A, #138, #138A, #139, #142, #145, #145A in the Pictured Cliffs formation.

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: SAN JUAN ASSET TEAM
P.O. BOX 3092
HOUSTON, TX 77253-3092

MS. ELIZABETH T. CALLOWAY
P.O. BOX 191767
DALLAS, TX 75219-1767

COASTAL OIL & GAS CORPORATION
C/O EL PASO PRODUCTION COMPANY
ATTN: CHAD SHAW RM 1512
NINE GREENWAY PLAZA
HOUSTON, TX 77046

MR. J. GLENN TURNER, JR
3838 OAK LAWN
SUITE 1600
DALLAS, TX 75219

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P.O. BOX 660197
DALLAS, TX 75266-0197

PATRICIA P. SCHEIFFER TESTAMENTARY, TRUST
ATTN: THOMAS SCHIEFFER
777 MAIN STREET, SUITE 3250
FORT WORTH, TX 76102

MR. WILLIAM G. WEBB
8226 DOUGLAS AVENUE, SUITE 709
DALLAS, TX 75225-5929

J.M. HUBER CORPORTION
ATTN: ANDY LYDYARD
1050 17TH STREET, SUITE 1850
DENVER, CO 80265

SCHULTZ MANAGEMENT, LTD
500 N. AKARD, SUITE 2940
DALLAS, TX 75201

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

CROSS TIMBERS OIL COMPANY
ATTN: EDWIN S. RYAN, JR.
810 HOUSTON STREET, SUITE 2000
FORT WORTH, TX 75102-6298

J.K. EDWARDS ASSOCIATES
ATTN: KEITH EDWARDS
1401 17TH STREET, SUITE 1400
DENVER, CO 80202

MR. JOHN TURNER
PMB 285
317 SIDNEY BAKER SOUTH #400
KERRVILLE, TX 78028

THE WISER OIL COMPANY
ATTN: MATT EAGLESTON
8115 PRESTON ROAD, #400
DALLAS, TX 75225

PHILLIPS PETROLEUM COMPANY
ATTN: JIM BALL
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

HENRIETTA E. SCHULTZ, TRUSTEE
500 NORTH AKARD, SUITE 2940
DALLAS, TX 75201

ROSA UNIT #032 WILLIAMS PRODUC

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

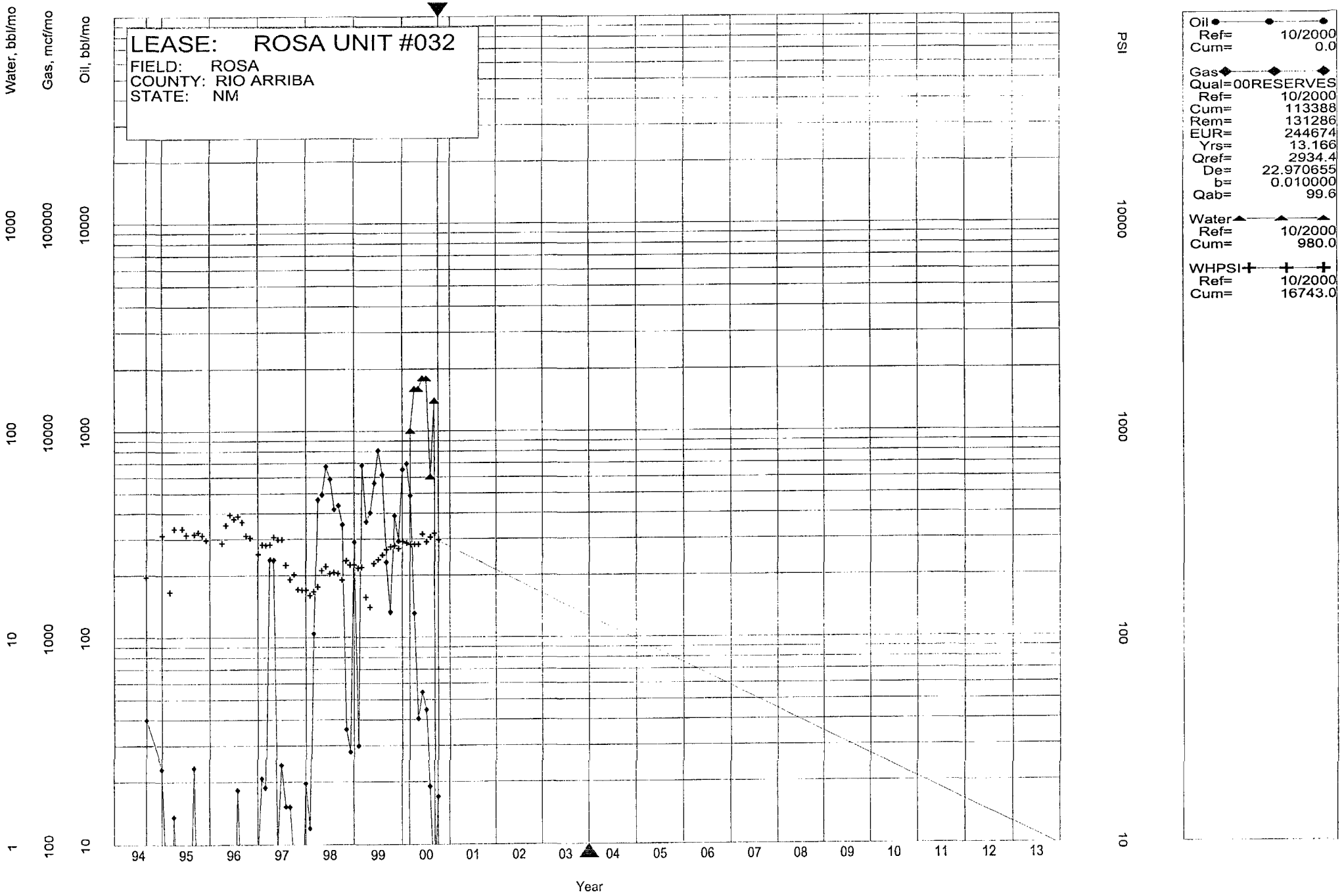
AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO INTEREST ----M$----	NET OPER EXPENSES ---M$---	TOTAL NET INVESTMENT ----M$----	NET INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	0.399	0.000	0.200	0.00	1.416	0.257	2.298	103.389	-105.429	-105.429	-100.459
12-95	0.000	0.770	0.000	0.385	0.00	0.964	0.338	6.893	0.000	-6.555	-111.984	-106.141
12-96	0.000	0.459	0.000	0.230	0.00	1.446	0.302	6.893	0.000	-6.590	-118.574	-111.337
12-97	0.000	6.007	0.000	3.004	0.00	2.109	5.766	6.893	0.000	-1.127	-119.701	-112.089
12-98	0.000	36.243	0.000	18.122	0.00	1.647	27.167	6.893	0.000	20.274	-99.427	-98.916
12-99	0.000	48.007	0.000	24.004	0.00	1.848	40.373	6.893	0.000	33.481	-65.946	-79.082
12-00	0.000	29.854	0.000	14.927	0.00	3.325	45.165	6.893	0.000	38.272	-27.674	-58.149
12-01	0.000	29.030	0.000	14.515	0.00	5.555	73.375	6.893	0.000	66.482	38.808	-25.535
12-02	0.000	22.373	0.000	11.187	0.00	5.555	56.548	6.893	0.000	49.655	88.463	-3.389
12-03	0.000	17.254	0.000	8.627	0.00	5.555	43.610	6.893	0.000	36.717	125.180	11.500
12-04	0.000	13.315	0.000	6.658	0.00	5.555	33.654	6.893	0.000	26.762	151.942	21.366
12-05	0.000	10.282	0.000	5.141	0.00	5.555	25.989	6.893	0.000	19.096	171.038	27.768
12-06	0.000	7.946	0.000	3.973	0.00	5.555	20.083	6.893	0.000	13.190	184.229	31.789
12-07	0.000	6.144	0.000	3.072	0.00	5.555	15.529	6.893	0.000	8.637	192.865	34.184
12-08	0.000	4.754	0.000	2.377	0.00	5.555	12.016	6.893	0.000	5.123	197.989	35.477
S TOT	0.000	232.836	0.000	116.421	0.00	3.777	400.171	98.794	103.389	197.989	197.989	35.477
AFTER	0.000	5.662	0.000	2.831	0.00	5.555	14.310	11.488	0.000	2.823	200.811	36.120
TOTAL	0.000	238.498	0.000	119.252	0.00	3.819	414.482	110.281	103.389	200.811	200.811	36.120

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	238.498
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	238.498
NET RES., MB & MMF	0.000	119.252
NET REVENUE, M$	0.000	455.474
INITIAL PRICE, $	0.000	1.416
INITIAL N.I., PCT.	0.000	50.001

LIFE, YRS.	16.67
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	7.42
DISCOUNTED PAYOUT, YRS.	9.23
UNDISCOUNTED NET/INVEST.	2.94
DISCOUNTED NET/INVEST.	1.37
RATE-OF-RETURN, PCT.	14.54
INITIAL W.I., PCT.	57.438

P.W. %	P.W., M$
5.00	98.885
10.00	36.120
15.00	-3.644
20.00	-29.411
25.00	-46.395
30.00	-57.719
40.00	-70.383
60.00	-77.930
80.00	-77.566
100.00	-75.120


LEASE: ROSA UNIT #032
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
Year
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Oil
Ref= 10/2000
Cum= 0.0
Gas
Qual= 00RESERVES
Ref= 10/2000
Cum= 113388
Rem= 131286
EUR= 244674
Yrs= 13.166
Qref= 2934.4
De= 22.970655
b= 0.010000
Qab= 99.6
Water
Ref= 10/2000
Cum= 980.0
WHPSI
Ref= 10/2000
Cum= 16743.0

ROSA UNIT #088 WILLIAMS PRODUC

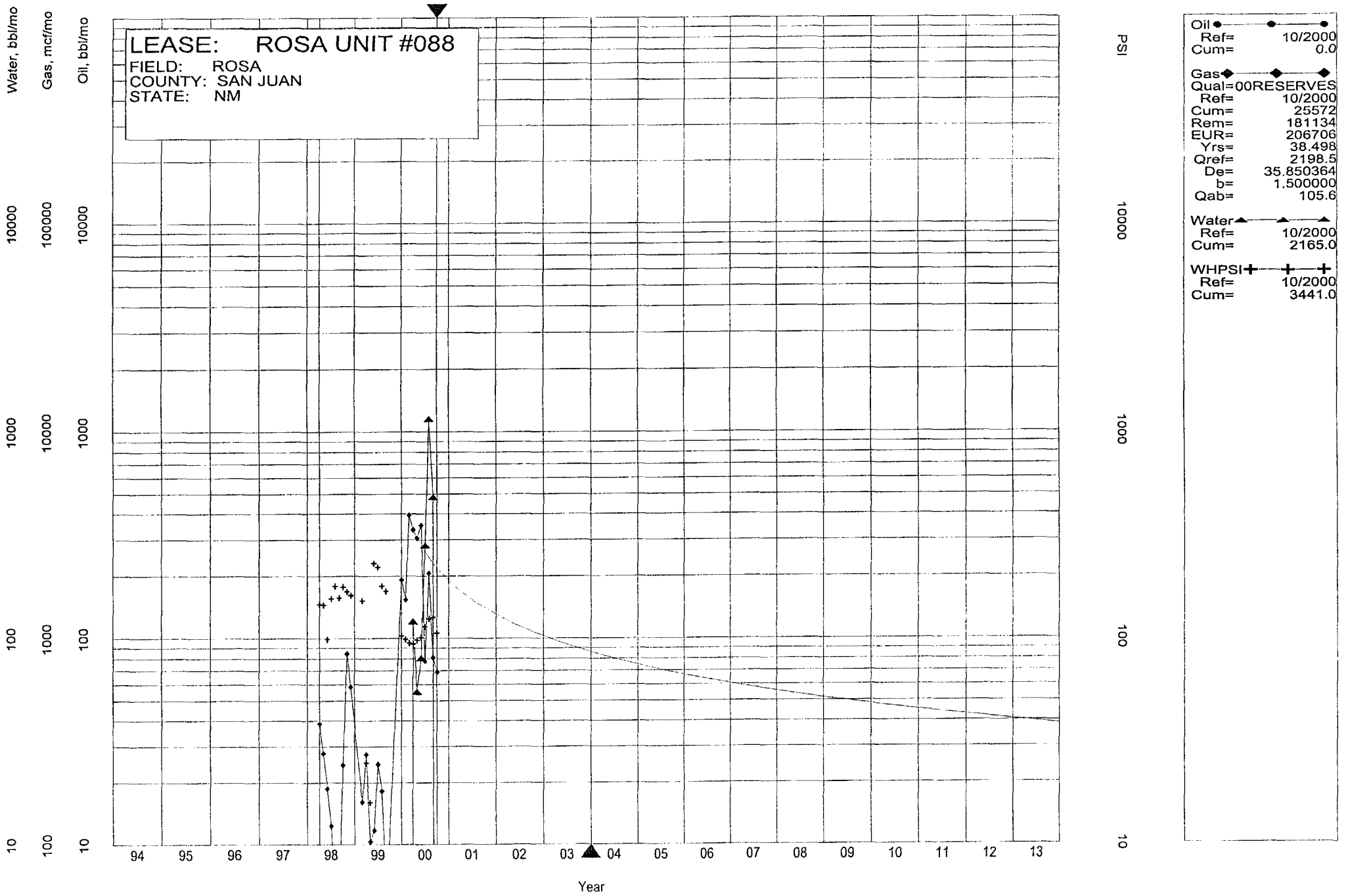
DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	NET OPER EXPENSES ---M$---	TOTAL NET INVESTMENT -----M$----	NET INCOME BEFORE FIT -----M$----	CUMULATIVE CUM NET INCOME ----M$----	DISC NET INCOME ----M$----
12-94	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-95	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-96	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-97	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-98	0.000	2.747	0.000	1.755	0.00	1.621	2.588	6.570	109.500	-113.482	-113.482	-76.773
12-99	0.000	1.135	0.000	0.725	0.00	1.819	1.200	8.760	0.000	-7.560	-121.042	-81.246
12-00	0.000	27.135	0.000	17.332	0.00	3.272	51.601	8.760	0.000	42.841	-78.201	-58.075
12-01	0.000	18.722	0.000	11.959	0.00	5.466	59.483	8.760	0.000	50.723	-27.478	-33.161
12-02	0.000	13.836	0.000	8.838	0.00	5.466	43.959	8.760	0.000	35.199	7.721	-17.462
12-03	0.000	11.261	0.000	7.193	0.00	5.466	35.778	8.760	0.000	27.018	34.739	-6.513
12-04	0.000	9.627	0.000	6.150	0.00	5.466	30.587	8.760	0.000	21.827	56.566	1.526
12-05	0.000	8.482	0.000	5.418	0.00	5.466	26.949	8.760	0.000	18.189	74.755	7.615
12-06	0.000	7.627	0.000	4.872	0.00	5.466	24.230	8.760	0.000	15.470	90.225	12.323
12-07	0.000	6.959	0.000	4.445	0.00	5.466	22.109	8.760	0.000	13.349	103.574	16.015
12-08	0.000	6.420	0.000	4.101	0.00	5.466	20.398	8.760	0.000	11.638	115.212	18.941
S TOT	0.000	113.952	0.000	72.787	0.00	4.814	318.882	94.170	109.500	115.212	115.212	18.941
AFTER	0.000	63.055	0.000	40.276	0.00	5.466	200.331	132.130	0.000	68.201	183.413	29.957
TOTAL	0.000	177.007	0.000	113.063	0.00	5.046	519.213	226.300	109.500	183.413	183.413	29.957

	OIL	GAS			P.W. %	P.W., M$
GROSS WELLS	0.0	1.0	LIFE, YRS.	30.08	5.00	79.173
GROSS ULT., MB & MMF	0.000	177.007	DISCOUNT %	10.00	10.00	29.957
GROSS CUM., MB & MMF	0.000	0.000	UNDISCOUNTED PAYOUT, YRS.	8.78	15.00	5.587
GROSS RES., MB & MMF	0.000	177.007	DISCOUNTED PAYOUT, YRS.	10.81	20.00	-6.652
NET RES., MB & MMF	0.000	113.063	UNDISCOUNTED NET/INVEST.	2.68	25.00	-12.632
NET REVENUE, M$	0.000	570.564	DISCOUNTED NET/INVEST.	1.40	30.00	-15.267
INITIAL PRICE, $	0.000	1.621	RATE-OF-RETURN, PCT.	17.28	40.00	-15.913
INITIAL N.I., PCT.	0.000	63.875	INITIAL W.I., PCT.	73.000	60.00	-12.172
					80.00	-8.450
					100.00	-5.840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FIELD: ROSA
COUNTY: SAN JUAN
STATE: NM
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Gas, mcf/mo
Oil, bbl/mo
PSI
Year
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Cum= 0.0
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Qual= 00RESERVES
Ref= 10/2000
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Qab= 105.6
Water
Ref= 10/2000
Cum= 2165.0
WHPSI
Ref= 10/2000
Cum= 3441.0

ROSA UNIT #088A WILLIAMS PRODU

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	OPER NET EXPENSES ---M$---	TOTAL NET INVESTMENT ----M$----	INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	0.503	0.000	0.101	0.00	1.406	0.130	0.460	38.180	-38.510	-38.510	-36.132
12-95	0.000	0.068	0.000	0.014	0.00	0.957	0.012	2.760	0.000	-2.748	-41.259	-38.514
12-96	0.000	3.870	0.000	0.779	0.00	1.436	1.018	2.760	0.000	-1.742	-43.001	-39.885
12-97	0.000	0.772	0.000	0.155	0.00	2.094	0.296	2.760	0.000	-2.464	-45.465	-41.650
12-98	0.000	2.100	0.000	0.423	0.00	1.636	0.629	2.760	0.000	-2.131	-47.596	-43.040
12-99	0.000	38.634	0.000	7.775	0.00	1.835	12.983	2.760	0.000	10.223	-37.372	-37.113
12-00	0.000	33.222	0.000	6.686	0.00	3.301	20.084	2.760	0.000	17.324	-20.048	-27.710
12-01	0.000	26.975	0.000	5.429	0.00	5.515	27.245	2.760	0.000	24.485	4.438	-15.701
12-02	0.000	22.311	0.000	4.490	0.00	5.515	22.535	2.760	0.000	19.775	24.212	-6.890
12-03	0.000	19.581	0.000	3.941	0.00	5.515	19.777	2.760	0.000	17.017	41.230	0.001
12-04	0.000	17.722	0.000	3.567	0.00	5.515	17.900	2.760	0.000	15.140	56.369	5.573
12-05	0.000	16.346	0.000	3.290	0.00	5.515	16.510	2.760	0.000	13.750	70.119	10.173
12-06	0.000	15.272	0.000	3.073	0.00	5.515	15.425	2.760	0.000	12.665	82.784	14.025
12-07	0.000	14.402	0.000	2.898	0.00	5.515	14.546	2.760	0.000	11.786	94.570	17.283
12-08	0.000	13.668	0.000	2.751	0.00	5.515	13.805	2.760	0.000	11.045	105.615	20.058
S TOT	0.000	225.447	0.000	45.371	0.00	4.430	182.895	39.100	38.180	105.615	105.615	20.058
AFTER	0.000	111.978	0.000	22.536	0.00	5.515	113.100	30.360	0.000	82.740	188.355	33.145
TOTAL	0.000	337.425	0.000	67.907	0.00	4.790	295.995	69.460	38.180	188.355	188.355	33.145

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	337.425
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	337.425
NET RES., MB & MMF	0.000	67.907
NET REVENUE, M$	0.000	325.269
INITIAL PRICE, $	0.000	1.406
INITIAL N.I., PCT.	0.000	20.125

LIFE, YRS.	26.00
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	7.82
DISCOUNTED PAYOUT, YRS.	10.00
UNDISCOUNTED NET/INVEST.	5.93
DISCOUNTED NET/INVEST.	1.93
RATE-OF-RETURN, PCT.	17.44
INITIAL W.I., PCT.	23.000

P.W. %	P.W., M$
5.00	83.244
10.00	33.145
15.00	7.080
20.00	-7.402
25.00	-15.827
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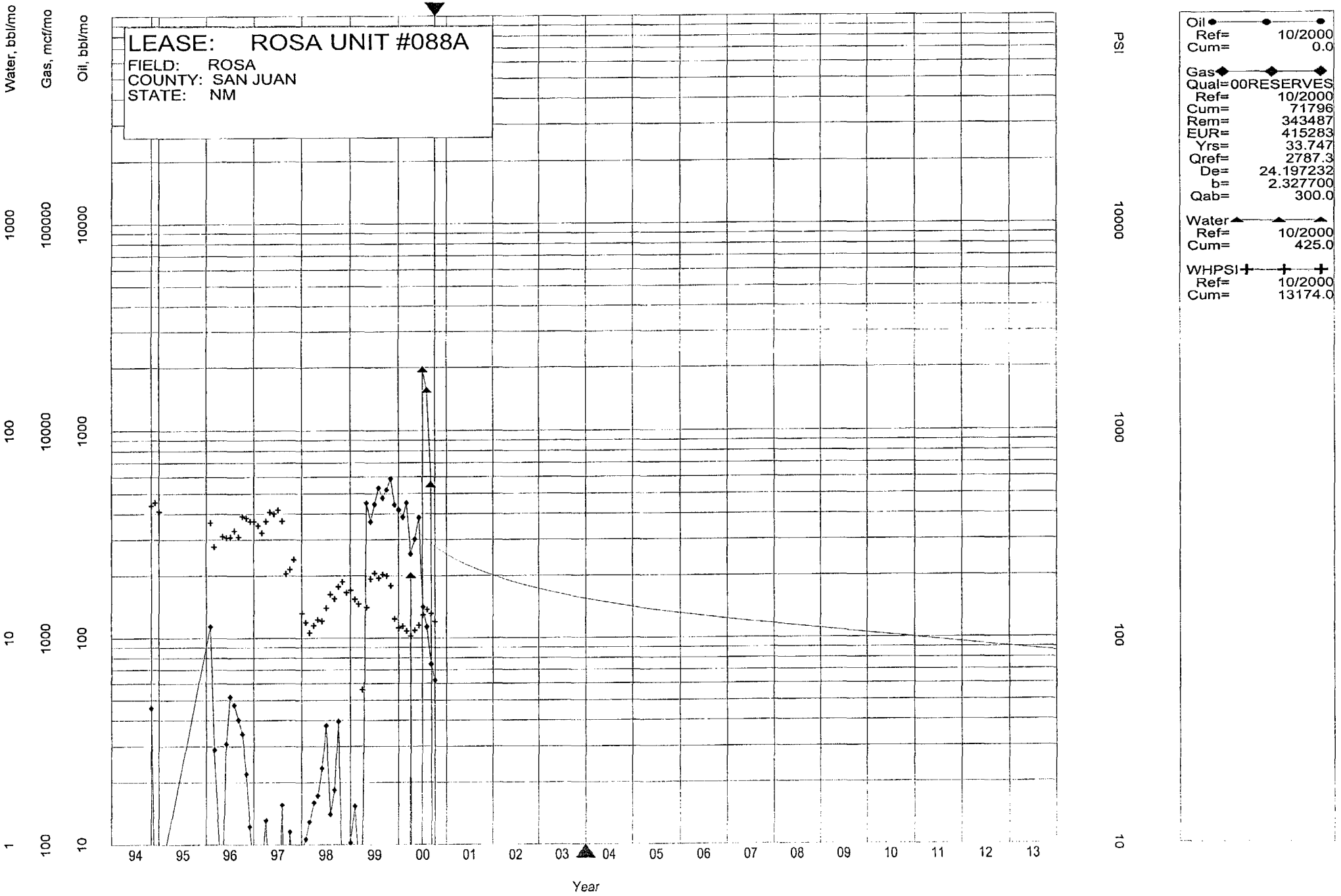
100.00	-25.202


LEASE: ROSA UNIT #088A
FIELD: ROSA
COUNTY: SAN JUAN
STATE: NM
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Gas, mcf/mo
Oil, bbl/mo
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10
100
1000
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100
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1000
10000
100000
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100
1000
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Rem= 343487
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Qab= 300.0
Water
Ref= 10/2000
Cum= 425.0
WHPSI
Ref= 10/2000
Cum= 13174.0

ROSA UNIT #137 WILLIAMS PRODUC

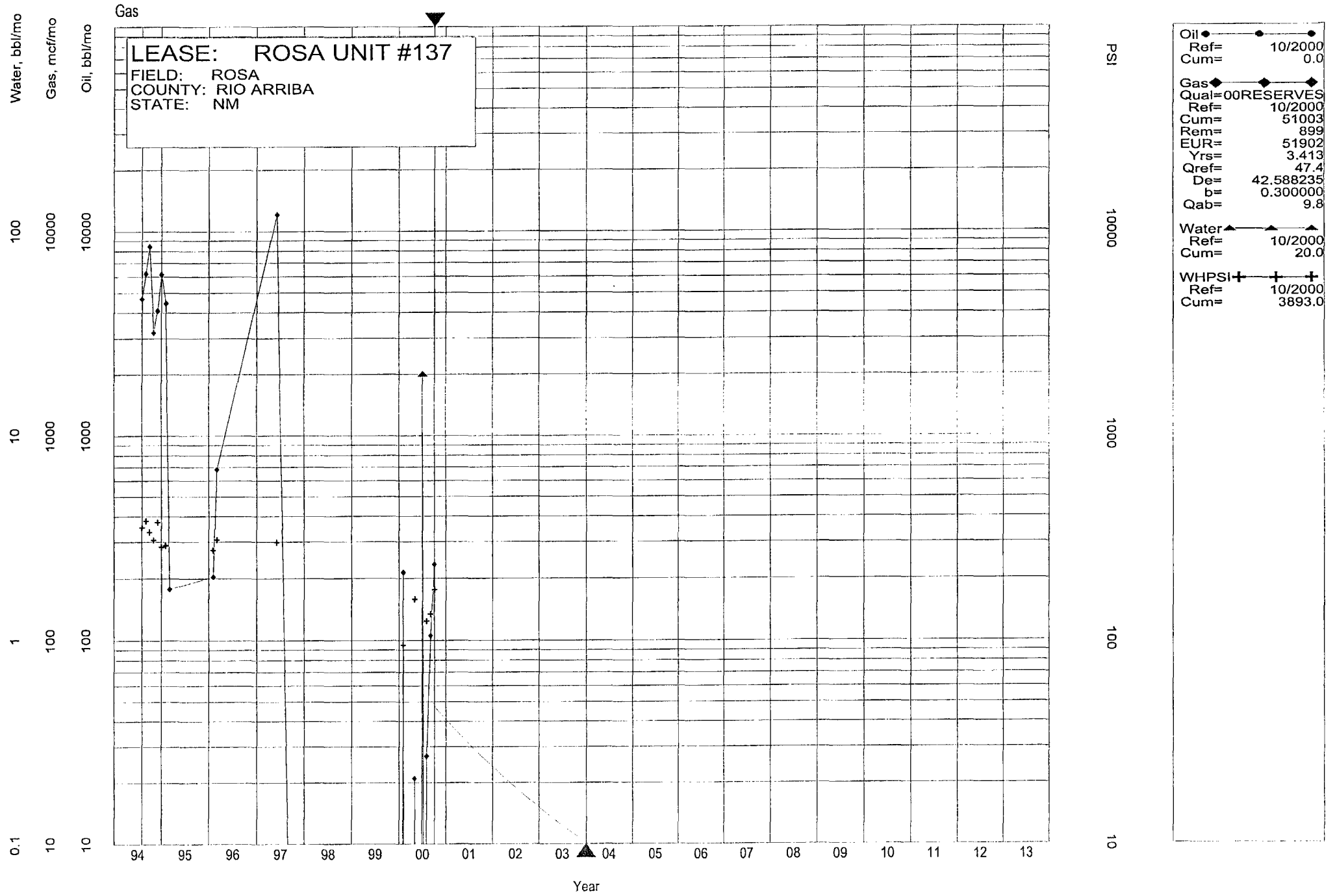
DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	NET OPER EXPENSES ---M$---	TOTAL INVESTMENT ----M$----	NET INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	26.655	0.000	17.026	0.00	1.318	20.413	3.650	141.620	-124.857	-124.857	-120.537
12-95	0.000	10.786	0.000	6.890	0.00	0.897	5.624	8.760	0.000	-3.136	-127.993	-123.059
12-96	0.000	0.887	0.000	0.567	0.00	1.346	0.694	8.760	0.000	-8.066	-136.060	-129.401
12-97	0.000	12.075	0.000	7.713	0.00	1.962	13.772	4.380	0.000	9.392	-126.667	-122.710
12-98												
12-99												
12-00												
12-01												
12-02												
12-03												
12-04												
12-05												
12-06												
12-07												
12-08												
S TOT	0.000	50.403	0.000	32.195	0.00	1.382	40.503	25.550	141.620	-126.667	-126.667	-122.710
AFTER	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	-126.667	-122.710
TOTAL	0.000	50.403	0.000	32.195	0.00	1.382	40.503	25.550	141.620	-126.667	-126.667	-122.710

	OIL	GAS			P.W. %	P.W., M$
GROSS WELLS	0.0	1.0	LIFE, YRS.	3.50	5.00	-124.672
GROSS ULT., MB & MMF	0.000	50.403	DISCOUNT %	10.00	10.00	-122.710
GROSS CUM., MB & MMF	0.000	0.000	UNDISCOUNTED PAYOUT, YRS.	3.50	15.00	-120.798
GROSS RES., MB & MMF	0.000	50.403	DISCOUNTED PAYOUT, YRS.	3.50	20.00	-118.946
NET RES., MB & MMF	0.000	32.195	UNDISCOUNTED NET/INVEST.	0.11	25.00	-117.160
NET REVENUE, M$	0.000	44.509	DISCOUNTED NET/INVEST.	0.10	30.00	-115.441
INITIAL PRICE, $	0.000	1.318	RATE-OF-RETURN, PCT.	0.00	40.00	-112.206
INITIAL N.I., PCT.	0.000	63.875	INITIAL W.I., PCT.	73.000	60.00	-106.483
					80.00	-101.608
					100.00	-97.412


Gas
LEASE: ROSA UNIT #137
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
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1
10
100
10
100
1000
10000
10
100
1000
10000
94
95
96
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00
01
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Ref= 10/2000
Cum= 0.0
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Qual=00RESERVES
Ref= 10/2000
Cum= 51003
Rem= 899
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Qab= 9.8
Water
Ref= 10/2000
Cum= 20.0
WHPSI
Ref= 10/2000
Cum= 3893.0

ROSA UNIT #137A WILLIAMS PRODU

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

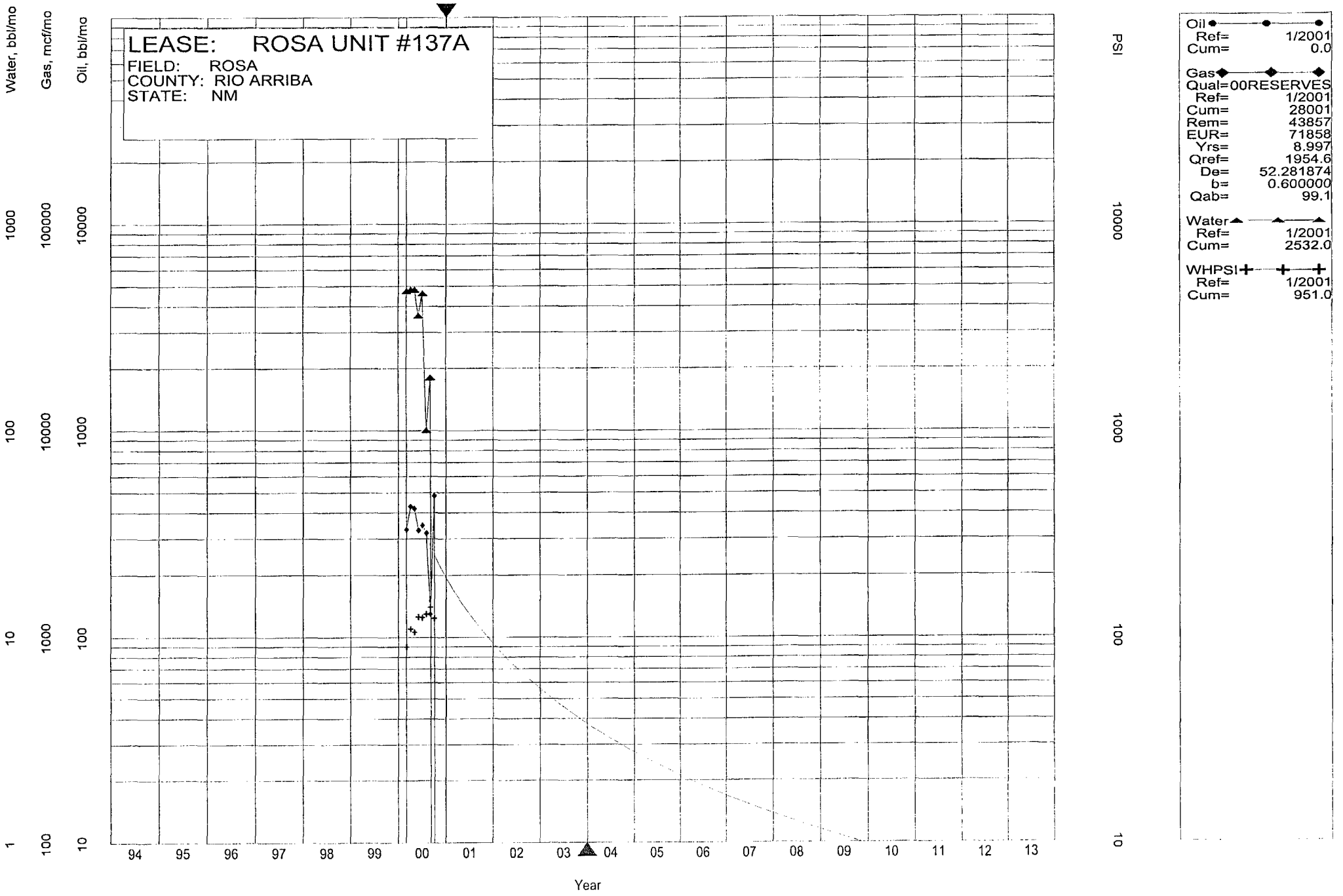
R E S E R V E S A N D E C O N O M I C S

AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	NET OPER EXPENSES ---M$---	TOTAL NET INVESTMENT ----M$----	NET INCOME BEFORE FIT ----M$----	CUMULATIVE CUM NET INCOME ----M$----	DISC NET INCOME ----M$----
12-94	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-95	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-96	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-97	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-98	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-99	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-00	0.000	29.732	0.000	18.991	0.00	3.165	54.699	7.300	182.500	-135.101	-135.101	-77.540
12-01	0.000	16.127	0.000	10.301	0.00	5.288	49.567	8.760	0.000	40.807	-94.294	-57.425
12-02	0.000	8.650	0.000	5.525	0.00	5.288	26.587	8.760	0.000	17.827	-76.467	-49.445
12-03	0.000	5.518	0.000	3.524	0.00	5.288	16.959	8.760	0.000	8.199	-68.268	-46.108
12-04	0.000	3.877	0.000	2.477	0.00	5.288	11.918	8.760	0.000	3.158	-65.111	-44.936
12-05	0.000	1.784	0.000	1.139	0.00	5.288	5.483	5.110	0.000	0.373	-64.738	-44.807
12-06												
12-07												
12-08												
S TOT	0.000	65.688	0.000	41.958	0.00	4.327	165.212	47.450	182.500	-64.738	-64.738	-44.807
AFTER	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	-64.738	-44.807
TOTAL	0.000	65.688	0.000	41.958	0.00	4.327	165.212	47.450	182.500	-64.738	-64.738	-44.807

	OIL	GAS		
GROSS WELLS	0.0	1.0	LIFE, YRS.	11.58
GROSS ULT., MB & MMF	0.000	65.688	DISCOUNT %	10.00
GROSS CUM., MB & MMF	0.000	0.000	UNDISCOUNTED PAYOUT, YRS.	11.58
GROSS RES., MB & MMF	0.000	65.688	DISCOUNTED PAYOUT, YRS.	11.58
NET RES., MB & MMF	0.000	41.958	UNDISCOUNTED NET/INVEST.	0.65
NET REVENUE, M$	0.000	181.552	DISCOUNTED NET/INVEST.	0.57
INITIAL PRICE, $	0.000	3.165	RATE-OF-RETURN, PCT.	0.00
INITIAL N.I., PCT.	0.000	63.875	INITIAL W.I., PCT.	73.000

P.W. %	P.W., M$
5.00	-54.181
10.00	-44.807
15.00	-36.861
20.00	-30.281
25.00	-24.896
30.00	-20.515
40.00	-14.066
60.00	-6.929
80.00	-3.635
100.00	-2.019


LEASE: ROSA UNIT #137A
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
Year
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Oil
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Cum= 0.0
Gas
Qual= 00RESERVES
Ref= 1/2001
Cum= 28001
Rem= 43857
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Water
Ref= 1/2001
Cum= 2532.0
WHPSI
Ref= 1/2001
Cum= 951.0

ROSA UNIT #138 WILLIAMS PRODUC

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

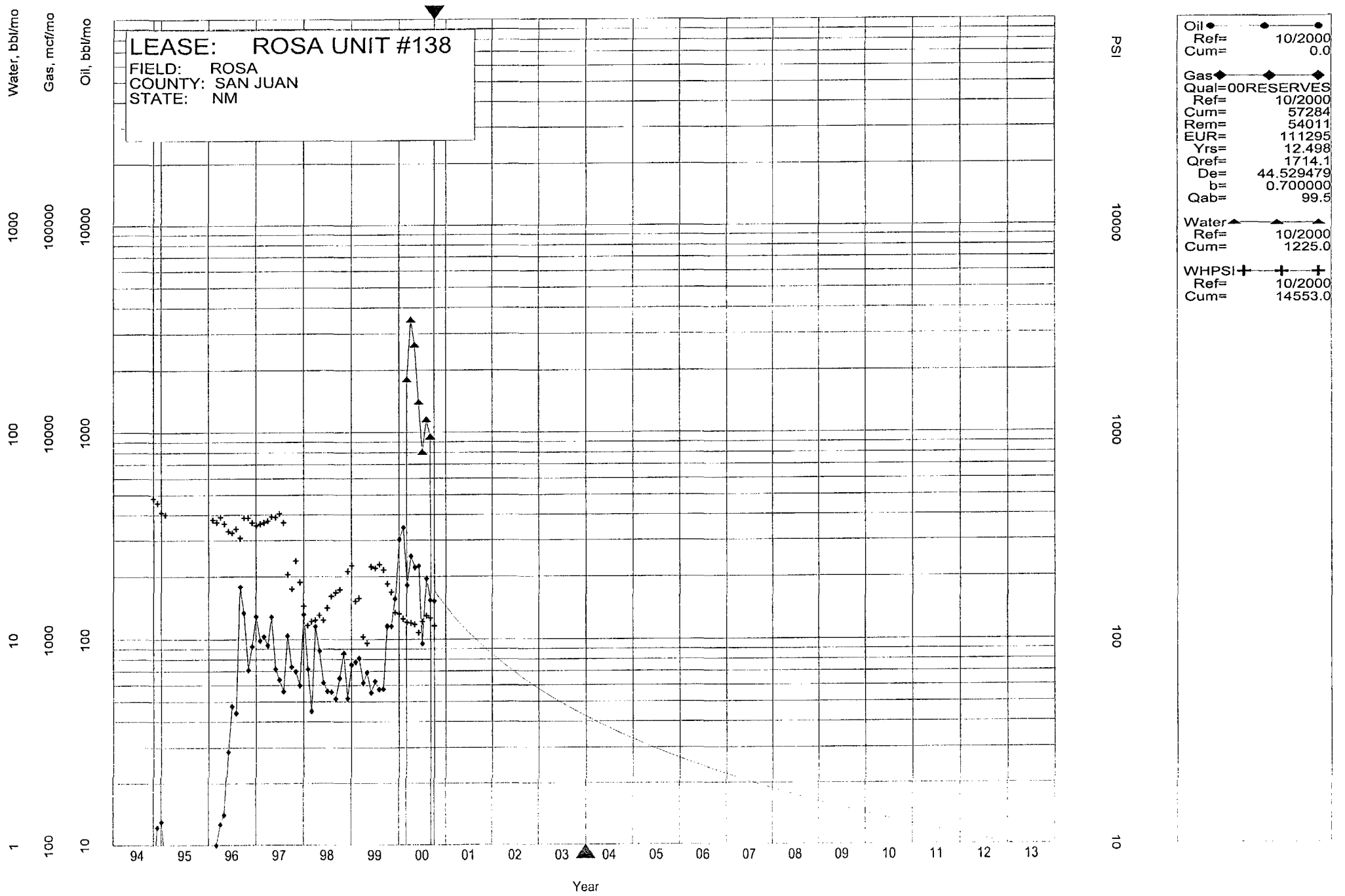
AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	OPER EXPENSES ---M$---	NET INVESTMENT ----M$----	TOTAL NET INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	0.187	0.000	0.038	0.00	1.346	0.046	0.460	41.860	-42.274	-42.274	-39.662
12-95	0.000	0.211	0.000	0.042	0.00	0.916	0.035	2.760	0.000	-2.725	-44.998	-42.024
12-96	0.000	6.445	0.000	1.297	0.00	1.375	1.622	2.760	0.000	-1.138	-46.136	-42.947
12-97	0.000	10.524	0.000	2.118	0.00	2.005	3.864	2.760	0.000	1.104	-45.032	-42.141
12-98	0.000	8.799	0.000	1.771	0.00	1.566	2.523	2.760	0.000	-0.237	-45.270	-42.288
12-99	0.000	9.856	0.000	1.984	0.00	1.756	3.170	2.760	0.000	0.410	-44.859	-42.056
12-00	0.000	24.450	0.000	4.921	0.00	3.160	14.148	2.760	0.000	11.388	-33.471	-35.872
12-01	0.000	13.205	0.000	2.657	0.00	5.279	12.766	2.760	0.000	10.006	-23.465	-30.948
12-02	0.000	8.350	0.000	1.680	0.00	5.279	8.072	2.760	0.000	5.312	-18.153	-28.574
12-03	0.000	5.913	0.000	1.190	0.00	5.279	5.716	2.760	0.000	2.956	-15.197	-27.372
12-04	0.000	4.481	0.000	0.902	0.00	5.279	4.332	2.760	0.000	1.572	-13.625	-26.791
12-05	0.000	3.554	0.000	0.715	0.00	5.279	3.436	2.760	0.000	0.676	-12.949	-26.563
12-06	0.000	1.763	0.000	0.355	0.00	5.279	1.705	1.610	0.000	0.095	-12.854	-26.534
12-07												
12-08												
S TOT	0.000	97.737	0.000	19.669	0.00	3.432	61.436	32.430	41.860	-12.854	-12.854	-26.534
AFTER	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	-12.854	-26.534
TOTAL	0.000	97.737	0.000	19.669	0.00	3.432	61.436	32.430	41.860	-12.854	-12.854	-26.534

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	97.737
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	97.737
NET RES., MB & MMF	0.000	19.669
NET REVENUE, M$	0.000	67.512
INITIAL PRICE, $	0.000	1.346
INITIAL N.I., PCT.	0.000	20.125

LIFE, YRS.	12.58
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	12.58
DISCOUNTED PAYOUT, YRS.	12.58
UNDISCOUNTED NET/INVEST.	0.69
DISCOUNTED NET/INVEST.	0.32
RATE-OF-RETURN, PCT.	0.00
INITIAL W.I., PCT.	23.000

P.W. %	P.W., M$
5.00	-21.355
10.00	-26.534
15.00	-29.659
20.00	-31.488
25.00	-32.487
30.00	-32.947
40.00	-32.929
60.00	-31.371
80.00	-29.377
100.00	-27.488


LEASE: ROSA UNIT #138
FIELD: ROSA
COUNTY: SAN JUAN
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
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100000
10000
100
10000
1000
10
1000
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1
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10000
1000
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94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Year
Oil
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Gas
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EUR= 111295
Yrs= 12.498
Qref= 1714.1
De= 44.529479
b= 0.700000
Qab= 99.5
Water
Ref= 10/2000
Cum= 1225.0
WHPSI
Ref= 10/2000
Cum= 14553.0

ROSA UNIT #138A WILLIAMS PRODU

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

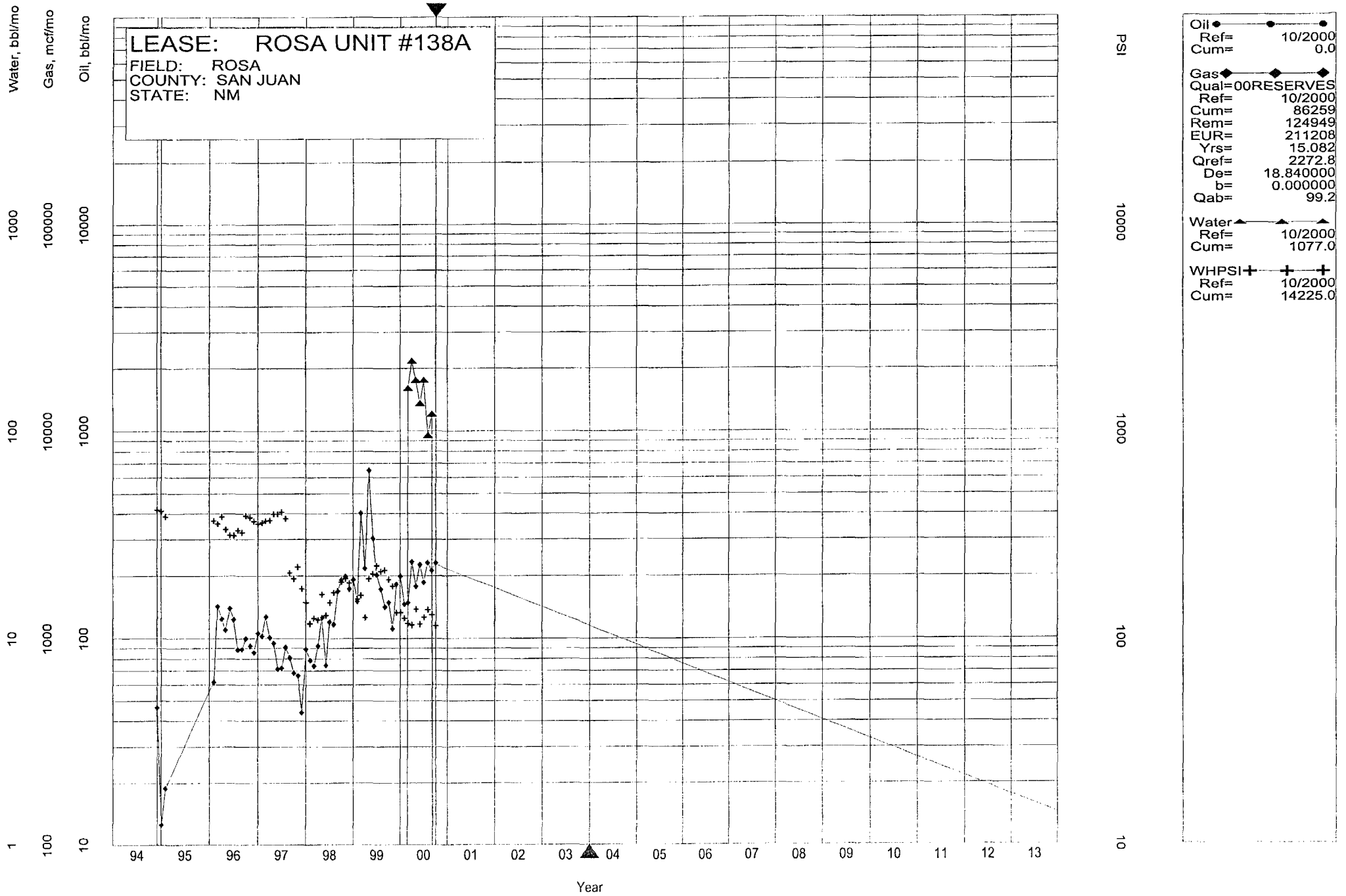
AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO INTEREST ----M$----	NET OPER EXPENSES ---M$---	NET TOTAL INVESTMENT ----M$----	INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	0.464	0.000	0.093	0.00	1.341	0.114	0.230	42.090	-42.206	-42.206	-39.292
12-95	0.000	0.314	0.000	0.063	0.00	0.913	0.053	2.760	0.000	-2.707	-44.914	-41.638
12-96	0.000	11.564	0.000	2.327	0.00	1.370	2.901	2.760	0.000	0.141	-44.773	-41.533
12-97	0.000	10.253	0.000	2.063	0.00	1.997	3.750	2.760	0.000	0.990	-43.783	-40.807
12-98	0.000	15.025	0.000	3.024	0.00	1.560	4.292	2.760	0.000	1.532	-42.251	-39.833
12-99	0.000	28.725	0.000	5.781	0.00	1.750	9.206	2.760	0.000	6.446	-35.804	-35.984
12-00	0.000	24.252	0.000	4.881	0.00	3.148	13.982	2.760	0.000	11.222	-24.582	-29.960
12-01	0.000	23.363	0.000	4.702	0.00	5.260	22.504	2.760	0.000	19.744	-4.838	-20.278
12-02	0.000	18.962	0.000	3.816	0.00	5.260	18.264	2.760	0.000	15.504	10.666	-13.365
12-03	0.000	15.389	0.000	3.097	0.00	5.260	14.823	2.760	0.000	12.063	22.730	-8.476
12-04	0.000	12.490	0.000	2.514	0.00	5.260	12.031	2.760	0.000	9.271	32.001	-5.059
12-05	0.000	10.137	0.000	2.040	0.00	5.260	9.764	2.760	0.000	7.004	39.005	-2.712
12-06	0.000	8.227	0.000	1.656	0.00	5.260	7.925	2.760	0.000	5.165	44.169	-1.139
12-07	0.000	6.677	0.000	1.344	0.00	5.260	6.432	2.760	0.000	3.672	47.841	-0.121
12-08	0.000	5.419	0.000	1.091	0.00	5.260	5.220	2.760	0.000	2.460	50.301	0.499
S TOT	0.000	191.261	0.000	38.491	0.00	3.747	131.261	38.870	42.090	50.301	50.301	0.499
AFTER	0.000	9.731	0.000	1.958	0.00	5.260	9.373	7.130	0.000	2.243	52.544	0.997
TOTAL	0.000	200.992	0.000	40.450	0.00	3.821	140.634	46.000	42.090	52.544	52.544	0.997

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	200.992
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	200.992
NET RES., MB & MMF	0.000	40.450
NET REVENUE, M$	0.000	154.542
INITIAL PRICE, $	0.000	1.341
INITIAL N.I., PCT.	0.000	20.125

LIFE, YRS.	17.58
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	8.31
DISCOUNTED PAYOUT, YRS.	14.20
UNDISCOUNTED NET/INVEST.	2.25
DISCOUNTED NET/INVEST.	1.03
RATE-OF-RETURN, PCT.	10.43
INITIAL W.I., PCT.	23.000

P.W. %	P.W., M$
5.00	20.174
10.00	0.997
15.00	-10.663
20.00	-17.876
25.00	-22.375
30.00	-25.172
40.00	-27.867
60.00	-28.409
80.00	-27.072
100.00	-25.420


LEASE: ROSA UNIT #138A
FIELD: ROSA
COUNTY: SAN JUAN
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
Year
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Oil
Ref= 10/2000
Cum= 0.0
Gas
Qual=00RESERVES
Ref= 10/2000
Cum= 86259
Rem= 124949
EUR= 211208
Yrs= 15.082
Qref= 2272.8
De= 18.840000
b= 0.000000
Qab= 99.2
Water
Ref= 10/2000
Cum= 1077.0
WHPSI
Ref= 10/2000
Cum= 14225.0

ROSA UNIT #139 WILLIAMS PRODUC

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION -----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST -----M$----	OPER NET EXPENSES ---M$---	TOTAL INVESTMENT -----M$----	NET INCOME BEFORE FIT -----M$----	CUMULATIVE CUM NET INCOME ----M$----	DISC NET INCOME ----M$----
12-94	0.000	1.086	0.000	0.219	0.00	1.322	0.263	0.460	43.240	-43.437	-43.437	-40.759
12-95	0.000	0.450	0.000	0.091	0.00	0.900	0.074	2.760	0.000	-2.686	-46.123	-43.085
12-96	0.000	7.821	0.000	1.574	0.00	1.350	1.934	2.760	0.000	-0.826	-46.949	-43.757
12-97	0.000	8.139	0.000	1.638	0.00	1.969	2.935	2.760	0.000	0.175	-46.775	-43.633
12-98	0.000	14.826	0.000	2.984	0.00	1.538	4.175	2.760	0.000	1.415	-45.360	-42.724
12-99	0.000	47.223	0.000	9.504	0.00	1.725	14.918	2.760	0.000	12.158	-33.202	-35.584
12-00	0.000	32.630	0.000	6.567	0.00	3.103	18.543	2.760	0.000	15.783	-17.418	-27.036
12-01	0.000	20.749	0.000	4.176	0.00	5.184	19.700	2.760	0.000	16.940	-0.479	-18.719
12-02	0.000	15.708	0.000	3.161	0.00	5.184	14.914	2.760	0.000	12.154	11.676	-13.299
12-03	0.000	12.888	0.000	2.594	0.00	5.184	12.237	2.760	0.000	9.477	21.152	-9.459
12-04	0.000	11.050	0.000	2.224	0.00	5.184	10.491	2.760	0.000	7.731	28.883	-6.611
12-05	0.000	9.741	0.000	1.960	0.00	5.184	9.249	2.760	0.000	6.489	35.372	-4.439
12-06	0.000	8.755	0.000	1.762	0.00	5.184	8.312	2.760	0.000	5.552	40.924	-2.750
12-07	0.000	7.980	0.000	1.606	0.00	5.184	7.577	2.760	0.000	4.817	45.741	-1.418
12-08	0.000	7.353	0.000	1.480	0.00	5.184	6.982	2.760	0.000	4.222	49.962	-0.356
S TOT	0.000	206.398	0.000	41.538	0.00	3.500	132.302	39.100	43.240	49.962	49.962	-0.356
AFTER	0.000	55.785	0.000	11.227	0.00	5.184	52.965	29.210	0.000	23.755	73.717	3.609
TOTAL	0.000	262.183	0.000	52.764	0.00	3.858	185.267	68.310	43.240	73.717	73.717	3.609

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	262.183
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	262.183
NET RES., MB & MMF	0.000	52.764
NET REVENUE, M$	0.000	203.590
INITIAL PRICE, $	0.000	1.322
INITIAL N.I., PCT.	0.000	20.125

LIFE, YRS.	25.58
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	8.04
DISCOUNTED PAYOUT, YRS.	15.42
UNDISCOUNTED NET/INVEST.	2.70
DISCOUNTED NET/INVEST.	1.09
RATE-OF-RETURN, PCT.	11.31
INITIAL W.I., PCT.	23.000

P.W. %	P.W., M$
5.00	27.906
10.00	3.609
15.00	-10.191
20.00	-18.403
25.00	-23.432
30.00	-26.551
40.00	-29.625
60.00	-30.545
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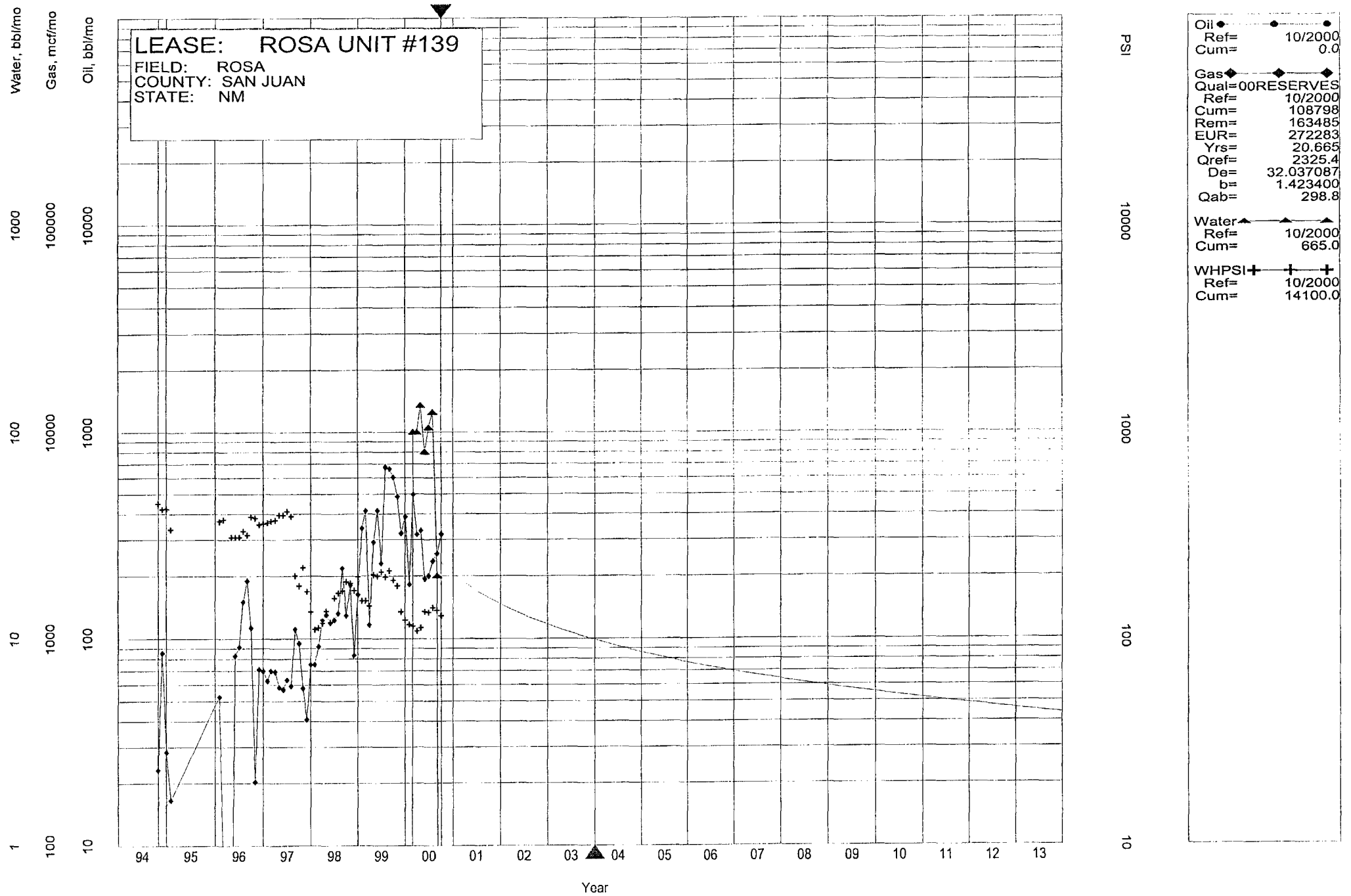
100.00	-27.821


LEASE: ROSA UNIT #139
FIELD: ROSA
COUNTY: SAN JUAN
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
Year
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Oil
Ref= 10/2000
Cum= 0.0
Gas
Qual= 00RESERVES
Ref= 10/2000
Cum= 108798
Rem= 163485
EUR= 272283
Yrs= 20.665
Qref= 2325.4
De= 32.037087
b= 1.423400
Qab= 298.8
Water
Ref= 10/2000
Cum= 665.0
WHPSI
Ref= 10/2000
Cum= 14100.0

ROSA UNIT #142 WILLIAMS PRODUC

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

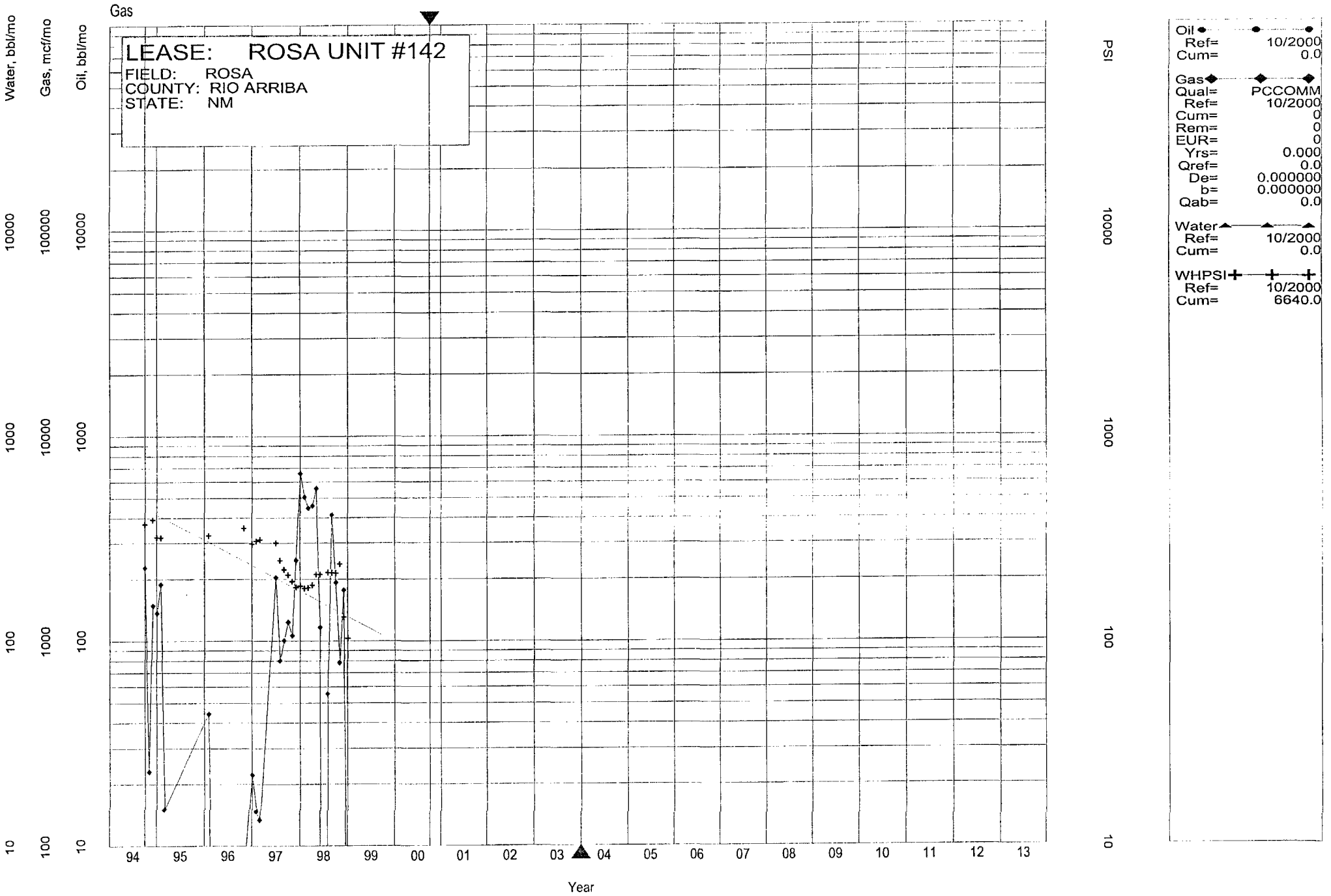
AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	OPER NET EXPENSES ---M$---	TOTAL INVESTMENT ----M$----	NET INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	3.996	0.000	3.346	0.00	1.333	4.058	1.722	210.518	-208.183	-208.183	-196.979
12-95	0.000	3.414	0.000	2.858	0.00	0.907	2.360	6.890	0.000	-4.529	-212.712	-200.827
12-96	0.000	0.544	0.000	0.455	0.00	1.361	0.564	6.890	0.000	-6.326	-219.038	-205.801
12-97	0.000	9.131	0.000	7.645	0.00	1.985	13.809	6.890	0.000	6.919	-212.119	-201.058
12-98	0.000	36.611	0.000	30.654	0.00	1.550	43.239	6.890	0.000	36.349	-175.770	-176.986
12-99												
12-00												
12-01												
12-02												
12-03												
12-04												
12-05												
12-06												
12-07												
12-08												
S TOT	0.000	53.696	0.000	44.959	0.00	1.565	64.029	29.281	210.518	-175.770	-175.770	-176.986
AFTER	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	-175.770	-176.986
TOTAL	0.000	53.696	0.000	44.959	0.00	1.565	64.029	29.281	210.518	-175.770	-175.770	-176.986

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	53.696
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	53.696
NET RES., MB & MMF	0.000	44.959
NET REVENUE, M$	0.000	70.362
INITIAL PRICE, $	0.000	1.333
INITIAL N.I., PCT.	0.000	83.729

LIFE, YRS.	5.00
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	5.00
DISCOUNTED PAYOUT, YRS.	5.00
UNDISCOUNTED NET/INVEST.	0.17
DISCOUNTED NET/INVEST.	0.11
RATE-OF-RETURN, PCT.	0.00
INITIAL W.I., PCT.	95.690

P.W. %	P.W., M$
5.00	-176.993
10.00	-176.986
15.00	-176.132
20.00	-174.698
25.00	-172.871
30.00	-170.785
40.00	-166.181
60.00	-156.583
80.00	-147.543
100.00	-139.429


Gas
LEASE: ROSA UNIT #142
FIELD: ROSA
COUNTY: RIO ARRIBA
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
10000
1000
100
10
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Year
Oil
Ref= 10/2000
Cum= 0.0
Gas
Qual= PCCOMM
Ref= 10/2000
Cum= 0
Rem= 0
EUR= 0
Yrs= 0.000
Qref= 0.0
De= 0.000000
b= 0.000000
Qab= 0.0
Water
Ref= 10/2000
Cum= 0.0
WHPSI
Ref= 10/2000
Cum= 6640.0

ROSA UNIT #145 WILLIAMS PRODUC

DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

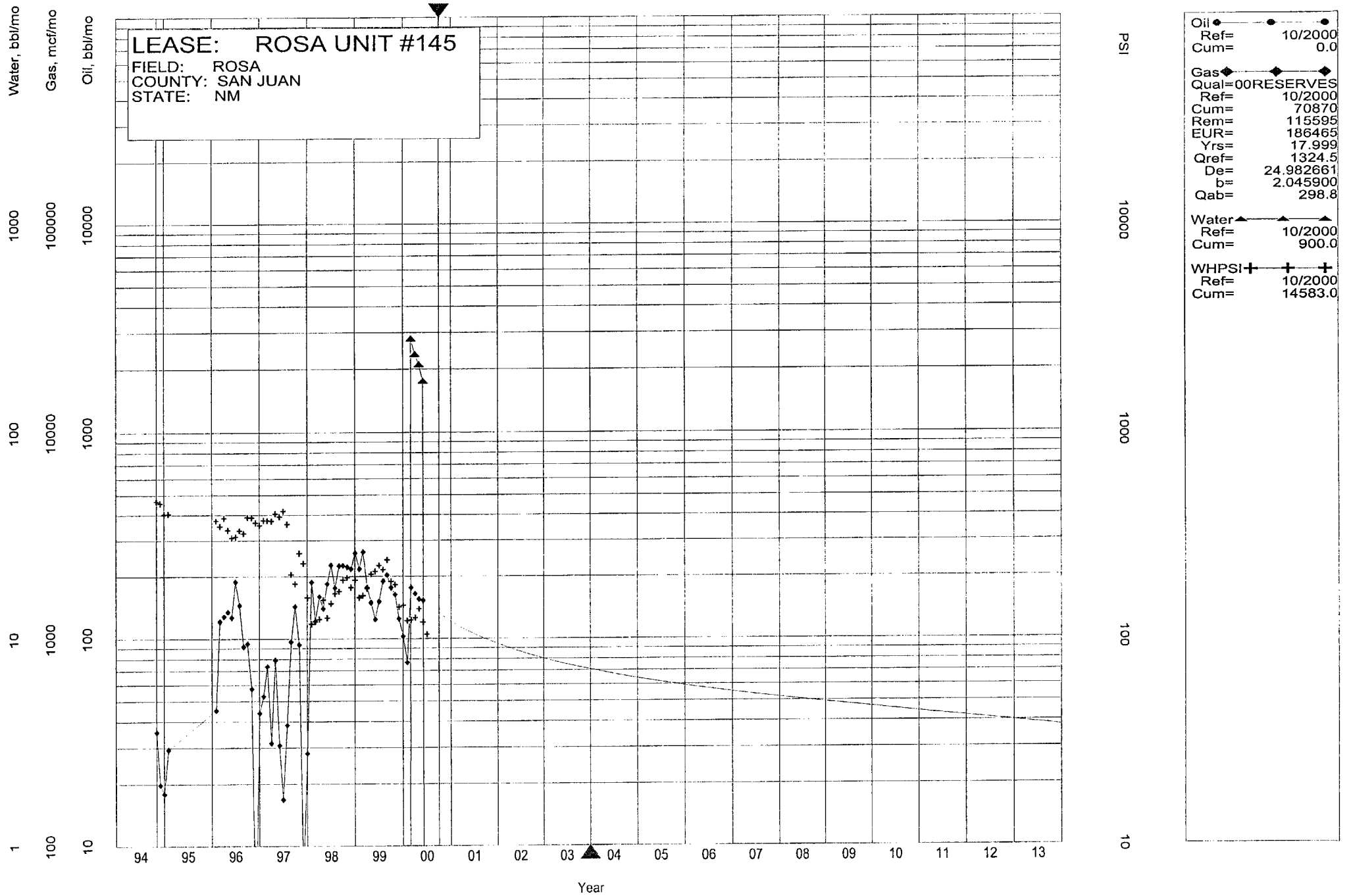
AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION -MB-	GROSS GAS PRODUCTION -MMF-	OIL TO NET INTEREST -MB-	GAS TO NET INTEREST -MMF-	--GROSS PRICES- OIL $/B	GAS $/M	REVENUE TO NET INTEREST M$	NET OPER EXPENSES M$	TOTAL NET INVESTMENT M$	NET INCOME BEFORE FIT M$	CUMULATIVE NET INCOME M$	CUM DISC NET INCOME M$
12-94	0.000	0.554	0.000	0.119	0.00	1.377	0.149	0.517	48.082	-48.450	-48.450	-45.459
12-95	0.000	0.474	0.000	0.102	0.00	0.937	0.087	3.102	0.000	-3.015	-51.466	-48.071
12-96	0.000	11.366	0.000	2.440	0.00	1.406	3.121	3.102	0.000	0.019	-51.446	-48.055
12-97	0.000	7.074	0.000	1.518	0.00	2.050	2.833	3.102	0.000	-0.269	-51.716	-48.255
12-98	0.000	21.137	0.000	4.537	0.00	1.601	6.610	3.102	0.000	3.508	-48.207	-45.999
12-99	0.000	21.985	0.000	4.719	0.00	1.796	7.714	3.102	0.000	4.612	-43.595	-43.248
12-00	0.000	12.076	0.000	2.592	0.00	3.232	7.623	3.102	0.000	4.521	-39.074	-40.799
12-01	0.000	12.728	0.000	2.732	0.00	5.399	13.423	3.102	0.000	10.321	-28.754	-35.735
12-02	0.000	10.394	0.000	2.231	0.00	5.399	10.961	3.102	0.000	7.859	-20.895	-32.232
12-03	0.000	9.016	0.000	1.935	0.00	5.399	9.508	3.102	0.000	6.406	-14.489	-29.637
12-04	0.000	8.079	0.000	1.734	0.00	5.399	8.519	3.102	0.000	5.417	-9.072	-27.642
12-05	0.000	7.387	0.000	1.586	0.00	5.399	7.790	3.102	0.000	4.688	-4.384	-26.073
12-06	0.000	6.849	0.000	1.470	0.00	5.399	7.223	3.102	0.000	4.121	-0.264	-24.820
12-07	0.000	6.415	0.000	1.377	0.00	5.399	6.765	3.102	0.000	3.663	3.400	-23.807
12-08	0.000	6.056	0.000	1.300	0.00	5.399	6.386	3.102	0.000	3.284	6.684	-22.981
S TOT	0.000	141.590	0.000	30.392	0.00	3.569	98.712	43.946	48.082	6.684	6.684	-22.981
AFTER	0.000	33.641	0.000	7.221	0.00	5.399	35.476	20.939	0.000	14.537	21.221	-20.299
TOTAL	0.000	175.231	0.000	37.612	0.00	3.921	134.188	64.885	48.082	21.221	21.221	-20.299

	OIL	GAS
GROSS WELLS	0.0	1.0
GROSS ULT., MB & MMF	0.000	175.231
GROSS CUM., MB & MMF	0.000	0.000
GROSS RES., MB & MMF	0.000	175.231
NET RES., MB & MMF	0.000	37.612
NET REVENUE, M$	0.000	147.460
INITIAL PRICE, $	0.000	1.377
INITIAL N.I., PCT.	0.000	21.465

LIFE, YRS.	21.75
DISCOUNT %	10.00
UNDISCOUNTED PAYOUT, YRS.	13.07
DISCOUNTED PAYOUT, YRS.	21.75
UNDISCOUNTED NET/INVEST.	1.44
DISCOUNTED NET/INVEST.	0.55
RATE-OF-RETURN, PCT.	3.88
INITIAL W.I., PCT.	25.851

P.W. %	P.W., M$
5.00	-6.095
10.00	-20.299
15.00	-28.014
20.00	-32.296
25.00	-34.659
30.00	-35.900
40.00	-36.606
60.00	-35.335
80.00	-33.246
100.00	-31.190


LEASE: ROSA UNIT #145
FIELD: ROSA
COUNTY: SAN JUAN
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
Year
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Oil
Ref= 10/2000
Cum= 0.0
Gas
Qual=00RESERVES
Ref= 10/2000
Cum= 70870
Rem= 115595
EUR= 186465
Yrs= 17.999
Qref= 1324.5
De= 24.982661
b= 2.045900
Qab= 298.8
Water
Ref= 10/2000
Cum= 900.0
WHPSI
Ref= 10/2000
Cum= 14583.0

ROSA UNIT #145A WILLIAMS PRODU

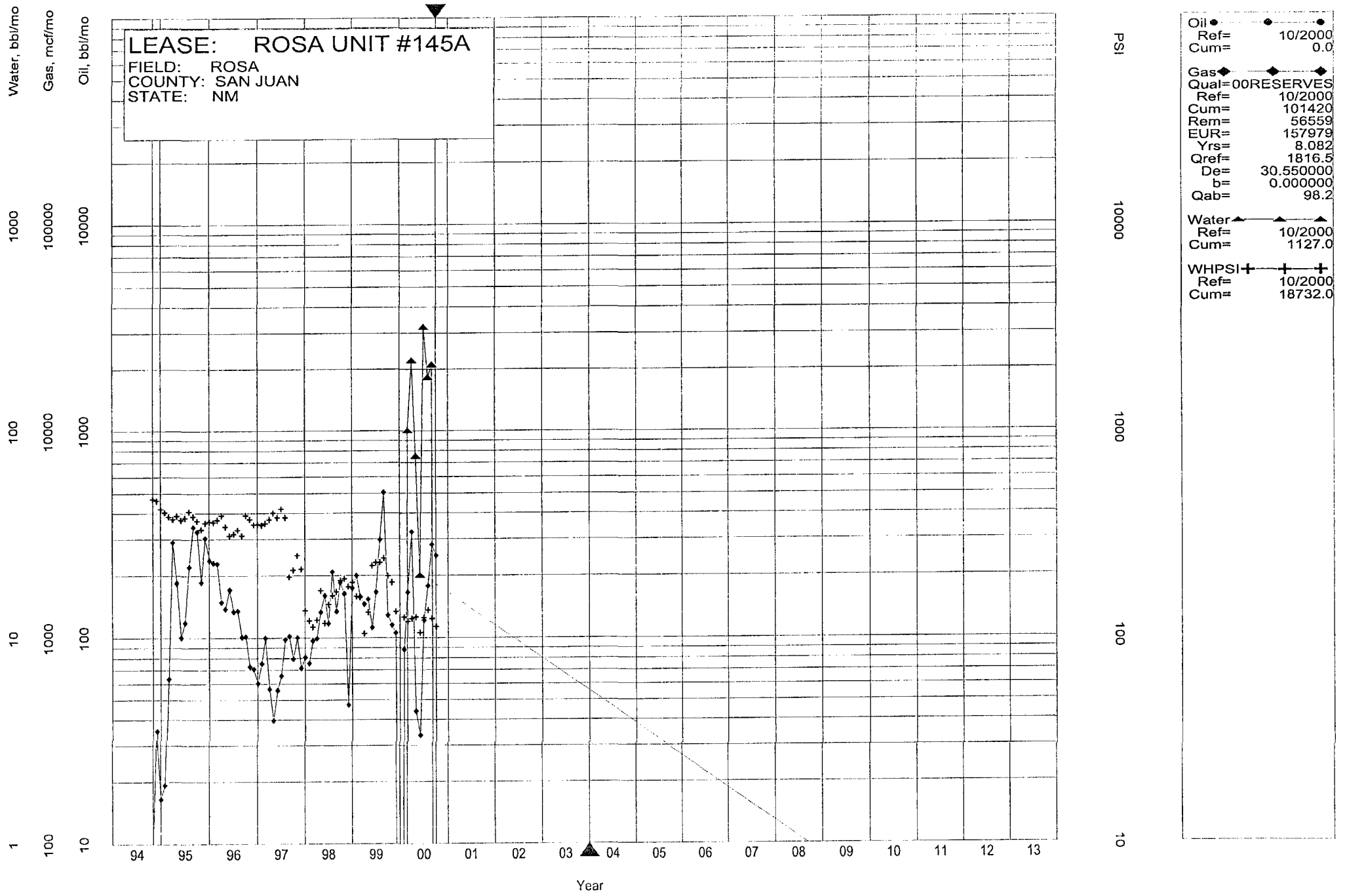
DATE : 05/11/01
TIME :
DBS : SanJuan
SETTINGS : PC_COMM
SCENARIO : PC_COMM

R E S E R V E S A N D E C O N O M I C S

AS OF DATE: 1/94

-END- MO-YR	GROSS OIL PRODUCTION ----MB----	GROSS GAS PRODUCTION ----MMF---	OIL TO NET INTEREST ----MB----	GAS TO NET INTEREST ----MMF---	--GROSS PRICES- OIL --$/B--	GAS --$/M--	REVENUE TO NET INTEREST ----M$----	OPER NET EXPENSES ---M$---	TOTAL NET INVESTMENT ----M$----	INCOME BEFORE FIT ----M$----	CUMULATIVE NET INCOME ----M$----	CUM DISC NET INCOME ----M$----
12-94	0.000	0.444	0.000	0.092	0.00	1.343	0.113	0.488	44.209	-44.585	-44.585	-41.832
12-95	0.000	21.731	0.000	4.519	0.00	0.914	3.760	2.931	0.000	0.829	-43.755	-41.154
12-96	0.000	17.696	0.000	3.680	0.00	1.372	4.593	2.931	0.000	1.662	-42.093	-39.808
12-97	0.000	9.047	0.000	1.881	0.00	2.000	3.424	2.931	0.000	0.493	-41.600	-39.461
12-98	0.000	15.011	0.000	3.121	0.00	1.562	4.437	2.931	0.000	1.506	-40.094	-38.491
12-99	0.000	22.634	0.000	4.707	0.00	1.753	7.506	2.931	0.000	4.575	-35.518	-35.785
12-00	0.000	17.573	0.000	3.654	0.00	3.153	10.484	2.931	0.000	7.553	-27.965	-31.757
12-01	0.000	16.675	0.000	3.468	0.00	5.267	16.621	2.931	0.000	13.690	-14.276	-25.033
12-02	0.000	11.581	0.000	2.408	0.00	5.267	11.543	2.931	0.000	8.612	-5.663	-21.186
12-03	0.000	8.043	0.000	1.673	0.00	5.267	8.017	2.931	0.000	5.086	-0.578	-19.120
12-04	0.000	5.586	0.000	1.162	0.00	5.267	5.568	2.931	0.000	2.637	2.059	-18.144
12-05	0.000	3.879	0.000	0.807	0.00	5.267	3.867	2.931	0.000	0.936	2.995	-17.828
12-06	0.000	0.768	0.000	0.160	0.00	5.267	0.766	0.733	0.000	0.033	3.028	-17.817
12-07												
12-08												
S TOT	0.000	150.668	0.000	31.331	0.00	2.830	80.699	33.462	44.209	3.028	3.028	-17.817
AFTER	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	3.028	-17.817
TOTAL	0.000	150.668	0.000	31.331	0.00	2.830	80.699	33.462	44.209	3.028	3.028	-17.817

	OIL	GAS			P.W. %	P.W., M$
GROSS WELLS	0.0	1.0	LIFE, YRS.	12.25	5.00	-9.768
GROSS ULT., MB & MMF	0.000	150.668	DISCOUNT %	10.00	10.00	-17.817
GROSS CUM., MB & MMF	0.000	0.000	UNDISCOUNTED PAYOUT, YRS.	10.22	15.00	-22.924
GROSS RES., MB & MMF	0.000	150.668	DISCOUNTED PAYOUT, YRS.	12.25	20.00	-26.164
NET RES., MB & MMF	0.000	31.331	UNDISCOUNTED NET/INVEST.	1.07	25.00	-28.195
NET REVENUE, M$	0.000	88.680	DISCOUNTED NET/INVEST.	0.57	30.00	-29.430
INITIAL PRICE, $	0.000	1.343	RATE-OF-RETURN, PCT.	1.18	40.00	-30.478
INITIAL N.I., PCT.	0.000	20.795	INITIAL W.I., PCT.	24.425	60.00	-30.070
					80.00	-28.663
					100.00	-27.122


LEASE: ROSA UNIT #145A
FIELD: ROSA
COUNTY: SAN JUAN
STATE: NM
Water, bbl/mo
Gas, mcf/mo
Oil, bbl/mo
PSI
1
10
100
1000
10
100
1000
10000
100
1000
10000
100000
10
100
1000
10000
94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13
Year
Oil
Ref= 10/2000
Cum= 0.0
Gas
Qual= 00RESERVES
Ref= 10/2000
Cum= 101420
Rem= 56559
EUR= 157979
Yrs= 8.082
Qref= 1816.5
De= 30.550000
b= 0.000000
Qab= 98.2
Water
Ref= 10/2000
Cum= 1127.0
WHPSI
Ref= 10/2000
Cum= 18732.0

APR 2 2001

March 28, 2001

Williams Production Company
One Williams Center
P.O. Box 3102
Tulsa, Oklahoma 74101

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 LaPlata Highway
Farmington, New Mexico 87401

Mr. Floyd O. Prando
Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

Oil Conservation Commission
State of New Mexico
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: Rosa Unit I, Sec.No.587
San Juan & Rio Arriba Counties, New Mexico
First Supplemental 2001 Plan of Development

Gentlemen:

By letter dated February 12, 2001, Williams Production Company as Unit Operator filed the 2001 Plan of Development for the Rosa Unit.

Subsequent to filing the 2001 Plan of Development, it has been proposed that the following wells be dually completed in the Dakota formation with the Mesaverde completion as indicated in the 2001 Plan of Development filed by Letter dated February 12, 2001.

Well Name	**Formation**	**Spacing**
Rosa Unit #5B	Mesaverde	E/2 Sec.26,T31N,R6W
	Dakota	N/2 Sec.26,T31N,R6W
Rosa Unit #8B	Mesaverde	W/2 Sec.26,T31N,R6W
	Dakota	N/2 Sec.26,T31N,R6W
Rosa Unit #18B	Mesaverde	E/2 Sec.22,T31N,R6W
	Dakota	E/2 Sec.22,T31N,R6W
Rosa Unit #24B	Mesaverde	W/2 Sec.32,T31N,R5W
	Dakota	W/2 Sec.32,T31N,R5W
Rosa Unit #26B	Mesaverde	E/2 Sec.32,T31N,R5W
	Dakota	E/2 Sec.32,T31N,R5W

Well Name	Formation	Spacing
Rosa Unit #29B	Mesaverde	E/2 Sec.32,T32N,R6W
	Dakota	E/2 Sec.32,T32N,R6W
Rosa Unit #30B	Mesaverde	S/2 Sec.12,T31N,R6W
	Dakota	S/2 Sec.12,T31N,R6W
Rosa Unit #31B	Mesaverde	W/2 Sec.17,T31N,R5W
	Dakota	W/2 Sec.17,T31N,R5W
Rosa Unit #32B	Mesaverde	N/2 Sec.21,T31N,R6W
	Dakota	N/2 Sec.21,T31N,R6W
Rosa Unit #32C	Mesaverde	N/2 Sec.21,T31N,R6W
	Dakota	N/2 Sec.21,T31N,R6W
Rosa Unit #44B	Mesaverde	W/2 Sec.35,T32N,R6W
	Dakota	W/2 Sec.35,T32N,R6W
Rosa Unit #46A	Mesaverde	E/2 Sec.8,T31N,R5W
	Dakota	S/2 Sec.8,T31N,R5W
Rosa Unit Com #60B	Mesaverde	ALL Sec.4,T31N,R6W
	Dakota	ALL Sec.4,T31N,R6W
Rosa Unit #85B	Mesaverde	N/2 Sec.20,T31N,R5W
	Dakota	N/2 Sec.20,T31N,R5W
Rosa Unit #89B	Mesaverde	E/2 Sec.34,T32N,R6W
	Dakota	E/2 Sec.34,T32N,R6W
Rosa Unit #147B	Mesaverde	N/2 Sec.33,T31N,R5W
	Dakota	N/2 Sec.33,T31N,R5W
Rosa Unit #149B	Mesaverde	N/2 Sec.12,T31N,R6W
	Dakota	N/2 Sec.12,T31N,R6W
Rosa Unit #150B	Mesaverde	W/2 Sec.32,T32N,R6W
	Dakota	W/2 Sec.32,T32N,R6W
Rosa Unit #165B	Mesaverde	N/2 Sec.25,T31N,R6W
	Dakota	N/2 Sec.25,T31N,R6W

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or Working Interest Owners.

If this First Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheets.

Sincerely yours,

M. Vern Hansen
Senior Landman

cc: Working Interest Owners
Mike Turnbaugh
Tracy Ross
Kris Russell
Sandra Schmidt

APPROVED: _____ DATE: _____
Assistant District Manager, Mineral
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED: _____ DATE: _____
Commissioner of Public Lands
Subject to like approval by the
Area Oil and Gas Supervisor and
the Oil Conservation Commission

APPROVED: _____ DATE: 4/9/2001
Oil Conservation Commission
Subject to like approval by the
Area Oil and Gas Supervisor and
the Commissioner of Public Lands

The foregoing approvals are for the First Supplemental 2001 Plan of Development for the Rosa Unit I, Sec.No.587.

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: SAN JUAN ASSET TEAM
P O BOX 3092
HOUSTON, TX 77253-3092

MS. ELIZABETH T. CALLOWAY
P.O. BOX 191767
DALLAS, TX 75219-1767

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BELLAIRE, TX 77402-0719

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SUITE 1600
DALLAS, TX 75219

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
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DALLAS, TX 75266-0197

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PMB 285
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KERRVILLE, TX 78028

THE WISER OIL COMPANY
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8115 PRESTON ROAD, #400
DALLAS, TX 75225

PHILLIPS PETROLEUM COMPANY
ATTN: JIM BALL
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

HENRIETTA E. SCHULTZ, TRUSTEE
500 NORTH AKARD, SUITE 2940
DALLAS, TX 75201

Williams Production Company
One Williams Center
P.O. Box 3102
Tulsa, Oklahoma 74101

February 12, 2001

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico
Oil Conservation Commission
2040 South Pacheco
Santa Fe, New Mexico 87505

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

Re: Rosa Unit I, Sec.No.587
San Juan and Rio Arriba Counties, New Mexico
2001 Plan of Development

Gentlemen:

By letters dated February 4, March 16, and May 24, 2000, Williams Production Company as Rosa Unit Operator, filed the 2000 Plan of Development for the Rosa Unit. Following is a summary of the operations proposed under the 2000 Plan of Development:

Well Name	Formation	Operations Status
Rosa Unit #6Y	Mesaverde	Completed/Producing
Rosa Unit #13A	Mesaverde	Completed/Producing
Rosa Unit #14A (Pictured Cliffs/	Pictured Cliffs	Completed/Producing
Mesaverde Dual)	Mesaverde	Completed/Producing
Rosa Unit #17A	Mesaverde	Completed/Producing
Rosa Unit #21A (Pictured Cliffs/	Pictured Cliffs	Completed/Producing
Mesaverde Dual)	Mesaverde	Completed/Producing
Rosa Unit #22A	Mesaverde	Completed/Producing
Rosa Unit #25A	Mesaverde	Completed/Producing
Rosa Unit #31	Mesaverde	Completed/Producing
Rosa Unit #31A	Mesaverde	Completed/Producing
Rosa Unit #35A	Mesaverde	Completed/Producing
Rosa Unit #46A	Mesaverde	Carry Over to 2001 P.O.D.
Rosa Unit #75A	Mesaverde	Completed/Producing
Rosa Unit #80A	Mesaverde	Completed/Producing
Rosa Unit #85A	Mesaverde	Completed/Producing

Well Name	Formation	Operations Status
Rosa Unit Com #129	Mesaverde	Completed/Producing
Rosa Unit Com #129A	Mesaverde	Completed/Producing
Rosa Unit #146A	Mesaverde	Carry Over to 2001 P.O.D.
Rosa Unit #153A	Mesaverde	Completed/Producing
Rosa Unit #154A	Mesaverde	Completed/Producing
Rosa Unit #159A	Mesaverde	Completed/Producing
Rosa Unit #160 (Recomplete PC, Dual with existing MV)	Pictured Cliffs	Completed/Producing
Rosa Unit #163	Mesaverde	Completed/Producing
Rosa Unit #163A	Mesaverde	Completed/Producing
Rosa Unit #166	Mesaverde	Completed/Producing
Rosa Unit #166A	Mesaverde	Completed/Producing
Rosa Unit #168A	Mesaverde	Completed/Producing
Rosa Unit #171	Mesaverde	Completed/Producing
Rosa Unit #171A	Mesaverde	Completed/Producing
Rosa Unit #181	Mesaverde	Completed/Producing
Rosa Unit #181A	Mesaverde	Completed/Producing
Rosa Unit #182	Mesaverde	Completed/Producing
Rosa Unit #182A	Mesaverde	Completed/Producing
Rosa Unit #183	Mesaverde	Completed/Producing
Rosa Unit #183A	Mesaverde	Completed/Producing
Rosa Unit #184	Mesaverde	Carry over to 2001 P.O.D.
Rosa Unit #184A	Mesaverde	Carry over to 2001 P.O.D.
Rosa Unit #185 (Mesaverde/	Mesaverde	Completed/Producing
Dakota Dual)	Dakota	Completed/Producing
Rosa Unit #185A (Mesaverde/	Mesaverde	Completed/Producing
Dakota Dual)	Dakota	Completed/Producing
Rosa Unit #186	Mesaverde	Carry over to 2001 P.O.D.
Rosa Unit #187	Mesaverde	Carry over to 2001 P.O.D.
Rosa Unit #188	Mesaverde	Completed/Producing
Rosa Unit #188A	Mesaverde	Completed/Producing
Rosa Unit #341	Fruitland	Completed/Producing
Rosa Unit #342	Fruitland	Carry over to 2001 P.O.D.
Rosa Unit #343	Fruitland	Completed/Producing
Rosa Unit #344	Fruitland	Completed/Producing
Rosa Unit #345	Fruitland	Completed/Producing
Rosa Unit #347	Fruitland	Carry over to 2001 P.O.D.
Rosa Unit #350	Fruitland	Carry over to 2001 P.O.D.
Rosa Unit #351	Fruitland	Completed/Producing
Rosa Unit #354	Fruitland	Waiting on Sidetrack & Completion
Rosa Unit Com #355	Fruitland	Completed/Producing
Rosa Unit #357	Fruitland	Carry over to 2001 P.O.D.
Rosa Unit Com #358	Fruitland	Completed/Producing
Rosa Unit #500	Fruitland	Completed/Producing
Rosa Unit #510	Ojo Alamo	Dropped from P.O.D.
Rosa Unit #511	Ojo Alamo	Dropped from P.O.D.
Rosa Unit #512	Ojo Alamo	Dropped from P.O.D.
Rosa Unit #513	Ojo Alamo	Dropped from P.O.D.

The Participating Areas which have been established in the Rosa Unit are as follows:

Formation	Revision	Effective
Mesaverde	Fifteenth	January 1, 1983
Dakota	Ninth	January 1, 1992

Attached are maps of each of the producing formations within the Rosa Unit showing the boundaries of the Participating Areas as applicable. There were no wells commingled within the Rosa Unit during 2000.

Pursuant to Section 9 of the Rosa Unit Agreement, Williams Production Company is submitting a Plan of Development providing for the completion of the following wells during 2001:

Well Name	Drilling Block	Formation
Rosa Unit #5B	E/2 Sec.26,T31N,R6W	Mesaverde
Rosa Unit #8B	W/2 Sec.26,T31N,R6W	Mesaverde
Rosa Unit #9B	W/2 Sec.11,T31N,R6W	Mesaverde
Rosa Unit #10B	W/2 Sec.13,T31N,R6W	Mesaverde
Rosa Unit #12B	E/2 Sec.15,T31N,R6W	Mesaverde
Rosa Unit #18B	E/2 Sec.22,T31N,R6W	Mesaverde
Rosa Unit #19B	W/2 Sec.24,T31N,R6W	Mesaverde
Rosa Unit #21B	W/2 Sec.23,T31N,R6W	Mesaverde
Rosa Unit #23B	W/2 Sec.29,T31N,R5W	Mesaverde
Rosa Unit #24B	W/2 Sec.32,T31N,R5W	Mesaverde
Rosa Unit #26B	E/2 Sec.32,T31N,R5W	Mesaverde
Rosa Unit #29B (Mesaverde/	E/2 Sec.32,T32N,R6W	Mesaverde
Dakota Dual)	E/2 Sec.32,T32N,R6W	Dakota
Rosa Unit #30B	S/2 Sec.12,T31N,R6W	Mesaverde
Rosa Unit #31B	W/2 Sec.17,T31N,R5W	Mesaverde
Rosa Unit #31C	W/2 Sec.17,T31N,R5W	Mesaverde
Rosa Unit #32B	N/2 Sec.21,T31N,R6W	Mesaverde
Rosa Unit #32C	N/2 Sec.21,T31N,R6W	Mesaverde
Rosa Unit #34B	E/2 Sec.36,T32N,R6W	Mesaverde
Rosa Unit #36B	E/2 Sec.11,T31N,R6W	Mesaverde
Rosa Unit #44B	W/2 Sec.35,T32N,R6W	Mesaverde
Rosa Unit #45 (Plug Mesaverde, recomplete in Fruitland Coal)	W/2 Sec.9,T31N,R5W	Fruitland Coal
Rosa Unit #46A	E/2 Sec.8,T31N,R5W	Mesaverde
Rosa Unit Com #60B	ALL Sec.4,T31N,R6W	Mesaverde
Rosa Unit #77B	S/2 Sec.33,T31N,R5W	Mesaverde
Rosa Unit #85B	N/2 Sec.20,T31N,R5W	Mesaverde
Rosa Unit #89B	E/2 Sec.34,T32N,R6W	Mesaverde
Rosa Unit #89C	E/2 Sec.34,T32N,R6W	Mesaverde
Rosa Unit #91B	E/2 Sec.35,T32N,R6W	Mesaverde
Rosa Unit #138B	E/2 Sec.17,T32N,R6W	Mesaverde
Rosa Unit #146A	W/2 Sec.28,T31N,R5W	Mesaverde
Rosa Unit #147B	N/2 Sec.33,T31N,R5W	Mesaverde
Rosa Unit Com #148B	ALL Sec.2,T31N,R6W	Mesaverde
Rosa Unit #149B	N/2 Sec.12,T31N,R6W	Mesaverde
Rosa Unit #150B	W/2 Sec.32,T32N,R6W	Mesaverde

Well Name	Drilling Block	Formation
Rosa Unit #151B	W/2 Sec.33,T32N,R6W	Mesaverde
Rosa Unit #152B	W/2 Sec.36,T32N,R6W	Mesaverde
Rosa Unit #163B	E/2 Sec.24,T31N,R6W	Mesaverde
Rosa Unit #165B	N/2 Sec.25,T31N,R6W	Mesaverde
Rosa Unit #167B	E/2 Sec.8,T31N,R6W	Mesaverde
Rosa Unit #180B	W/2 Sec.9,T31N,R6W	Mesaverde
Rosa Unit #184	E/2 Sec.34,T31N,R5W	Mesaverde
Rosa Unit #184A	E/2 Sec.34,T31N,R5W	Mesaverde
Rosa Unit #186	N/2 Sec.27,T31N,R5W	Mesaverde
Rosa Unit #187	W/2 Sec.21,T31N,R5W	Mesaverde
Rosa Unit #342	N/2 Sec.21,T31N,R6W	Fruitland Coal
Rosa Unit #347	W/2 Sec.11,T31N,R4W	Fruitland Coal
Rosa Unit #350	E/2 Sec.10,T31N,R5W	Fruitland Coal
Rosa Unit #357	E/2 Sec.36,T32N,R6W	Fruitland Coal
Rosa Unit #359	ALL Sec.4,T31N,R5W	Fruitland Coal
Rosa Unit #361	S/2 Sec.16,T31N,R5W	Fruitland Coal
Rosa Unit #362	W/2 Sec.36,T31N,R5W	Fruitland Coal
Rosa Unit #363	E/2 Sec.17,T31N,R5W	Fruitland Coal

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided in the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

M. Vern Hansen
Senior Landman

Enclosures

cc: Working Interest Owners
Mike Turnbaugh
Kris Russell
Tony Scheiper
Tracy Ross

APPROVED: _____ DATE: _____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED: _____ DATE: _____

Commissioner of Public Lands
Subject to like approval by the Area
Oil and Gas Supervisor and the Oil
Conservation Commission

APPROVED: _____ DATE: 2/15/2001

Oil Conservation Commission
Subject to like approval by the Area
Oil and Gas Supervisor and the
Commissioner of Public Lands

The foregoing approvals are for the 2001 Plan of Development for the Rosa Unit I, Section No.587.

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: SAN JUAN ASSET TEAM
P O BOX 3092
HOUSTON, TX 77253-3092

SCHULTZ MANAGEMENT, LTD.
500 N. AKARD, SUITE 2940
DALLAS, TX 75201

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4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

COASTAL OIL & GAS CORPORATION
ATTN: HENRY HANSEN
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BELLAIRE, TX 77402-0719

CROSS TIMBERS OIL COMPANY
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MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
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DALLAS, TX 75266-0197

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PMB 285
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KERRVILLE, TX 78028

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THE WISER OIL COMPANY
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MR. WILLIAM G. WEBB
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DALLAS, TX 75225-5929

PHILLIPS PETROLEUM COMPANY
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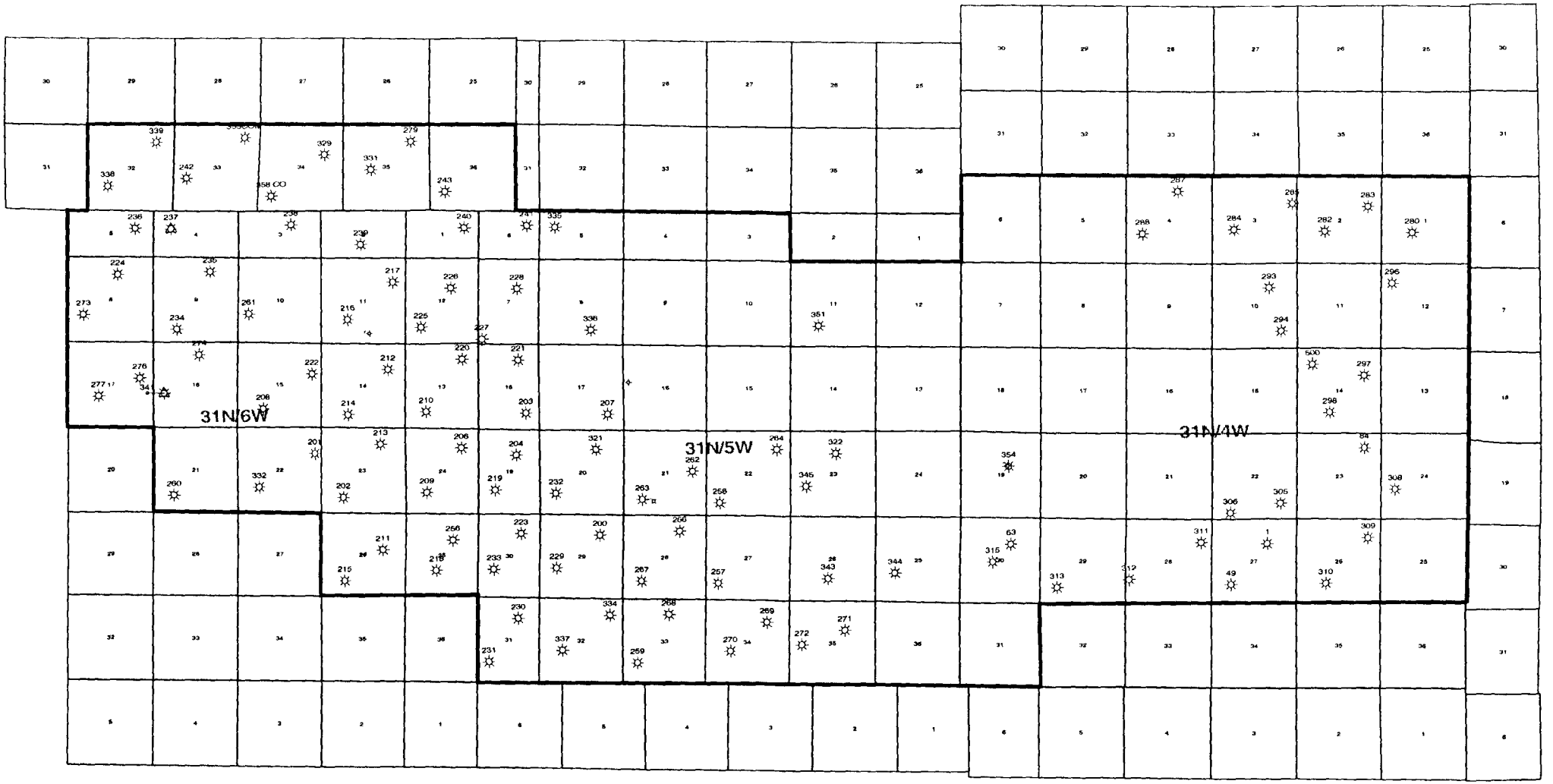
1050 17TH STREET, SUITE 1850
DENVER, CO 80265

HENRIETTA E. SCHULTZ, TRUSTEE
500 NORTH AKARD, SUITE 2940
DALLAS, TX 75201



Williams E&P

ROSA UNIT
FRUITLAND COAL FORMATION WELLS

		1/24/2001
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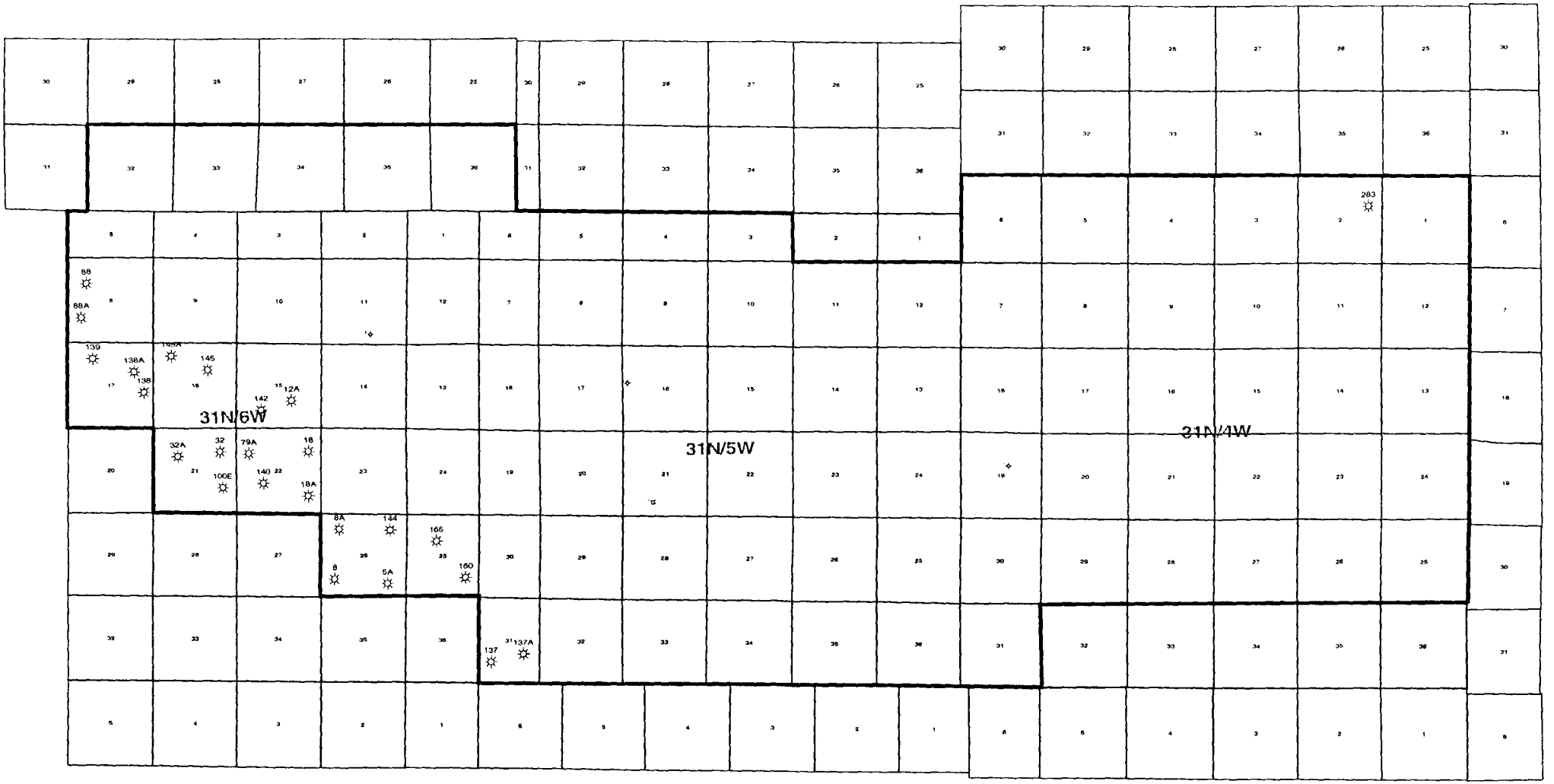

Williams E&P

ROSA UNIT
PICTURED CLIFFS FORMATION WELLS

		1/25/2001
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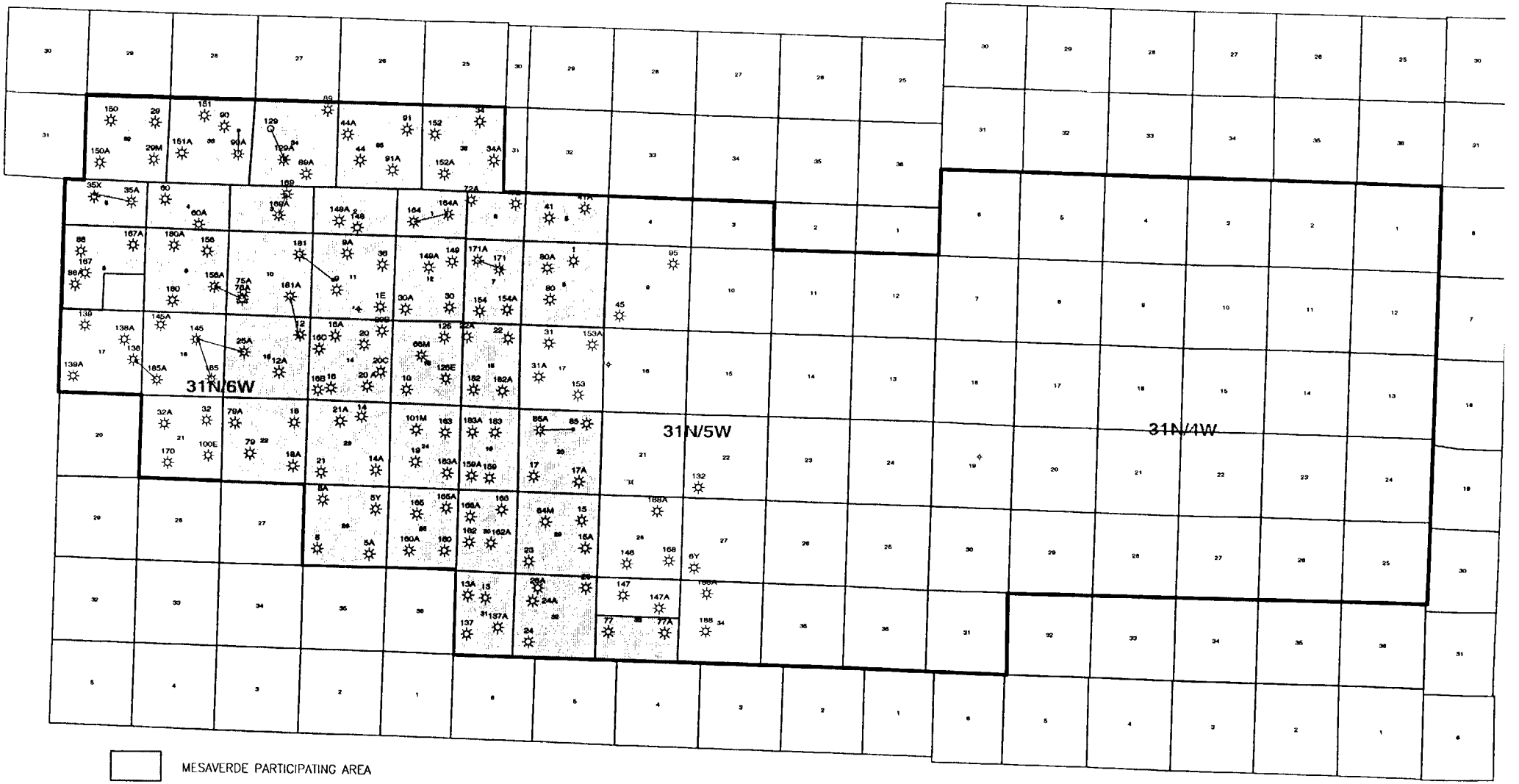

Williams E&P

ROSA UNIT
MESAVERDE FORMATION WELLS

		1/24/2001
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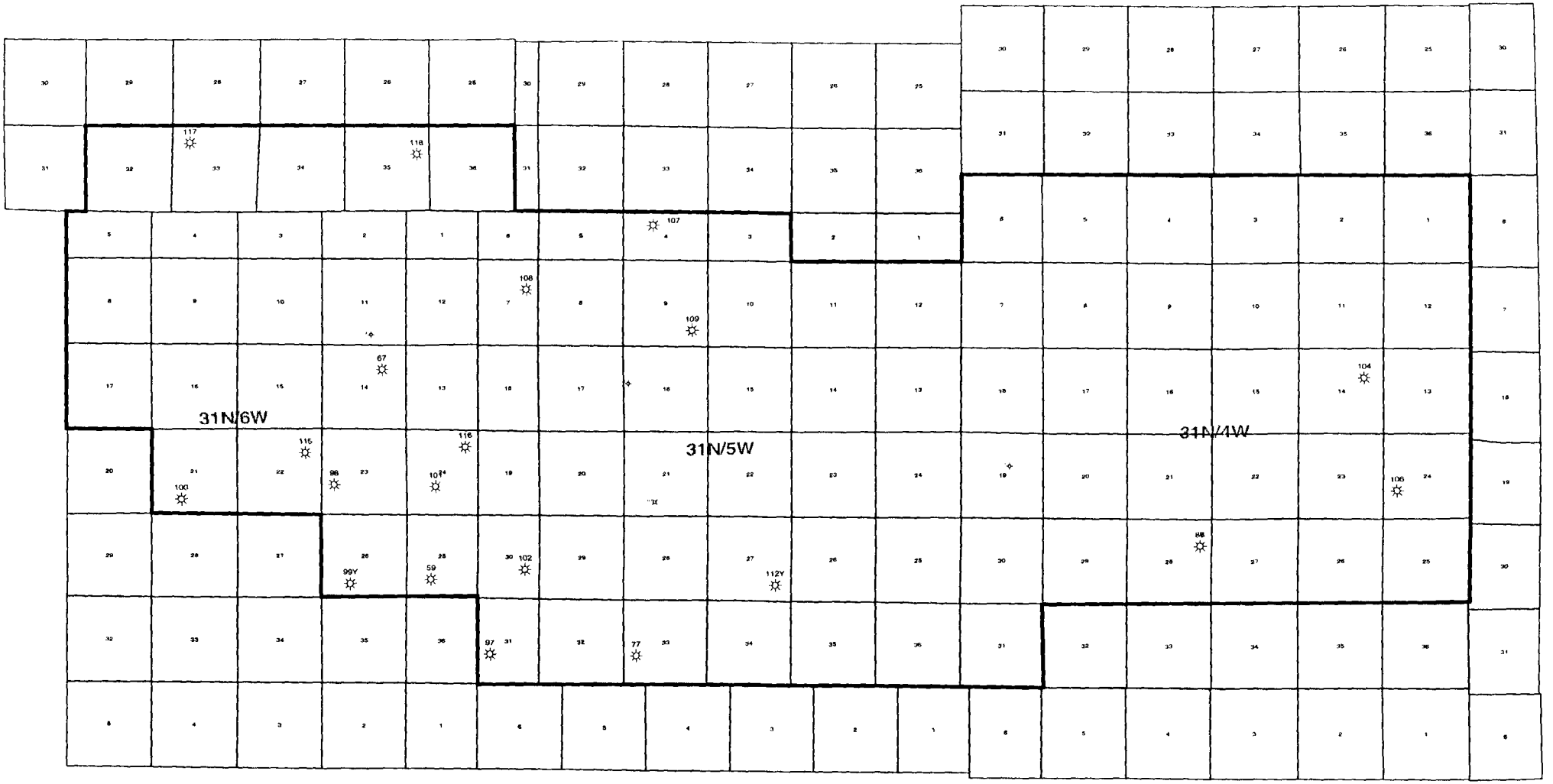

Williams E&P

ROSA UNIT
GALLUP FORMATION WELLS

		1/25/2001
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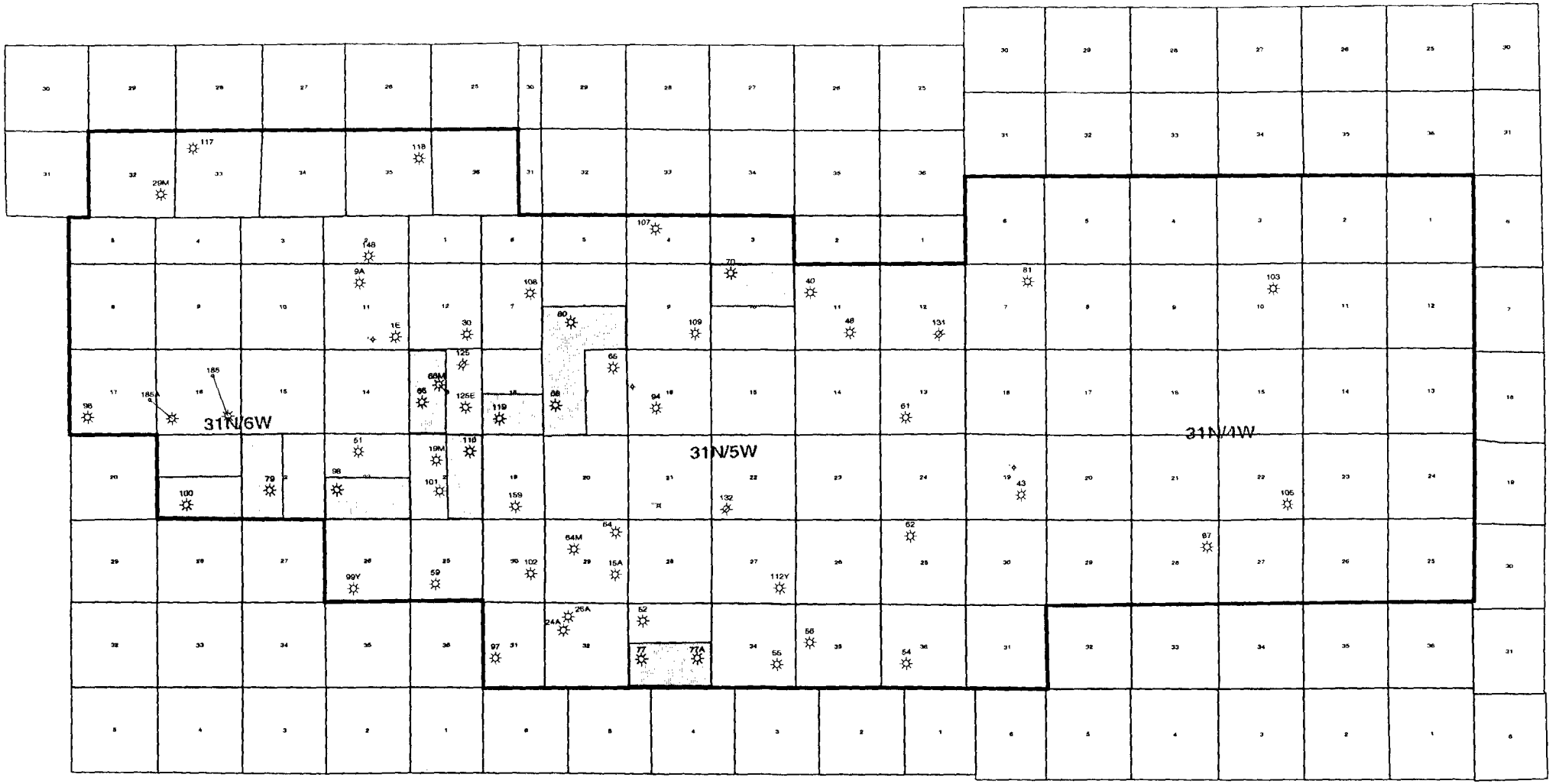

Dakota Participating Area

Williams E&P

ROSA UNIT
DAKOTA FORMATION WELLS

		1/24/2001
	Scale 1:110631.41	

#133

May 24, 2000

Williams Production Company
One Williams Center
P.O. Box 3102
Tulsa, Oklahoma 74101

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico
Oil Conservation Commission
2040 South Pacheco
Santa Fe, New Mexico 87505

State of New Mexico
Commissioner of Public Lands
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

Re: Rosa Unit 1, Sec.No.587
San Juan & Rio Arriba Counties, New Mexico
Second Supplemental 2000 Plan of Development

Gentlemen:

By letters dated February 4, 2000 and March 16, 2000, Williams Production Company as Rosa Unit Operator filed the 2000 Plan of Development for the Rosa Unit.

Subsequent to filing the 2000 Plan of Development, it has been proposed that the following wells be dually completed in the Dakota formation with the Mesaverde completion as indicated in the 2000 Plan of Development filed by Letter dated February 4, 2000.

Well Name	Formation	Spacing
Rosa Unit #185 (Mesaverde/ Dakota Dual)	Mesaverde/ Dakota	S/2 Sec.16,T31N,R6W S/2 Sec.16,T31N,R6W
Rosa Unit #185A (Mesaverde/ Dakota Dual)	Mesaverde/ Dakota	S/2 Sec.16,T31N,R6W S/2 Sec.16,T31N,R6W

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Second Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

M. Vern Hansen

M. Vern Hansen
Senior Landman

Enclosures:

APPROVED:_____ DATE:_____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED:_____ DATE:_____
Commissioner of Public Lands
Subject to like approval by the Area
Oil & Gas Supervisor and the Oil
Conservation Commission

APPROVED:_____ DATE: 6/1/00
Commissioner of Public Lands
Subject to like approval by the Area
Oil & Gas Supervisor and the Oil
Conservation Commission

The foregoing approvals are for the Second Supplemental 2000 Plan of Development for the Rosa Unit I, Section No.587.

WORKING INTEREST OWNERS
ROSA UNIT

Amoco Production Company
Attn: San Juan Asset Team
P.O. Box 3092
Houston, TX 77253-3092

Ms. Elizabeth T. Calloway
P.O. Box 191767
Dallas, TX 75219-1767

Coastal Oil & Gas Corporation
Attn: Henry Hansen
P.O. Box 719
Bellaire, TX 77402-0719

Mr. J. Glenn Turner, Jr.
Turtle Creek Village
3838 Oak Lawn, Suite 1600
Dallas, TX 75219

Mary Frances Turner, Jr. Trust
Attn: Iris Gleiser
P.O. Box 660197
Dallas, TX 75266-0197

Ms. Patricia Penrose Schieffer, Trustee
Attn: J. Thomas Schieffer
1000 Ballpark Way, #300
Arlington, TX 76102

Mr. William G. Webb
8226 Douglas Avenue, Suite 709
Dallas, TX 75226-5929

Mallon Oil Company
999 18th Street, Suite 1700
Denver, CO 80202

Mr. Fred E. Turner
One Energy Square, #852
4925 Greenville Avenue
Dallas, TX 75206-4079

Cross Timbers Oil Company
Attn: Edwin S. Ryan, Jr.
810 Houston Street, Suite 2000
Fort Worth, TX 76102-6298

J. K. Edwards Associates
Attn: Keith Edwards
1401 17th Street, Suite 1400
Denver, CO 80202

Mr. John Turner
HC73, Box 122, Suite 277
Park Hill, OK 74451

The Wiser Oil Company
Attn: Laurie Block
8115 Preston Road, #400
Dallas, TX 75225

Phillips Petroleum Co.
Attn: S. Scott Prather
5525 Hwy. 64 NBU 3004
Farmington, NM 87401

J. M. Huber Corporation
Attn: Andy Lydyard
1050 17th Street, Suite 1850
Denver, CO 80265

Henrietta E. Schultz, Trustee
500 North Akard, Suite 2940
Dallas, TX 75201

Schultz Management, Ltd.
500 North Akard, Suite 2940
Dallas, TX 75201

March 16, 2000

Williams Production Company
One Williams Center
P.O. Box 3102
Tulsa, Oklahoma 74101

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico
Oil Conservation Commission
2040 South Pacheco
Santa Fe, New Mexico 87505

State of New Mexico
Commissioner of Public Lands
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

Re: Rosa Unit 1, Sec.No.587
San Juan & Rio Arriba Counties, New Mexico
First Supplemental 2000 Plan of Development

Gentlemen:

By letter dated February 4, 2000, Williams Production Company as Rosa Unit Operator filed the 2000 Plan of Development for the Rosa Unit.

Subsequent to filing the 2000 Plan of Development, it has been proposed that the following wells be dually completed in the Pictured Cliffs formation with the Mesaverde completion as indicated in the 2000 Plan of Development filed by Letter dated February 4, 2000.

Well Name	Formation	Spacing
Rosa Unit #14A (Pictured Cliffs/Mesaverde Dual)	Pictured Cliffs/ Mesaverde	SE/4 Sec.23,T31N,R6W E/2 Sec.23,T31N,R6W
Rosa Unit #21A (Pictured Cliffs/Mesaverde Dual)	Pictured Cliffs; Mesaverde	NW/4 Sec.23,T31N,R6W W/2 Sec.23,T31N,R6W

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Second Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

M. Vern Hansen

M. Vern Hansen
Senior Landman

Enclosures:

APPROVED:_____ DATE:_____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED:_____ DATE:_____

Commissioner of Public Lands
Subject to like approval by the Area
Oil & Gas Supervisor and the Oil
Conservation Commission

APPROVED:_____ DATE: 4/10/00

Commissioner of Public Lands
Subject to like approval by the Area
Oil & Gas Supervisor and the Oil
Conservation Commission

The foregoing approvals are for the First Supplemental 2000 Plan of Development for the Rosa Unit I, Section No.587.

WORKING INTEREST OWNERS

ROSA UNIT

Amoco Production Company
Attn: San Juan Asset Team
P.O. Box 3092
Houston, TX 77253-3092

Ms. Elizabeth T. Calloway
P.O. Box 191767
Dallas, TX 75219-1767

Coastal Oil & Gas Corporation
Attn: Henry Hansen
P.O. Box 719
Bellaire, TX 77402-0719

Mr. J. Glenn Turner, Jr.
3131 Turtle Creek Blvd., #1201
Dallas, TX 75266

Mary Frances Turner, Jr. Trust
Attn: Iris Gleiser
P.O. Box 660197
Dallas, TX 75266-0197

Ms. Patricia Penrose Schieffer, Trustee
Attn: J. Thomas Schieffer
1000 Ballpark Way, #300
Arlington, TX 76102

Mr. William G. Webb
8226 Douglas Avenue, Suite 709
Dallas, TX 75226-5929

Mallon Oil Company
999 18th Street, Suite 1700
Denver, CO 80202

Mr. Fred E. Turner
One Energy Square, #852
4925 Greenville Avenue
Dallas, TX 75206-4079

Cross Timbers Oil Company
Attn: Edwin S. Ryan, Jr.
810 Houston Street, Suite 2000
Fort Worth, TX 76102-6298

J. K. Edwards Associates
Attn: Keith Edwards
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Mr. John Turner
HC73, Box 122, Suite 277
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Attn: Laurie Block
8115 Preston Road, #400
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Phillips Petroleum Co.
Attn: S. Scott Prather
5525 Hwy. 64 NBU 3004
Farmington, NM 87401

J. M. Huber Corporation
Attn: Andy Lydyard
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500 North Akard, Suite 2940
Dallas, TX 75201

Schultz Management, Ltd.
500 N. Akard, Suite 2940
Dallas, TX 75201

Williams Production Company
One Williams Center
P.O. Box 3102
Tulsa, Oklahoma 74101

RECEIVED
FEB 10 2000
OIL CONSERVATION DIVISION

February 4, 2000

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico
Oil Conservation Commission
2040 South Pacheco
Santa Fe, New Mexico 87505

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

Re: Rosa Unit I, Sec.No.587
San Juan and Rio Arriba Counties, New Mexico
2000 Plan of Development

Gentlemen:

By letters dated February 9, April 30, August 3 and September 9, 1999, Williams Production Company as Rosa Unit Operator, filed the 1998 Plan of Development for the Rosa Unit. Following is a summary of the operations proposed under the 1999 Plan of Development:

Well Name	Formation	Operations Status
Rosa Unit #5Y	Mesaverde	Completed/Producing
Rosa Unit #12A	Pictured Cliffs	Completed/Producing
Rosa Unit #16B	Mesaverde	Completed/Producing
Rosa Unit #16C	Mesaverde	Completed/Producing
Rosa Unit #20B	Mesaverde	Completed/Producing
Rosa Unit #20C	Mesaverde	Completed/Producing
Rosa Unit #21A	Mesaverde	Carry Over to 2000 P.O.D.
Rosa Unit #25A	Mesaverde	Carry Over to 2000 P.O.D.
Rosa Unit #30A	Mesaverde	Completed/Producing
Rosa Unit #34A	Mesaverde	Completed/Producing
Rosa Unit #44A	Mesaverde	Completed/Producing
Rosa Unit Com #60	Mesaverde	Completed/Producing
Rosa Unit Com #60A	Mesaverde	Completed/Producing
Rosa Unit #75	Mesaverde	Completed/Producing
Rosa Unit #75A	Mesaverde	Carry Over to 2000 P.O.D.
Rosa Unit Com #129	Mesaverde	Carry Over to 2000 P.O.D.

Well Number	Formation	Operations Status
Rosa Unit Com #129A	Mesaverde	Carry Over to 2000 P.O.D.
Rosa Unit #137A (Pictured Cliffs/	Pictured Cliffs	Completed/Producing
Mesaverde Dual)	Mesaverde	Completed/Producing
Rosa Unit #162	Mesaverde	Completed/Producing
Rosa Unit #162A	Mesaverde	Completed/Producing
Rosa Unit #164	Mesaverde	Completed/Producing
Rosa Unit #164A	Mesaverde	Completed/Producing
Rosa Unit #165 (Pictured Cliffs/	Pictured Cliffs	Completed/Producing
Mesaverde Dual)	Mesaverde	Completed/Producing
Rosa Unit #165A	Mesaverde	Completed/Producing
Rosa Unit #167	Mesaverde	Completed/Producing
Rosa Unit #167A	Mesaverde	Completed/Producing
Rosa Unit Com #169	Mesaverde	Completed/Producing
Rosa Unit Com #169A	Mesaverde	Completed/Producing
Rosa Unit #341	Fruitland	Carry Over to 2000 P.O.D.
Rosa Unit #342	Fruitland	Carry Over to 2000 P.O.D.
Rosa Unit #343	Fruitland	Carry Over to 2000 P.O.D.
Rosa Unit #344	Fruitland	Carry Over to 2000 P.O.D.
Rosa Unit #345	Fruitland	Carry Over to 2000 P.O.D.
Rosa Unit #347	Fruitland	Carry Over to 2000 P.O.D.
Rosa Unit #350	Fruitland	Carry Over to 2000 P.O.D.
Rosa Unit #351	Fruitland	Carry Over to 2000 P.O.D.
Rosa Unit #354	Fruitland	Carry Over to 2000 P.O.D.
Rosa Unit Com #355	Fruitland	Carry Over to 2000 P.O.D.
Rosa Unit #357	Fruitland	Carry Over to 2000 P.O.D.
Rosa Unit Com #358	Fruitland	Carry Over to 2000 P.O.D.
Rosa Unit #500 (MV/PC/Ojo Test)	Mesaverde	Dropped from P.O.D.
	Pictured Cliffs	Dropped from P.O.D.
	Ojo Alamo	Ojo tested and abandoned, well deepened and topset for Fruitland completion – 2000 P.O.D.
Rosa Unit #501 (PC/Ojo Test)	Pictured Cliffs	Dropped from P.O.D.
	Ojo Alamo	Dropped from P.O.D.
Rosa Unit #502 (PC/Ojo Test)	Pictured Cliffs	Dropped from P.O.D.
	Ojo Alamo	Dropped from P.O.D.
Rosa Unit #503 (PC/Ojo Test)	Pictured Cliffs	Dropped from P.O.D.
	Ojo Alamo	Dropped from P.O.D.
Rosa Unit #504 (PC/Ojo Test)	Pictured Cliffs	Dropped from P.O.D.
	Ojo Alamo	Dropped from P.O.D.
Rosa Unit #505	Ojo Alamo	Dropped from P.O.D.
Rosa Unit #506	Ojo Alamo	Dropped from P.O.D.
Rosa Unit #507	Pictured Cliffs	Dropped from P.O.D.

The Participating Areas which have been established in the Rosa Unit are as follows:

Formation	Revision	Effective
Mesaverde	Fifteenth	January 1, 1983
Dakota	Ninth	January 1, 1992

Attached are maps of each of the producing formations within the Rosa Unit showing the boundaries of the Participating Areas as applicable. There were no wells commingled within the Rosa Unit during 1999.

Pursuant to Section 9 of the Rosa Unit Agreement, Williams Production Company is submitting a Plan of Development providing for the completion of the following wells during 2000:

Well Number	Drilling Block	Formation
Rosa Unit #6Y	S/2 Sec.27,T31N,R5W	Mesaverde
Rosa Unit #13A	N/2 Sec.31,T31N,R5W	Mesaverde
Rosa Unit #14A	E/2 Sec.23,T31N,R6W	Mesaverde
Rosa Unit #17A	S/2 Sec.20,T31N,R5W	Mesaverde
Rosa Unit #21A	W/2 Sec.23,T31N,R6W	Mesaverde
Rosa Unit #22A	N/2 Sec. 18,T31N,R5W	Mesaverde
Rosa Unit #25A	W/2 Sec.15,T31N,R6W	Mesaverde
Rosa Unit #31	W/2 Sec.17,T31N,R5W	Mesaverde
Rosa Unit #31A	W/2 Sec.17,T31N,R5W	Mesaverde
Rosa Unit #35A	ALL Sec.5,T31N,R6W	Mesaverde
Rosa Unit #46A	E/2 Sec.8,T31N,R5W	Mesaverde
Rosa Unit #75A	W/2 Sec.10,T31N,R6W	Mesaverde
Rosa Unit #80A	W/2 Sec.8,T31N,R5W	Mesaverde
Rosa Unit #85A	N/2 Sec.20,T31N,R5W	Mesaverde
Rosa Unit Com #129	W/2 Sec.34,T32N,R6W	Mesaverde
Rosa Unit Com #129A	W/2 Sec.34,T32N,R6W	Mesaverde
Rosa Unit #146A	W/2 Sec.28,T31N,R5W	Mesaverde
Rosa Unit #153A	E/2 Sec.17,T31N,R5W	Mesaverde
Rosa Unit #154A	S/2 Sec.7,T31N,R5W	Mesaverde
Rosa Unit #159A	S/2 Sec.19,T31N,R5W	Mesaverde
Rosa Unit #160 (Recomplete PC, Dual with existing MV)	SE/4 Sec.25,T31N,R6W	Pictured Cliffs
Rosa Unit #163	E/2 Sec.24,T31N,R6W	Mesaverde
Rosa Unit #163A	E/2 Sec.24,T31N,R6W	Mesaverde
Rosa Unit #166	N/2 Sec.30,T31N,R5W	Mesaverde
Rosa Unit #166A	N/2 Sec.30,T31N,R5W	Mesaverde
Rosa Unit #168A	E/2 Sec.28,T31N,R5W	Mesaverde
Rosa Unit #171	N/2 Sec.7,T31N,R5W	Mesaverde
Rosa Unit #171A	N/2 Sec.7,T31N,R5W	Mesaverde
Rosa Unit #181	E/2 Sec.10,T31N,R6W	Mesaverde
Rosa Unit #181A	E/2 Sec.10,T31N,R6W	Mesaverde
Rosa Unit #182	S/2 Sec.18,T31N,R5W	Mesaverde
Rosa Unit #182A	S/2 Sec.18,T31N,R5W	Mesaverde
Rosa Unit #183	N/2 Sec.19,T31N,R5W	Mesaverde
Rosa Unit #183A	N/2 Sec.19,T31N,R5W	Mesaverde
Rosa Unit #184	E/2 Sec.34,T31N,R5W	Mesaverde
Rosa Unit #184A	E/2 Sec. 34,T31N,R5W	Mesaverde
Rosa Unit #185	S/2 Sec.16,T31N,R6W	Mesaverde
Rosa Unit #185A	S/2 Sec.16,T31N,R6W	Mesaverde
Rosa Unit #186	N/2 Sec.27,T31N,R5W	Mesaverde
Rosa Unit #187	W/2 Sec.21,T31N,R5W	Mesaverde
Rosa Unit #188	W/2 Sec.34,T31N,R5W	Mesaverde
Rosa Unit #188A	W/2 Sec.34,T31N,R5W	Mesaverde

Well Number	Drilling Block	Formation
Rosa Unit #341	W/2 Sec.16,T31N,R6W	Fruitland
Rosa Unit #342	N/2 Sec.21,T31N,R6W	Fruitland
Rosa Unit #343	S/2 Sec.26,T31N,R5W	Fruitland
Rosa Unit #344	S/2 Sec.25,T31N,R5W	Fruitland
Rosa Unit #345	S/2 Sec.23,T31N,R5W	Fruitland
Rosa Unit #347	E/2 Sec.11,T31N,R4W	Fruitland
Rosa Unit #350	E/2 Sec.10,T31N,R5W	Fruitland
Rosa Unit #351	W/2 Sec.11,T31N,R5W	Fruitland
Rosa Unit #354	E/2 Sec.19,T31N,R4W	Fruitland
Rosa Unit Com #355	E/2 Sec.33,T32N,R6W	Fruitland
Rosa Unit #357	E/2 Sec.36,T32N,R6W	Fruitland
Rosa Unit #358	W/2 Sec.34,T32N,R6W	Fruitland
Rosa Unit #500	W/2 Sec.23,T31N,R4W	Fruitland
Rosa Unit #510	SW/4 Sec.11,T31N,R4W	Ojo Alamo
Rosa Unit #511	SW/4 Sec.13,T31N,R4W	Ojo Alamo
Rosa Unit #512	NE/4 Sec.15,T31N,R4W	Ojo Alamo
Rosa Unit #513	NE/4 Sec.23,T31N,R4W	Ojo Alamo

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided in the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

M. Vern Hansen
Senior Landman

Enclosures:

cc: Working Interest Owners
Mike Turnbaugh
Kris Russell
Tony Scheiper
Tracy Ross

APPROVED: _____ DATE: _____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED: _____ DATE: _____

Commissioner of Public Lands
Subject to like approval by the Area
Oil and Gas Supervisor and the Oil
Conservation Commission

APPROVED: _____ DATE: 2/10/00

Oil Conservation Commission
Subject to like approval by the Area
Oil and Gas Supervisor and the
Commissioner of Public Lands

The foregoing approvals are for the 2000 Plan of Development for the Rosa Unit I, Section No.587.

WORKING INTEREST OWNERS

ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: SAN JUAN ASSET TEAM
P O BOX 3092
HOUSTON, TX 77253-3092

MR. FRANK A SCHULTZ
LINCOLN PLAZA, #2160 LO-1
500 NORTH ARARD
DALLAS, TX 75606-4079

MS. ELIZABETH T. CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

COASTAL OIL & GAS CORPORATION
ATTN: HENRY HANSEN
P O BOX 719
BELLAIRE, TX 77402-0719

CROSS TIMBERS OIL COMPANY
ATTN: EDWIN S. RYAN, JR.
810 HOUSTON STREET, SUITE 2000
FORT WORTH, TX 76102-6298

MR. J. GLENN TURNER, JR.
3131 TURTLE CREEK BLVD.
#1201
DALLAS, TX 75219

J. K. EDWARDS ASSOCIATES
ATTN: KEITH EDWARDS
1401 17th STREET, SUITE 1400
DENVER, CO 80202

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P O BOX 660197
DALLAS, TX 75266-0197

MR. JOHN TURNER
HC73, BOX 122, SUITE 277
PARK HILL, OK 74451

MS. PATRICIA PENROSE SCHIEFFER, TRUSTEE
ATTN: J. THOMAS SCHIEFFER
1000 BALLPARK WAY, #300
ARLINGTON, TX 76102

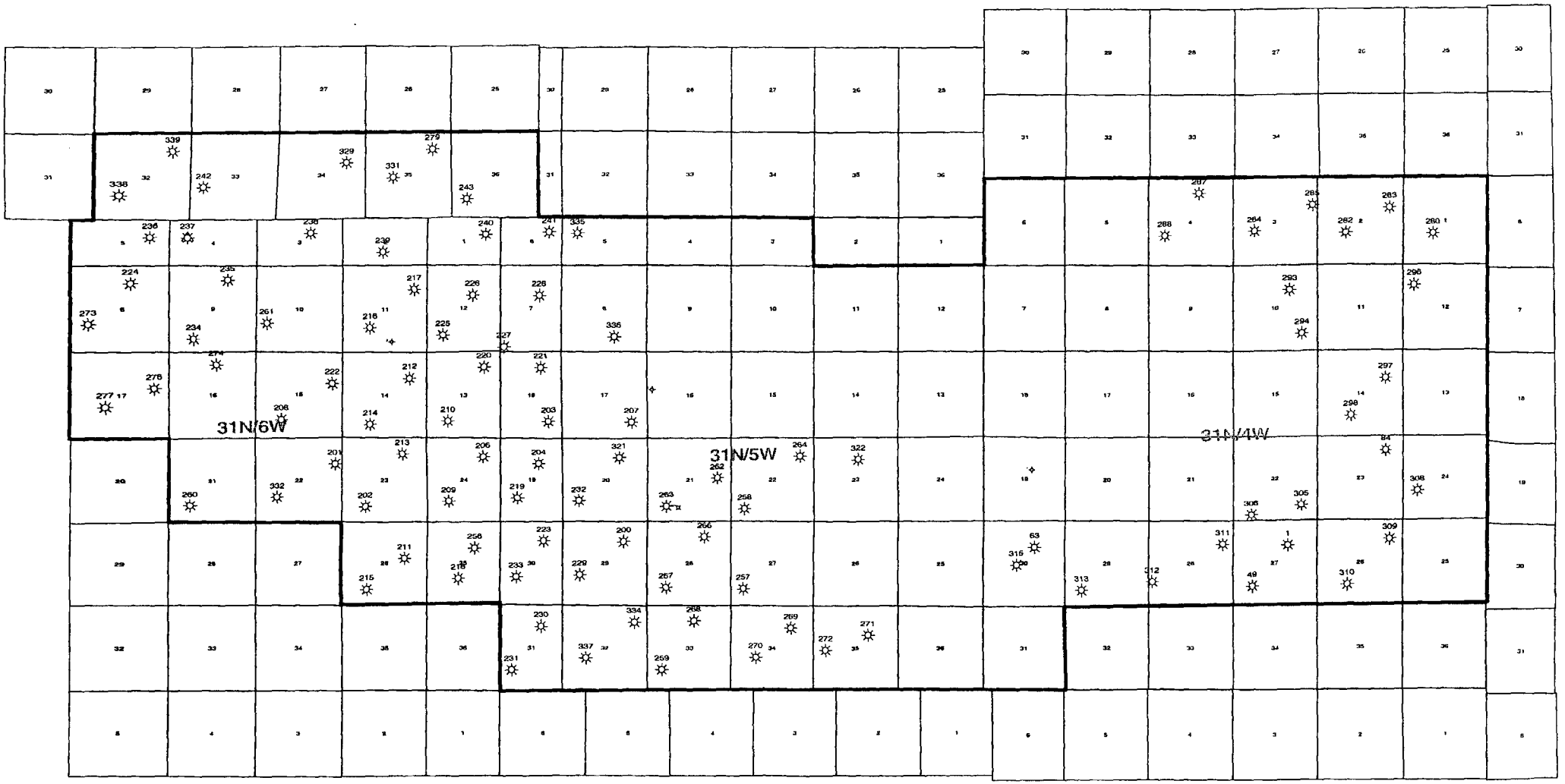
THE WISER OIL COMPANY
ATTN: LAURIE BLOCK
8115 PRESTON ROAD, #400
DALLAS, TX 75225

MR. WILLIAM G. WEBB
8226 DOUGLAS AVENUE, SUITE 709
DALLAS, TX 75225-5929

PHILLIPS PETROLEUM CO.
ATTN: S. SCOTT PRATHER
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

MALLON OIL COMPANY
999 18th STREET, SUITE 1700
DENVER, CO 80202

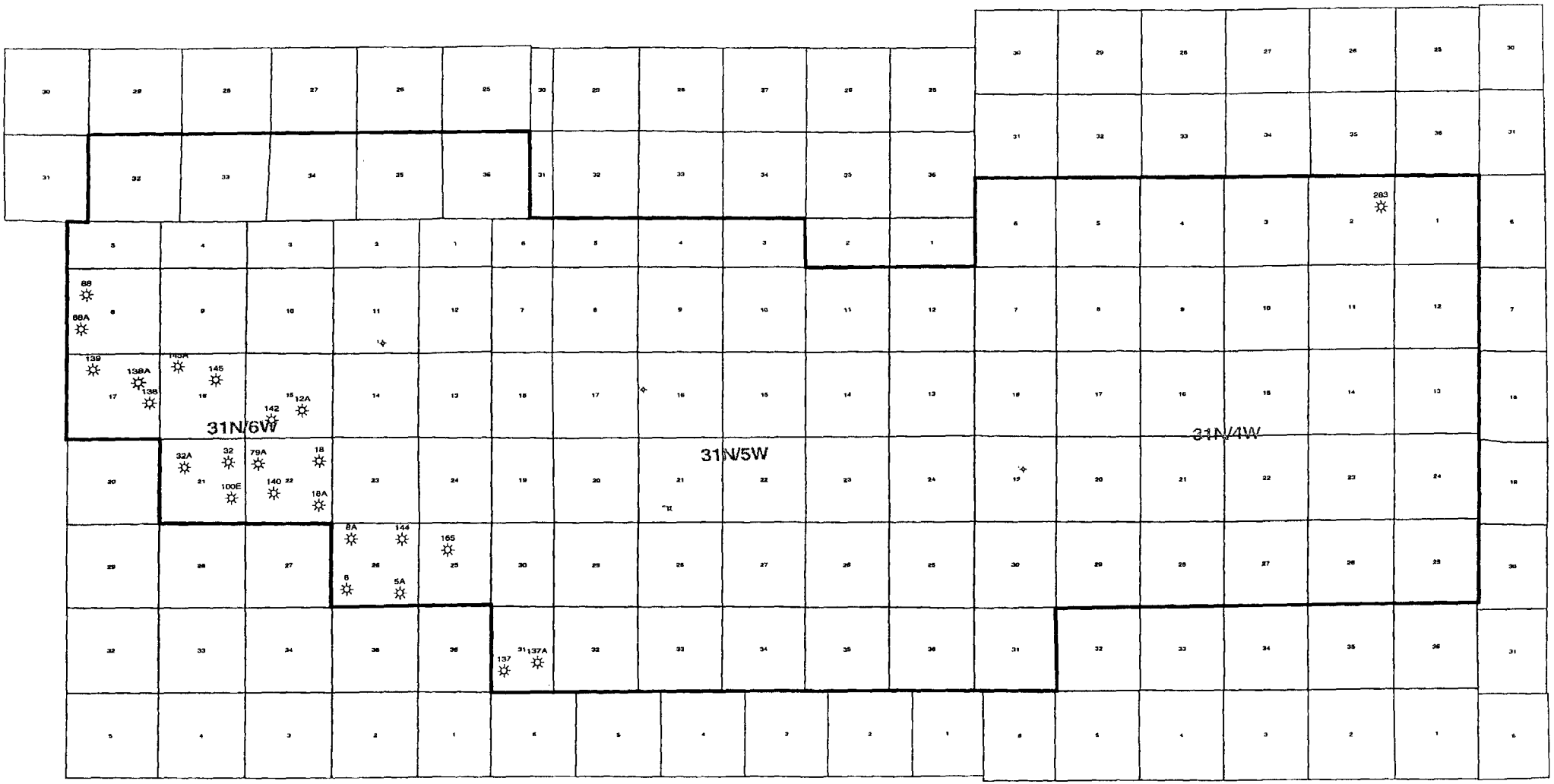
J. M. HUBER CORPORATION
ATTN: ANDY LYDYARD
1050 17th STREET, SUITE 1850
DENVER, CO 80265



Williams

ROSA UNIT
FRUITLAND COAL FORMATION WELLS

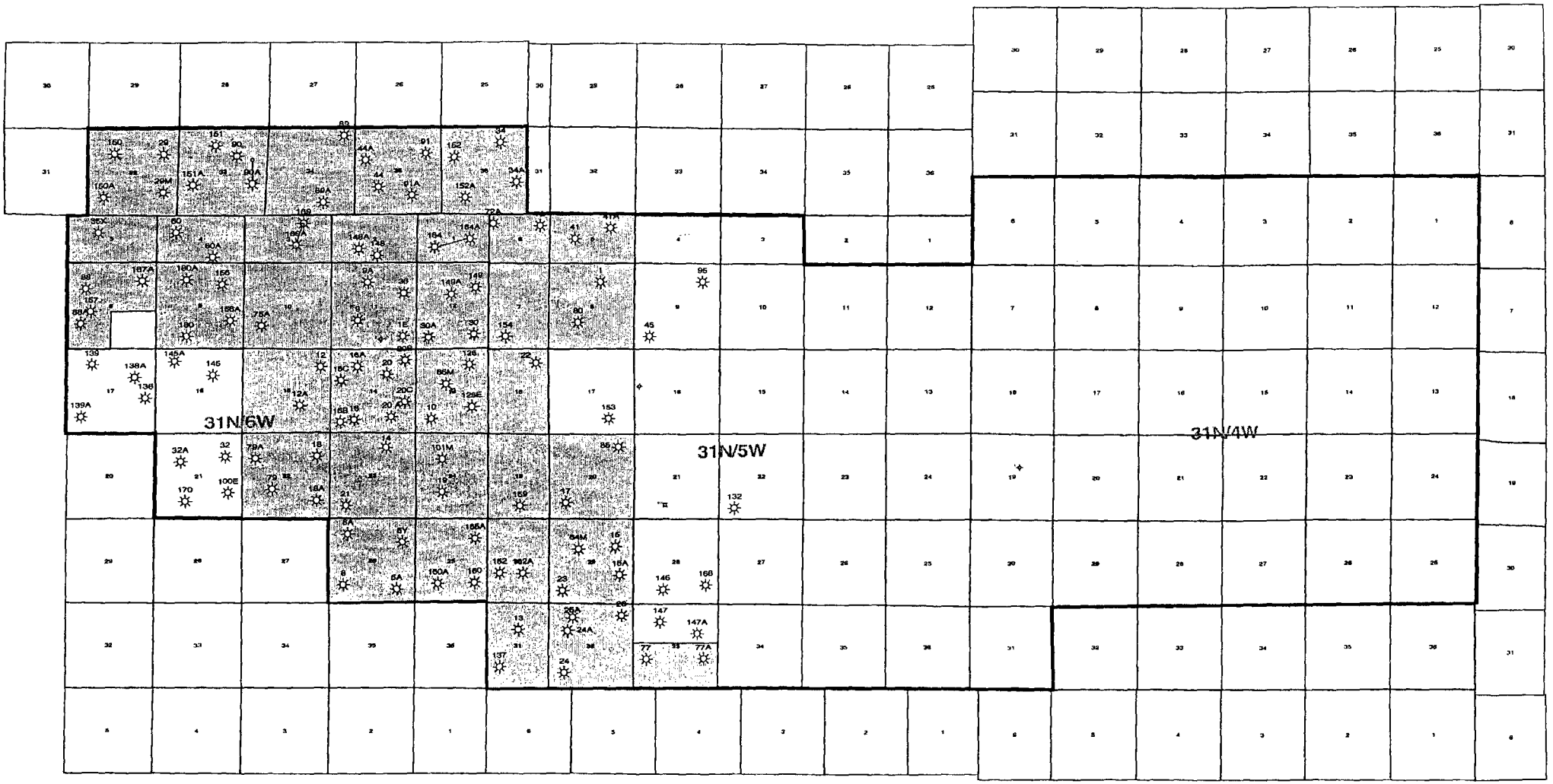
		2/1/2000
	Scale 1:110059.82	



Williams

ROSA UNIT
PICTURED CLIFFS FORMATION WELLS

		2/1/2000
	Scale 1:110059.82	

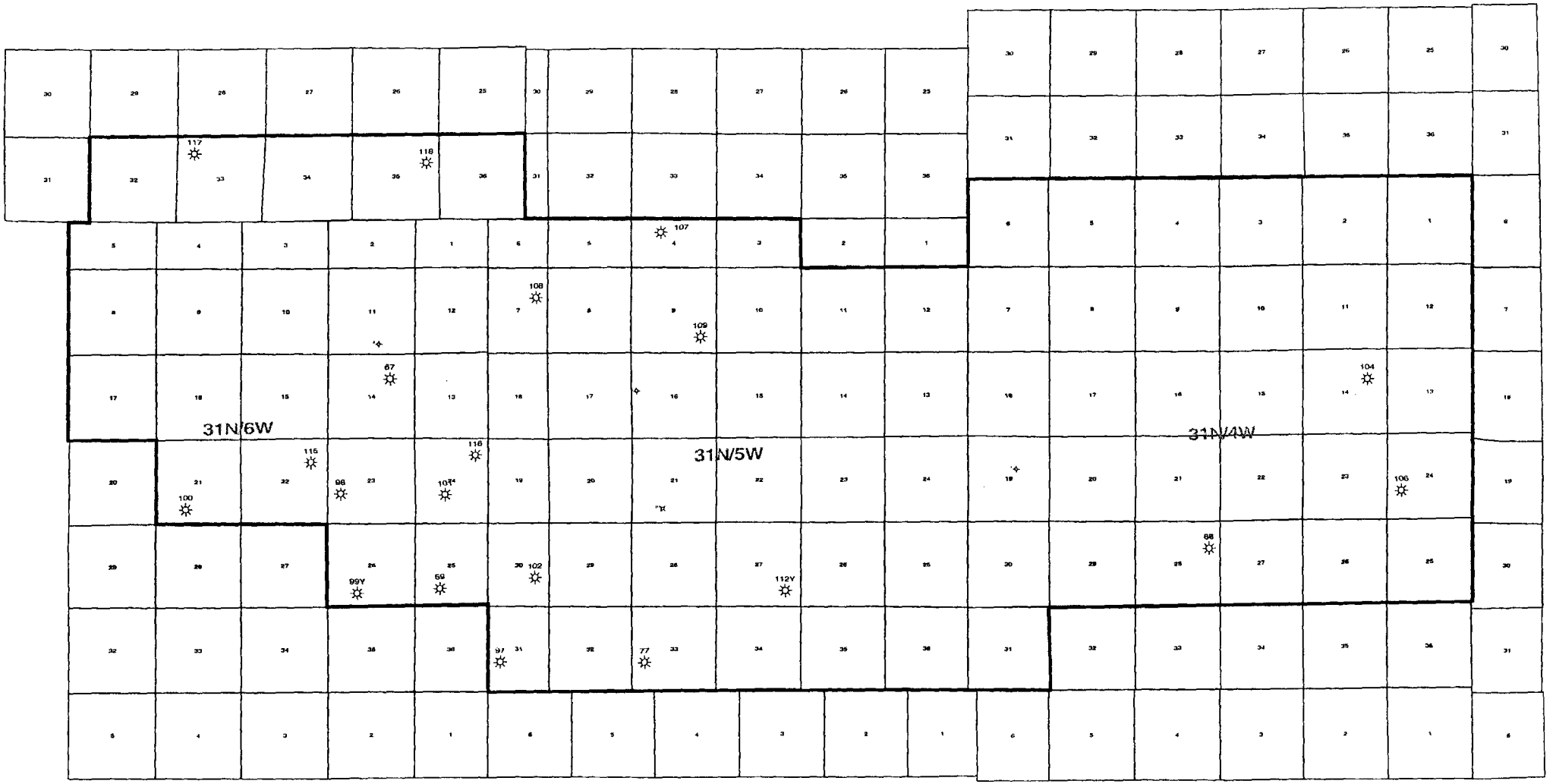


MESAVERDE PARTICIPATING AREA

Williams

ROSA UNIT
MESAVERDE FORMATION WELLS

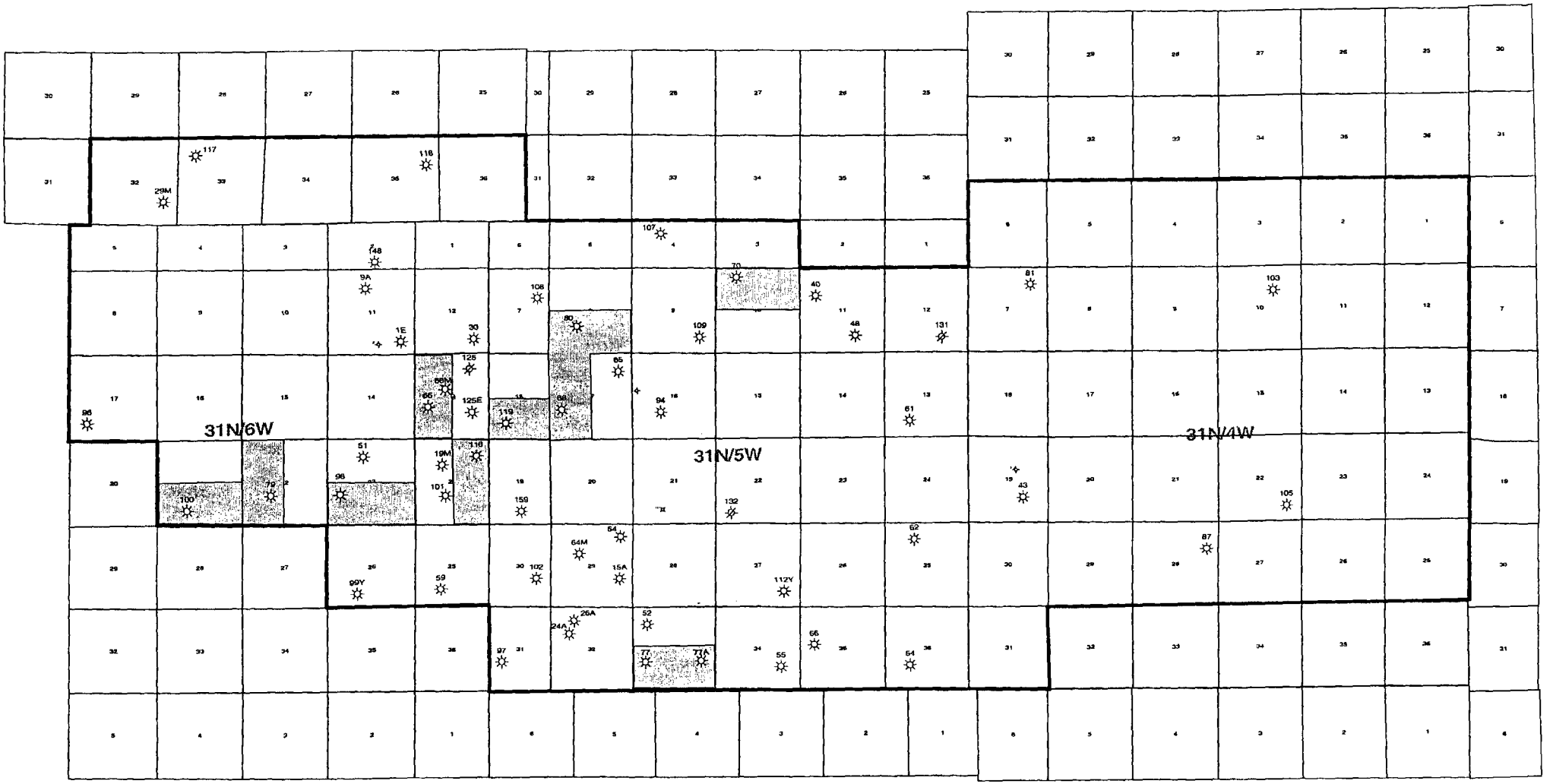
		2/1/2000
	Scale 1:110059.82	



Williams

ROSA UNIT
GALLUP FORMATION WELLS

		2/1/2000
	Scale 1:110059.82	



Dakota Participating Area

Williams

ROSA UNIT
DAKOTA FORMATION WELLS

		2/1/2000
	Scale 1:110631.41	

WILLIAMS PRODUCTION COMPANY
ONE OF THE WILLIAMS COMPANIES, INC.

SEP 13 1999

September 9, 1999

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico
Oil Conservation Commission
2040 South Pacheco
Santa Fe, New Mexico 87505
Attn: Mr. Floyd Prando

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, New Mexico 87504-1148
Attn: Mr. William J. Lemay

Re: Rosa Unit I, Sec.No.587
San Juan and Rio Arriba Counties, New Mexico
Third Supplemental 1999 Plan of Development

Gentlemen:

By letters dated February 9, April 30, and August 3, 1999, Williams Production Company as Rosa Unit Operator, filed the 1999 Plan of Development for the Rosa Unit.

Subsequent to filing the 1999 Plan of Development, it has been proposed that one additional well be dually completed in the Pictured Cliffs formation with the Mesaverde completion as indicated in the 1999 Plan of Development filed by letter dated February 9, 1999, and in addition, the following wells be placed on the Rosa Unit Plan of Development for 1999:

Well Name	Formation	Spacing
Rosa Unit #137A(Pictured Cliffs/ Mesaverde Dual)	Pictured Cliffs/ Mesaverde	SE/4 Sec.31,T31N,R6W S/2 Sec.31,T31N,R6W
Rosa Unit #16B	Mesaverde	W/2 Sec.14,T31N,R6W
Rosa Unit #16C	Mesaverde	W/2 Sec.14,T31N,R6W
Rosa Unit #20B	Mesaverde	E/2 Sec.14,T31N,R6W
Rosa Unit #20C	Mesaverde	E/2 Sec.14,T31N,R6W
Rosa Unit #341	Fruitland	W/2 Sec.16,T31N,R6W
Rosa Unit #342	Fruitland	N/2 Sec.21,T31N,R6W
Rosa Unit #343	Fruitland	S/2 Sec.26,T31N,R5W
Rosa Unit #344	Fruitland	S/2 Sec.25,T31N,R5W

September 9, 1999
Rosa Unit I, Sec. No. 587
Third Supplemental Plan of Development

Well Name (con't)	Formation	Spacing
Rosa Unit #345	Fruitland	S/2 Sec.23,T31N,R5W
Rosa Unit #347	Fruitland	E/2 Sec.11,T31N,R4W
Rosa Unit #350	Fruitland	E/2 Sec.10,T31N,R5W
Rosa Unit #351	Fruitland	W/2 Sec.11,T31N,R5W
Rosa Unit #354	Fruitland	E/2 Sec.19,T31N,R4W
Rosa Unit Com #355	Fruitland	E/2 Sec,33,T32N,R6W
Rosa Unit #357	Fruitland	E/2 Sec.36,T32N,R6W
Rosa Unit Com #358	Fruitland	W/2 Sec.34,T32N,R6W

Due to various seasonal restrictions for drilling in the Rosa Unit Area, many of the wells as set forth above may not be drilled during 1999 and will be carried forward to the Rosa Unit 2000 Plan of Development.

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Third Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided in the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

M. Vern Hansen
Senior Landman

Enclosures

Cc: Mike Turnbaugh
Kris Russell
Tony Scheiper
Tracy Ross

September 9, 1999
Rosa Unit I, Sec. No. 587
Third Supplemental Plan of Development

APPROVED: _____ DATE: _____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED: _____ DATE: _____

Commissioner of Public Lands
Subject to like approval by the Area
Oil and Gas Supervisor and the Oil
Conservation Commission

APPROVED: By E. Johnson DATE: 9/14/99

Oil Conservation Commission
Subject to like approval by the Area
Oil and Gas Supervisor and the
Commissioner of Public Lands

The foregoing approvals are for the Third Supplemental 1999 Plan of Development for the Rosa Unit I, Section No.587.

WORKING INTEREST OWNERS

ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: SAN JUAN ASSET TEAM MANAGER
P O BOX 3092
HOUSTON, TX 77253-3092

MR. FRANK A SCHULTZ
LINCOLN PLAZA, #2160 LO-1
500 NORTH ARARD
DALLAS, TX 75606-4079

MS. ELIZABETH T. CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

COASTAL OIL & GAS CORPORATION
ATTN: HENRY HANSEN
P O BOX 719
BELLAIRE, TX 77402-0719

CROSS TIMBERS OIL COMPANY
ATTN: EDWIN S. RYAN, JR.
810 HOUSTON ST, STE 2000
FORT WORTH, TX 76102-6298

MR. J. GLENN TURNER, JR.
3131 TURTLE CREEK BLVD.
#1201
DALLAS, TX 57219

J. K. EDWARDS ASSOCIATES
ATTN: KEITH EDWARDS
1401 17th STREET, SUITE 1400
DENVER, CO 80202

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P O BOX 660197
DALLAS, TX 75266-0197

MR. JOHN TURNER
P O BOX 33610
KERRVILLE, TX 78029-3610

MS. PATRICIA PENROSE SCHIEFFER, TRUSTEE
ATTN: J. THOMAS SCHIEFFER
1000 BALLPARK WAY, #300
ARLINGTON, TX 76102

THE WISER OIL COMPANY
ATTN: LAURIE BLOCK
8115 PRESTON ROAD, #400
DALLAS, TX 75225

MR. WILLIAM G. WEBB
8226 DOUGLAS AVENUE, SUITE 709
DALLAS, TX 75225-5929

PHILLIPS PETROLEUM CO.
ATTN: S. SCOTT PRATHER
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

MALLON OIL COMPANY
999 18th STREET, SUITE 1700
DENVER, CO 80202

WORKING INTEREST OWNERS
ROSA UNIT

Jerome P. McHugh
650 South Cherry Street, Suite 1225
Denver, CO 80222

James B. Fullerton
1645 Court Place, #406
Denver, Colorado 80202

T. H. McElvain Oil & Gas, LP
P. O. Box 2148
Santa Fe, NM 87504-2148

George B. Broome
P O Box 2148 87504
Santa Fe, NM ~~78028~~-2148

James M. Raymond
P. O. Box 1445
Kerrville, Texas 78028-1445

James M. Raymond, Attorney-in-Fact
For Charles W. Gay and Lorrayn Gay Hacker
P. O. Box 1445
Kerrville, TX 78028-1445

James M. Raymond, Trustee of the
Maydell Miller Mast Trust
P. O. Box 1445
Kerrville, TX 78028-1445

T. H. McElvain, Jr.
P. O. Box 2148
Santa Fe, NM 87504-2148

Coastal Oil & Gas Corporation
Attn: Henry Hansen
P. O. Box 719
Bellaire, TX 77402-0719

Amoco Production Company
Attn: San Juan Asset Team Manager
P. O. Box 3092
Houston, TX 77253-3092

WILLIAMS PRODUCTION COMPANY
ONE OF THE WILLIAMS COMPANIES, INC.

AUG 6 1999
OIL CONSERVATION DIV.

August 3, 1999

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico
Oil Conservation Commission
2040 South Pacheco
Santa Fe, New Mexico 87505
Attn: Mr. Floyd Prando

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, New Mexico 87504-1148
Attn: Mr. William J. Lemay

Re: Rosa Unit I, Sec.No.587
San Juan and Rio Arriba Counties, New Mexico
Second Supplemental 1999 Plan of Development

Gentlemen:

By letters dated February 9 and April 30, 1999, Williams Production Company as Rosa Unit Operator, filed the 1999 Plan of Development for the Rosa Unit.

Subsequent to filing the 1999 Plan of Development, it has been proposed that the following well be dually completed in the Pictured Cliffs formation with the Mesaverde completion as indicated in the 1999 Plan of Development filed by letter dated February 9, 1999:

Well Name	Formation	Spacing
Rosa Unit #165 (Pictured Cliffs/ Mesaverde Dual)	Pictured Cliffs/ Mesaverde	NW/4 Sec.25,T31N,R6W N/2 Sec.25,T31N,R6W

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Second Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided in the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

M. Vern Hansen
Senior Landman

Enclosures

One Williams Center • P. O. Box 3102 • Tulsa, Oklahoma 74101
(918) 588-4592

August 3, 1999
Rosa Unit Sec. I No. 587
Second Supplemental Plan of Development

APPROVED: _____ DATE:_____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED: _____ DATE:_____

Commissioner of Public Lands
Subject to like approval by the Area
Oil and Gas Supervisor and the Oil
Conservation Commission

APPROVED: _____ DATE:_____

Oil Conservation Commission
Subject to like approval by the Area
Oil and Gas Supervisor and the
Commissioner of Public Lands

The foregoing approvals are for the Second Supplemental 1999 Plan of Development for the Rosa Unit I, Section No.587.

WORKING INTEREST OWNERS

ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: SAN JUAN ASSET TEAM MANAGER
P O BOX 3092
HOUSTON, TX 77253-3092

MR. FRANK A SCHULTZ
LINCOLN PLAZA, #2160 LO-1
500 NORTH ARARD
DALLAS, TX 75606-4079

MS. ELIZABETH T. CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

COASTAL OIL & GAS CORPORATION
ATTN: HENRY HANSEN
P O BOX 719
BELLAIRE, TX 77402-0719

CROSS TIMBERS OIL COMPANY
ATTN: EDWIN S. RYAN, JR.
810 HOUSTON ST, STE 2000
FORT WORTH, TX 76102-6298

MR. J. GLENN TURNER, JR.
3131 TURTLE CREEK BLVD.
#1201
DALLAS, TX 57219

J. K. EDWARDS ASSOCIATES
ATTN: KEITH EDWARDS
1401 17th STREET, SUITE 1400
DENVER, CO 80202

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P O BOX 660197
DALLAS, TX 75266-0197

MR. JOHN TURNER
P O BOX 33610
KERRVILLE, TX 78029-3610

MS. PATRICIA PENROSE SCHIEFFER, TRUSTEE
ATTN: J. THOMAS SCHIEFFER
1000 BALLPARK WAY, #300
ARLINGTON, TX 76102

THE WISER OIL COMPANY
ATTN: LAURIE BLOCK
8115 PRESTON ROAD, #400
DALLAS, TX 75225

MR. WILLIAM G. WEBB
8226 DOUGLAS AVENUE, SUITE 709
DALLAS, TX 75225-5929

PHILLIPS PETROLEUM CO.
ATTN: S. SCOTT PRATHER
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

MALLON OIL COMPANY
999 18th STREET, SUITE 1700
DENVER, CO 80202

WILLIAMS PRODUCTION COMPANY
ONE OF THE WILLIAMS COMPANIES, INC.

April 30, 1999

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico
Oil Conservation Commission
2040 South Pacheco
Santa Fe, New Mexico 87505
Attn: Mr. Floyd Prando

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, New Mexico 87504-1148
Attn: Mr. William J. Lemay

MAY - 6

Re: Rosa Unit I, Sec.No.587
San Juan and Rio Arriba Counties, New Mexico
First Supplemental 1999 Plan of Development

Gentlemen:

By letter dated February 9, 1999, Williams Production Company as Rosa Unit Operator, filed the 1999 Plan of Development for the Rosa Unit.

Subsequent to filing the 1999 Plan of Development, it has been proposed that the following wells be drilled during 1999:

Well Name	Formation	Spacing
Rosa Unit #505	Ojo Alamo	SW/4 Sec.28,T31N,R4W
Rosa Unit #506	Ojo Alamo	SW/4 Sec.29,T31N,R4W
Rosa Unit #507	Pictured Cliffs	NW/4 Sec. 3,T31N,R4W

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this First Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided in the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

M. Vern Hansen
Senior Landman

Enclosures

One Williams Center • P. O. Box 3102 • Tulsa, Oklahoma 74101
(918) 588-4592

April 30, 1999
Rosa Unit Sec. I No. 587
First Supplemental Plan of Development

APPROVED: _____ DATE: _____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED: _____ DATE: _____
Commissioner of Public Lands
Subject to like approval by the Area
Oil and Gas Supervisor and the Oil
Conservation Commission

APPROVED: _____ DATE: 5/10/99
Oil Conservation Commission
Subject to like approval by the Area
Oil and Gas Supervisor and the
Commissioner of Public Lands

The foregoing approvals are for the First Supplemental 1999 Plan of Development for the Rosa Unit I, Section No.587.

WORKING INTEREST OWNERS

ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: HILARY SEARLES
P O BOX 800
DENVER, CO 80201

MR. FRANK A SCHULTZ
LINCOLN PLAZA, #2160 LO-1
500 NORTH ARARD
DALLAS, TX 75606-4079

MS. ELIZABETH T. CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

COASTAL OIL & GAS CORPORATION
ATTN: BART VALLS
P O BOX 719
BELLAIRE, TX 77402-0719

CROSS TIMBERS OIL COMPANY
ATTN: EDWIN S. RYAN, JR.
810 HOUSTON ST, STE 2000
FORT WORTH, TX 76102-6298

MR. J. GLENN TURNER, JR.
3131 TURTLE CREEK BLVD.
#1201
DALLAS, TX 57219

J. K. EDWARDS ASSOCIATES
ATTN: KEITH EDWARDS
1401 17th STREET, SUITE 1400
DENVER, CO 80202

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P O BOX 660197
DALLAS, TX 75266-0197

MR. JOHN TURNER
P O BOX 33610
KERRVILLE, TX 78029-3610

MS. PATRICIA PENROSE SCHIEFFER, TRUSTEE
ATTN: J. THOMAS SCHIEFFER
1000 BALLPARK WAY, #300
ARLINGTON, TX 76102

THE WISER OIL COMPANY
ATTN: LAURIE BLOCK
8115 PRESTON ROAD, #400
DALLAS, TX 75225

MR. WILLIAM G. WEBB
8226 DOUGLAS AVENUE, SUITE 709
DALLAS, TX 75225-5929

PHILLIPS PETROLEUM CO.
ATTN: S. SCOTT PRATHER
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

MALLON OIL COMPANY
999 18th STREET, SUITE 1700
DENVER, CO 80202

133

WILLIAMS PRODUCTION COMPANY
ONE OF THE WILLIAMS COMPANIES, INC.

February 9, 1999

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico
Oil Conservation Commission
2040 South Pacheco
Santa Fe, New Mexico 87505

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

Re: Rosa Unit I, Sec.No.587
San Juan and Rio Arriba Counties, New Mexico
1999 Plan of Development

Gentlemen:

By letters dated February 23, July 14 and October 26, 1998, Williams Production Company as Rosa Unit Operator, filed the 1998 Plan of Development for the Rosa Unit. Following is a summary of the operations proposed under the 1998 Plan of Development:

Well Name	Formation	Operations Status
Rosa Unit #12A	Mesaverde	Completed/Producing
Rosa Unit #29M (MV/DK Dual)	Mesaverde/	Completed/Producing
	Dakota	Completed/Producing
Rosa Unit #44	Mesaverde	Completed/Producing
Rosa Unit #66M (MV/DK Dual)	Mesaverde/	Completed/Producing
	Dakota	Completed/Shut-in
Rosa Unit #72A	Mesaverde	Completed/Producing
Rosa Unit #91A	Mesaverde	Completed/Producing
Rosa Unit #125 (MV Recompletion)	Mesaverde	Completed/Producing
Rosa Unit #132 (MV Recompletion)	Mesaverde	Completed/Producing
Rosa Unit #139A	Mesaverde	Completed/Producing
Rosa Unit #147A	Mesaverde	Completed/Producing
Rosa Unit Com #148A	Mesaverde	Completed/Producing
Rosa Unit #149A	Mesaverde	Completed/Producing
Rosa Unit #150A	Mesaverde	Completed/Producing

Well Number	Formation	Operations Status
Rosa Unit #151A	Mesaverde	Completed/Producing
Rosa Unit #152A	Mesaverde	Completed/Producing
Rosa Unit #154	Mesaverde	Completed/Producing
Rosa Unit #156	Mesaverde	Completed/Producing
Rosa Unit #156A	Mesaverde	Completed/Producing
Rosa Unit #160	Mesaverde	Completed/Producing
Rosa Unit #160A	Mesaverde	Completed/Producing
Rosa Unit #167	Mesaverde	Carried Over to 1999 P.O.D.
Rosa Unit #168	Mesaverde	Completed/Producing
Rosa Unit #170	Mesaverde	Completed/Producing
Rosa Unit #283 (PC Completion-dual with FT)	Pictured Cliffs	Completed/Producing
Rosa Unit #339	Fruitland Coal	Completed/Producing

The Participating Areas which have been established in the Rosa Unit are as follows:

Formation	Revision	Effective
Mesaverde	Fifteenth	January 1, 1983
Dakota	Ninth	January 1, 1992

Attached are maps of each of the producing formations within the Rosa Unit showing the boundaries of the Participating Areas as applicable. There were no wells commingled within the Rosa Unit during 1998.

Pursuant to Section 9 of the Rosa Unit Agreement, Williams Production Company is submitting a Plan of Development providing for the completion of the following wells during 1999:

Well Number	Drilling Block	Formation
Rosa Unit #12A (Recomplete PC, dual with existing MV)	SE/4 Sec.15,T31N,R6W	Pictured Cliffs
Rosa Unit #5Y	E/2 Sec.26,T31N,R6W	Mesaverde
Rosa Unit #21A	W/2 Sec.23,T31N,R6W	Mesaverde
Rosa Unit #25A	W/2 Sec.15,T31N,R6W	Mesaverde
Rosa Unit #30A	S/2 Sec.12,T31N,R6W	Mesaverde
Rosa Unit #34A	E/2 Sec. 36,T32N,R6W	Mesaverde
Rosa Unit #44A	W/2 Sec. 35,T32N,R6W	Mesaverde
Rosa Unit Com #60	ALL Sec.4,T31N,R6W	Mesaverde
Rosa Unit Com #60A	ALL Sec.4,T31N,R6W	Mesaverde
Rosa Unit #75	W/2 Sec.10,T31N,R6W	Mesaverde
Rosa Unit #75A	W/2 Sec.10,T31N,R6W	Mesaverde
Rosa Unit Com #129	W/2 Sec.34,T32N,R6W	Mesaverde
Rosa Unit Com #129A	W/2 Sec.34,T32N,R6W	Mesaverde
Rosa Unit #137A	S/2 Sec.31,T31N,R5W	Mesaverde
Rosa Unit #162	S/2 Sec.30,T31N,R5W	Mesaverde
Rosa Unit #162A	S/2 Sec.30,T31N,R5W	Mesaverde
Rosa Unit #164	ALL Sec.1,T31N,R6W	Mesaverde
Rosa Unit #164A	ALL Sec.1,T31N,R6W	Mesaverde
Rosa Unit #165	N/2 Sec.25,T31N,R6W	Mesaverde
Rosa Unit #165A	N/2 Sec.25,T31N,R6W	Mesaverde

Well Number	Drilling Block	Formation
Rosa Unit #167	E/2 Sec.8,T31N,R6W	Mesaverde
Rosa Unit #167A	E/2 Sec.8,T31N,R6W	Mesaverde
Rosa Unit Com #169	ALL Sec.3,T31N,R6W	Mesaverde
Rosa Unit Com #169A	ALL Sec.3,T31N,R6W	Mesaverde
Rosa Unit #180	W/2 Sec.9,T31N,R6W	Mesaverde
Rosa Unit #180A	W/2 Sec.9,T31N,R6W	Mesaverde
Rosa Unit #181	E/2 Sec.10,T31N,R6W	Mesaverde
Rosa Unit #500 (MV/PC/OJO Test)	W/2 Sec.23,T31N,R4W	Mesaverde
	NW/4 Sec.23,T31N,R4W	Pictured Cliffs
	NW/4 Sec.23,T31N,R4W	Ojo Alamo
Rosa Unit #501 (PC/OJO Test)	SE/4 Sec.15,T31N,R4W	Pictured Cliffs
	SE/4 Sec.15,T31N,R4W	Ojo Alamo
Rosa Unit #502 (PC/OJO Test)	SE/4 Sec.23,T31N,R4W	Pictured Cliffs
	SE/4 Sec.23,T31N,R4W	Ojo Alamo
Rosa Unit #503 (PC/OJO Test)	SE/4 Sec.13,T31N,R4W	Pictured Cliffs
	SE/4 Sec.13,T31N,R4W	Ojo Alamo
Rosa Unit #504 (PC/OJO Test)	NW/4 Sec.11,T31N,R4W	Pictured Cliffs
	NW/4 Sec.11,T31N,R4W	Ojo Alamo

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided in the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

M. Vern Hansen

M. Vern Hansen
Senior Landman

Enclosures:

cc: Working Interest Owners
Mike Turnbaugh
Kris Russell
Tony Scheiper

APPROVED: _____ DATE: _____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED: _____ DATE: _____

Commissioner of Public Lands
Subject to like approval by the Area
Oil and Gas Supervisor and the Oil
Conservation Commission

APPROVED: _____ DATE: 2/16/99

Oil Conservation Commission
Subject to like approval by the Area
Oil and Gas Supervisor and the
Commissioner of Public Lands

The foregoing approvals are for the 1999 Plan of Development for the Rosa Unit I, Section No.587.

WORKING INTEREST OWNERS

ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: HILARY SEARLES
P O BOX 800
DENVER, CO 80201

MR. FRANK A SCHULTZ
LINCOLN PLAZA, #2160 LO-1
500 NORTH ARARD
DALLAS, TX 75606-4079

MS. ELIZABETH T. CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

COASTAL OIL & GAS CORPORATION
ATTN: BART VALLS
P O BOX 719
BELLAIRE, TX 77402-0719

CROSS TIMBERS OIL COMPANY
ATTN: EDWIN S. RYAN, JR.
810 HOUSTON STREET, SUITE 2000
FORT WORTH, TX 76102-6298

MR. J. GLENN TURNER, JR.
3131 TURTLE CREEK BLVD.
#1201
DALLAS, TX 57219

J. K. EDWARDS ASSOCIATES
ATTN: KEITH EDWARDS
1401 17th STREET, SUITE 1400
DENVER, CO 80202

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P O BOX 660197
DALLAS, TX 75266-0197

MR. JOHN TURNER
P O BOX 33610
KERRVILLE, TX 78029-3610

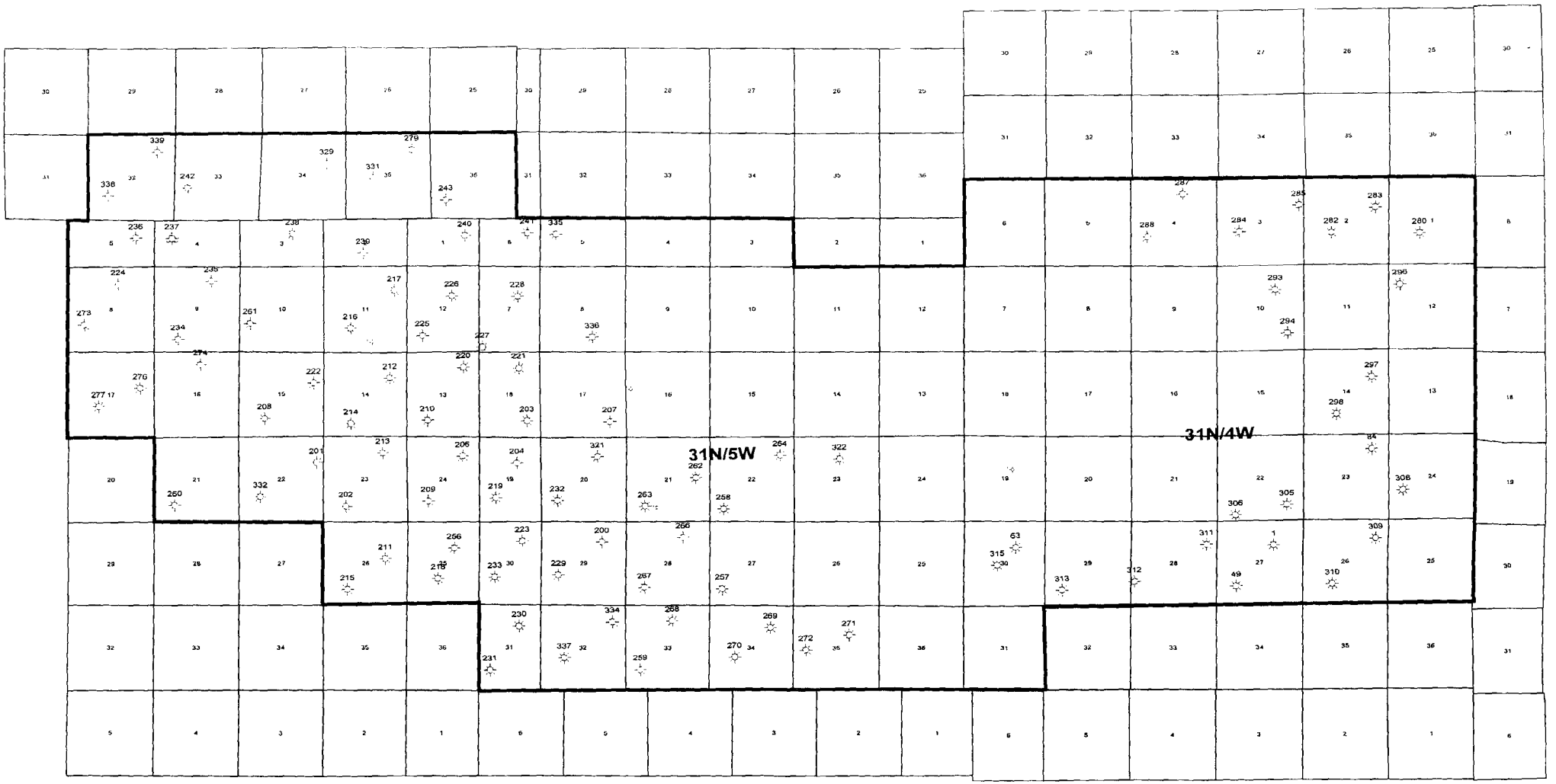
MS. PATRICIA PENROSE SCHIEFFER, TRUSTEE
ATTN: J. THOMAS SCHIEFFER
1000 BALLPARK WAY, #300
ARLINGTON, TX 76102

THE WISER OIL COMPANY
ATTN: LAURIE BLOCK
8115 PRESTON ROAD, #400
DALLAS, TX 75225

MR. WILLIAM G. WEBB
8226 DOUGLAS AVENUE, SUITE 709
DALLAS, TX 75225-5929

PHILLIPS PETROLEUM COMPANY
ATTN: S. SCOTT PRATHER
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

MALLON OIL COMPANY
999 18th STREET, SUITE 1700
DENVER, CO 80202

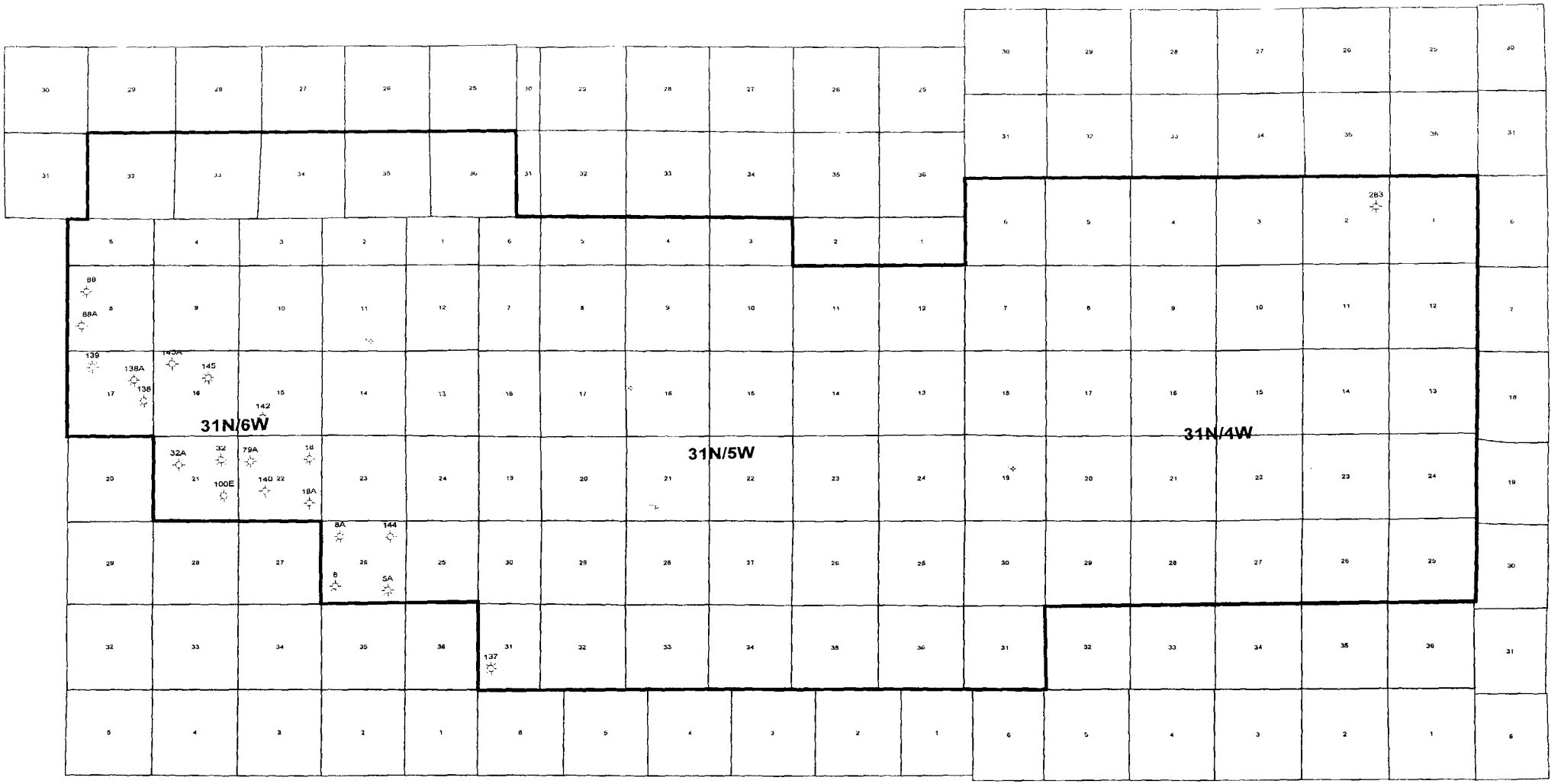


Williams

ROSA UNIT
FRUITLAND COAL FORMATION WELLS

2/4/99

Scale 1:110059.82

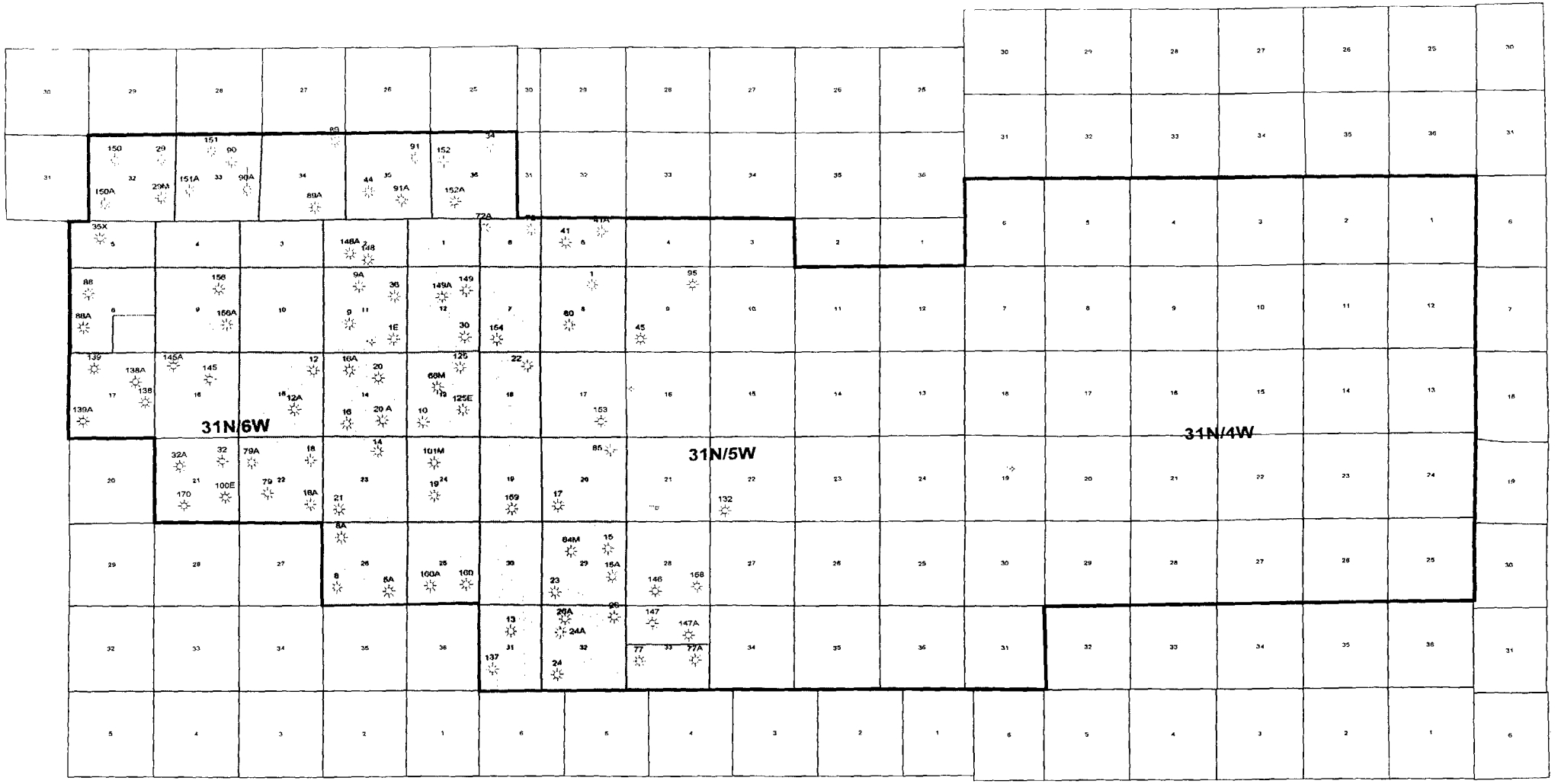


Williams

ROSA UNIT
PICTURED CLIFFS FORMATION WELLS

2/4/99

Scale 1:110059.82



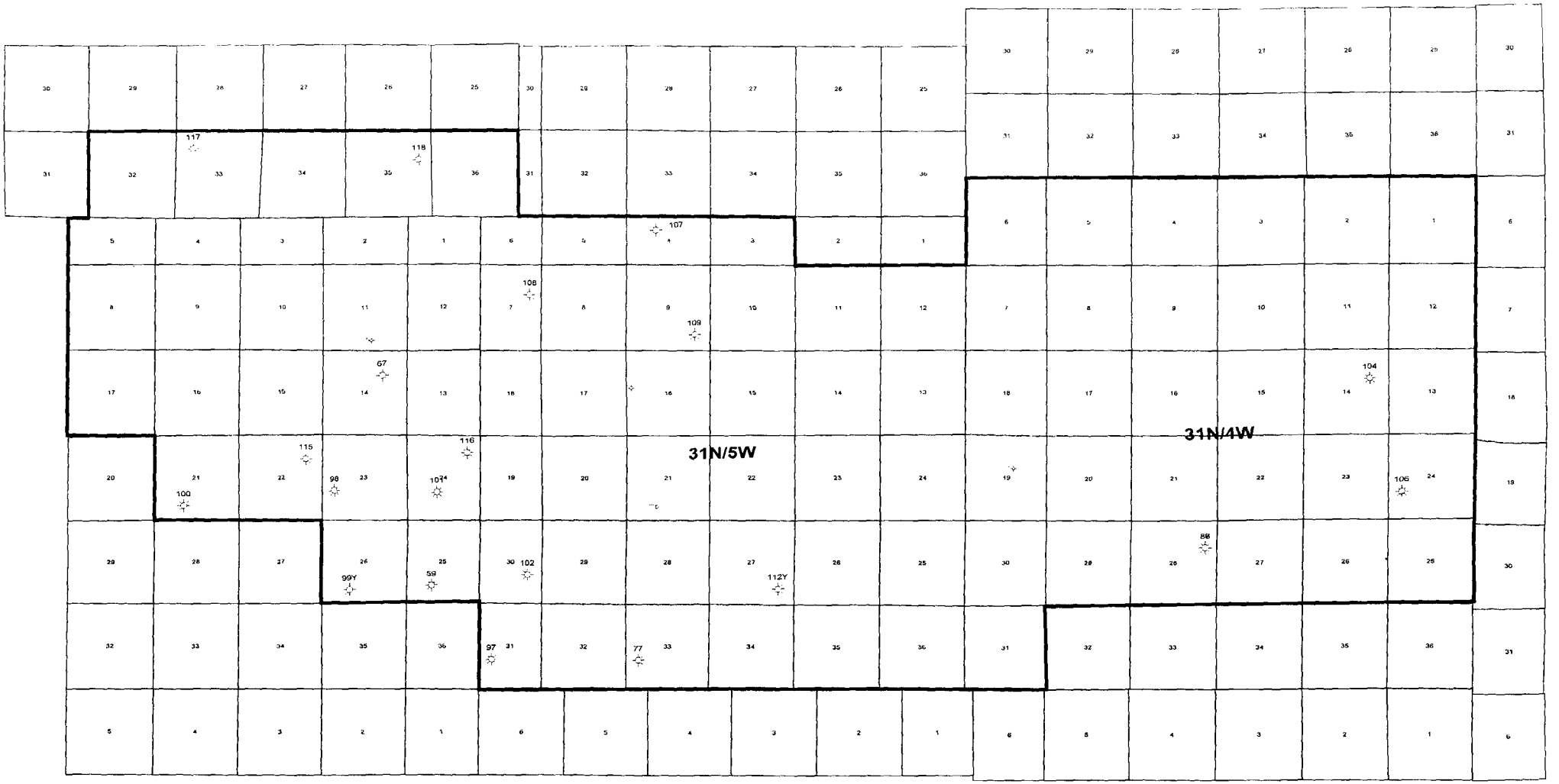
MESAVERDE PARTICIPATING AREA

Williams

ROSA UNIT
MESAVERDE FORMATION WELLS

2/4/99

Scale 1:110059.82



Williams

ROSA UNIT
GALLUP FORMATION WELLS

2/4/99

Scale 1.110059.82

Dakota Participating Area

Williams

ROSA UNIT
DAKOTA FORMATION WELLS

2/4/99

Scale 1:110059.82

#133

COMMERCIAL RESOURCES
(505)-827-5724

SURFACE RESOURCES
(505)-827-5795

MINERAL RESOURCES
(505)-827-5744

ROYALTY
(505)-827-5772

State of New Mexico
Commissioner of Public Lands
Ray Powell, M.S., D.V.M.
310 Old Santa Fe Trail, P. O. Box 1148
Santa Fe, New Mexico 87504-1148
Phone (505)-827-5760, Fax (505)-827-5766

PUBLIC AFFAIRS
(505)-827-5765

ADMINISTRATIVE MGMT.
(505)-827-5700

LEGAL
(505)-827-5713

PLANNING
(505)-827-5752

January 29, 1999

William Production Company
P.O. Box 3102
One William Center
Tulsa, Oklahoma 74101

Attn: Mr. M. Vern Hansen

Re: 1998 Plan of Development
First Supplemental
Rosa Unit
San Juan and Rio Arriba Counties, New Mexico

Dear Mr. Hansen:

The Commissioner of Public Lands has, of this date, approved the above-captioned First Supplemental Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the unit may exist. You may be contacted at a later date regarding these possibilities.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY:
JAMI BAILEY, Director
Oil, Gas and Minerals Division
(505) 827-5744

RP/JB/cpm
xc: Reader File OCD BLM

COMMERCIAL RESOURCES
(505)-827-5724

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(505)-827-5713

PLANNING
(505)-827-5752

January 27, 1999

Matador Petroleum Corporation
8340 Meadow Road
Suite 158, Pecan Creek
Dallas, Texas 75231-3751

Attn: Ms. Mona D. Ables

Re: 1998 Plan of Development
Red Hills Unit
Lea County, New Mexico

Dear Ms. Ables:

The Commissioner of Public Lands has, of this date, approved the above-captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the unit area and the need for further development of the unit may exist. You may be contacted at a later date regarding these possibilities.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY:
JAMI BAILEY, Director
Oil, Gas and Minerals Division
(505) 827-5744

RP/JB/cpm
xc: Reader File OCD BLM

WILLIAMS PRODUCTION COMPANY
ONE OF THE WILLIAMS COMPANIES, INC.

October 26, 1998

Bureau of Land Management
Assistant District Manager, Minerals
Farmington Resources Area
1235 La Plata Highway
Farmington, NM 87401

Commissioner of Public Land
State of New Mexico
Attention: Mr. Floyd Prando
P. O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attention: Mr. William J. Lemay
2040 S. Pacheco
Santa Fe, NM 87505

RE: Rosa Unit Sec. I. No. 587
San Juan and Rio Arriba Counties, New Mexico
Second Supplemental 1998 Plan of Development

Gentlemen:

By letters dated February 23 and July 14, 1998, Williams Production Company, as Unit Operator, filed the 1998 Plan of Development for the Rosa Unit.

Subsequent to filing the 1998 Plan of Development, it has been proposed that the following well be recompleted in the Pictured Cliffs Formation and dually completed with the Fruitland Coal Formation during 1998:

Well Name	Formation	Spacing
Rosa Unit #283	Pictured Cliffs	NE/4 Section 2, T31N, R4W

This well was drilled in 1990 and currently produces from the Fruitland Coal formation.

Williams Production Company. as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Second Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

Cynthia Marinella
Landman

APPROVED_____ DATE_____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the Commissioner of Public Lands
And the Oil Conservation Commission

APPROVED_____ DATE_____

Commissioner of Public Lands
Subject to like approval by the Area Oil and Gas Supervisor
And the Oil Conservation Commission

APPROVED Ry E Johnson NMOCD DATE 10/30/98

Commissioner of Public Lands
Subject to like approval by the Area Oil and Gas Supervisor
And the Oil Conservation Commission

The foregoing approvals are for the Second Supplemental 1998 Plan of Development for the Rosa Unit I, Sec. No. 587.

WORKING INTEREST OWNERS

ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: HILARY SEARLES
P O BOX 800
DENVER, CO 80201

MS. ELIZABETH T. CALLOWAY
4801 ST. JOHNS DR.
DALLAS, TX 75205

COASTAL OIL & GAS CORPORATION
ATTN: BART VAHLS
P. O. BOX 719
BELLAIRE, TX 77402-0719

J. K. EDWARDS ASSOCIATES
ATTN: KEITH EDWARDS
1401 17TH STREET, SUITE 1400
DENVER, CO 80202

HALLWOOD PETROLEUM
4582 S. ULSTER ST. PARKWAY, STE.1700
DENVER, CO 80237

MITCHELL ENERGY CORPORATION
ATTN: JOHN ALLOWAY
P. O. BOX 4000
THE WOODLANDS, TX 77380-4000

MS. PATRICIA PENROSE SCHIEFFER, TRUSTEE
ATTN: J. THOMAS SCHIEFFER
1000 BALLPARK WAY, #300
ARLINGTON, TX 76102

MR. FRANK A. SCHULTZ
LINCOLN PLAZA, #2160 LO-1
500 N. ARARD
DALLAS, TX 75606-4079

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVE.
DALLAS, TX 75206-4079

MR. J. GLENN TURNER, JR
3131 TURTLE CREEK BLVD., #1201
DALLAS, TX 57219

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P. O. BOX 660197
DALLAS, TX 75266-0197

MR. JOHN TURNER
P. O. BOX 33610
KERRVILLE, TX 78029-3610

THE WISER OIL COMPANY
ATTN: LAURIE BLOCK
8115 PRESTON RD., #400
DALLAS, TX 75225

MR. WILLIAM G. WEBB
8226 DOUGLAS AVENUE, SUITE 709
DALLAS, TX 75225-5929

PHILLIPS PETROLEUM COMPANY
ATTN: S. SCOTT PRATHER
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

WILLIAMS PRODUCTION COMPANY
ONE OF THE WILLIAMS COMPANIES, INC.

July 14, 1998

Bureau of Land Management
Assistant District Manager, Minerals
Farmington Resources Area
1235 La Plata Highway
Farmington, NM 87401

Commissioner of Public Land
State of New Mexico
Attention: Mr. Floyd Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attention: Mr. William J. Lemay
2040 S. Pacheco
Santa Fe, NM 87505

Re: Rosa Unit Sec.I No.587
San Juan and Rio Arriba Counties, New Mexico
First Supplemental 1998 Plan of Development

Gentlemen:

By letter dated February 23, 1998, Williams Production Company, as Unit Operator, filed the 1998 Plan of Development for the Rosa Unit.

Subsequent to filing the 1998 Plan of Development, it has been proposed that the following well be drilled during 1998:

Well Name	Formation	Spacing
Rosa Unit #339	Fruitland Coal	E/2 Sec.32,T32N,R6W

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,
Williams Production Company

M. Vern Hansen
Senior Landman

Enclosures:

cc: Working Interest Owners

APPROVED_____ DATE___

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the Commissioner of Public Lands
and the Oil Conservation Commission

APPROVED_____ DATE_____

Commissioner of Public Lands
Subject to like approval by the Area Oil and Gas Supervisor
and the Oil Conservation Commission

APPROVED Roy E. Johnson DATE 7/20/98

Oil Conservation Commission
Subject to like approval by the Area Oil and Gas Supervisor
and the Oil Conservation Commission

The foregoing approvals are for the First Supplemental 1998 Plan of Development for the Rosa Unit I, Sec. No.587

WORKING INTEREST OWNERS

ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: HILARY SEARLES
P O BOX 800
DENVER, CO 80201

MS. ELIZABETH T. CALLOWAY
4801 ST. JOHNS DR.
DALLAS, TX 75205

COASTAL OIL & GAS CORPORATION
ATTN: BART VAHLS
P. O. BOX 719
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THE WOODLANDS, TX 77380-4000

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ATTN: J. THOMAS SCHIEFFER
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ARLINGTON, TX 76102

MR. FRANK A. SCHULTZ
LINCOLN PLAZA, #2160 LO-1
500 N. ARARD
DALLAS, TX 75606-4079

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVE.
DALLAS, TX 75206-4079

MR. J. GLENN TURNER, JR
3131 TURTLE CREEK BLVD., #1201
DALLAS, TX 57219

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P. O. BOX 660197
DALLAS, TX 75266-0197

MR. JOHN TURNER
P. O. BOX 33610
KERRVILLE, TX 78029-3610

THE WISER OIL COMPANY
ATTN: LAURIE BLOCK
8115 PRESTON RD., #400
DALLAS, TX 75225

MR. WILLIAM G. WEBB
8226 DOUGLAS AVENUE, SUITE 709
DALLAS, TX 75225-5929

PHILLIPS PETROLEUM COMPANY
ATTN: S. SCOTT PRATHER
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

COMMERCIAL RESOURCES
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ROYALTY
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State of New Mexico
Commissioner of Public Lands
Ray Powell, M.S., D.V.M.
310 Old Santa Fe Trail, P. O. Box 1148
Santa Fe, New Mexico 87504-1148
Phone (505)-827-5760, Fax (505)-827-5766

PUBLIC AFFAIRS
(505)-827-5765

ADMINISTRATIVE MGMT.
(505)-827-5700

LEGAL
(505)-827-5713

PLANNING
(505)-827-5752

August 5, 1998

Williams Production Company
One Williams Center
P.O. Box 3102
Tulsa, Oklahoma 74101

Attn: Mr. M. Vern Hansen

Re: 1998 Plan of Development
Rosa Unit
San Juan and Rio Arriba Counties, New Mexico

Dear Mr. Hansen:

The Commissioner of Public Lands has, of this date, approved the above-captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the unit area and the need for further development of the unit may exist. You may be contacted at a later date regarding these possibilities.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY:
JAMI BAILEY, Director
Oil, Gas and Minerals Division
(505) 827-5744

RP/JB/cpm
cc: Reader File OCD BLM

File

133

WILLIAMS PRODUCTION COMPANY
ONE OF THE WILLIAMS COMPANIES, INC.

February 23, 1998

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico
Oil Conservation Commission
2040 South Pacheco
Santa Fe, New Mexico 87505

State of New Mexico
Commissioner of Public Lands
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

Re: Rosa Unit 1, Sec.No.587
San Juan and Rio Arriba Counties, New Mexico
1998 Plan of Development

Gentlemen:

By letters of March 11 and August 26, 1997, Williams Production Company, as Unit Operater, filed the 1997 Plan of Development for the referenced Unit. The Plan of Development indicated that the Rosa Unit #96 would be completed in the Mesaverde and dualled with the existing Dakota production, the Rosa Unit #125, #131 and #132 would be plugged back from the Dakota and completed in the Mesaverde, and the Rosa Unit 66M Mesaverde/Dakota formation well and the Rosa Unit #337 and #338 Fruitland Coal formation wells would be drilled in 1997. The Rosa Unit #96 Mesaverde completion has been cancelled. The Rosa Unit #131 was plugged and abandoned, the Rosa Unit #337 and #338 Fruitland Coal formation wells were drilled and completed. The Rosa Unit 66M Mesaverde/Dakota formation well and the Rosa Unit #125 and #132 Mesaverde recompletions will be carried over to the 1998 Plan of Development for the Rosa Unit.

The Participating Areas which have been established in the Rosa Unit are as follows:

Formation	Revision	Effective
Mesaverde	Fifteenth	January 1, 1983
Dakota	Ninth	January 1, 1992

Attached are maps of each of the producing formations within the Rosa Unit showing the boundaries of the Participating Areas as applicable. There were no wells commingled within the Rosa Unit during 1997.

One Williams Center • P. O. Box 3102 • Tulsa, Oklahoma 74101
(918) 588-4592

Pursuant to Section 9 of the Rosa Unit Agreement, Williams Production Company, as Unit Operator, is submitting a Plan of Development providing for the completion of the following wells during 1998 in addition to the proposed operations listed above:

Well Number	Drilling Block	Formation
Rose Unit #12A	E/2 Sec.15, T31N,R6W	Mesaverde
Rosa Unit #29M (MV/	E/2 Sec.32, T32N,R6W	Mesaverde
DK Dual)	E/2 Sec.32, T32N,R6W	Dakota
Rosa Unit #44	W/2 Sec.35, T32N,R6W	Mesaverde
Rosa Unit #72A	All Sec.6, T31N,R5W	Mesaverde
Rosa Unit #91A	E/2 Sec.35, T32N,R6W	Mesaverde
Rosa Unit #139A	W/2 Sec.17, T31N,R6W	Mesaverde
Rosa Unit #147A	N/2 Sec.33, T31N,R5W	Mesaverde
Rosa Unit Com.#148A	All Sec.2, T31N,R6W	Mesaverde
Rosa Unit #149A	N/2 Sec.12, T31N,R6W	Mesaverde
Rosa Unit #150A	W/2 Sec.32, T32N,R6W	Mesaverde
Rosa Unit #151A	W/2 Sec.33, T32N,R6W	Mesaverde
Rosa Unit #152A	W/2 Sec.36, T32N,R6W	Mesaverde
Rosa Unit #154	S/2 Sec.7, T31N,R5W	Mesaverde
Rosa Unit #156	E/2 Sec.9, T31N,R6W	Mesaverde
Rosa Unit #156A	E/2 Sec.9, T31N,R6W	Mesaverde
Rosa Unit #160	S/2 Sec.25, T31N,R6W	Mesaverde
Rosa Unit #160A	S/2 Sec.25, T31N,R6W	Mesaverde
Rosa Unit #167	E/2 Sec.8, T31N,R6W	Mesaverde
Rosa Unit #168	E/2 Sec.28, T31N,R5W	Mesaverde
Rosa Unit #170	S/2 Sec.21, T31N,R6W	Mesaverde

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided in the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

M. Vern Hansen

M. Vern Hansen
Senior Landman

Enclosures:

cc: Working Interest Owners
Mike Turnbaugh
Kris Russell
Tony Scheiper

APPROVED: _____ DATE: _____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED: _____ DATE: _____
Commissioner of Public Lands
Subject to like approval by the Area
Oil and Gas Supervisor and the Oil
Conservation Commission

APPROVED: By E. Johnson DATE: 2/25/98
Oil Conservation Commission
Subject to like approval by the Area
Oil and Gas Supervisor and the
Commissioner of Public Lands

The foregoing approvals are for the 1998 Plan of Development for the Rosa Unit I, Section No.587.

WORKING INTEREST OWNERS

ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: HILARY SEARLES
P O BOX 800
DENVER, CO 80201

MS. ELIZABETH T. CALLOWAY
4801 ST. JOHNS DR.
DALLAS, TX 75205

COASTAL OIL & GAS CORPORATION
ATTN: BART VAHLS
P. O. BOX 719
BELLAIRE, TX 77402-0719

J. K. EDWARDS ASSOCIATES
ATTN: KEITH EDWARDS
1401 17TH STREET, SUITE 1400
DENVER, CO 80202

FUEL RESOURCES DEVELOPMENT COMPANY
1225 SEVENTEENTH ST., #2100
DENVER, CO 80202

MITCHELL ENERGY CORPORATION
ATTN: LARRY CUNNINGHAM
P. O. BOX 4000
THE WOODLANDS, TX 77380-4000

MS. PATRICIA PENROSE SCHIEFFER, TRUSTEE
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DALLAS, TX 75206-4079

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DALLAS, TX 57219

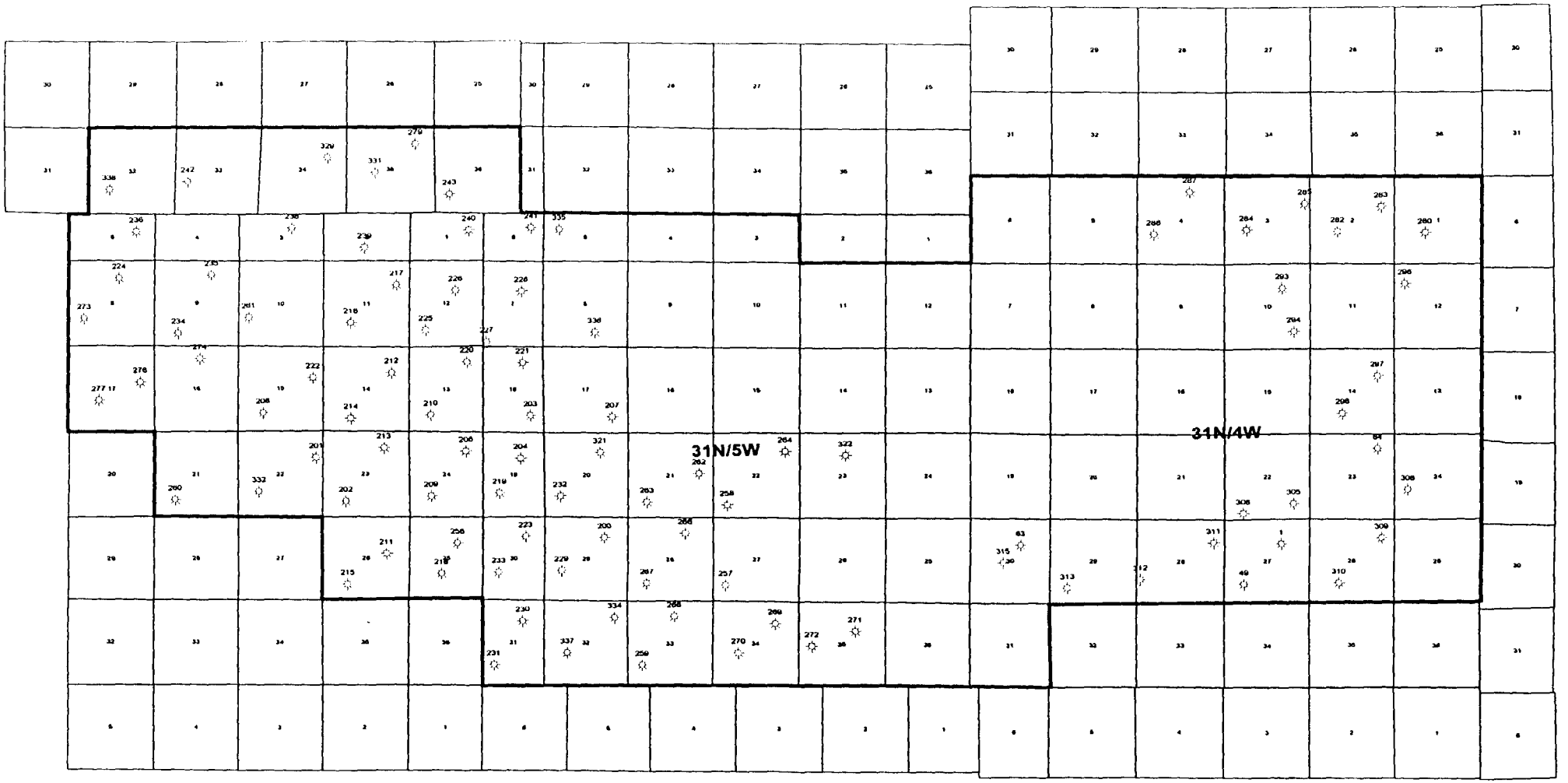
MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P. O. BOX 660197
DALLAS, TX 75266-0197

MR. JOHN TURNER
P. O. BOX 33610
KERRVILLE, TX 78029-3610

THE WISER OIL COMPANY
ATTN: LAURIE BLOCK
8115 PRESTON RD., #400
DALLAS, TX 75225

MR. WILLIAM G. WEBB
1525 ELM ST., 26TH FLOOR
DALLAS, TX 75225

PHILLIPS PETROLEUM COMPANY
ATTN: SCOTT PRATHER
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401



Williams

ROSA UNIT
FRUITLAND COAL FORMATION WELLS

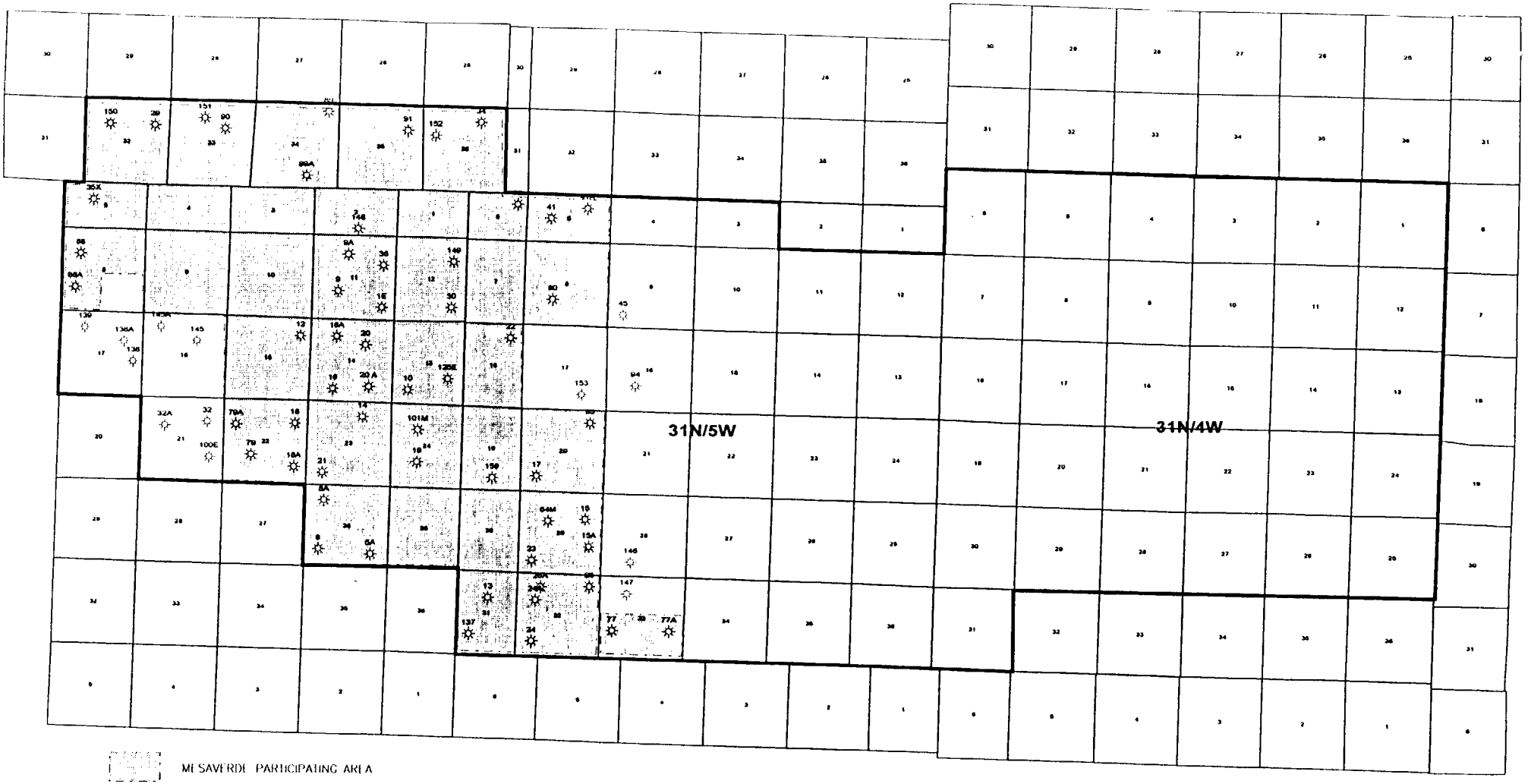
		2/3/98
	Scale 1:112131.37	

Williams

ROSA UNIT
PICTURED CLIFFS FORMATION WELLS

2/3/98

Scale 1:111714.94

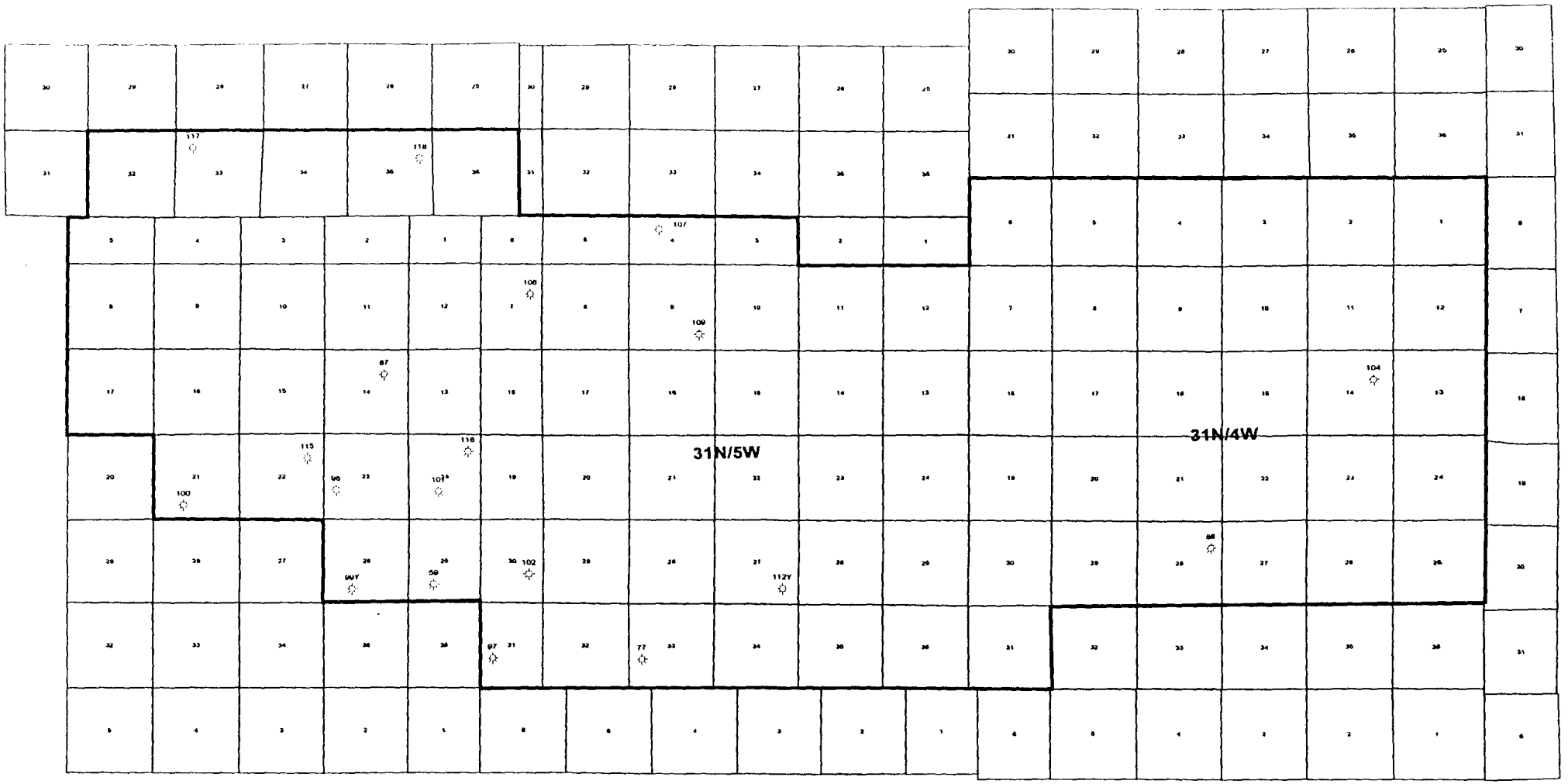


MESAVERDE PARTICIPATING AREA

Williams

ROSA UNIT
MESAVERDE FORMATION WELLS

		2/3/98
	Scale 1:111714.94	

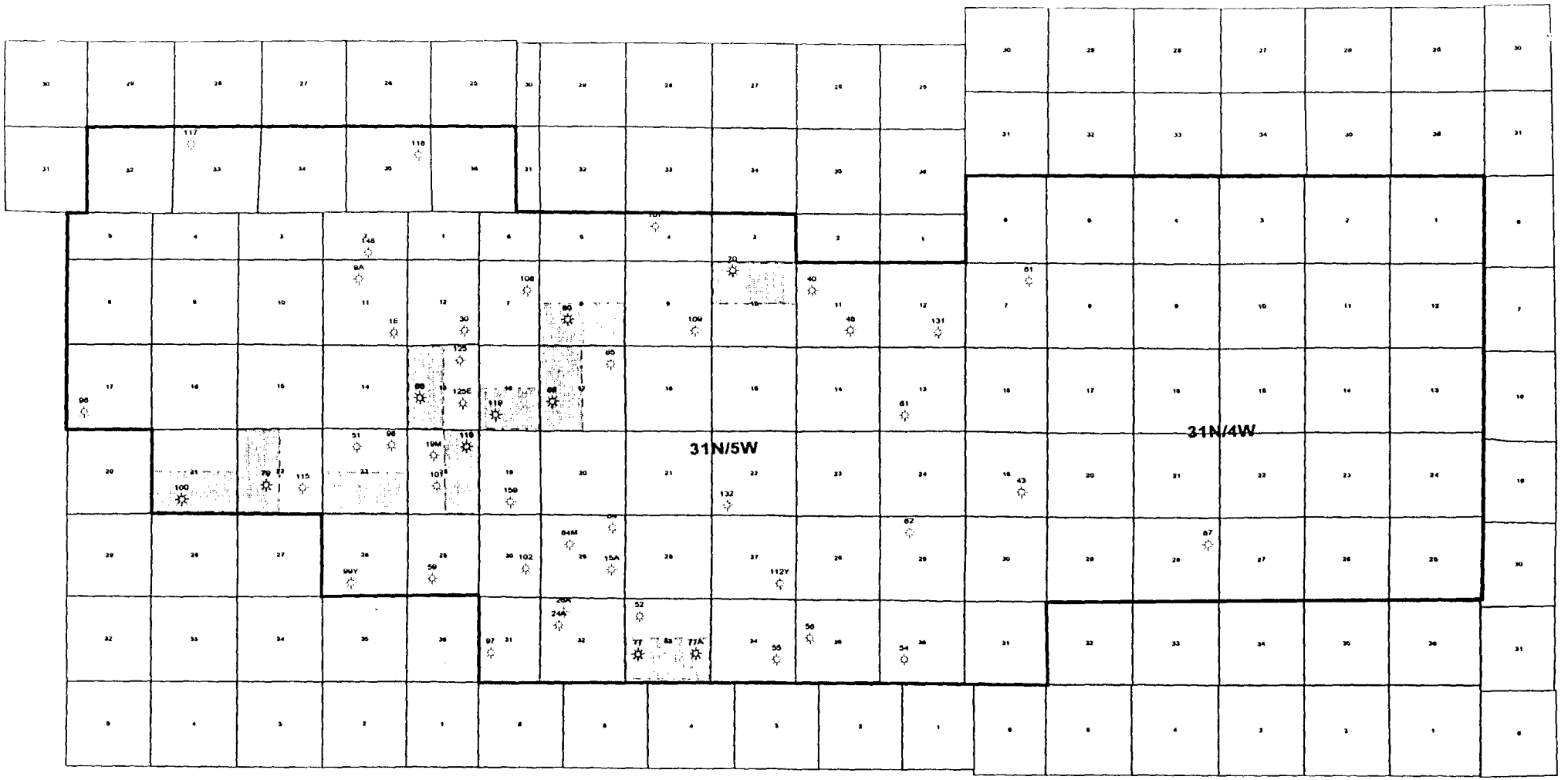


Williams

ROSA UNIT
GALLUP FORMATION WELLS

2/3/98

Scale 1:111714.94



Williams

ROSA UNIT
DAKOTA FORMATION WELLS

2/3/98

Scale 1:111714.94

COMMERCIAL RESOURCES
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State of New Mexico
Commissioner of Public Lands
Ray Powell, M.S., D.V.M.
310 Old Santa Fe Trail, P. O. Box 1148
Santa Fe, New Mexico 87504-1148
Phone (505)-827-5760, Fax (505)-827-5766

PUBLIC AFFAIRS
(505)-827-5765

ADMINISTRATIVE MGMT.
(505)-827-5700

LEGAL
(505)-827-5713

PLANNING
(505)-827-5752

November 10, 1997

Williams Production Company
One William Center
P.O. Box 3102
Tulsa, Oklahoma 74101

Attn: Mr. M. Vern Hansen

Re: 1997 Plan of Development
Rosa Unit
San Juan and Rio Arriba Counties, New Mexico

Dear Mr. Hansen:

The Commissioner of Public Lands has, of this date, approved the above-captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the unit area and the need for further development of the unit may exist. You may be contacted at a later date regarding these possibilities.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY:
JAMI BAILEY, Director
Oil. Gas and Minerals Division
(505) 827-5744

RP/JB/cpm
xc: Reader File OCD BLM

123

WILLIAMS PRODUCTION COMPANY
ONE OF THE WILLIAMS COMPANIES, INC.

October 1, 1997

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

State of New Mexico
Oil Conservation Division
Attn: Mr. William J. Lemay
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87504-2088

OCT 1 A 1997

Re: Rosa Unit I - Sec.No.587
Commerciality Determination
Rosa Unit #125E Dakota Formation Well
Rio Arriba County, New Mexico

Gentiemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement, Williams Production Company as Rosa Unit Operator has determined that the Rosa Unit #125E well is capable of producing unitized substances in paying quantities from the Dakota Formation. A summary of production and economic data is attached.

Please be advised that the commerciality determinations for the Rosa Unit #1E, #15A, #96 and #148 Dakota Formation wells will be forthcoming. The determination of paying well status of these wells may create intervening Dakota Participating Area Expansions from that of the Rosa Unit #125E well.

Upon approval of this Commerciality Determination and Commerciality Determinations of the wells listed above, Participating Area Schedules will be submitted to the Working Interest Owners and Governmental Agencies in accordance with the terms and provisions of the Rosa Unit Agreement and Rosa Unit Accounting Agreement.

Copies of this submittal are being sent to the working interest owners listed on the attached sheet.

Should you have any questions or comments, please call me at (918) 561-6169.

Sincerely,

M. Vern Hansen

M. Vern Hansen
Senior Landman

One Williams Center • P. O. Box 3102 • Tulsa, Oklahoma 74101
(918) 588-4592

Rosa Unit I - Sec.No.587
Dakota Formation
Working Interest Owners

Amoco Production Company
Attn: Mr. Bob Wilbanks
1670 Broadway
Denver, Colorado 80201

Mitchell Energy Corporation
Attn: Mr. John Galloway
P.O. Box 4000
The Woodlands, Texas 77380

"Commerciality Determination for Rosa Unit #125E Dakota Well;" 9/22/97

Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	YEAR	GROSS Production(1 well)							Gas Price	G&P Fee	NET Price	Oil Price	GROSS Income	Royalty Burdens		After Royalty INCOME	GROSS Annual Operating Costs			
		Day	MCF Year	Decline	Oil Year	Day	Water Year	Decline	$/MCF	$/MCF	$/MCF	$/BBl	$$/YR.	%	$$/YR.	M$	$$/MCF	$$/year	$/BBl	Total $$/YR.
	0	D.ed 12/9																		
	1995	108	39,238	50%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$58,856	12.50%	$7,357	$51,499		$7,200	$1.00	$7,565
	1996	910	332,077	25%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$498,116	12.50%	$62,264	$435,851	$0.00	$7,200	$1.00	$7,565
	1997	635	231,775	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$347,663	12.50%	$43,458	$304,205	$0.00	$7,200	$1.00	$7,565
	1998	591	215,551	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$323,326	12.50%	$40,416	$282,910	$0.00	$7,200	$1.00	$7,565
	1999	549	200,462	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$300,693	12.50%	$37,587	$263,107	$0.00	$7,200	$1.00	$7,565
	2000	511	186,430	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$279,645	12.50%	$34,956	$244,689	$0.00	$7,200	$1.00	$7,565
	2001	475	173,380	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$260,070	12.50%	$32,509	$227,561	$0.00	$7,200	$1.00	$7,565
	2002	442	161,243	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$241,865	12.50%	$30,233	$211,632	$0.00	$7,200	$1.00	$7,565
	2003	411	149,956	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$224,934	12.50%	$28,117	$196,817	$0.00	$7,200	$1.00	$7,565
	2004	382	139,459	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$209,189	12.50%	$26,149	$183,040	$0.00	$7,200	$1.00	$7,565
	2005	355	129,697	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$194,546	12.50%	$24,318	$170,227	$0.00	$7,200	$1.00	$7,565
	2006	330	120,618	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$180,927	12.50%	$22,616	$158,311	$0.00	$7,200	$1.00	$7,565
	2007	307	112,175	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$168,262	12.50%	$21,033	$147,230	$0.00	$7,200	$1.00	$7,565
	2008	286	104,323	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$156,484	12.50%	$19,561	$136,924	$0.00	$7,200	$1.00	$7,565
	2009	266	97,020	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$145,530	12.50%	$18,191	$127,339	$0.00	$7,200	$1.00	$7,565
	2010	247	90,229	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$135,343	12.50%	$16,918	$118,425	$0.00	$7,200	$1.00	$7,565
	2011	230	83,913	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$125,869	12.50%	$15,734	$110,135	$0.00	$7,200	$1.00	$7,565
	2012	214	78,039	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$117,058	12.50%	$14,632	$102,426	$0.00	$7,200	$1.00	$7,565
	2013	199	72,576	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$108,864	12.50%	$13,608	$95,256	$0.00	$7,200	$1.00	$7,565
	2014	185	67,496	7%	-	1	365	0%	$ 1.50	$ -	$ 1.50	$ 22.00	$101,244	12.50%	$12,655	$88,588	$0.00	$7,200	$1.00	$7,565
			2,785,656		-		7,300						$4,178,484			$3,656,174				

IRR = 48.01%

NOTES: Guidelines for "ECONOMIC" Reserves; Average Yearly Price FLAT, NO Inflation, Discount Rate =8%

Drilling costs were estimated at $360,000 GROSS for the Dakota from daily drilling reports

Volumes for 1995 & 1996 are actual production, 1997 forward based on estimates.

file:C:\MIKET\ROSA125E.xls

"Commerciality Determination for Rosa Unit #125E Dakota Well;" 9/22/97

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Production Taxes		TOTAL	Net Oper.	TOTAL	"Tangible"		Depreciation		"IN-Tangible"	TOTAL	TAXABLE	Income Tax		Tax Credit		Consent	
		Costs	Income	Investment	Investment		Rate		Investment	Deductions	INCOME	Rate				CASHFLOW	CASHFLOW
%	$/YR.	$/YR.	$/YR.		$/YR.	TOTAL	%	$/YR.	$/YR.	$/YR.	M$	%	$/YR.	$/MCF	$/YR.	$/YR.	Running Total
				$351,000							$0					($351,000)	($351,000)
11.75%	$6,051	$13,616	$37,883		$140,400	$140,400	5.36%	$7,525	$210,600	$218,125	($180,242)	25.0%	($45,061)	$0.00	$0	$82,944	($268,056)
11.75%	$51,212	$58,777	$377,074		$0	$0	10.14%	$14,237	$0	$14,237	$362,837	25.0%	$90,709	$0.00	$0	$286,364	$18,308
11.75%	$35,744	$43,309	$260,896		$0	$0	9.05%	$12,706	$0	$12,706	$248,189	25.0%	$62,047	$0.00	$0	$198,848	$217,156
11.75%	$33,242	$40,807	$242,103		$0	$0	8.08%	$11,344	$0	$11,344	$230,759	25.0%	$57,690	$0.00	$0	$184,414	$401,570
11.75%	$30,915	$38,480	$224,627		$0	$0	7.22%	$10,137	$0	$10,137	$214,490	25.0%	$53,622	$0.00	$0	$171,004	$572,574
11.75%	$28,751	$36,316	$208,373		$0	$0	6.44%	$9,042	$0	$9,042	$199,331	25.0%	$49,833	$0.00	$0	$158,540	$731,114
11.75%	$26,738	$34,303	$193,258		$0	$0	6.32%	$8,873	$0	$8,873	$184,384	25.0%	$46,096	$0.00	$0	$147,161	$878,276
11.75%	$24,867	$32,432	$179,200		$0	$0	6.32%	$8,873	$0	$8,873	$170,327	25.0%	$42,582	$0.00	$0	$136,618	$1,014,894
11.75%	$23,126	$30,691	$166,126		$0	$0	6.32%	$8,873	$0	$8,873	$157,253	25.0%	$39,313	$0.00	$0	$126,813	$1,141,707
11.75%	$21,507	$29,072	$153,968		$0	$0	6.32%	$8,873	$0	$8,873	$145,095	25.0%	$36,274	$0.00	$0	$117,694	$1,259,402
11.75%	$20,002	$27,567	$142,661		$0	$0	6.32%	$8,873	$0	$8,873	$133,787	25.0%	$33,447	$0.00	$0	$109,214	$1,368,615
11.75%	$18,602	$26,167	$132,145		$0	$0	6.32%	$8,873	$0	$8,873	$123,272	25.0%	$30,818	$0.00	$0	$101,327	$1,469,942
11.75%	$17,299	$24,864	$122,365		$0	$0	6.32%	$8,873	$0	$8,873	$113,492	25.0%	$28,373	$0.00	$0	$93,992	$1,563,935
11.75%	$16,089	$23,654	$113,270		$0	$0	6.32%	$8,873	$0	$8,873	$104,397	25.0%	$26,099	$0.00	$0	$87,171	$1,651,105
11.75%	$14,962	$22,527	$104,812		$0	$0	3.16%	$4,437	$0	$4,437	$100,375	25.0%	$25,094	$0.00	$0	$79,718	$1,730,823
11.75%	$13,915	$21,480	$96,945		$0	$0			$0	$0	$96,945	25.0%	$24,236	$0.00	$0	$72,709	$1,803,532
11.75%	$12,941	$20,506	$89,630		$0	$0			$0	$0	$89,630	25.0%	$22,407	$0.00	$0	$67,222	$1,870,754
11.75%	$12,035	$19,600	$82,826		$0	$0			$0	$0	$82,826	25.0%	$20,706	$0.00	$0	$62,119	$1,932,874
11.75%	$11,193	$18,758	$76,499		$0	$0			$0	$0	$76,499	25.0%	$19,125	$0.00	$0	$57,374	$1,990,248
11.75%	$10,409	$17,974	$70,614		$0	$0			$0	$0	$70,614	25.0%	$17,654	$0.00	$0	$52,981	$2,043,208
			$3,075,273			$140,400	100%	$140,414	$210,600	$351,014	$2,724,259		$681,065			$2,043,208	

IRR = 48.01%

NPV @ 0% = $2,043,208

NPV @ 8 %= $1,014,675

$/MCF@ 0%= $0.73

135

WILLIAMS PRODUCTION COMPANY
ONE OF THE WILLIAMS COMPANIES, INC.

August 26, 1997

Bureau of Land Management
Assistant District Manager, Minerals
Farmington Resources Area
1235 La Plata Highway
Farmington, NM 87401

Commissioner of Public Land
State of New Mexico
Attention: Mr. Floyd Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attention: Mr. William J. Lemay
2040 S. Pacheco
Santa Fe, NM 87505

29

Re: Rosa Unit Sec.I No.587
San Juan and Rio Arriba Counties, New Mexico
First Supplemental 1997 Plan of Development

Gentlemen:

By letter dated March 11, 1997, Williams Production Company, as Unit Operator, filed the 1997 Plan of Development for the Rosa Unit.

Subsequent to filing the 1997 Plan of Development, it has been proposed that the following wells be drilled during 1997:

Well Name	Formation	Spacing
Rosa Unit #66M	Mesaverde	W/2 Sec.13,T31N,R6W
	Dakota	W/2 Sec.13,T31N,R6W
Rosa Unit #337	Fruitland Coal	W/2 Sec.32,T31N,R5W
Rosa Unit #338	Fruitland Coal	W/2 Sec.32,T32N,R6W

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

One Williams Center • P. O. Box 3102 • Tulsa, Oklahoma 74101
(918) 588-4592

If this Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,
Williams Production Company

M. Vern Hansen
Senior Landman

Enclosures:

cc: Working Interest Owners
Bob Revella
Mike Turnbaugh
Bryan Guderian
Landy Fullmer
Bob McElhattan
Connie Carling
Kris Russell
Lori Fortner
Lance Hobbs
Tony Scheifer

APPROVED_____ DATE_____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the Commissioner of Public Lands
and the Oil Conservation Commission

APPROVED_____ DATE_____

Commissioner of Public Lands
Subject to like approval by the Area Oil and Gas Supervisor
and the Oil Conservation Commission

APPROVED_____ DATE 8/29/97

Oil Conservation Commission
Subject to like approval by the Area Oil and Gas Supervisor
and the Oil Conservation Commission

The foregoing approvals are for the First Supplemental 1997 Plan of Development for the Rosa Unit I, Sec. No.587

WORKING INTEREST OWNERS

ROSA UNIT SEC.1 NO. 587

AMOCO PRODUCTION COMPANY
ATTN: BOB WILBANKS
P O BOX 800
DENVER, CO 80201

MS. ELIZABETH T. CALLOWAY
4801 ST. JOHNS DR.
DALLAS, TX 75205

COASTAL OIL & GAS CORPORATION
ATTN: DWAYNE G. JAMMAL
P. O. BOX 719
BELLAIRE, TX 77402-0719

EVERGREEN RESOURCES
ATTN: JOHN BUCKLEY
1512 LARIMER ST., #1000
DENVER, CO 80202

HALLWOOD PETROLEUM
4582 S. ULSTER ST. PARKWAY, STE.1700
DENVER, CO 80237

MITCHELL ENERGY CORPORATION
ATTN: LARRY CUNNINGHAM
P. O. BOX 4000
THE WOODLANDS, TX 77380-4000

MS. PATRICIA PENROSE SCHIEFFER, TRUSTEE
ATTN: J. THOMAS SCHIEFFER
1000 BALLPARK WAY, #300
ARLINGTON, TX 76102

MR. FRANK A. SCHULTZ
LINCOLN PLAZA, #2160 LO-1
500 N. ARARD
DALLAS, TX 75606-4079

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVE.
DALLAS, TX 75206-4079

MR. J. GLENN TURNER, JR
3131 TURTLE CREEK BLVD., #1201
DALLAS, TX 57219

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P. O. BOX 660197
DALLAS, TX 75266-0197

MR. JOHN TURNER
P. O. BOX 33610
KERRVILLE, TX 78029-3610

THE WISER OIL COMPANY
ATTN: LAURIE BLOCK
8115 PRESTON RD., #400
DALLAS, TX 75225

MR. WILLIAM G. WEBB
1525 ELM ST., 26TH FLOOR
DALLAS, TX 75225

PHILLIPS PETROLEUM COMPANY
ATTN: S. SCOTT PRATHER
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

COMMERCIAL RESOURCES
(505)-827-5724

SURFACE RESOURCES
(505)-827-5793

MINERAL RESOURCES
(505)-827-5744

ROYALTY
(505)-827-5772

State of New Mexico
Commissioner of Public Lands
Ray Powell, M.S., D.V.M.
310 Old Santa Fe Trail, P. O. Box 1148
Santa Fe, New Mexico 87504-1148
Phone (505)-827-5760, Fax (505)-827-5766

PUBLIC AFFAIRS
(505)-827-5765

ADMINISTRATIVE MGMT.
(505)-827-5700

LEGAL
(505)-827-5713

PLANNING
(505)-827-5752

March 17, 1997

Williams Production Company
One Williams Center
P.O. Box 3102
Tulsa, Oklahoma 74101

Attn: Mr. M. Vern Hansen

Re: 1997 Plan of Development
Rosa Unit
San Juan and Rio Arriba Counties, New Mexico

Dear Mr. Hansen:

The Commissioner of Public Lands has, of this date, approved the above-captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the unit area and the need for further development of the unit may exist. You may be contacted at a later date regarding these possibilities.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY:
JAMI BAILEY, Director
Oil, Gas and Minerals Division
(505) 827-5744

RP/JB/cpm
cc: Reader File OCD BLM

133

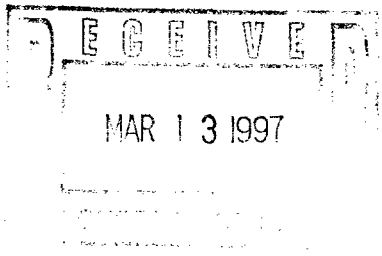
WILLIAMS PRODUCTION COMPANY
ONE OF THE WILLIAMS COMPANIES, INC.

March 11, 1997

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico
Oil Conservation Commission
2040 S. Pacheco
Santa Fe, NM 87505

State of New Mexico
Commissioner of Public Lands
P.O. Box 1148
Santa Fe, NM 87504-1148



Re: Rosa Unit 1, Sec.No.587
San Juan and Rio Arriba Counties, New Mexico
1997 Plan of Development

Gentlemen:

By letters of January 24 and May 16, 1996, Williams Production Company, as Unit Operator, filed the 1996 Plan of Development for the referenced Unit. The Plan of Development indicated that 13 Mesaverde formation wells and 7 Mesaverde-Dakota formation dual wells would be drilled during 1996. The Rosa Unit #9A, #24A, #26A. #30, #64M (well number changed from #23A), #101M (well number changed from #19A) and #159 Mesaverde-Dakota formation dual wells were drilled and completed during 1996. The remainder of the wells were not drilled and are dropped from the 1997 Plan of Development for the Rosa Unit.

The participating areas which have been established in the Rosa Unit are as follows:

Formation	Revision	Effective
Mesaverde	Fifteenth	January 1, 1983
Dakota	Ninth	January 1, 1992

Pursuant to Section 9 of the Rosa Unit Agreement, Williams Production Company, as Unit Operator, is submitting a Plan of Development providing for the recompletion of the following wells during 1997:

Well Number	Drilling Block	Formation
Rosa Unit #96	W/2 Sec.17, T31N,R6W	Complete Mesaverde and dual with existing Dakota
Rosa Unit #125	E/2 Sec.13, T31N,R6W	Plug back from Dakota, complete Mesaverde
Rosa Unit #131	E/2 Sec.12, T31N,R5W	Plug back from Dakota, complete Mesaverde
Rosa Unit #132	W/2 Sec.22, T31N,R5W	Plug back from Dakota, complete Mesaverde

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided in the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

M. Vern Hansen
Senior Landman

Enclosures:

cc: Working Interest Owners
Bryan Guderian
Mike Turnbaugh

APPROVED: _____ DATE: _____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED: _____ DATE: _____

Commissioner of Public Lands
Subject to like approval by the Area
Oil and Gas Supervisor and the Oil
Conservation Commission

APPROVED: _____ DATE: 3/14/97

Oil Conservation Commission
Subject to like approval by the Area
Oil and Gas Supervisor and the
Commissioner of Public Lands

The foregoing approvals are for the 1997 Plan of Development for the Rosa Unit I, Section No.587.

WORKING INTEREST OWNERS

ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: BOB WILLBANKS
P O BOX 800
DENVER, CO 80201

MS. ELIZABETH T. CALLOWAY
4801 ST. JOHNS DR.
DALLAS, TX 75205

COASTAL OIL & GAS CORPORATION
ATTN: DWAYNE G. JAMMAL
P. O. BOX 719
BELLAIRE, TX 77402-0719

EVERGREEN RESOURCES
ATTN: JOHN BUCKLEY
1512 LARIMER ST., #1000
DENVER, CO 80202

FUEL RESOURCES DEVELOPMENT COMPANY
1225 SEVENTEENTH ST., #2100
DENVER, CO 80202

MITCHELL ENERGY CORPORATION
ATTN: MR. TERRI PETERSON
P. O. BOX 4000
THE WOODLANDS, TX 77380-4000

MS. PATRICIA PENROSE SCHIEFFER, TRUSTEE
ATTN: J. THOMAS SCHIEFFER
1000 BALLPARK WAY, #300
ARLINGTON, TX 76102

MR. FRANK A. SCHULTZ
LINCOLN PLAZA, #2160 LO-1
500 N. ARARD
DALLAS, TX 75606-4079

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVE.
DALLAS, TX 75206-4079

MR. J. GLENN TURNER, JR
3131 TURTLE CREEK BLVD., #1201
DALLAS, TX 57219

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P. O. BOX 660197
DALLAS, TX 75266-0197

MR. JOHN TURNER
P. O. BOX 33610
KERRVILLE, TX 78029-3610

THE WISER OIL COMPANY
ATTN: LAURIE BLOCK
8115 PRESTON RD., #400
DALLAS, TX 75225

MR. WILLIAM G. WEBB
1525 ELM ST., 26TH FLOOR
DALLAS, TX 75225

PHILLIPS PETROLEUM COMPANY
ATTN: PAT NOAH
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

WILLIAMS PRODUCTION COMPANY
ONE OF THE WILLIAMS COMPANIES, INC.

May 16, 1996

Bureau of Land Management
Assistant District Manager, Minerals
Farmington Resources Area
1235 La Plata Highway
Farmington, NM 87401

Commissioner of Public Land
State of New Mexico
Attention: Mr. Floyd Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

✓ State of New Mexico
Oil Conservation Commission
Attention: Mr. William J. Lemay
2040 S. Pacheco
Santa Fe, NM 87505

Re: Rosa Unit Sec.I No.587
San Juan and Rio Arriba Counties, New Mexico
First Supplemental 1996 Plan of Development

Gentlemen:

By letter dated January 24, 1996, Williams Production Company, as Unit Operator, filed the 1996 Plan of Development for the Rosa Unit.

Subsequent to filing the 1996 Plan of Development, it has been proposed that the following 1996 Plan of Development Mesaverde formation wells be dually completed with the Dakota formation as shown below:

Well Name	Formation	Spacing
Rosa Unit #9A	Mesaverde	W/2 Sec.11,T31N,R6W
	Dakota	W/2 Sec.11,T31N,R6W
Rosa Unit #19A	Mesaverde	W/2 Sec.24,T31N,R6W
	Dakota	W/2 Sec.24,T31N,R6W
Rosa Unit #23A	Mesaverde	W/2 Sec.29,T31N,R5W
	Dakota	N/2 Sec.29,T31N,R5W
Rosa Unit #30	Mesaverde	S/2 Sec.12,T31N,R6W
	Dakota	S/2 Sec.12,T31N,R6W
Rosa Unit #159	Mesaverde	S/2 Sec.19,T31N,R5W
	Dakota	S/2 Sec.19,T31N,R5W

One Williams Center • P. O. Box 3102 • Tulsa, Oklahoma 74101
(918) 588-4592

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,
Williams Production Company

M. Vern Hansen
Senior Landman

Enclosures:

cc: Working Interest Owners
Brent W. Hale
Mike Turnbaugh
Bryan Guderian
Mark McCallister
Landy Fullmer
Bob McElhattan
Connie Carling
Kris Russell
Greg Bray
Lance Hobbs

APPROVED_____ DATE_____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the Commissioner of Public Lands
and the Oil Conservation Commission

APPROVED_____ DATE_____

Commissioner of Public Lands
Subject to like approval by the Area Oil and Gas Supervisor
and the Oil Conservation Commission

APPROVED Roy E. Johnson DATE 5/20/96

Oil Conservation Commission
Subject to like approval by the Area Oil and Gas Supervisor
and the Oil Conservation Commission

The foregoing approvals are for the First Supplemental 1996 Plan of Development for the Rosa Unit I, Sec. No.587

WORKING INTEREST OWNERS

ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: BOB WILLBANKS
P O BOX 800
DENVER, CO 80201

MR. JOHN BRENNAND
EXECUTOR OF ESTATE OF J.R. BRENNAND
P O BOX 6616
SANTA BARBARA, CA 93160

MS. ELIZABETH T. CALLOWAY
4801 ST. JOHNS DR.
DALLAS, TX 75205

COASTAL OIL & GAS CORPORATION
ATTN: DWAYNE G. JAMMAL
P. O. BOX 719
BELLAIRE, TX 77402-0719

MS. ANNE P. DICKSON
6140 DELOACHE
DALLAS, TX 75225

EVERGREEN RESOURCES
ATTN: JOHN BUCKLEY
1512 LARIMER ST., #1000
DENVER, CO 80202

MS. ELIZABETH P. FLETCHER
4855 N. MESA, #122
EL PASO, TX 79912

FUEL RESOURCES DEVELOPMENT COMPANY
1225 SEVENTEENTH ST., #2100
DENVER, CO 80202

MITCHELL ENERGY CORPORATION
ATTN: MR. TERRI PETERSON
P. O. BOX 4000
THE WOODLANDS, TX 77380-4000

MS. PATRICIA PENROSE SCHIEFFER, TRUSTEE
ATTN: J. THOMAS SCHIEFFER
1000 BALLPARK WAY, #300
ARLINGTON, TX 76102

MR. FRANK A. SCHULTZ
LINCOLN PLAZA, #2160 LO-1
500 N. ARARD
DALLAS, TX 75606-4079

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVE.
DALLAS, TX 75206-4079

MR. J. GLENN TURNER, JR
3131 TURTLE CREEK BLVD., #1201
DALLAS, TX 57219

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P. O. BOX 660197
DALLAS, TX 75266-0197

MR. JOHN TURNER
P. O. BOX 33610
KERRVILLE, TX 78029-3610

MS. LOIS J. WILLARD
P. O. BOX 5205
SANTA FE, NM 87502

THE WISER OIL COMPANY
ATTN: LAURIE BLOCK
8115 PRESTON RD., #400
DALLAS, TX 75225

MR. WILLIAM G. WEBB
1525 ELM ST., 26TH FLOOR
DALLAS, TX 75225

PHILLIPS PETROLEUM COMPANY
ATTN: PAT NOAH
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

#133

State of New Mexico
Commissioner of Public Lands

RAY POWELL, M.S., D.V.M.
COMMISSIONER

310 OLD SANTA FE TRAIL P.O. BOX 1148

SANTA FE, NEW MEXICO 87504-1148

(505) 827-5760
FAX (505) 827-5766

January 30, 1996

Williams Production Company
Post Office Box 3102
Tulsa, Oklahoma 74101

Attn: Mr. Darrell L. Gillen

Re: 1996 Plan of Development
Rosa Unit
San Juan & Rio Arriba Counties, New Mexico

Dear Mr. Gillen:

The Commissioner of Public Lands has this date approved the above-captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the unit may exist. You may be contacted at a later date regarding these possibilities.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY:
LARRY KEHOE, Director
Oil, Gas and Minerals Division
(505) 827-5744

RP/LK/cpm
Enclosure
cc: Reader File BLM OCD-Mr. Roy Johnson

WILLIAMS PRODUCTION COMPANY
ONE OF THE WILLIAMS COMPANIES, INC.

January 24, 1996

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Hwy.
Farmington, NM 87401

State of New Mexico Oil Conservation Commission
Attn: Mr. William J. LeMay
2040 S. Pacheco
Santa Fe, NM 87505

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, NM 87504-1148

RECEIVED
JAN 2 6 1996
Oil Conservation Division

RE: Rosa Unit I, Sec. No. 587
San Juan and Rio Arriba Counties, New Mexico
1996 Plan of Development

Gentlemen:

By letters of March 14, and May 2, 1995, Williams Production Company, as Unit Operator, filed the 1995 Plan of Development for the referenced Unit. The Plan of Development indicated that 13 Mesaverde formation wells and 4 Mesaverde - Dakota formation dual wells would be drilled during 1995. All Operations were completed on a timely basis.

The participating areas which have been established in the Rosa Unit are as follows:

Formation	Revision	Effective
Mesaverde	Fifteenth	January 1, 1983
Dakota	Ninth	January 1, 1992

Pursuant to Section 9 of the Rosa Unit Agreement, Williams Production Company, as Unit Operator is submitting a Plan of Development providing for the drilling of the following wells during 1996:

Well Number	Drilling Block	Formation
Rosa Unit #9A	W/2 Sec. 11, T31N, R6W	Mesaverde
Rosa Unit #14A	E/2 Sec. 23, T31N, R6W	Mesaverde
Rosa Unit #17A	S/2 Sec. 20, T31N, R5W	Mesaverde
Rosa Unit #19A	W/2 Sec. 24, T31N, R6W	Mesaverde
Rosa Unit #23A	W/2 Sec. 29, T31N, R5W	Mesaverde
Rosa Unit #24A (Mesaverde -	W/2 Sec. 32, T31N, R5W	Mesaverde
Dakota Dual)	W/2 Sec. 32, T31N, R5W	Dakota
Rosa Unit #26A (Mesaverde -	E/2 Sec. 32, T31N, R5W	Mesaverde
Dakota Dual)	E/2 Sec. 32, T31N, R5W	Dakota
Rosa Unit #30	S/2 Sec. 12, T31N, R6W	Mesaverde
Rosa Unit #31	W/2 Sec. 17, T31N, R5W	Mesaverde
Rosa Unit #44	W/2 Sec. 35, T32N, R6W	Mesaverde
Rosa Unit #72A	All Sec. 6, T31N, R5W	Mesaverde

Well Number	Drilling Block	Formation
Rosa Unit #91A	E/2 Sec. 35, T32N, R6W	Mesaverde
Rosa Unit #147A	N/2 Sec. 33, T31N, R5W	Mesaverde
Rosa Unit #149A	N/2 Sec. 12, T31N, R6W	Mesaverde
Rosa Unit #152A	W/2 Sec. 36, T32N, R6W	Mesaverde
Rosa Unit #154	S/2 Sec. 7, T31N, R5W	Mesaverde
Rosa Unit #155	S/2 Sec. 34, T31N, R5W	Mesaverde
Rosa Unit #156	E/2 Sec. 9, T31N, R6W	Mesaverde
Rosa Unit #159	S/2 Sec. 19, T31N, R5W	Mesaverde
Rosa Unit #160	S/2 Sec. 25, T31N, R6W	Mesaverde

Williams Production Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided in the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

WILLIAMS PRODUCTION COMPANY

Darrell L. Gillen
Manager, Leasehold Properties

Enclosure

cc: Working Interest Owners
Brent W. Hale
Mike Turnbaugh

DLG-018.:klk

APPROVED: _____ DATE: _____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the Commissioner of Public Lands
and the Oil Conservation Commission

APPROVED: _____ DATE: _____

Commissioner of Public Lands
Subject to like approval by the Area Oil and Gas Supervisor
and the Oil Conservation Commission

APPROVED: Roy E. Johnson DATE: 2-1-96

Oil Conservation Commission
Subject to like approval by the Area Oil and Gas Supervisor
and the Commissioner of Public Lands

The foregoing approvals are for the 1996 Plan of Development for the Rosa Unit I, Section No. 587.

WORKING INTEREST OWNERS

ROSA UNIT

AMOCO PRODUCTION COMPANY
ATTN: BOB WILLBANKS
P O BOX 800
DENVER, CO 80201

MR. JOHN BRENNAND
EXECUTOR OF ESTATE OF J.R. BRENNAND
P O BOX 6616
SANTA BARBARA, CA 93160

MS. ELIZABETH T. CALLOWAY
4801 ST. JOHNS DR.
DALLAS, TX 75205

COASTAL OIL & GAS CORPORATION
ATTN: NORMAN E. PORTER
P. O. BOX 719
BELLAIRE, TX 77402-0719

MS. ANNE P. DICKSON
6140 DELOACHE
DALLAS, TX 75225

EVERGREEN RESOURCES
ATTN: JOHN BUCKLEY
1512 LARIMER ST., #1000
DENVER, CO 80202

MS. ELIZABETH P. FLETCHER
4855 N. MESA, #122
EL PASO, TX 79912

FUEL RESOURCES DEVELOPMENT
COMPANY
1225 SEVENTHEENTH ST., #2100
DENVER, CO 80202

MITCHELL ENERGY CORPORATION
ATTN: MR. TERRI PETERSON
P. O. BOX 4000
THE WOODLANDS, TX 77380-4000

MS. PATRICIA PENROSE SCHIEFFER,
TRUSTEE
ATTN: J. THOMAS SCHIEFFER
1000 BALLPARK WAY, #300
ARLINGTON, TX 76102

MR. FRANK A. SCHULTZ
LINCOLN PLAZA, #2160 LO-1
500 N. ARARD
DALLAS, TX 75606-4079

MR. FRED E. TURNER
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVE.
DALLAS, TX 75206-4079

MR. J. GLENN TURNER, JR
3131 TURTLE CREEK BLVD., #1201
DALLAS, TX 57219

MR. J. GLENN TURNER, JR &
AMERITRUST, TRUSTEES FOR
MARY FRANCES TURNER, JR (6743)
P. O. BOX 2320
DALLAS, TX 75221-2320

MR. JOHN TURNER
P. O. BOX 797215
DALLAS, TX 75379-7215

MS. LOIS J. WILLARD
P. O. BOX 5205
SANTA FE, NM 87502

THE WISER OIL COMPANY
ATTN: LAURIE BLOCK
8115 PRESTON RD., #400
DALLAS, TX 75225

MR. WILLIAM G. WEBB
1525 ELM ST., 26TH FLOOR
DALLAS, TX 75225

PHILLIPS PETROLEUM COMPANY
ATTN: PAT NOAH
5525 HIGHWAY 64 NBU 3004
FARMINGTON, NM 87401

...N DIVISION
...FD
...NO ... RM 8 52

State of New Mexico
Commissioner of Public Lands

RAY POWELL, M.S., D.V.M.
COMMISSIONER

310 OLD SANTA FE TRAIL P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

(505) 827-5760
FAX (505) 827-5766

November 20, 1995

Williams Production Company
P.O. Box 3102
Tulsa, Oklahoma 74101

Attention: Mr. Vern Hansen

Re: Dissolvement of Unit Sub-Operator
Rosa Unit
Fruitland Formation
San Juan and Rio Arriba Counties, New Mexico

Dear Mr. Hansen:

This office is in receipt of your letter of October 31, 1995, wherein you have advised this office that Meridian Oil Inc. has relinquished its rights under the Designation of Sub-Operator dated August 25, 1989.

In view of the above, please be advised that effective November 3, 1995, Williams Production Company is now responsible for the development, operations and the reporting of all production from the Rosa Unit Fruitland Coal wells. This action is subject to like approval by the Bureau of Land Management.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY:
LARRY KEHOE, Director
Oil, Gas and Minerals Division
(505) 827-5744

RP/LK/cpm
cc: Reader File
Meridian Oil Inc.
OCD-Roy Johnson
TRD
BLM-Farmington

DIVISION
RECEIVED
95 NOV 6 AM 8 52

October 31, 1995

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, NM 87501-1148

Oil Conservation Division
State of New Mexico
2040 S. Pacheco
Santa Fe, NM 87505

Re: Rosa Unit, Sec. No. 587
Designation of Sub-Operator
Fruitland Formation
San Juan & Rio Arriba Counties, New Mexico

Gentlemen:

This is to advise that effective November 3, 1995, Meridian Oil Inc. relinquishes its rights under the Designation of Sub-Operator dated August 25, 1989.

Williams Production Company, as Unit Operator, will assume responsibility for the development and operation of all Fruitland Coal wells. The Farmout Agreement between Williams and Meridian has been dissolved. A listing of all wells affected is attached for your files.

If there are any questions regarding the relinquishment, please call Linda Donohue with Meridian at (505) 326-9760, or Vern Hansen with Williams at (918) 561-6169.

Yours very truly,

WILLIAMS PRODUCTION COMPANY

Date: 11-3-95

By: Darrell L Gillen
Darrell L. Gillen
Attorney-in-Fact

MERIDIAN OIL INC.

Date: 11-2-95

By: Robert T. Kennedy
Robert T. Kennedy
Attorney-in-Fact

ROSA UNIT FRUITLAND COAL WELLS
TO BE OPERATED BY WILLIAMS PRODUCTION COMPANY
EFFECTIVE 11/3/95

WELL ID	WELL NAME	SEC	TWN	RNG	UNIT	FORM	ST CNTRL NBR	FED CNTRL NBR
54511A	ROSA UNIT 63	30	031N	004W	G	FTC	007440	NMSF078777
38584A	ROSA UNIT 84	23	031N	004W	A	FTC	007440	NMSF078893
4377A	ROSA UNIT 200	29	031N	005W	B	FTC	007440	892000587X
4165A	ROSA UNIT 201	22	031N	006W	H	FTC	007440	NMSF078766
4735A	ROSA UNIT 202	23	031N	006W	N	FTC	007440	NMSF078771
14288A	ROSA UNIT 203	18	031N	005W	P	FTC	007440	NMSF078764
14289A	ROSA UNIT 204	19	031N	005W	G	FTC	007440	NMSF078764
14290A	ROSA UNIT 206	24	031N	006W	B	FTC	007440	NMSF078767
3350A	ROSA UNIT 207	17	031N	005W	L	FTC	007440	NMSF078769
4752A	ROSA UNIT 208	15	031N	006W	N	FTC	007440	NMSF078765
4972A	ROSA UNIT 209	24	031N	006W	M	FTC	007440	NMSF078767
4981A	ROSA UNIT 210	13	031N	006W	M	FTC	007440	NMSF078767
4171A	ROSA UNIT 211	26	031N	006W	G	FTC	007440	NMSF078771
4990A	ROSA UNIT 212	14	031N	006W	H	FTC	007440	NMSF078771
4153A	ROSA UNIT 213	23	031N	006W	B	FTC	007440	NMSF078771
4749A	ROSA UNIT 214	14	031N	006W	N	FTC	007440	NMSF078771
4987A	ROSA UNIT 215	26	031N	006W	N	FTC	007440	NMSF078771
4146A	ROSA UNIT 216	11	031N	006W	K	FTC	007440	NMSF078771
5007A	ROSA UNIT 217	11	031N	006W	H	FTC	007440	NMSF078771
4781A	ROSA UNIT 218	25	031N	006W	K	FTC	007440	NMSF078766
5099A	ROSA UNIT 219	19	031N	005W	K	FTC	007440	NMSF078764
4672A	ROSA UNIT 220	13	031N	006W	B	FTC	007440	NMSF078767
5052A	ROSA UNIT 221	18	031N	005W	A	FTC	007440	892000587X
3647A	ROSA UNIT 222	15	031N	006W	H	FTC	007440	NMSF078765
5044A	ROSA UNIT 223	30	031N	005W	A	FTC	007440	NMSF078764
5145A	ROSA UNIT 224	08	031N	006W	B	FTC	007440	892000587X
5030A	ROSA UNIT 225	12	031N	006W	M	FTC	007440	NMSF078767
5107A	ROSA UNIT 226	12	031N	006W	G	FTC	007440	NMSF078767
5006A	ROSA UNIT 227	07	031N	005W	N	FTC	007440	NMSF078767
5062A	ROSA UNIT 228	07	031N	005W	G	FTC	007440	NMSF078767
5159A	ROSA UNIT 229	29	031N	005W	L	FTC	007440	NMSF078764
5022A	ROSA UNIT 230	31	031N	005W	B	FTC	007440	NMSF078764
4369A	ROSA UNIT 231	31	031N	005W	N	FTC	007440	892000587X
4978A	ROSA UNIT 232	20	031N	005W	M	FTC	007440	892000587X
5035A	ROSA UNIT 233	30	031N	005W	K	FTC	007440	NMSF078764
4916A	ROSA UNIT 234	09	031N	006W	N	FTC	007440	NMSF078765
4804A	ROSA UNIT 235	09	031N	006W	B	FTC	007440	NMSF078765
4921A	ROSA UNIT 236	05	031N	006W	N	FTC	007440	NMSF078765
5216A	ROSA UNIT 240	01	031N	006W	J	FTC	007440	NMSF078772
4912A	ROSA UNIT 241	06	031N	005W	I	FTC	007440	NMSF078767
5167A	ROSA UNIT 242	33	032N	006W	L	FTC	007440	NMSF078772
4878A	ROSA UNIT 243	36	032N	006W	M	FTC	007440	892000587X
4887A	ROSA UNIT 256	25	031N	006W	G	FTC	007440	NMSF078766
4435A	ROSA UNIT 257	27	031N	005W	M	FTC	007440	892000587X
4775A	ROSA UNIT 258	22	031N	005W	M	FTC	007440	NMSF078770
4434A	ROSA UNIT 259	33	031N	005W	N	FTC	007440	NMSF078773
4370A	ROSA UNIT 260	21	031N	006W	M	FTC	007440	NMSF078766
5197A	ROSA UNIT 261	10	031N	006W	L	FTC	007440	NMSF078765
5231A	ROSA UNIT 262	21	031N	005W	H	FTC	007440	NMSF078769

ROSA UNIT FRUITLAND COAL WELLS
TO BE OPERATED BY WILLIAMS PRODUCTION COMPANY
EFFECTIVE 11/3/95

WELL ID	WELL NAME	SEC	TWN	RNG	UNIT	FORM	ST CNTRL NBR	FED CNTRL NBR
5215A	ROSA UNIT 263	21	031N	005W	M	FTC	007440	NMSF078769
5235A	ROSA UNIT 264	22	031N	005W	A	FTC	007440	NMSF078770
5184A	ROSA UNIT 266	28	031N	005W	B	FTC	007440	NMSF078769
5280A	ROSA UNIT 267	28	031N	005W	M	FTC	007440	NMSF078769
5210A	ROSA UNIT 268	33	031N	005W	B	FTC	007440	NMSF078773
5212A	ROSA UNIT 269	34	031N	005W	G	FTC	007440	NMSF078773
5198A	ROSA UNIT 270	34	031N	005W	K	FTC	007440	NMSF078773
5117A	ROSA UNIT 271	35	031N	005W	G	FTC	007440	NMSF078773
4871A	ROSA UNIT 272	35	031N	005W	L	FTC	007440	NMSF078773
5156A	ROSA UNIT 273	08	031N	006W	L	FTC	007440	NMSF078765
5180A	ROSA UNIT 274	16	031N	006W	B	FTC	007440	NMSF078766
4888A	ROSA UNIT 276	17	031N	006W	H	FTC	007440	NMSF078766
5213A	ROSA UNIT 277	17	031N	006W	K	FTC	007440	NMSF078766
5123A	ROSA UNIT 279	35	032N	006W	A	FTC	007440	NMSF078772
5206A	ROSA UNIT 280	01	031N	004W	K	FTC	007440	NMSF078891
54512A	ROSA UNIT 282	02	031N	004W	K	FTC	007440	NMSF078891
54513A	ROSA UNIT 283	02	031N	004W	H	FTC	007440	NMSF078891
54514A	ROSA UNIT 284	03	031N	004W	K	FTC	007440	NMSF078891
54516A	ROSA UNIT 285	03	031N	004W	H	FTC	007440	NMSF078891
54519A	ROSA UNIT 287	04	031N	004W	B	FTC	007440	NMSF078890
54521A	ROSA UNIT 288	04	031N	004W	L	FTC	007440	NMSF078890
54522A	ROSA UNIT 293	10	031N	004W	G	FTC	007440	NMSF078888
54523A	ROSA UNIT 294	10	031N	004W	P	FTC	007440	NMSF078888
5228A	ROSA UNIT 296	12	031N	004W	D	FTC	007440	892000587X
5217A	ROSA UNIT 297	14	031N	004W	H	FTC	007440	NMSF078892
54534A	ROSA UNIT 298	14	031N	004W	N	FTC	007440	NMSF078892
5183A	ROSA UNIT 305	22	031N	004W	P	FTC	007440	NMSF078893
21359A	ROSA UNIT 306	22	031N	004W	M	FTC	007440	NMSF078893
6734A	ROSA UNIT 308	24	031N	004W	L	FTC	007440	892000587X
5162A	ROSA UNIT 309	26	031N	004W	A	FTC	007440	NMSF078894
4947A	ROSA UNIT 310	26	031N	004W	N	FTC	007440	892000587X
54524A	ROSA UNIT 311	28	031N	004W	H	FTC	007440	892000587X
54525A	ROSA UNIT 312	28	031N	004W	L	FTC	007440	NMSF078894
54526A	ROSA UNIT 313	29	031N	004W	M	FTC	007440	NMSF078894
54527A	ROSA UNIT 315	30	031N	004W	K	FTC	007440	NMSF078774
5237A	ROSA UNIT 321	20	031N	005W	B	FTC	007440	892000587X
5185A	ROSA UNIT 322	23	031N	005W	G	FTC	007440	NMSF078770
5141A	ROSA UNIT 329	34	032N	006W	H	FTC	007440	NMSF078772
5154A	ROSA UNIT 331	35	032N	006W	K	FTC	007440	NMSF078772
5171A	ROSA UNIT 332	22	031N	006W	K	FTC	007440	NMSF078766
4967A	ROSA UNIT 334	32	031N	005W	A	FTC	007440	892000587X
5406A	ROSA UNIT 335	05	031N	005W	L	FTC	007440	892000587X
5160A	ROSA UNIT 336	08	031N	005W	B	FTC	007440	892000587X
4929A	ROSA UNIT COM 237	04	031N	006W	L	FTC	014093	NMNM88322
5234A	ROSA UNIT COM 238	03	031N	006W	J	FTC	007440	NMNM87083
5252A	ROSA UNIT COM 239	02	031N	006W	O	FTC	014093	

OIL CONSERVATION DIVISION
RECEIVED
'95 MAY 16 AM 8 52

State of New Mexico
Commissioner of Public Lands

RAY POWELL, M.S., D.V.M.
COMMISSIONER

310 OLD SANTA FE TRAIL P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

(505) 827-5760
FAX (505) 827-5766

May 15, 1995

Williams Production Company
P.O. Box 58900
Salt Lake City, Utah 84158-0900

Attention: Mr. Darrell L. Gillen

Re: 1995 Plan of Development
First Supplemental
Rosa Unit
San Juan & Rio Arriba Counties, New Mexico

Dear Mr. Gillen:

The Commissioner of Public Lands has this date approved the above-captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the unit may exist. You may be contacted at a later date regarding these possibilities.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY:
JAMI BAILEY, Deputy Director
Oil/Gas and Minerals Division
(505) 827-5745

Enclosure
RP/JB/cpm
cc: Reader File
BLM
OCD-Roy Johnson

WILLIAMS PRODUCTION COMPANY
ONE OF THE WILLIAMS COMPANIES

P.O.BOX 58900
SALT LAKE CITY, UTAH 84158-0900

May 2, 1995

To: Bureau of Land Management
Assistant District Manager Minerals
Farmington Resources Area
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico
Oil Conservation Commission
Attention: Mr. William J. Lemay
310 Old Santa Fe Trail
Santa Fe NM 87503

Commissioner of Public Land
State of New Mexico
Attention: Floyd Prando
P. O. Box 1148
Santa Fe NM 87504 1148

RECEIVED
MAY 12 1995
Oil Conservation Division

RE: ROSA UNIT SEC. I NO. 587
SAN JUAN AND RIO ARRIBA COUNTIES, NEW MEXICO
FIRST SUPPLEMENTAL 1995 PLAN OF DEVELOPMENT

Gentlemen:

By letter dated March 14, 1995, Williams Production Company as Unit Operator filed the 1995 Plan of Development for the Rosa Unit.

Subsequent to filing the 1995 Plan of Development it has been proposed that the Dakota Completion of the Rosa Unit #16A (Mesaverde/Dakota dual well) be dropped from the Plan and that the following proposed Mesaverde formation well be dually completed with the Dakota formation as follows:

Wellname	Formation	Spacing
Rosa Unit #15A	Mesaverde	E/2 Sec. 29, T31N, R5W
	Dakota	S/2 Sec. 29, T31N, R5W

Williams Production Company as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the enclosed sheet and return an approved copy to Williams Production Company.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,
Williams Production Company

Darrell L. Gillen
Manager, Leasehold Operations

Enclosures

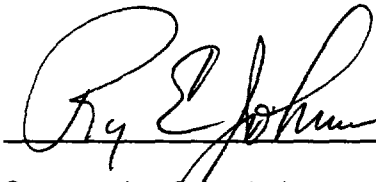
cc: Working Interest Owners
Brent W. Hale
Mike Turnbaugh

APPROVED _____ DATE _____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the Commissioner of Public Lands
and the Oil Conservation Commission

APPROVED _____ DATE _____

Commissioner of Public Lands
Subject to like approval by the Area Oil and Gas Supervisor
and the Oil Conservation Commission

APPROVED  DATE 5/15/95

Oil Conservation Commission
Subject to like approval by the Area Oil and Gas Supervisor
and the Commissioner of Public Lands

The foregoing approvals are for the First Supplemental 1995 Plan of Development for the Rosa Unit I, Sec NO. 587.

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
SOUTHERN DIVISION, PRODUCTION MANAGER
1670 BROADWAY
P O BOX 800
DENVER CO 80201

COASTAL OIL & GAS CORPORATION
ATTN MR JOHN R KENNEDY
P O BOX 749
DENVER CO 80201 0749

MR FRANK A SCHULTZ
LINCOLN PLAZA SUITE 2160 LO-1
500 NORTH ARARO
DALLAS TX 75201

MR FRED E TURNER
ONE ENERGY SQUARE SUITE 852
4925 GREENVILLE AVENUE
DALLAS TX 75206 4079

MR J GLENN TURNER JR
500 1 TV CENTER
2001 ROSS AVENUE
DALLAS TX 75201

MR JOHN BRENNAND
EXECUTOR OF ESTATE OF J R BRENNAND
P O BOX 6616
SANTA BARBARA CA 93160

MR JOHN TURNER
4245 N CENTRAL EXPRESSWAY SUITE 480
DALLAS TX 75205

MS LOIS J WILLARD
P O BOX 5205
SANTA FE NM 87502

MS ELIZABETH T CALLOWAY
4801 ST JOHNS DRIVE
DALLAS TX 75205

MARY FRANCIS TURNER JR
TRUST (6743)
AMERITRUST TEXAS NA TRUSTEE
P O BOX 2320
DALLAS TX 75221 2320

MERIDIAN OIL PRODUCTION INC
LAND DEPARTMENT
P O BOX 4289
FARMINGTON NM 87499

MITCHELL ENERGY CORPORATION
ATTN MR JERRY TAYLOR
P O BOX 4000
THE WOODLANDS TX 77380 4000

MS PATRICIA PENROSE SCHIEFFER TRUSTEE
1640 FIRST CITY BANK TOWER
201 MAIN STREET
FORT WORTH TX 76102

PHILLIPS PETROLEUM COMPANY
ATTN JAY KIEKE
5525 HWY 64 NBU 3004
FARMINGTON NM 87401

THE WISER OIL COMPANY
P O BOX 192
SISTERSVILLE, WV 26175

MR WILLIAM G WEBB
2200 ROSS AVENUE SUITE 2200
DALLAS TX 75201 6776

MS ELIZABETH P FLETCHER
C/O MR BARRON FLETCHER
315 WEST 57TH STREET APT 18-F
NEW YORK NY 10019

MS ANNE P DICKSON
6140 DELOACHE
DALLAS TX 75205

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Farmington District Office
1235 La Plata Highway
Farmington, New Mexico 87401

May 1. 1995

RECEIVED
MAY -9
CONSERVATION DIV.

IN REPLY REFER TO:
Rosa Unit (MV PA)
3180(07327)

Northwest Pipeline Corporation
P.O. Box 58900
Salt Lake City, UT 84158-0900

Gentlemen:

On December 27, 1994, we received a notice of additional wells drilled inside the Rosa Unit Mesaverde Participating Area (PA). By virtue of being drilled inside the existing PA, the wells listed on the enclosure are automatically part of this PA. The submitted list is therefore accepted for the record.

Sincerely,

/s/ Duane Spencer

Duane W. Spencer
Chief, Branch of Reservoir Management

Enclosure-1
1-List of wells

bcc:
MMS w/encl.
NMOCD, Santa Fe, w/encl. ✓
Comm. Pub. Land, Santa Fe, w/encl.

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-583-8800
FAX: (801) 584-6483

October 21, 1994

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico
Commissioner of Public Lands
Attention: Mr. Floyd O. Prando
P. O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attention: Mr. William J. LeMay
310 Old Santa Fe Trail Room 206
Santa Fe, NM 87503

RE: Rosa Unit I Sec. No. 587
San Juan and Rio Arriba Countries, New Mexico
NOTICE OF COMPLETION OF ADDITIONAL WELLS
Mesaverde formation

Gentlemen,

Pursuant to the terms of the Rosa Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has drilled and completed additional wells upon acreage which is included within the boundaries of the existing Mesaverde Participating Area in the Rosa Unit.

The well data is as follows:

The Rosa Unit #1-E Mesaverde well is located 830 feet from the South line and 830 feet from the East line, Section 11, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 20, 1994, and completed in the Mesaverde formation October 8, 1994. The Mesaverde formation was perforated with 70 holes between the following depths:

5356' to 5973'

These perforations were sand/water fractured. This well has a 1-1/2 inch tubing string. On October 15, 1994, the well was tested for 6 hours through a 2 inch choke and gauged 452 Mcf with a calculated 24 hour flow rate of 1808 Mcf/D.

The Rosa Unit #5-A Mesaverde well is located 845 feet from the South line and 1131 feet from the East line of Section 26, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 13, 1994, and completed in the Mesaverde formation on July 23, 1994. The Mesaverde formation was perforated with 68 holes between the following depths:

5433' to 5655'

These perforations were sand/water fractured. The well has a 1-1/2 inch tubing string. On August 3, 1994 the well was tested for 3 hours through a 3/4 inch variable choke on the 1-1/2 inch tubing. The well gauged 322 Mcf with a calculated 24 hour flow rate of 2578 Mcf/D.

The Rosa Unit #8-A Mesaverde well is located 963 feet from the North line and 1184 feet from the West line of Section 26, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 2, 1994 and completed in the Mesaverde formation on August 29, 1994. The Mesaverde formation was perforated with 65 holes between the following depths:

5292' to 5819'

These perforation were sand/water fractured. The well has a 1-1/2 inch tubing string. On August 31, 1994 the well was tested for 4 hours through a 3/4 inch variable choke on the 1-1/2 inch tubing. The well gauged 403 Mcf with a calculated 24 hour flow rate of 2416 Mcf/D.

The Rosa Unit #18-A Mesaverde well is located 1106 feet from the South line and 791 feet from the East line of Section 22, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 9, 1994 and completed in the Mesaverde formation on August 18, 1994. The well was perforated with 56 holes between the following depths:

5303' to 5781'

These perforations were sand/water fractured. The well has a 1-1/2 inch tubing string. On August 15, 1994 the well was pitot tested for 1 hour and gauged 66 Mcf with a calculated 24 hour rate of 1588 Mcf/D.

The Rosa Unit #79-A Mesaverde well is located 1597 feet from the North line and 790 feet from the West line of Section 22, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 2, 1994 and completed in the Mesaverde formation on August 13, 1994. The well was perforated with 72 holes between the following depths:

5313' to 5864'

These perforations were sand/water fractured. The well has a 1-1/2 inch tubing string. On August 13, 1994 the well was pitot tested for 1 hour and gauged 119 Mcf with a calculated 24 hour rate of 2863 Mcf/D.

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
October 21, 1994

The Rosa Unit #88-A Mesaverde well is located 1551 feet from the South line and 790 feet from the West line of Section 8, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on July 30, 1994, and completed in the Mesaverde formation, October 20, 1994. The Mesaverde formation was perforated with 68 holes between the following depths:

5374' to 5894'

These perforations were sand/water fractured. The well has a 1-1/2 inch tubing string. On October 24, 1994, the well was pitot tested for 2 hours and gauged 239 Mcf with a calculated 24 hour rate of 2863 Mcf/D.

The Rosa Unit #137 Mesaverde well is located 1321 feet from the South line and 820 feet from the West line of Section 31, Township 31 North, Range 5 West, N.M.P.M. Rio Arriba County, New Mexico. This well was spudded on June 4, 1994 and completed in the Mesaverde formation on July 9, 1994. The Mesaverde formation was perforated with 59 holes between the following depths:

5516' to 5998'

These perforations were sand/water fractured. The well has a 1-1/2 inch tubing string. On July 21, 1994 the well was tested for 3 hours through a 3/4 inch variable choke. The well gauged 290 Mcf with a calculated 24 hour flow rate of 2317 Mcf/D.

Sincerely,

NORTHWEST PIPELINE CORPORATION

Darrell L. Gillen
Manager Leasehold Properties

DLG/jw

Attachments

cc: Working Interest Owners
W. R. Carothers
M. Ronan-Bacon
L. L. Fullmer
L. Harris
M. H. Johnson
C. J. Lambert
C. N. Potter
M. J. Turnbaugh

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
October 21, 1994

APPROVED _____ DATE _____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and the
Oil Conservation Commission

APPROVED _____ DATE _____

Commissioner of Public Lands
Subject to like approval by the
Area Oil and Gas Supervisor and
the Oil Conservation Commission

APPROVED _____ DATE _____

Oil Conservation Commission
Subject to like approval by the
Area Oil and Gas Supervisor and
the Commissioner of Public Lands

The foregoing is the approval of Notice of Completion of Additional Wells for the Rosa Unit #1-E, Rosa Unit #5-A, Rosa Unit #8-A, Rosa Unit #18-A, Rosa Unit #79-A, Rosa Unit #88-A, and Rosa Unit #137 Mesaverde formation wells.

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
October 21, 1994

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
380 COUNTY ROAD 309
DURANGO CO 81301

COASTAL OIL & GAS CORPORATION
ATTN B. J. YOUNG
NINE GREENWAY PLAZA SUITE 1408
HOUSTON TX 77046

MR FRANK A SCHULTZ
LINCOLN PLAZA SUITE 2160 LO-1
500 NORTH ARARO
DALLAS TX 75201

MR FRED E TURNER
ONE ENERGY SQUARE SUITE 852
4925 GREENVILLE AVENUE
DALLAS TX 75206 4079

MR J GLENN TURNER JR
SUITE 1201, 3131
TURTLE CREEK BLVD
DALLAS TX 75219

MR JOHN BRENNAND
EXECUTOR OF ESTATE OF J R BRENNAND
P O BOX 6616
SANTA BARBARA CA 93160

MR JOHN TURNER
4245 N CENTRAL EXPRESSWAY SUITE 480
DALLAS TX 75205

MS LOIS J WILLARD
P O BOX 5205
SANTA FE NM 87502

MS ELIZABETH T CALLOWAY
4801 ST JOHNS DRIVE
DALLAS TX 75205

MARY FRANCIS TURNER JR
TRUST (6743)
AMERITRUST TEXAS NA TRUSTEE
P O BOX 2320
DALLAS TX 75221 2320

MERIDIAN OIL PRODUCTION INC
LAND DEPARTMENT
P O BOX 4289
FARMINGTON NM 87499

MITCHELL ENERGY CORPORATION
ATTN MR JERRY TAYLOR
P O BOX 4000
THE WOODLANDS TX 77380 4000

MS PATRICIA PENROSE SCHIEFFER TRUSTEE
1640 FIRST CITY BANK TOWER
201 MAIN STREET
FORT WORTH TX 76102

PHILLIPS PETROLEUM COMPANY
ATTN FRANK HULSE III
5525 HWY 64 NBU 3004
FARMINGTON NM 87401

THE WISER OIL COMPANY
8115 PRESTON ROAD SUITE 400
DALLAS TX 75225

MR WILLIAM G WEBB
1525 ELM STREET 26TH FLOOR
DALLAS TX 75225

MS ELIZABETH P FLETCHER
300 EAST 75TH STREET
NEW YORK, NY 10021

MS ANNE P DICKSON
6140 DELOACHE
DALLAS TX 75225

MERIDIAN OIL

March 31, 1995

Bureau of Land Management (3)
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

Commissioner of Public Lands (2)
State of New Mexico
P. O. Box 1148
Santa Fe, NM 87501-1148

Oil Conservation Division (2)
State of New Mexico
2040 S. Pacheco
Santa Fe, NM 87505

RE: 1995 Plan of Development
Rosa Unit, I Sec. No. 587
Fruitland Formation
San Juan & Rio Arriba Counties, New Mexico

Gentlemen:

By letter dated March 31, 1994, Meridian Oil Inc., as Sub-Operator of the Fruitland formation, filed the 1994 Plan of Development (POD). The POD provided for the drilling of two (2) wells in 1994:

WELL NAME	DRILLING BLOCK	FORMATION
Rosa Unit #341	W/2 Sec. 11-31N-4W	Fruitland Coal
Rosa Unit #342	E/2 Sec. 11-31N-4W	Fruitland Coal

These wells were not developed and should be cancelled from the Plan of Development.

The Fruitland Participating Area has not yet been established for this Unit.

Pursuant to Section 9 of the Rosa Unit Agreement, Meridian Oil Inc., as Fruitland Sub-Operator, hereby submits no wells for the 1995 Plan of Development.

Meridian Oil Inc., as Sub-Operator of the Rosa Unit, will drill any offset wells that may be required to prevent unitized substances and any other wells deemed necessary or desirable by the Unit Sub-Operator and/or the working interest owners.

Please advise of your concurrence of the Plan of Devlopment by executing a copy of this letter and return a copy to the undersigned.

Please contact the undersigned at 326-9760 if there are any questions regarding this letter.

P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700, Fax 505-326-9833
3535 East 30th St., 87402-8891

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

Linda Donohue
Senior Landman

LD/cj
ldplan95.16
Enclosures

File: Rosa Unit, 3.0 (1995)

1995 PLAN OF DEVELOPMENT

Bureau of Land Management	Date
New Mexico Oil Conservation Division	Date
New Mexico Commissioner of Public Lands	4/6/95 Date

ROSA UNIT WORKING INTEREST OWNERS

Amoco Production Company

Anne P. Dickson

Coastal Oil & Gas Corporation

El Paso Production Company

Elizabeth T. Calloway

Evergreen Resources

F. Eugene Turner

Frank A. Schultz, Trustee (Dec'd)

Fuel Resources Development Company

J. Glenn Turner

John Brennand Estate

John L. Turner

Lois J. Willard

Mary Frances Turner, Jr. Trust

Meridian Oil Production Inc.

Mitchell Energy Corporation

Norstar Petroleum

Patricia Penrose Schieffer, Trustee

Phillips Petroleum Company

The Wiser Oil Company

William G. Webb

Williams Production Company

Elizabeth P. Fletcher

#133

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-583-8800
FAX: (801) 584-6483

March 14, 1995

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resources Area
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico
Commissioner of Public Lands
Attention: Mr. Floyd O. Prando
P. O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attention: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: Rosa Unit I, Sec. NO. 587
San Juan and Rio Arriba Counties, New Mexico
1995 Plan of Development

Gentlemen:

By letters of March 15, and June 14, 1994, Northwest Pipeline Corporation, as Unit Operator, filed the 1994 Plan of Development for the referenced Unit. The Plan of Development indicated that 14 Pictured Cliffs - Mesaverde formation dual wells, 1 Mesaverde - Dakota formation dual well, 3 Pictured Cliffs formation wells, and 4 Pictured Cliffs uphole recompletions would be drilled during 1994. The Rosa Unit #131 and #132 plugback and recompletions in the Pictured Cliffs formation were not done in 1994 and will be dropped from the Plan of Development. All remaining Operations were completed on a timely basis. In August of 1989, Northwest Pipeline Corporation designated Meridian Oil Production Inc., as Suboperator of the Fruitland Formation in the Rosa Unit, therefore, Meridian Oil Production, Inc., will provide an accounting of the Fruitland Coal Formation wells drilled during 1994 as well as any Fruitland Formation wells under prior years drilling programs which are operated by Meridian.

As of this date, the total number of wells drilled and operated by Northwest Pipeline Corporation in the Rosa Unit on acreage committed to the Unit is as follows:

Pictured Cliffs, plugged and abandoned	2
Pictured Cliffs, undetermined	3
Pictured Cliffs/Mesaverde, (Pictured Cliffs undetermined, Mesaverde commercial)	8
Pictured Cliffs/Mesaverde, undetermined	8
Pictured Cliffs/Mesaverde, (Pictured Cliffs non-commercial, Mesaverde commercial)	1
Mesaverde, commercial	24
Mesaverde, non-commercial	3
Mesaverde, plugged and abandoned	10
Mesaverde/Dakota (Mesaverde Commercial, Dakota undetermined)	1
Mesaverde/Dakota, commercial	2
Dakota, commercial	4
Dakota, non-commercial	13
Dakota, undetermined	8
Dakota, plugged and abandoned	5
Mesaverde/Gallup/Dakota (Gallup non-commercial, Dakota and Mesaverde commercial)	1
Gallup/Dakota (Gallup non-commercial, Dakota commercial)	3
Gallup/Dakota, non-commercial	14
Gallup, non-commercial	1
Gallup/Dakota (Gallup undetermined, Dakota plugged and abandoned)	1
Gallup/Dakota, plugged and abandoned	4
TOTAL	116

The participating Areas which have been established in the Rosa Unit are as follows:

Formation	Revision	Effective
Mesaverde	Fifteenth	January 1, 1983
Dakota	Ninth	January 1, 1992

Pursuant to Section 9 of the Rosa Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, is submitting a Plan of Development providing for the drilling of the following wells during 1995:

WELL NUMBER	DRILLING BLOCK		FORMATION
Rosa Unit #15A	E/2	Sec 29, T31N, R5W	Mesaverde
Rosa Unit #16A (Mesaverde-Dakota	W/2	Sec 14, T31N, R6W	Mesaverde
Dual)	W/2	Sec 14, T31N, R6W	Dakota
Rosa Unit #20A	E/2	Sec 14, T31N, R6W	Mesaverde
Rosa Unit #41A	All	Sec 5, T31N, R5W	Mesaverde
Rosa Unit #72	All	Sec 6, T31N, R5W	Mesaverde
Rosa Unit #77A (Mesaverde-Dakota	S/2	Sec 33, T31N, R5W	Mesaverde
Dual)	S/2	Sec 33, T31N, R5W	Dakota
Rosa Unit #89A	E/2	Sec 34, T32N, R6W	Mesaverde

Rosa Unit #89A	E/2	Sec 34, T32N, R6W	Mesaverde
Rosa Unit Com #90A	E/2	Sec 33, T32N, R6W	Mesaverde
Rosa Unit #125E (Mesaverde-Dakota	E/2	Sec 13, T31N, R6W	Mesaverde
Dual)	E/2	Sec 13, T31N, R6W	Dakota
Rosa Unit #146	W/2	Sec 28, T31N, R5W	Mesaverde
Rosa Unit #147	N/2	Sec 33, T31N, R5W	Mesaverde
Rosa Unit Com #148 (Mesaverde -	All	Sec 2, T31N, R6W	Mesaverde
Dakota Dual)	All	Sec 2, T31N, R6W	Dakota
Rosa Unit #149	N/2	Sec 12, T31N, R6W	Mesaverde
Rosa Unit #150	W/2	Sec 32, T32N, R6W	Mesaverde
Rosa Unit #151	W/2	Sec 33, T32N, R6W	Mesaverde
Rosa Unit #152	W/2	Sec 36, T32N, R6W	Mesaverde
Rosa Unit #153	E/2	Sec 17, T31N, R5W	Mesaverde

Northwest Pipeline Corporation,as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the enclosed sheet and return an approved copy to Northwest Pipeline Corporation.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION

Darrell L. Gillen
Manager, Leasehold Properties

Enclosure

cc: Working Interest Owners
Brent W. Hale
Mike Turnbaugh

APPROVED _____ DATE _____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the Commissioner of Public Lands
and the Oil Conservation Commission

APPROVED _____ DATE _____
Commissioner of Public Lands
Subject to like approval by the Area Oil and Gas Supervisor
and the Oil Conservation Commission

APPROVED _____ DATE 3/24/95
Oil Conservation Commission
Subject to like approval by the Area Oil and Gas Supervisor
and the Commissioner of Public Lands

The foregoing approvals are for the 1995 Plan of Development for the Rosa Unit I, Sec NO. 587.

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
PO BOX 800
DENVER CO 80201

COASTAL OIL & GAS CORPORATION
ATTN B. J. YOUNG
NINE GREENWAY PLAZA SUITE 1408
HOUSTON TX 77046

MR FRANK A SCHULTZ
LINCOLN PLAZA SUITE 2160 LO-1
500 NORTH ARARO
DALLAS TX 75201

MR FRED E TURNER
ONE ENERGY SQUARE SUITE 852
4925 GREENVILLE AVENUE
DALLAS TX 75206 4079

MR J GLENN TURNER JR
SUITE 1201, 3131
TURTLE CREEK BLVD
DALLAS TX 75219

MR JOHN BRENNAND
EXECUTOR OF ESTATE OF J R BRENNAND
P O BOX 6616
SANTA BARBARA CA 93160

MR JOHN TURNER
4245 N CENTRAL EXPRESSWAY SUITE 480
DALLAS TX 75205

MS LOIS J WILLARD
P O BOX 5205
SANTA FE NM 87502

MS ELIZABETH T CALLOWAY
4801 ST JOHNS DRIVE
DALLAS TX 75205

MARY FRANCIS TURNER JR
TRUST (6743)
AMERITRUST TEXAS NA TRUSTEE
P O BOX 2320
DALLAS TX 75221 2320

MERIDIAN OIL PRODUCTION INC
LAND DEPARTMENT
P O BOX 4289
FARMINGTON NM 87499

MITCHELL ENERGY CORPORATION
ATTN MR JERRY TAYLOR
P O BOX 4000
THE WOODLANDS TX 77380 4000

MS PATRICIA PENROSE SCHIEFFER TRUSTEE
J THOMAS SCHIEFFER
1000 BALLPARK WAY #300
ARLINGTON TX 76102

PHILLIPS PETROLEUM COMPANY
ATTN PARTNERSHIP OPERATIONS
6330 W LOOP SOUTH
HOUSTON TX 77251

THE WISER OIL COMPANY
8115 PRESTON ROAD SUITE 400
DALLAS TX 75225

MR WILLIAM G WEBB
1525 ELM STREET 26TH FLOOR
DALLAS TX 75225

MS ELIZABETH P FLETCHER
C/O ROGERS FITZHUGH & CO
ATTN: TAMMY VASILATOS
4855 NORTH MESA, SUITE 122
EL PASO TX 79912

MS ANNE P DICKSON
6140 DELOACHE
DALLAS TX 75225

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-583-8800
FAX: (801) 584-6483

#133

October 21, 1994

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico
Commissioner of Public Lands
Attention: Mr. Floyd O. Prando
P. O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attention: Mr. William J. LeMay
310 Old Santa Fe Trail Room 206
Santa Fe, NM 87503

RE: Rosa Unit I Sec. No. 587
San Juan and Rio Arriba Countries, New Mexico
NOTICE OF COMPLETION OF ADDITIONAL WELLS
Mesaverde formation

Gentlemen,

Pursuant to the terms of the Rosa Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has drilled and completed additional wells upon acreage which is included within the boundaries of the existing Mesaverde Participating Area in the Rosa Unit.

The well data is as follows:

The Rosa Unit #1-E Mesaverde well is located 830 feet from the South line and 830 feet from the East line, Section 11, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 20, 1994, and completed in the Mesaverde formation October 8, 1994. The Mesaverde formation was perforated with 70 holes between the following depths:

5356' to 5973'

These perforations were sand/water fractured. This well has a 1-1/2 inch tubing string. On October 15, 1994, the well was tested for 6 hours through a 2 inch choke and gauged 452 Mcf with a calculated 24 hour flow rate of 1808 Mcf/D.

The Rosa Unit #5-A Mesaverde well is located 845 feet from the South line and 1131 feet from the East line of Section 26, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 13, 1994, and completed in the Mesaverde formation on July 23, 1994. The Mesaverde formation was perforated with 68 holes between the following depths:

5433' to 5655'

These perforations were sand/water fractured. The well has a 1-1/2 inch tubing string. On August 3, 1994 the well was tested for 3 hours through a 3/4 inch variable choke on the 1-1/2 inch tubing. The well gauged 322 Mcf with a calculated 24 hour flow rate of 2578 Mcf/D.

The Rosa Unit #8-A Mesaverde well is located 963 feet from the North line and 1184 feet from the West line of Section 26, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 2, 1994 and completed in the Mesaverde formation on August 29, 1994. The Mesaverde formation was perforated with 65 holes between the following depths:

5292' to 5819'

These perforation were sand/water fractured. The well has a 1-1/2 inch tubing string. On August 31, 1994 the well was tested for 4 hours through a 3/4 inch variable choke on the 1-1/2 inch tubing. The well gauged 403 Mcf with a calculated 24 hour flow rate of 2416 Mcf/D.

The Rosa Unit #18-A Mesaverde well is located 1106 feet from the South line and 791 feet from the East line of Section 22, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 9, 1994 and completed in the Mesaverde formation on August 18, 1994. The well was perforated with 56 holes between the following depths:

5303' to 5781'

These perforations were sand/water fractured. The well has a 1-1/2 inch tubing string. On August 15, 1994 the well was pitot tested for 1 hour and gauged 66 Mcf with a calculated 24 hour rate of 1588 Mcf/D.

The Rosa Unit #79-A Mesaverde well is located 1597 feet from the North line and 790 feet from the West line of Section 22, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 2, 1994 and completed in the Mesaverde formation on August 13, 1994. The well was perforated with 72 holes between the following depths:

5313' to 5864'

These perforations were sand/water fractured. The well has a 1-1/2 inch tubing string. On August 13, 1994 the well was pitot tested for 1 hour and gauged 119 Mcf with a calculated 24 hour rate of 2863 Mcf/D.

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
October 21, 1994

The Rosa Unit #88-A Mesaverde well is located 1551 feet from the South line and 790 feet from the West line of Section 8, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on July 30, 1994, and completed in the Mesaverde formation, October 20, 1994. The Mesaverde formation was perforated with 68 holes between the following depths:

5374' to 5894'

These perforations were sand/water fractured. The well has a 1-1/2 inch tubing string. On October 24, 1994, the well was pitot tested for 2 hours and gauged 239 Mcf with a calculated 24 hour rate of 2863 Mcf/D.

The Rosa Unit #137 Mesaverde well is located 1321 feet from the South line and 820 feet from the West line of Section 31, Township 31 North, Range 5 West, N.M.P.M. Rio Arriba County, New Mexico. This well was spudded on June 4, 1994 and completed in the Mesaverde formation on July 9, 1994. The Mesaverde formation was perforated with 59 holes between the following depths:

5516' to 5998'

These perforations were sand/water fractured. The well has a 1-1/2 inch tubing string. On July 21, 1994 the well was tested for 3 hours through a 3/4 inch variable choke. The well gauged 290 Mcf with a calculated 24 hour flow rate of 2317 Mcf/D.

Sincerely,

NORTHWEST PIPELINE CORPORATION

Darrell L. Gillen
Manager Leasehold Properties

DLG/jw

Attachments

cc: Working Interest Owners
W. R. Carothers
M. Ronan-Bacon
L. L. Fullmer
L. Harris
M. H. Johnson
C. J. Lambert
C. N. Potter
M. J. Turnbaugh

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
October 21, 1994

APPROVED _____ DATE _____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and the
Oil Conservation Commission

APPROVED _____ DATE _____

Commissioner of Public Lands
Subject to like approval by the
Area Oil and Gas Supervisor and
the Oil Conservation Commission

APPROVED R J Johnson DATE 1-3-95

Oil Conservation Commission
Subject to like approval by the
Area Oil and Gas Supervisor and
the Commissioner of Public Lands

The foregoing is the approval of Notice of Completion of Additional Wells for the Rosa Unit #1-E, Rosa Unit #5-A, Rosa Unit #8-A, Rosa Unit #18-A, Rosa Unit #79-A, Rosa Unit #88-A, and Rosa Unit #137 Mesaverde formation wells.

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
October 21, 1994

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
380 COUNTY ROAD 309
DURANGO CO 81301

COASTAL OIL & GAS CORPORATION
ATTN B. J. YOUNG
NINE GREENWAY PLAZA SUITE 1408
HOUSTON TX 77046

MR FRANK A SCHULTZ
LINCOLN PLAZA SUITE 2160 LO-1
500 NORTH ARARO
DALLAS TX 75201

MR FRED E TURNER
ONE ENERGY SQUARE SUITE 852
4925 GREENVILLE AVENUE
DALLAS TX 75206 4079

MR J GLENN TURNER JR
SUITE 1201, 3131
TURTLE CREEK BLVD
DALLAS TX 75219

MR JOHN BRENNAND
EXECUTOR OF ESTATE OF J R BRENNAND
P O BOX 6616
SANTA BARBARA CA 93160

MR JOHN TURNER
4245 N CENTRAL EXPRESSWAY SUITE 480
DALLAS TX 75205

MS LOIS J WILLARD
P O BOX 5205
SANTA FE NM 87502

MS ELIZABETH T CALLOWAY
4801 ST JOHNS DRIVE
DALLAS TX 75205

MARY FRANCIS TURNER JR
TRUST (6743)
AMERITRUST TEXAS NA TRUSTEE
P O BOX 2320
DALLAS TX 75221 2320

MERIDIAN OIL PRODUCTION INC
LAND DEPARTMENT
P O BOX 4289
FARMINGTON NM 87499

MITCHELL ENERGY CORPORATION
ATTN MR JERRY TAYLOR
P O BOX 4000
THE WOODLANDS TX 77380 4000

MS PATRICIA PENROSE SCHIEFFER TRUSTEE
1640 FIRST CITY BANK TOWER
201 MAIN STREET
FORT WORTH TX 76102

PHILLIPS PETROLEUM COMPANY
ATTN FRANK HULSE III
5525 HWY 64 NBU 3004
FARMINGTON NM 87401

THE WISER OIL COMPANY
8115 PRESTON ROAD SUITE 400
DALLAS TX 75225

MR WILLIAM G WEBB
1525 ELM STREET 26TH FLOOR
DALLAS TX 75225

MS ELIZABETH P FLETCHER
300 EAST 75TH STREET
NEW YORK, NY 10021

MS ANNE P DICKSON
6140 DELOACHE
DALLAS TX 75225

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington District Office
1235 La Plata Highway
Farmington, New Mexico 87401

IN REPLY REFER TO:
Rosa Unit (PA)
3180 (07327)

DEC 20 1994

Mr. Darrell L. Gillen
Northwest Pipeline Corporation
P.O. Box 58900
Salt Lake City, UT 84158-0900

Dear Mr Gillen:

Northwest Pipeline Corporation as Operator of the referenced unit submitted an application for the ninth revision to the Dakota Participating Area (PA). Their application, which seeks to add 231.83 additional acres located in the south one-half of Sec. 18, T. 31 N. , R. 5 W., to the existing PA, is based on their determination that Rosa Unit Well #119 is an economic well. We concur that Unit Well No. 119 is capable of producing unitized substances in paying quantities.

The Rosa Unit Agreement contains the provision that: "as a result of further drilling operations or otherwise, to include land then regarded as reasonably proved to be productive in paying quantities". Engineering and geological data indicate that lands located in the Southeast Quarter of Sec. 13, T. 31 N., R. 6 W. (surrounded on three sides by commercial wells), is "reasonably proved to be productive in paying quantities" and should also be included in the ninth expansion of the Dakota Participating Area. Please re-submit Schedule A and B to reflect inclusion of the additional acreage. Your application will be approved upon receipt of the revised schedules.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the order(s) described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 ***et seq.***

If you have any questions regarding this correspondence, please contact Ray Hager at (505) 599-6366.

Sincerely,

/s/ Duane Spencer

Duane Spencer
Chief, Branch of Reservoir Management

cc:
Commissioner of Public Lands, Santa Fe, NM
New Mexico Oil Conservation Division, Santa Fe, NM

...N DIVISION
RECEIVED
'95 MAR 9 AM 8 52

Rosa Unit (DK PA)
3180 (07327)

MAR 6 1995

Mr Darrell L. Gillen
Northwest Pipeline Corporation
P.O. Box 58900
Salt Lake City, UT 84158-0900

Dear Mr Gillen:

Northwest Pipeline Corporation as Operator of the referenced unit submitted an application for the Ninth Revision to the Dakota Participating Area (PA). Their application, which seeks to add 231.83 additional acres located in the S½ of Sec. 18, T. 31 N., R. 5 W. to the existing PA, is based on their determination that Rosa Unit Well No. 119 is an economic well. We concur that Unit Well No. 119 is capable of producing unitized substances in paying quantities.

In our correspondence dated December 20, 1994 (copy enclosed), we indicated that lands located in the SE¼ of Sec. 13, T. 31 N, R. 6 W. have been proven reasonably productive through geological and engineering inference and should be included in the Ninth Revision of the Dakota Participating Area. In your response dated January 9, 1995, you expressed your intent to include the aforementioned lands in section 13 in the Tenth Revision to be supported by production from Unit Well No.125E. Attached to your correspondence were Sundry notices of plans to drill Well No. 125E on or before August 31, 1995.

The Ninth Revision to the Dakota Participating Area is hereby approved, effective January 1, 1992. Please report future production from Unit Well No. 119 to 892000587A. In the event that Unit Well No. 125E is not spud on or before August 31, 1995, you will be ordered to include the referenced lands in section 13 in the Ninth Revision.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the order(s) described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders, or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 ***et seq.***

If you have any questions regarding this correspondence, please contact Ray Hager at (505) 599-6366.

Sincerely,

/s/ Duane Spencer

Duane W. Spencer
Chief, Branch of Reservoir Management

2 Enclosures:
1 - Exhibit B
2 - December 20, 1994 Ltr.

cc:
MMS, RMP, MS-3240, Denver, CO w/enclosure 1
NMOCD, Santa Fe, NM w/o enclosure
Commissioner of Public Lands, Santa Fe, NM w/o enclosure

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-583-8800
FAX: (801) 584-6483

September 29, 1994

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resources Area
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico
Commissioner of Public Lands
Attention: Mr. Floyd O. Prando
P. O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attention: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: Rosa Unit I Sec. 587
San Juan and Rio Arriba Counties, New Mexico

APPLICATION FOR APPROVAL OF THE NINTH PARTICIPATING AREA
Dakota formation
Effective January 1, 1992

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement I Section Number 587, approved January 24, 1948, Northwest Pipeline Corporation, as Unit Operator, hereby respectfully requests approval of the captioned participating area for the Dakota Formation.

This proposed participating area for the Dakota formation is predicated upon the determination by Northwest Pipeline Corporation, as Unit Operator, that the following Rosa Unit Dakota well is capable of producing unitized substances in paying quantities.

NINTH PARTICIPATING AREA - EFFECTIVE JANUARY 1, 1992

Description of Lands	No. of Acres
Township 31 North, Range 5 West, N.M.P.M. Section 18: S/2	231.83

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Commission

MVH\L94183

The Rosa Dakota Unit #119 well is located 985 feet from the south line and 1055 feet from the west line, Section 18, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on November 1, 1991 and completed in the Dakota formation on December 18, 1991. The Dakota formation was perforated with 192 holes between the following depths:

7888' - 7908'
7936' - 7964'

These perforations were fractured with 141,000 gallons cross link gel and 597,364 lbs of 20/40 sand. The well was shut-in with a SIPT of 1140 psig. On December 18, 1991, the Dakota formation was tested and after flowing for six hours through a 1" variable choke on the 2-3/8" tubing, the well gauged 894 Mcf/d with a calculated 24 hour rate of 3579 Mcf/d.

In support of this application, the following listed exhibit are made a part hereof:

Exhibit "A"

Map reflecting the boundries of the Unit and the proposed Dakota Participating Area within the Rosa Unit.

Attached hereto is the schedule showing the proposed Dakota Participating Area. The schedule describes the Participating Area, shows the percentage of ownership in the tracts, and shows the percentage of Unitized substances allocated to each unitized tract.

If this proposed Participating Area as set forth herein meets with your approval, please indicate such approval in the space provided on the attached sheet and return an approved copy for our files.

Copies of this letter, exhibit and schedule are being sent to the Working Interest Owners shown on the sheet.

Sincerely,
Northwest Pipeline

Darrell L. Gillen
Manager, Leasehold Properties

cc: Working Interest Owners
W. R. Carothers
G. L. Fisher
L. L. Fullmer
L. Harris
M. H. Johnson
C. J. Lambert
C. N. Potter

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Commission

MVH\L94183

APPROVED _____ DATE _____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the Commissioner of Public Lands
and the Oil Conservation Commission

APPROVED _____ DATE _____
Commissioner of Public Lands
Subject to like approval by the Area Oil and Gas Supervisor
and the Oil Conservation Commission

APPROVED _____ DATE 10/6/94
Oil Conservation Commission
Subject to like approval by the Area Oil and Gas Supervisor
and the Commissioner of Public Lands

The foregoing are approvals for the NINTH PARTICIPATING AREA in the Dakota formation of the Rosa Unit I Sec. 587.

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Commission

MVH\L94183

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
380 COUNTY ROAD 309
DURANGO, CO 81301

COASTAL OIL & GAS CORPORATION
NINE GREENWAY PLAZA
HOUSTON TX 77046

MR FRANK A SCHULTZ
LINCOLN PLAZA SUITE 2160 LO-1
500 NORTH ARARO
DALLAS TX 75201

MR FRED E TURNER
ONE ENERGY SQUARE SUITE 852
4925 GREENVILLE AVENUE
DALLAS TX 75206 4079

MR GLENN TURNER JR
3131 TURTLE CREEK BLVD SUITE 1201
DALLAS TX 75219

MR JOHN BRENNAND
EXECUTOR OD ESTATE OF J R BRENNAND
P O BOX 6616
SANTA BARBARA CA 93160

MR JOHN TURNER
4245 N. CENTRAL EXPRESSWAY SUITE 980
DALLAS TX 75379

MS LOIS J WILLARD
P O BOX 5205
SANTA FE NM 87502

MS ELIZABETH T CALLOWAY
4801 ST JOHNS DRIVE
DALLAS TX 75205

MARY FRANCIS TURNER, JR, TRUST
AMERITRUST TEXAS, NA TRUSTEE
P O BOX 2320
DALLAS TX 75221 2320

MERIDIAN OIL PRODUCTION INC
LAND DEPARTMENT
P O BOX 4289
FARMINGTON NM 87401

MITCHELL ENERGY CORPORATION
ATTENTION: JERRY TAYLOR
P O BOX 4000
THE WOODLANDS TX 77380 4000

MS PATRICIA PENROSE SCHIEFFER
1640 FIRST CITY BANK TOWER
201 MAIN STREET
FORT WORTH TX 76102

PHILLIPS PETROLEUM COMPANY
ATTENTION: W. FRANK HULSE, III
5525 HWY 64 NBU 3004
FARMINGTON NM 87401

THE WISER OIL COMPANY
8115 PRESTON ROAD SUITE 400
DALLAS TX 75225

MR WILLIAM G WEBB
1525 ELM STREET 26TH FLOOR
DALLAS TX 75201 6776

MS ELIZABETH FLETCHER
300 EAST 75TH STREET
NEW YORK NY 10021

MS ANNE P DICKSON
6140 DELOACHE
DALLAS TX 75225

UNIT AREA EXPANSION SCHEDULE

SCHEDULE X
NINTH PARTICIPATING AREA FOR THE DAKOTA FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 13			
USA SF-078763	T-31-N, R-5-W SEC. 8: S/2	320.00	ROYALTY	12.500000%	12.500000%	10.610959%
			WORKING INTEREST			
			AMOCO PROD CO	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			TOTAL	**100.000000%**	**100.000000%**	
	T-31-N, R-5-W SEC. 10: N/2	320.00	ROYALTY	12.500000%	12.500000%	10.610959%
			WORKING INTEREST			
			MITCHELL ENERGY	81.250000%	81.250000%	
			ORRI	6.250000%	6.250000%	
			TOTAL	**100.000000%**	**100.000000%**	
			TRACT 14			
USA SF-078767	T-31-N, R-6-W SEC. 13: W/2 SEC. 24: LOTS 1, 2, 3, 4, W/2 E/2 (E/2)	543.92	ROYALTY	12.500000%	12.500000%	18.035978%
			WORKING INTEREST			
			AMOCO PROD CO	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			TOTAL	**100.000000%**	**100.000000%**	
			TRACT 17			
USA SF-078769	T-31-N, R-5-W SEC. 17: W/2	320.00	ROYALTY	12.500000%	12.500000%	10.610959%
			WORKING INTEREST			
			AMOCO PROD CO	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			TOTAL	**100.000000%**	**100.000000%**	
			TRACT 18			
USA SF-078764	T-31-N, R-5-W SEC. 18: LOTS 3, 4, SE/4 (S/2)	231.83	ROYALTY	12.500000%	12.500000%	7.687308%
			WORKING INTEREST			
			AMOCO PROD CO	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			TOTAL	**100.000000%**	**100.000000%**	
			TRACT 28			
USA SF-078773	T-31-N, R-5-W SEC. 33: S/2	320.00	ROYALTY	12.500000%	12.500000%	10.610959%
			WORKING INTEREST			
			AMOCO PROD CO	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			TOTAL	**100.000000%**	**100.000000%**	

UNIT AREA EXPANSION SCHEDULE

SCHEDULE X
NINTH PARTICIPATING AREA FOR THE DAKOTA FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 37			
USA SF-078771	T-31-N, R-6-W	320.00	ROYALTY	12.500000%	12.500000%	10.610959%
	SEC. 23: S/2		WORKING INTEREST			
			AMOCO PROD CO	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			TOTAL	**100.000000%**	**100.000000%**	
			TRACT 39			
USA SF-078766	T-31-N, R-6-W	568.41	ROYALTY	12.500000%	12.500000%	18.848048%
	SEC. 21: S/2		WORKING INTEREST			
	SEC. 22: LOT 1		AMOCO PROD CO	87.500000%	87.500000%	
	E/2 NW/4, SW/4		ORRI	0.000000%	0.000000%	
			TOTAL	**100.000000%**	**100.000000%**	
			TRACT 43			
E-289-43	T-31-N, R-6-W	71.59	ROYALTY	12.500000%	12.500000%	2.373871%
	SEC. 22: PORTION		WORKING INTEREST			
	OF TRACT 40		PHILLIPS PETROLEUM CO	82.500000%	82.500000%	
	LYING IN W/2 NW/4		ORRI	5.000000%	5.000000%	
			TOTAL	**100.000000%**	**100.000000%**	

UNIT AREA EXPANSION SCHEDULE

SCHEDULE X
NINTH PARTICIPATING AREA FOR THE DAKOTA FORMATION
ROSA UNIT

RECAPITULATION

Description of lands in Dakota Participating Area:

Township 31 North, Range 5 West, N.M.P.M.

Sec. 8:	S/2
Sec. 10:	N/2
Sec. 17:	W/2
Sec. 18:	S/2
Sec. 33:	S/2

Township 31 North, Range 6 West, N.M.P.M.

Sec. 13:	W/2
Sec. 21:	S/2
Sec. 22:	W/2
Sec. 23:	S/2
Sec. 24:	E/2

Total Number of Acres in Participating Area:	3015.75
Total Number of Acres Committed to Participating Area:	3015.75

Lease: ROSA UNIT #119
Field: BASIN (DAKOTA) DK
County:RIO ARRIBA State:NM
Operator: NORTHWEST PIPELINE COR

DATE : 09/23/94
TIME : 12:14:10
DBS FILE : ROSA119
SETUP FILE : SETDATA
SEQ NUMBER : 1

RESERVES AND ECONOMICS

AS OF DATE: 8/92

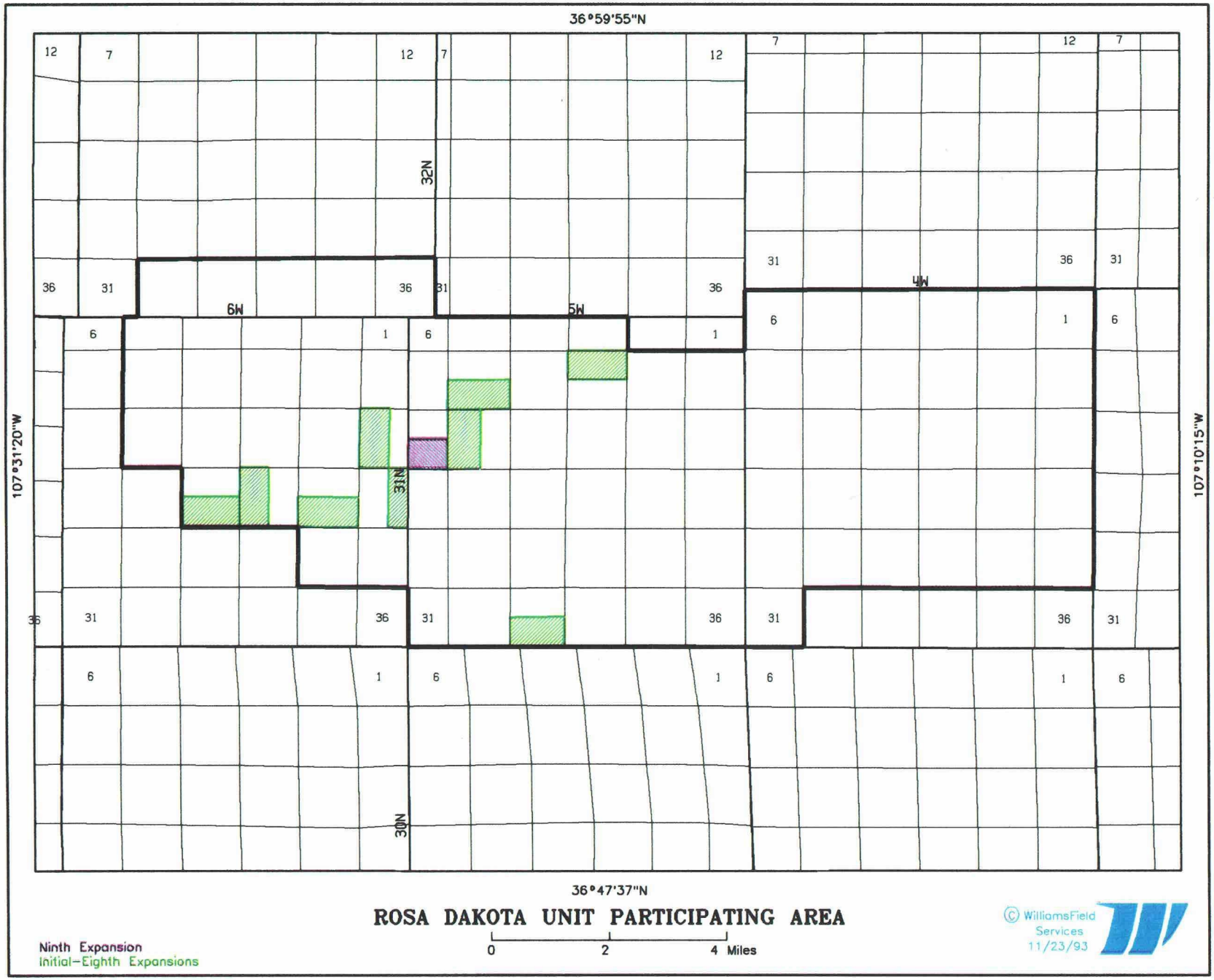
-END- MO-YR	GROSS OIL PRODUCTION ----MBBLS---	GROSS GAS PRODUCTION ----MMCF----	NET OIL PRODUCTION ---MBBLS---	NET GAS PRODUCTION ----MMCF---	NET OIL PRICE ---$/BBL---	NET GAS PRICE ---$/MCF---	NET OIL SALES -----M$----	NET GAS SALES -----M$-----	TOTAL NET SALES -----M$-----
7-93	.000	550.705	.000	550.705	.000	1.800	.000	991.268	991.268
7-94	.000	482.318	.000	482.318	.000	1.800	.000	868.173	868.173
7-95	.000	422.424	.000	422.424	.000	1.500	.000	633.636	633.636
7-96	.000	369.967	.000	369.967	.000	1.500	.000	554.951	554.951
7-97	.000	324.025	.000	324.025	.000	1.500	.000	486.037	486.037
7-98	.000	283.787	.000	283.787	.000	1.500	.000	425.681	425.681
7-99	.000	248.547	.000	248.547	.000	1.500	.000	372.820	372.820
7-00	.000	217.682	.000	217.682	.000	1.500	.000	326.523	326.523
7-01	.000	190.650	.000	190.650	.000	1.500	.000	285.976	285.976
7-02	.000	166.975	.000	166.975	.000	1.500	.000	250.463	250.463
S-TOT	.000	3257.081	.000	3257.081	.000	1.595	.000	5195.528	5195.528
AFTER	.000	1083.871	.000	1083.871	.000	1.500	.000	1625.807	1625.807
TOTAL	.000	4340.953	.000	4340.953	.000	1.571	.000	6821.335	6821.335

-END- MO-YR	ADV, WPT & PROD TAXES -----M$-----	DIRECT OPER EXPENSE -----M$-----	INTEREST PAID -----M$----	CAPITAL REPAYMENT -----M$----	EQUITY INVESTMENT -----M$----	BFIT NET CASHFLOW -----M$----	DEPRECIATION & DEPLETION -----M$----	FED & STATE INCOME TAX -----M$-----	AFIT NET CASHFLOW -----M$-----
7-93	.000	6.000	.000	.000	700.000	285.268	21.420	.000	285.268
7-94	.000	6.240	.000	.000	.000	861.933	36.735	192.546	669.387
7-95	.000	6.490	.000	.000	.000	627.146	26.235	240.365	386.782
7-96	.000	6.749	.000	.000	.000	548.202	18.735	211.787	336.415
7-97	.000	7.019	.000	.000	.000	479.018	13.395	186.249	292.769
7-98	.000	7.300	.000	.000	.000	418.381	13.395	161.994	256.387
7-99	.000	7.592	.000	.000	.000	365.228	13.395	140.733	224.495
7-00	.000	7.896	.000	.000	.000	318.628	6.690	124.775	193.853
7-01	.000	8.211	.000	.000	.000	277.764	.000	111.106	166.658
7-02	.000	8.540	.000	.000	.000	241.923	.000	96.769	145.154
S-TOT	.000	72.037	.000	.000	700.000	4423.491	150.000	1466.324	2957.167
AFTER	.000	247.320	.000	.000	.000	1358.486	.000	543.394	815.092
TOTAL	.000	319.357	.000	.000	700.000	5781.977	150.000	2009.719	3772.259

	GROSS	W.I.	NET
INITIAL INTEREST	1.00000	1.00000	1.00000
OIL RESERVES, MB	.000	.000	.000
GAS RESERVES, MMF	4340.952	4340.952	4340.952
NGL RESERVES, MB	.000	.000	.000
SGS RESERVES, MMF	.000	.000	.000
REVENUE, M$	6821.335	6821.335	6821.335
OPER. EXPENSE, M$	319.357	319.357	319.357
TANGIBLES, M$	150.000	150.000	150.000
INTANGIBLES, M$	550.000	550.000	550.000
INITIAL OIL PRICE	.000		
INITIAL GAS PRICE	1.800		

	BFIT	AFIT
RATE OF RETURN, PCT.	100.00	100.00
UNDISC. PAYOUT, YRS.	.71	.71
DISC. PAYOUT, YRS.	.75	.75
UNDISC. NET/INVESTMENT	9.26	6.39
DISC. NET/INVESTMENT	5.58	4.10
DISCOUNT %	10.50	
LIFE, YRS.	29.1	
GROSS OIL WELLS	.0	
GROSS GAS WELLS	1.0	

P.W. %	BFIT P.W. ----M$---	AFIT P.W. ----M$---
5.00	4247.929	2824.032
10.00	3284.220	2220.691
15.00	2633.321	1807.279
20.00	2167.176	1506.619
25.00	1817.538	1277.492
30.00	1545.563	1096.377
35.00	1327.794	949.027
40.00	1149.324	826.356
60.00	670.405	485.559
80.00	389.272	274.274
100.00	203.379	127.994


36°59'55"N
36°47'37"N
107°31'20"W
107°10'15"W
32N
31N
30N
6W
5W
4W
12
7
31
36
6
1
ROSA DAKOTA UNIT PARTICIPATING AREA
0
2
4 Miles
Ninth Expansion
Initial–Eighth Expansions
© WilliamsField Services 11/23/93

FINAL PRINT

Schlumberger

DUAL INDUCTION - SFL

WITH LINEAR CORRELATION LOG

COMPANY Amoco Production Company

WELL Rosa Unit #119

FIELD Basin Dakota

COUNTY Rio Arriba STATE New Mexico

LOCATION 985' FSL & 1055' FWL

Other Services:
LDT CNL GR
DIL GR
MLT GR
NGT

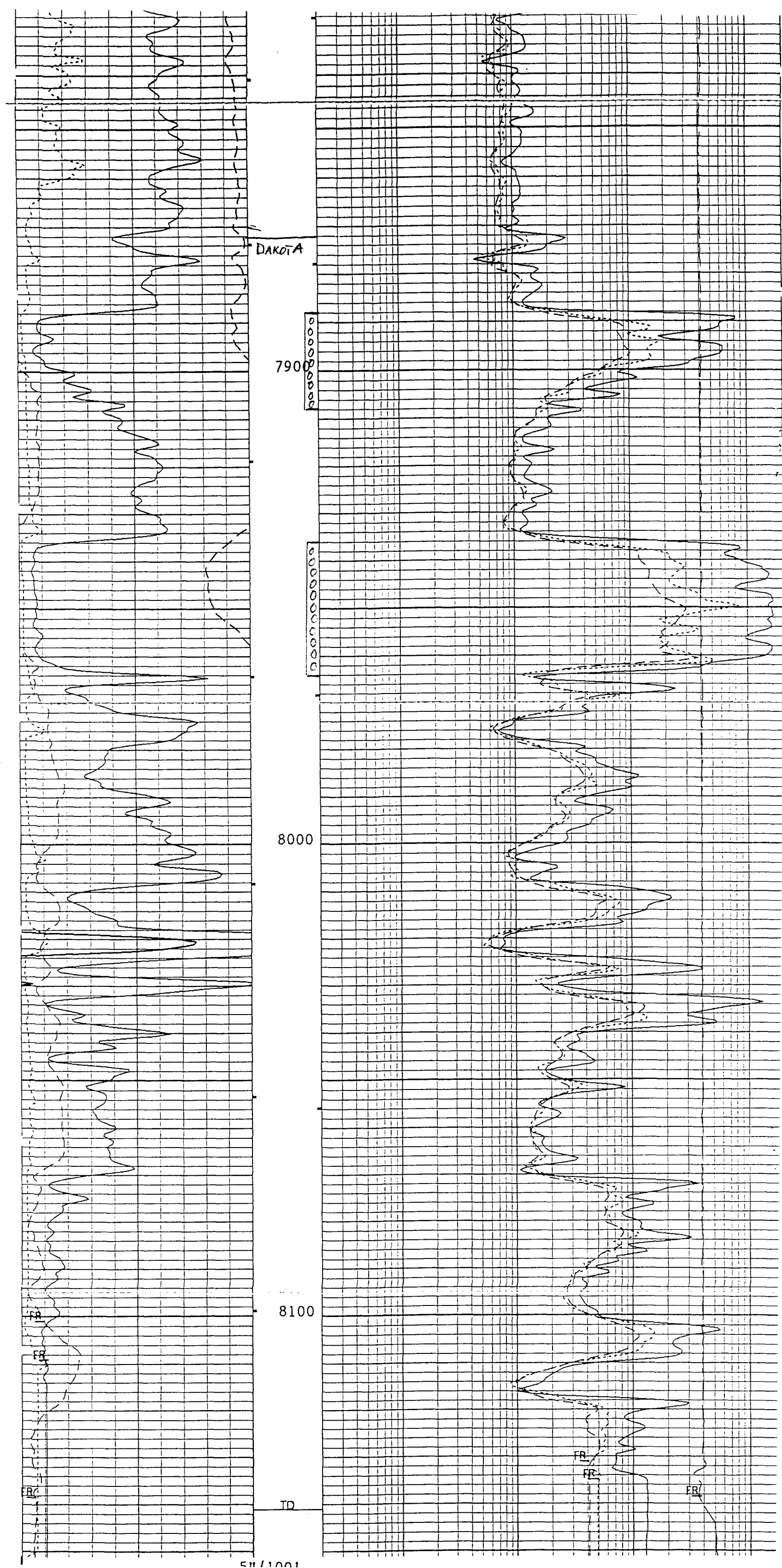
API SERIAL NO.	SECT.	TWP.	RANGE
N/A	18	31N	5W

COUNTY Rio Arriba
FIELD Basin Dakota
LOCATION 985' FSL & 1055' FWL
WELL Rosa Unit #119
COMPANY Amoco Production Company

Permanent Datum	Ground Level	Elev. 6336.0 F	Elev.: K.B.6349.5 F
Log Measured From	Kelly Bushing	13.5 F above Perm. Datum	D.F.6348.5 F
Drilling Measured From	Kelly Bushing		G.L.6336.0 F

Date	22-NOV-1991		
Run No.	One		
Depth Driller	8163.0 F		
Depth Logger (Schl.)	8141.0 F		
Btm. Log Interval	8135.0 F		
Top Log Interval	3888.0 F		
Casing-Driller	9 5/8" @ 446.0 F	7" @ 4000.0 F	@
Casing-Logger	3888.0 F		
Bit Size	12 1/4" @	8 3/4" @	6 1/4" @
Type Fluid in Hole	Gel Chemical		
Dens. / Visc.	9.00 LB/G / 44.0 S		
pH / Fld. Loss	9.9 / 9.2 C3		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp.	3.860 OHMM @ 88.0 DEGF		@
Rmf @ Meas. Temp.	3.950 OHMM @ 88.0 DEGF		@
Rmc @ Meas. Temp.	3.620 OHMM @ 88.0 DEGF		@
Source: Rmf / Rmc	Measured / Calculated		
Rm @ BHT	2.512 OHMM @ 139. DEGF		@
TIME Circulation Ended	12:00 11/22/91		
TIME Logger on Bottom	17:30 11/22/91		
Max. Rec. Temp.	139. DEGF		
Equip. / Location	8206 / Farmington		
Recorded By	Richey		
Witnessed By	L. Kwartin		

The well name, location and borehole reference data were furnished by the customer.


DAKOTA
7900
8000
8100
FR
FR
FR
FR
FR
TD

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-583-8800
FAX: (801) 584-6483

To: Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resources Area
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico
Commissioner of Public Lands
Attention: Mr. Floyd O. Prando
P. O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attention: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

RE: **Rosa Unit I, Sec. No. 587**
San Juan and Rio Arriba Counties, New Mexico
First Supplemental 1994 Plan of Development

Gentlemen:

By letter dated March 15, 1994, Northwest Pipeline Corporation as Unit Operator filed the 1994 Plan of Development for the Rosa Unit.

Subsequent to filing the 1994 Plan of Development it has been proposed that the Rosa Unit #141 and Rosa Unit #143 Pictured Cliffs formation wells be dropped from the Plan and that the Pictured Cliffs formation be recompleted dually with the Mesaverde formation in the existing Mesaverde formation wells as follows:

Wellname	Formations	Pictured Cliffs Spacing
Rosa Unit #8	Pictured Cliffs/Mesaverde Dual	SW/4 Sec. 26, T31N, R6W
Rosa Unit #18	Pictured Cliffs/Mesaverde Dual	NE/4 Sec. 22, T31N, R6W

Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the enclosed sheet and return an approved copy to Northwest Pipeline Corporation.

Copies of this Plan of Development are being sent to the Working Interst Owners as shown on the enclosed sheet.

Sincerely,

Northwest Pipeline Corporation

Darrell L. Gillen
Manager, Leasehold Operations

Enclosures

cc: Working Interest Owners
Brent W. Hale
Mike Turnbaugh

APPROVED _____ DATE _____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the Commissioner of Public Lands
and the Oil Conservation Commission

APPROVED _____ DATE _____

Commissioner of Public Lands
Subject to like approval by the Area Oil and Gas Supervisor
and the Oil Conservation Commission

APPROVED _____ DATE 6-28-94

Oil Conservation Commission
Subject to like approval by the Area Oil and Gas Supervisor
and the Commissioner of Public Lands

The foregoing approvals are for the First Supplemental 1994 Plan of Development for the Rosa Unit I, Sec NO. 587.

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
SOUTHERN DIVISION, PRODUCTION MANAGER
1670 BROADWAY
P O BOX 800
DENVER CO 80201

COASTAL OIL & GAS CORPORATION
ATTN MR JOHN R KENNEDY
P O BOX 749
DENVER CO 80201 0749

MR FRANK A SCHULTZ
LINCOLN PLAZA SUITE 2160 LO-1
500 NORTH ARARO
DALLAS TX 75201

MR FRED E TURNER
ONE ENERGY SQUARE SUITE 852
4925 GREENVILLE AVENUE
DALLAS TX 75206 4079

MR J GLENN TURNER JR
500 1 TV CENTER
2001 ROSS AVENUE
DALLAS TX 75201

MR JOHN BRENNAND
EXECUTOR OF ESTATE OF J R BRENNAND
P O BOX 6616
SANTA BARBARA CA 93160

MR JOHN TURNER
4245 N CENTRAL EXPRESSWAY SUITE 480
DALLAS TX 75205

MS LOIS J WILLARD
P O BOX 5205
SANTA FE NM 87502

MS ELIZABETH T CALLOWAY
4801 ST JOHNS DRIVE
DALLAS TX 75205

MARY FRANCIS TURNER JR
TRUST (6743)
AMERITRUST TEXAS NA TRUSTEE
P O BOX 2320
DALLAS TX 75221 2320

MERIDIAN OIL PRODUCTION INC
LAND DEPARTMENT
P O BOX 4289
FARMINGTON NM 87499

MITCHELL ENERGY CORPORATION
ATTN MR JERRY TAYLOR
P O BOX 4000
THE WOODLANDS TX 77380 4000

MS PATRICIA PENROSE SCHIEFFER TRUSTEE
1640 FIRST CITY BANK TOWER
201 MAIN STREET
FORT WORTH TX 76102

PHILLIPS PETROLEUM COMPANY
ATTN JAY KIEKE
5525 HWY 64 NBU 3004
FARMINGTON NM 87401

THE WISER OIL COMPANY
P O BOX 192
SISTERSVILLE, WV 26175

MR WILLIAM G WEBB
2200 ROSS AVENUE SUITE 2200
DALLAS TX 75201 6776

MS ELIZABETH P FLETCHER
C/O MR BARRON FLETCHER
315 WEST 57TH STREET APT 18-F
NEW YORK NY 10019

MS ANNE P DICKSON
6140 DELOACHE
DALLAS TX 75205

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-583-8800
FAX: (801) 584-6483

October 10, 1994

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico
Commissioner of Public Lands
Attention: Mr. Floyd O. Prando
P. O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attention: Mr. William J. LeMay
310 Old Santa Fe Trail Room 206
Santa Fe, NM 87503

RE: Rosa Unit I Sec. No. 587
San Juan and Rio Arriba Countries, New Mexico
NOTICE OF COMPLETION OF NON-COMMERCIAL WELLS
Gallup formation

Gentlemen,

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement I Sec. No. 587, Northwest Pipeline Corporation, as Unit Operator, has determined that the following described well is not capable of producing unitized substances in paying quantities from the Gallup formation.

The well data is as follows:

The Rosa Unit #59 Gallup well is located 1190 feet from the South line and 1560 feet the West line, Section 25, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on October 21, 1983, and completed in the Gallup formation on July 26, 1984. The Gallup formation was perforated with 706 holes between the following depths:

6444' to 7520'

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
October 10, 1994

These perforations were sand/water fractured. This well has a 2-3/8 inch tubing string. On August 22, 1984, the well was tested and after flowing for three hours through a 3/4 inch variable choke on the 2-3/8 inch tubing, the well gauged 207 Mcf with a calculated 24 hour flow rate of 1653 Mcf/D.

If this determination meets with your approval, please indicate such approval in the space provided and return an approved copy for our files.

Copies of this letter are being sent to the Working Interest Owners shown on the attachment sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION

Darrell L. Gillen
Manager Leasehold Properties

DLG/jw

Attachments

cc: Working Interest Owners
W. R. Carothers
M. Ronan-Bacon
L. L. Fullmer
L. Harris
M. H. Johnson
C. J. Lambert
C. N. Potter
M. J. Turnbaugh

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
October 10, 1994

APPROVED _____ DATE _____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and the
Oil Conservation Commission

APPROVED _____ DATE _____
Commissioner of Public Lands
Subject to like approval by the
Area Oil and Gas Supervisor and
the Oil Conservation Commission

APPROVED _____ DATE 11-8-94
Oil Conservation Commission
Subject to like approval by the
Area Oil and Gas Supervisor and
the Commissioner of Public Lands

The foregoing is the approval of Notice of Completion of a Non-Commercial well for the Rosa Unit #59, Gallup formation.

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
October 10, 1994

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
380 COUNTY ROAD 309
DURANGO CO 81301

COASTAL OIL & GAS CORPORATION
ATTN B. J. YOUNG
NINE GREENWAY PLAZA SUITE 1408
HOUSTON TX 77046

MR FRANK A SCHULTZ
LINCOLN PLAZA SUITE 2160 LO-1
500 NORTH ARARO
DALLAS TX 75201

MR FRED E TURNER
ONE ENERGY SQUARE SUITE 852
4925 GREENVILLE AVENUE
DALLAS TX 75206 4079

MR J GLENN TURNER JR
SUITE 1201, 3131
TURTLE CREEK BLVD
DALLAS TX 75219

MR JOHN BRENNAND
EXECUTOR OF ESTATE OF J R BRENNAND
P O BOX 6616
SANTA BARBARA CA 93160

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AMERITRUST TEXAS NA TRUSTEE
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DALLAS TX 75221 2320

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LAND DEPARTMENT
P O BOX 4289
FARMINGTON NM 87499

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ATTN MR JERRY TAYLOR
P O BOX 4000
THE WOODLANDS TX 77380 4000

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201 MAIN STREET
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PHILLIPS PETROLEUM COMPANY
ATTN FRANK HULSE III
5525 HWY 64 NBU 3004
FARMINGTON NM 87401

THE WISER OIL COMPANY
8115 PRESTON ROAD SUITE 400
DALLAS TX 75225

MR WILLIAM G WEBB
1525 ELM STREET 26TH FLOOR
DALLAS TX 75225

MS ELIZABETH P FLETCHER
300 EAST 75TH STREET
NEW YORK, NY 10021

MS ANNE P DICKSON
6140 DELOACHE
DALLAS TX 75225

WELL ECONOMICS PROGRAM (GASROR) CONVENTIONAL WELLS

Input Data

PROJECT:	Rosa Unit #59	
Peak Rate	MCF/D	0
Decline Rate	%/Yr	SEE TABLE
Load factor	.XXXXX	0.9000
Netback Price	$/Mcf	SEE TABLE
Royalty	.XXXXX	0.1400
Fixed Cost	M$/Yr	SEE TABLE
Variable Cost	$/Mcf	SEE TABLE
Production Taxes	% Gross	11.3000
Working Interest	.XXXX	1.0000
Investment (100% WI)	M$	400.0000
Income Tax Rate	.XXXX	0.4000
Tangible/Total	.XXXX	0.3000
Income Escalator	.XXXX/Yr	0.0000
Cost Escalator	.XXXX/Yr	0.0400
DCF Factor	.XXXX	0.1000
DCF Factor	.XXXX	0.2000
DCF Factor	.XXXX	0.3000
DCF Factor	.XXXX	0.4000
DCF Factor	.XXXX	0.6000
DCF Factor	.XXXX	1.0000
WI After Payout	.XXXX	1.0000

OPERATING INCOME

Rosa Unit #59

YEAR	Decline Factor	Rate Beg/end	DSPC	WATER	ACTUAL PROD	ANNUAL PROD	R.RES YR - 1	NETBACK PRICE	GROSS INCOME	AFT ROY INCOME	FIXED COST	WATER COST	PROD TAXES	TOTAL COST	WI%	100% CASHFLOW	WI CASHFLOW
	.XXX	Mcf/d	MCF/D	B/D	MCF/D	MMCF	MMCF	$/MCF	M$/YR	M$/YR	M$/YR	M$/YR	M$/YR	M$/YR	.XXX	M$/YR	M$/YR
		0															
1	99.000	0.0	95.6	0	86	31	204	1.50	47	40	8.4	0.00	4.58	13.0	1.000	27.52	27.52
2	0.110	0.0	67.8	0	61	22	172	1.50	33	29	8.4	0.00	3.25	13.0	1.000	15.76	15.76
3	0.110	0.0	13.3	0	12	4	150	1.50	7	6	8.4	0.00	0.64	9.2	1.000	-3.50	-3.50
4	0.110	0.0	32.2	0	29	11	146	1.50	16	14	8.4	0.00	1.54	10.3	1.000	3.32	3.32
5	0.110	0.0	23.3	0	21	8	135	1.50	11	10	8.4	0.00	1.12	9.8	1.000	0.13	0.13
6	0.110	0.0	33.3	0	30	11	127	1.50	16	14	8.4	0.00	1.60	10.4	1.000	3.72	3.72
7	0.110	0.0	53.3	0	48	18	116	1.50	26	23	8.4	0.00	2.55	11.8	1.000	10.77	10.77
8	0.110	39.1	41.1	0	37	14	99	1.50	20	17	8.4	0.00	1.97	10.9	1.000	6.48	6.48
9	0.173	32.9	35.9	0	32	12	85	1.50	18	15	8.4	0.00	1.72	10.6	1.000	4.63	4.63
10	0.173	27.7	30.2	0	27	10	74	1.50	15	13	8.4	0.00	1.45	10.2	1.000	2.60	2.60
11	0.173	23.3	25.4	0	23	8	64	1.50	13	11	8.4	0.00	1.22	9.9	1.000	0.88	0.88
12	0.173	19.6	21.4	0	19	7	55	1.50	11	9	8.4	0.00	1.02	9.6	1.000	-0.57	-0.57
13	0.173	16.5	18.0	0	16	6	48	1.50	9	8	8.4	0.00	0.86	9.4	1.000	-1.80	-1.80
14	0.173	13.9	15.2	0	14	5	42	1.50	7	6	8.4	0.00	0.73	9.3	1.000	-2.84	-2.84
15	0.173	11.7	12.8	0	11	4	37	1.50	6	5	8.4	0.00	0.61	9.1	1.000	-3.71	-3.71
16	0.173	9.8	10.7	0	10	4	33	1.50	5	5	8.4	0.00	0.51	9.0	1.000	-4.45	-4.45
17	0.173	8.3	9.0	0	8	3	30	1.50	4	4	8.4	0.00	0.43	8.9	1.000	-5.07	-5.07
18	0.173	7.0	7.6	0	7	2	27	1.50	4	3	8.4	0.00	0.36	8.8	1.000	-5.60	-5.60
19	0.173	5.9	6.4	0	6	2	24	1.50	3	3	8.4	0.00	0.31	8.8	1.000	-6.04	-6.04
20	0.173	4.9	5.4	0	5	2	22	1.50	3	2	8.4	0.00	0.26	8.7	1.000	-6.41	-6.41
TOTALS			204	0		183			275	236				201		36	36

DISCOUNTED CASHFLOW ANALYSIS

YEAR	NET OPER INCOME	INVEST MENT	DEPREC	TAXABLE INCOME	INCOME TAX	NET CASHFLOW	) YEAR) > 0.100	0.200	0.300	0.400	0.600	1.000	CUM CASHFLOW
	M$	M$	M$	M$	M$	M$	M$	M$	M$	M$	M$	M$	M$
	0.00	400.00		0.00	0.00	-400.00	-400.00	-400.00	-400.00	-400.00	-400.00	-400.00	-400.00
1	27.52	0.00	17.16	-269.64	-107.86	135.37	129.07	123.58	118.73	114.41	107.02	95.72	-264.63
2	15.76	0.00	17.16	-1.40	-0.56	16.32	14.15	12.42	11.01	9.85	8.06	5.77	-248.31
3	-3.50	0.00	17.16	-20.66	-8.26	4.76	3.75	3.02	2.47	2.05	1.47	0.84	-243.54
4	3.32	0.00	17.16	-13.84	-5.54	8.86	6.34	4.68	3.54	2.73	1.71	0.78	-234.69
5	0.13	0.00	17.16	-17.03	-6.81	6.94	4.52	3.06	2.13	1.53	0.84	0.31	-227.75
6	3.72	0.00	17.16	-13.44	-5.38	9.09	5.38	3.34	2.15	1.43	0.69	0.20	-218.65
7	10.77	0.00	17.16	-6.39	-2.56	13.32	7.17	4.07	2.42	1.50	0.63	0.15	-205.33
8	6.48	0.00	17.16	-10.68	-4.27	10.75	5.26	2.74	1.50	0.86	0.32	0.06	-194.58
9	4.63	0.00	17.16	-12.53	-5.01	9.64	4.29	2.05	1.04	0.55	0.18	0.03	-184.93
10	2.60	0.00	17.16	-14.56	-5.82	8.43	3.41	1.49	0.70	0.34	0.10	0.01	-176.51
11	0.88	0.00	17.16	-16.28	-6.51	7.39	2.72	1.09	0.47	0.22	0.05	0.01	-169.11
12	-0.57	0.00	17.16	-17.73	-7.09	6.52	2.18	0.80	0.32	0.14	0.03	0.00	-162.59
13	-1.80	0.00	17.16	-18.96	-7.58	5.78	1.76	0.59	0.22	0.09	0.02	0.00	-156.81
14	-2.84	0.00	17.16	-20.00	-8.00	5.16	1.43	0.44	0.15	0.05	0.01	0.00	-151.64
15	-3.71	0.00	17.16	-20.87	-8.35	4.64	1.16	0.33	0.10	0.04	0.01	0.00	-147.01
16	-4.45	0.00	17.16	-21.61	-8.64	4.19	0.96	0.25	0.07	0.02	0.00	0.00	-142.81
17	-5.07	0.00	17.16	-22.23	-8.89	3.82	0.79	0.19	0.05	0.01	0.00	0.00	-138.99
18	-5.60	0.00	17.16	-22.76	-9.10	3.50	0.66	0.14	0.04	0.01	0.00	0.00	-135.49
19	-6.04	0.00	17.16	-23.20	-9.28	3.24	0.56	0.11	0.03	0.01	0.00	0.00	-132.25
20	-6.41	0.00	17.16	-23.57	-9.43	3.02	0.47	0.09	0.02	0.00	0.00	0.00	-129.23
TOTALS	35.81	400.00	343.20	-587.39	-234.96	-129.23	-203.97	-235.53	-252.85	-264.16	-278.87	-296.12	

Rate of Return (%) = -17.29

NCF/Investment = -0.32

State of New Mexico
Commissioner of Public Lands

RAY POWELL, M.S., D.V.M.
COMMISSIONER

310 OLD SANTA FE TRAIL P.O. BOX 1148

SANTA FE, NEW MEXICO 87504-1148

(505) 827-5760
FAX (505) 827-5766

December 29, 1994

Williams Production Company
P.O. Box 58900
Salt Lake City, Utah 84158-0900

Attention: Land Department

Re: Resignation/Designation of Successor Unit Operator
Rosa Unit
San Juan and Rio Arriba Counties, New Mexico

Gentlemen:

This office is in receipt of a resignation/designation of successor unit operator, wherein Northwest Pipeline Corporation has resigned as unit operator of the Rosa Unit and designated Williams Production Company as the successor unit operator.

The Commissioner of Public Lands has this date approved the resignation of Northwest Pipeline Corporation and the designation of Williams Production Company as the successor unit operator of this unit. This change in operators is effective January 1, 1995. In accordance with this approval, Williams Production Company is now responsible for all operations and the reporting of all production from the unit. Our approval is subject to like approval by the Bureau of Land Management.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY: J. Barley for FO Prando
FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744
Enclos.
RP/FOP/pm
cc: Reader File
Northwest Pipeline Corporation
OCD-Roy Johnson
TRD
BLM-Farmington

State of New Mexico
Commissioner of Public Lands

RAY POWELL, M.S., D.V.M.
COMMISSIONER

310 OLD SANTA FE TRAIL P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

(505) 827-5760
FAX (505) 827-5766

December 22, 1994

Northwest Pipeline Corporation
P.O. Box 58900
Salt Lake City, Utah 84158-0900

Attention: Mr. Darrell L. Gillen

Re: Rosa Unit Well No. 59
San Juan & Rio Arriba Counties, New Mexico
Notice of Completion of Non-commercial Well
Gallup Formation

Dear Mr. Gillen:

This office is in receipt of your letter of october 10, 1994, has advised this office that they have concurred with your determination that the Rosa Unit Well No. 59 is not capable of producing unitized substances in paying quantities from the Gallup formation.

Please be advised that the Commissioner of Public Lands concurs with Northwest Pipeline Corporation and the Bureau of Land Management's determination that the Rosa Unit Well No. 59 is non-commercial in the Gallup Formation and not entitled to participate in the Gallup Participating Area.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY: Floyd O. Prando
FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744
RP/FOP/pm
Enclos.
cc: Reader File
OCD
TRD
BLM

MERIDIAN OIL

March 31, 1994

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501

Commissioner of Public Lands
P.O. Box 1148
Santa Fe, NM 87501

RE: **1994 Plan of Development**
Rosa Unit, I Sec. No. 587
Fruitland Formation
San Juan & Rio Arriba Counties, New Mexico

Gentlemen:

By letter dated March 1, 1993, Meridian Oil Inc. (Meridian), as Sub-Operator of the Fruitland formation, submitted the 1993 Plan of Development (POD). The POD provided for the drilling of two (2) wells in 1993. As of this date, the total number of Fruitland wells in the Rosa Unit is as follow:

Fruitland Coal, Operated by Meridian	82
Fruitland Coal, currently operated by Evergreen under Designation of Agent from Meridian	12
TOTAL	94

The Fruitland Participating Area has not yet been established for this Unit.

Pursuant to Section 9 of the Rosa Unit Agreement, Meridian Oil Inc., as Fruitland Sub-Operator, hereby submits the following wells for the 1994 Plan of Development.

WELL NAME	DRILLING BLOCK	FORMATION
Rosa Unit #341	W/2 Sec. 11-31N-4W	Fruitland Coal
Rosa Unit #342	E/2 Sec. 11-31N-4W	Fruitland Coal

Meridian Oil, as Sub-Operator of the Rosa Unit, will drill any offset wells that may be required to prevent unitized substances and any other wells deemed necessary or desirable by the Unit Operator and/or the working interest owners.

Please advise of your concurrence of this Plan of Development by executing a copy of this letter and return a copy to the undersigned.

Please contact Linda Donohue at (505) 326-9760 if there are any questions regarding this letter. Copies of this letter are being provided to the working interest owners as shown on the attached sheet.

Very truly yours,

Kent Beers
Attorney-in-Fact

KOB:LD:ll
Enclosures
cc: Rosa Unit, 3.0

APPROVED:_____ DATE:_____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

APPROVED:_____ DATE:_____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and
the Oil Conservation Division)

APPROVED:_____ DATE: 4/11/94
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

The foregoing approvals are for the 1994 Plan of Development for the Fruitland Formation in the Rosa Unit, I. Sec. No. 587, San Juan and Rio Arriba Counties, New Mexico.

ROSA UNIT WORKING INTEREST OWNERS

AMOCO PRODUCTION COMPANY
COASTAL OIL & GAS CORPORATION
EL PASO PRODUCTION COMPANY
ELIZABETH T. CALLOWAY
EVERGREEN RESOURCES
F. EUGENE TURNER
FUEL RESOURCES DEVELOPMENT COMPANY
J. GLENN TURNER
JOHN BRENNAND ESTATE
JOHN L. TURNER
LOIS J. WILLARD
MARY FRANCES TURNER, JR. TRUST
MERIDIAN OIL PRODUCTION INC.
MITCHELL ENERGY CORPORATION
NORSTAR PETROLEUM
PATRICIA PENROSE SCHIEFFER, TRUSTEE
THE WISER OIL COMPANY
WILLIAMS PRODUCTION COMPANY
WINIFRED K. PONDER c/o ELIZABETH P. FLETCHER

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-583-8800
FAX: (801) 584-6483

133

November 2, 1993

To: Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

RE: Rosa Unit I SEC. NO. 587 - Designation of Agent
Rosa Unit #104 Gallup formation, NE/4 Sec 14, T31N, R4W
Rio Arriba County, New Mexico

Gentlemen:

Enclosed for your review and approval is 1 Original and 3 copies of a Designation of Agent wherein Northwest Pipeline Corporation as Rosa Unit Operator is designating Amoco Production Company to drill and complete the referenced Gallup formation well within the Rosa Unit.

If the Designation of Agent meets with your approval please return an approved copy to the undersigned at the letterhead address.

If you have any questions or comments please call me at (801) 584-6604. We appreciate your assistance in this matter.

Sincerely,

M. Vern Hansen

M. Vern Hansen
Landman

cc: State of New Mexico, Commissioner of Public Lands
State of New Mexico, Oil Conservation Commission
Amoco Production Company, Attn: Jodie West
M. J. Turnbaugh

October 15, 1993

DESIGNATION OF AGENT

Supervisor, Oil and Gas Operations:

The undersigned is, on the records of the Bureau of Land Management, Unit Operator under the Rosa Unit Agreement, Rio Arriba and San Juan Counties, New Mexico, No. I Sec. No.: 587 approved January 6, 1948 and hereby designates:

Name: Amoco Production Company

Address: Amoco Building
1670 Broadway
P.O. Box 800
Denver, Colorado 80201

as its agent, with full authority to act in its behalf in complying with the terms of the Unit Agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to completing the unitized substances in the Gallup formation for the following well:

Rosa Unit #104 NE/4 Sec. 14-T31N-R4W Gallup

It is understood that this Designation of Agent does not relieve the Unit Operator of responsibility for compliance with the terms of the Unit Agreement and the Oil and Gas Operating Regulations. It is also understood that this Designation of Agent does not constitute an assignment of any interest under the Unit Agreement or any lease committed thereto.

In case of default on the part of the designated agent, the Unit Operator will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The Unit Operator agrees promptly to notify the authorized officer of any change in the designated agent.

This Designation of Agent is deemed to be temporary and in no manner a permanent arrangement. It is also understood that this Designation of Agent is limited to field operations and does not include administrative action requiring specific authorization of the unit operator. This designation of agent shall be effective until the well has been completed and connected to the gas sales pipeline and Unit Operator shall take over operations at the time the wells are capable of producing into the gas sales pipeline.

This Designation is subject to the terms and conditions contained in Exhibit "A" attached hereto.

NORTHWEST PIPELINE CORPORATION
Unit Operator

10-26-93
Date

By: Mike J. Turnbaugh

Mike J. Turnbaugh
Manager, Production Engineering

EXHIBIT "A"
Designation of Agent
Rosa Unit Well
104
Gallup Formation

Amoco Production Company ("Agent") indicates its acceptance of this Designation of Agent by placing its authorized signature in the space provided below and agrees to complete said Gallup well as a reasonable and prudent operator in accordance with the terms and conditions of the Rosa Unit Agreement and the Rosa Unit Accounting Agreement, and also agrees to the following conditions.

1. Notify Unit Operator when completion operations are commenced.

2. Furnish Unit Operator with complete daily report, at Agent's expense.

3. Allow representatives of Unit Operator access to the derrick floor at all times.

4. Provide Unit Operator with copies of all records required by the governmental agencies having jurisdiction of the wells.

5. Notify Unit Operator of any intention to plug and abandon wells and allow Unit Operator forty-eight (48) hours in which to concur.

6. Furnish the Bureau of Land Management and the Oil Conservation Commission of the State of New Mexico all proper and necessary reports and well data in the required numbers and time periods as specified by the Bureau of Land Management and the Oil Conservation Commission of the State of New Mexico, with a copy to Unit Operator at the addresses hereinafter provided.

7. Provide the Commissioner of Public Lands of the State of New Mexico with copies of all reports and other well data submitted in accordance with the preceding paragraph.

8. Comply with all regulations of the Federal Oil and Gas Royalty Management Act of 1982 (FOGRMA) and pay any penalty imposed because of Agent's neglect of FOGRMA regulations.

9. Agent agrees to indemnify and defend Unit Operator and all of Unit Operator's affiliated and subsidiary companies and the agents, servants and employees of Unit Operator and all of its affiliated and subsidiary companies and to save and hold them harmless from and against any and all claims or liability (including court costs and attorneys' fees) for damage or loss of property of all character; from and against any and all claims for death, or injury to persons, including, but not limited to, employees or agents of Agent resulting from or arising out of the operations conducted or caused or permitted to be conducted by Agent in connection with the wells described hereinabove; and from and against any and all claims for labor and materials and any other costs and expense in connection with Agent's operations hereunder. Such indemnity by Agent shall apply to any loss or damage or personal injury or death:

(i) which arises directly, indirectly or incident to the Agent's operations;

(ii) without regard to cause or causes thereof, including, without limitation, strict liability, breach of warranty (express or implied), imperfection of materials, condition of any premises or transport to or from such premises;

(iii) whether the claim therefor is based on common law, civil law or statute.

However, such indemnity by Agent shall not apply and may not be relied upon by Unit Operator to the extent that any claim or liability is found by a court or other tribunal of competent jurisdiction to have been caused by the gross negligence or willful misconduct of Unit Operator.

All notices, samples or other information required to be furnished shall be sent to:

NORTHWEST PIPELINE CORPORATION
Attn: Mr. Mike Turnbaugh
P.O. Box 58900
Salt Lake city, UT 84158-0900
Telephone (801) 584-7112

Amoco Production Company

10/25/93
Date

By _____
Attorney-in-Fact

A C K N O W L E D G M E N T

STATE OF COLORADO)
) ss.
COUNTY OF DENVER)

Before me, the undersigned, a Notary Public in and for said County and State, on this day personally appeared Thomas Lapinski known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said Attorney-in-Fact, and that he or she executed the same as the act of such corporation of the purposes and consideration therein expressed, and in the capacity therein stated.

Given under my hand and seal of office this 28th day of October, 1993.

Notary Public

My commission Expires:

8/17/97

JAT/mlg/93002.jat

October 15, 1993

DESIGNATION OF AGENT

Supervisor, Oil and Gas Operations:

The undersigned is, on the records of the Bureau of Land Management, Unit Operator under the Rosa Unit Agreement, Rio Arriba and San Juan Counties, New Mexico, No. I Sec. No.: 587 approved January 6, 1948 and hereby designates:

Name: Amoco Production Company

Address: Amoco Building
1670 Broadway
P.O. Box 800
Denver, Colorado 80201

as its agent, with full authority to act in its behalf in complying with the terms of the Unit Agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to completing the unitized substances in the Gallup formation for the following well:

Rosa Unit #104 NE/4 Sec. 14-T31N-R4W Gallup

It is understood that this Designation of Agent does not relieve the Unit Operator of responsibility for compliance with the terms of the Unit Agreement and the Oil and Gas Operating Regulations. It is also understood that this Designation of Agent does not constitute an assignment of any interest under the Unit Agreement or any lease committed thereto.

In case of default on the part of the designated agent, the Unit Operator will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The Unit Operator agrees promptly to notify the authorized officer of any change in the designated agent.

This Designation of Agent is deemed to be temporary and in no manner a permanent arrangement. It is also understood that this Designation of Agent is limited to field operations and does not include administrative action requiring specific authorization of the unit operator. This designation of agent shall be effective until the well has been completed and connected to the gas sales pipeline and Unit Operator shall take over operations at the time the wells are capable of producing into the gas sales pipeline.

This Designation is subject to the terms and conditions contained in Exhibit "A" attached hereto.

NORTHWEST PIPELINE CORPORATION
Unit Operator

10-26-93
Date

By: Mike J. Turnbaugh

Mike J. Turnbaugh
Manager, Production Engineering

EXHIBIT "A"
Designation of Agent
Rosa Unit Well
104
Gallup Formation

Amoco Production Company ("Agent") indicates its acceptance of this Designation of Agent by placing its authorized signature in the space provided below and agrees to complete said Gallup well as a reasonable and prudent operator in accordance with the terms and conditions of the Rosa Unit Agreement and the Rosa Unit Accounting Agreement, and also agrees to the following conditions.

1. Notify Unit Operator when completion operations are commenced.

2. Furnish Unit Operator with complete daily report, at Agent's expense.

3. Allow representatives of Unit Operator access to the derrick floor at all times.

4. Provide Unit Operator with copies of all records required by the governmental agencies having jurisdiction of the wells.

5. Notify Unit Operator of any intention to plug and abandon wells and allow Unit Operator forty-eight (48) hours in which to concur.

6. Furnish the Bureau of Land Management and the Oil Conservation Commission of the State of New Mexico all proper and necessary reports and well data in the required numbers and time periods as specified by the Bureau of Land Management and the Oil Conservation Commission of the State of New Mexico, with a copy to Unit Operator at the addresses hereinafter provided.

7. Provide the Commissioner of Public Lands of the State of New Mexico with copies of all reports and other well data submitted in accordance with the preceding paragraph.

8. Comply with all regulations of the Federal Oil and Gas Royalty Management Act of 1982 (FOGRMA) and pay any penalty imposed because of Agent's neglect of FOGRMA regulations.

9. Agent agrees to indemnify and defend Unit Operator and all of Unit Operator's affiliated and subsidiary companies and the agents, servants and employees of Unit Operator and all of its affiliated and subsidiary companies and to save and hold them harmless from and against any and all claims or liability (including court costs and attorneys' fees) for damage or loss of property of all character; from and against any and all claims for death, or injury to persons, including, but not limited to, employees or agents of Agent resulting from or arising out of the operations conducted or caused or permitted to be conducted by Agent in connection with the wells described hereinabove; and from and against any and all claims for labor and materials and any other costs and expense in connection with Agent's operations hereunder. Such indemnity by Agent shall apply to any loss or damage or personal injury or death:

(i) which arises directly, indirectly or incident to the Agent's operations;

(ii) without regard to cause or causes thereof, including, without limitation, strict liability, breach of warranty (express or implied), imperfection of materials, condition of any premises or transport to or from such premises;

(iii) whether the claim therefor is based on common law, civil law or statute.

However, such indemnity by Agent shall not apply and may not be relied upon by Unit Operator to the extent that any claim or liability is found by a court or other tribunal of competent jurisdiction to have been caused by the gross negligence or willful misconduct of Unit Operator.

All notices, samples or other information required to be furnished shall be sent to:

NORTHWEST PIPELINE CORPORATION
Attn: Mr. Mike Turnbaugh
P.O. Box 58900
Salt Lake city, UT 84158-0900
Telephone (801) 584-7112

Amoco Production Company

10/29/93
Date

By _____
Attorney-in-Fact

A C K N O W L E D G M E N T

STATE OF COLORADO)
) ss.
COUNTY OF DENVER)

Before me, the undersigned, a Notary Public in and for said County and State, on this day personally appeared Thomas Lapinski known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said Attorney-In-Fact, and that he or she executed the same as the act of such corporation of the purposes and consideration therein expressed, and in the capacity therein stated.

Given under my hand and seal of office this 28th day of October, 1993.

Notary Public

My commission Expires:

8/17/97

JAT/mlg/93002.jat

October 15, 1993

DESIGNATION OF AGENT

Supervisor, Oil and Gas Operations:

The undersigned is, on the records of the Bureau of Land Management, Unit Operator under the Rosa Unit Agreement, Rio Arriba and San Juan Counties, New Mexico, No. I Sec. No.: 587 approved January 6, 1948 and hereby designates:

Name: Amoco Production Company

Address: Amoco Building
1670 Broadway
P.O. Box 800
Denver, Colorado 80201

as its agent, with full authority to act in its behalf in complying with the terms of the Unit Agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to completing the unitized substances in the Gallup formation for the following well:

Rosa Unit #104 NE/4 Sec. 14-T31N-R4W Gallup

It is understood that this Designation of Agent does not relieve the Unit Operator of responsibility for compliance with the terms of the Unit Agreement and the Oil and Gas Operating Regulations. It is also understood that this Designation of Agent does not constitute an assignment of any interest under the Unit Agreement or any lease committed thereto.

In case of default on the part of the designated agent, the Unit Operator will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The Unit Operator agrees promptly to notify the authorized officer of any change in the designated agent.

This Designation of Agent is deemed to be temporary and in no manner a permanent arrangement. It is also understood that this Designation of Agent is limited to field operations and does not include administrative action requiring specific authorization of the unit operator. This designation of agent shall be effective until the well has been completed and connected to the gas sales pipeline and Unit Operator shall take over operations at the time the wells are capable of producing into the gas sales pipeline.

This Designation is subject to the terms and conditions contained in Exhibit "A" attached hereto.

NORTHWEST PIPELINE CORPORATION
Unit Operator

10-26-93
Date

By: Mike J. Turnbaugh
Mike J. Turnbaugh
Manager, Production Engineering

EXHIBIT "A"
Designation of Agent
Rosa Unit Well
104
Gallup Formation

Amoco Production Company ("Agent") indicates its acceptance of this Designation of Agent by placing its authorized signature in the space provided below and agrees to complete said Gallup well as a reasonable and prudent operator in accordance with the terms and conditions of the Rosa Unit Agreement and the Rosa Unit Accounting Agreement, and also agrees to the following conditions.

1. Notify Unit Operator when completion operations are commenced.

2. Furnish Unit Operator with complete daily report, at Agent's expense.

3. Allow representatives of Unit Operator access to the derrick floor at all times.

4. Provide Unit Operator with copies of all records required by the governmental agencies having jurisdiction of the wells.

5. Notify Unit Operator of any intention to plug and abandon wells and allow Unit Operator forty-eight (48) hours in which to concur.

6. Furnish the Bureau of Land Management and the Oil Conservation Commission of the State of New Mexico all proper and necessary reports and well data in the required numbers and time periods as specified by the Bureau of Land Management and the Oil Conservation Commission of the State of New Mexico, with a copy to Unit Operator at the addresses hereinafter provided.

7. Provide the Commissioner of Public Lands of the State of New Mexico with copies of all reports and other well data submitted in accordance with the preceding paragraph.

8. Comply with all regulations of the Federal Oil and Gas Royalty Management Act of 1982 (FOGRMA) and pay any penalty imposed because of Agent's neglect of FOGRMA regulations.

9. Agent agrees to indemnify and defend Unit Operator and all of Unit Operator's affiliated and subsidiary companies and the agents, servants and employees of Unit Operator and all of its affiliated and subsidiary companies and to save and hold them harmless from and against any and all claims or liability (including court costs and attorneys' fees) for damage or loss of property of all character; from and against any and all claims for death, or injury to persons, including, but not limited to, employees or agents of Agent resulting from or arising out of the operations conducted or caused or permitted to be conducted by Agent in connection with the wells described hereinabove; and from and against any and all claims for labor and materials and any other costs and expense in connection with Agent's operations hereunder. Such indemnity by Agent shall apply to any loss or damage or personal injury or death:

(i) which arises directly, indirectly or incident to the Agent's operations;

(ii) without regard to cause or causes thereof, including, without limitation, strict liability, breach of warranty (express or implied), imperfection of materials, condition of any premises or transport to or from such premises;

(iii) whether the claim therefor is based on common law, civil law or statute.

However, such indemnity by Agent shall not apply and may not be relied upon by Unit Operator to the extent that any claim or liability is found by a court or other tribunal of competent jurisdiction to have been caused by the gross negligence or willful misconduct of Unit Operator.

All notices, samples or other information required to be furnished shall be sent to:

NORTHWEST PIPELINE CORPORATION
Attn: Mr. Mike Turnbaugh
P.O. Box 58900
Salt Lake city, UT 84158-0900
Telephone (801) 584-7112

Amoco Production Company

10/28/93
Date

By _____
Attorney-In-Fact

A C K N O W L E D G M E N T

STATE OF COLORADO)
) ss.
COUNTY OF DENVER)

Before me, the undersigned, a Notary Public in and for said County and State, on this day personally appeared Thomas Lapinski, known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said Attorney-In-Fact, and that he or she executed the same as the act of such corporation of the purposes and consideration therein expressed, and in the capacity therein stated.

Given under my hand and seal of office this 28th day of October, 1993.

Notary Public

My commission Expires:

8/17/97

JAT/mlg/93002.jat

October 15, 1993

DESIGNATION OF AGENT

Supervisor, Oil and Gas Operations:

The undersigned is, on the records of the Bureau of Land Management, Unit Operator under the Rosa Unit Agreement, Rio Arriba and San Juan Counties, New Mexico, No. I Sec. No.: 587 approved January 6, 1948 and hereby designates:

Name: Amoco Production Company

Address: Amoco Building
1670 Broadway
P.O. Box 800
Denver, Colorado 80201

as its agent, with full authority to act in its behalf in complying with the terms of the Unit Agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to completing the unitized substances in the Gallup formation for the following well:

Rosa Unit #104 NE/4 Sec. 14-T31N-R4W Gallup

It is understood that this Designation of Agent does not relieve the Unit Operator of responsibility for compliance with the terms of the Unit Agreement and the Oil and Gas Operating Regulations. It is also understood that this Designation of Agent does not constitute an assignment of any interest under the Unit Agreement or any lease committed thereto.

In case of default on the part of the designated agent, the Unit Operator will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The Unit Operator agrees promptly to notify the authorized officer of any change in the designated agent.

This Designation of Agent is deemed to be temporary and in no manner a permanent arrangement. It is also understood that this Designation of Agent is limited to field operations and does not include administrative action requiring specific authorization of the unit operator. This designation of agent shall be effective until the well has been completed and connected to the gas sales pipeline and Unit Operator shall take over operations at the time the wells are capable of producing into the gas sales pipeline.

This Designation is subject to the terms and conditions contained in Exhibit "A" attached hereto.

NORTHWEST PIPELINE CORPORATION
Unit Operator

10-26-13
Date

By: _____
Mike J. Turnbaugh
Manager, Production Engineering

EXHIBIT "A"
Designation of Agent
Rosa Unit Well
104
Gallup Formation

Amoco Production Company ("Agent") indicates its acceptance of this Designation of Agent by placing its authorized signature in the space provided below and agrees to complete said Gallup well as a reasonable and prudent operator in accordance with the terms and conditions of the Rosa Unit Agreement and the Rosa Unit Accounting Agreement, and also agrees to the following conditions.

1. Notify Unit Operator when completion operations are commenced.

2. Furnish Unit Operator with complete daily report, at Agent's expense.

3. Allow representatives of Unit Operator access to the derrick floor at all times.

4. Provide Unit Operator with copies of all records required by the governmental agencies having jurisdiction of the wells.

5. Notify Unit Operator of any intention to plug and abandon wells and allow Unit Operator forty-eight (48) hours in which to concur.

6. Furnish the Bureau of Land Management and the Oil Conservation Commission of the State of New Mexico all proper and necessary reports and well data in the required numbers and time periods as specified by the Bureau of Land Management and the Oil Conservation Commission of the State of New Mexico, with a copy to Unit Operator at the addresses hereinafter provided.

7. Provide the Commissioner of Public Lands of the State of New Mexico with copies of all reports and other well data submitted in accordance with the preceding paragraph.

8. Comply with all regulations of the Federal Oil and Gas Royalty Management Act of 1982 (FOGRMA) and pay any penalty imposed because of Agent's neglect of FOGRMA regulations.

9. Agent agrees to indemnify and defend Unit Operator and all of Unit Operator's affiliated and subsidiary companies and the agents, servants and employees of Unit Operator and all of its affiliated and subsidiary companies and to save and hold them harmless from and against any and all claims or liability (including court costs and attorneys' fees) for damage or loss of property of all character; from and against any and all claims for death, or injury to persons, including, but not limited to, employees or agents of Agent resulting from or arising out of the operations conducted or caused or permitted to be conducted by Agent in connection with the wells described hereinabove; and from and against any and all claims for labor and materials and any other costs and expense in connection with Agent's operations hereunder. Such indemnity by Agent shall apply to any loss or damage or personal injury or death:

(i) which arises directly, indirectly or incident to the Agent's operations;

(ii) without regard to cause or causes thereof, including, without limitation, strict liability, breach of warranty (express or implied), imperfection of materials, condition of any premises or transport to or from such premises;

(iii) whether the claim therefor is based on common law, civil law or statute.

However, such indemnity by Agent shall not apply and may not be relied upon by Unit Operator to the extent that any claim or liability is found by a court or other tribunal of competent jurisdiction to have been caused by the gross negligence or willful misconduct of Unit Operator.

All notices, samples or other information required to be furnished shall be sent to:

NORTHWEST PIPELINE CORPORATION
Attn: Mr. Mike Turnbaugh
P.O. Box 58900
Salt Lake city, UT 84158-0900
Telephone (801) 584-7112

Amoco Production Company

10/20/93
Date

By _____
Attorney-in-Fact

A C K N O W L E D G M E N T

STATE OF COLORADO)
) ss.
COUNTY OF DENVER)

Before me, the undersigned, a Notary Public in and for said County and State, on this day personally appeared Thomas Lepinski known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said Attorney-In-Fact, and that he or she executed the same as the act of such corporation of the purposes and consideration therein expressed, and in the capacity therein stated.

Given under my hand and seal of office this 28th day of October, 1993.

Notary Public

My commission Expires:

8/17/97

JAT/mlg/93002.jat

State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

RAY B. POWELL
COMMISSIONER

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

November 17, 1993

Northwest Pipeline Corporation
P.O. Box 58900
Salt Lake City, Utah 84158-0900

Attention: Mr. M. Vern Hansen

Re: Designation of Agent
Rosa Unit 1, Well No. 104
Gallup Formation
NE¼, Section 14-31N-4W
Rio Arriba County, New Mexico

Dear Mr. Hansen:

This office is in receipt of your letter of November 2, 1993, wherein Northwest Pipeline Corporation as the current Rosa Unit operator is designating Amoco Production Company as an Agent to drill and complete the above-captioned well within the Rosa Unit.

Please be advised that the Commissioner of Public Lands has this date approved your request.

It is our understanding that the Designation of Agent does not relieve the Unit Operator of any of its responsibilities nor does it give the Designation of Agent an assignment of interest and is temporary.

Our approval is subject to like approval by the Bureau of Land Management and the New Mexico Oil Conservation Division.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY B. POWELL, M.S., D.V.M
COMMISSIONER OF PUBLIC LANDS

BY: Floyd O. Prando

FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744
RBP/FOP/pm
cc: Reader File
BLM-Farmington
OCD-Santa Fe

Viewing Comloc table with form F: Record 262 of 1005 Main ë

Comloc #	262
T-R-S-U:	18S-30E-02-F
WELL OPERATOR:	MEWBOURNE OIL CO.
COM NAME:	STATE CE WELL #2
Original com operator:	MEWBOURNE OIL CO.
Pun:	
Z-code:	
Inst.:	CS
Active communitizations:	NW4
County:	EDDY
Eff. date:	11/19/92
App. date:	11/12/93
Acreage:	160.82
State:	160.82
Federal:	0
Other:	0
Leases:	E7811*,E7811-1
POOL:	CEDAR LAKE STRAWN
LAST PROD.:	>11/92
Remarks:	OCD ORDER NO. R-9554-A APPROVED NSP

11-13-1993

SECTION 02 TOWNSHIP 18 South RANGE 30 East

D 40.43 MALCO REFINERIE C 02 64 E7811	C 40.39 MALCO REFINERIE C 02 64 E7811	B 40.37 MALCO REFINERIE C 02 64 E7811	A 40.33 MALCO REFINERIE C-G 02 64 E7811
E YATES C-N 02 64 E7811-1	F MALCO REFINERIE C-O 02 64 E7811	G MALCO REFINERIE C-O 02 64 E7811	H MALCO REFINERIE C 02 64 E7811
L MEWBOURNE OIL OIL 06 47 B7071-21	K MEWBOURNE OIL OIL 06 47 B7071-21	J YATES C-O 06 47 B7071-19	I HONDO C 06 47 B7071-20
M MEWBOURNE OIL OIL 06 47 B7071-21	N MEWBOURNE OIL OIL 06 47 B7071-21	O MALCO REFINERIE COO 02 64 E7811	P MALCO REFINERIE C 02 64 E7811

Viewing Comloc table with form F: Record 304 of 1004 Main ë

Comloc # 304

T-R-S-U:	19S-27E-26-A
WELL OPERATOR:	MEWBOURNE OIL COMPANY
COM NAME:	ANGELL RANCH "26" COM WELL #1
Original com operator:	MEWBOURNE OIL CO.
Pun:	
Z-code:	
Inst.:	NMSU
Active communitizations:	N2
County:	EDDY
Eff. date:	11/1/92
App. date:	11/10/93
Acreage:	320
State:	320
Federal:	0
Other:	0
Leases:	648-145*,V3456,E952-3,
POOL:	ANGELL RANCH ATOKA MORROW
LAST PROD.:	>11/92

Remarks: LG2838-3: WELL IS CURRENTLY COMPLETED IN THE MORROW:

11-10-1993

SECTION 26 TOWNSHIP 19 South RANGE 27 East

D MEWBOURNE OIL C 06 85 LG2838-3	C R. MOMSEN C 08 56 E0952-3	B DREYFUS GAS C 11 32 648-145	A DREYFUS GAS C-G 11 32 648-145
E MEWBOURNE OIL C 10 95 V3456	F MEWBOURNE OIL C 10 95 V3456	G DREYFUS GAS C 11 32 648-145	H DREYFUS GAS C 11 32 648-145
L MEWBOURNE OIL 10 95 V3456	K MEWBOURNE OIL 10 95 V3456	J MEWBOURNE OIL 12 96 V3908	I MEWBOURNE OIL 06 85 LG2838-3
M MEWBOURNE OIL 06 85 LG2838-3	N CHEVRON 08 56 E0952-15	O MEWBOURNE OIL 06 85 LG2838-3	P MEWBOURNE OIL 06 85 LG2838-3

Viewing Comloc table with form F: Record 233 of 1004 Main ë

Comloc # 233	
T-R-S-U:	18S-26E-16-N
WELL OPERATOR:	YATES PETROLEUM CORP.
COM NAME:	WEST DAYTON AJR COM WELL #1
Original com operator:	YATES PETROLEUM CORP.
Pun:	
Z-code:	
Inst.:	CS
Active communitizations:	S2
County:	EDDY
Eff. date:	10/1/93
App. date:	11/10/93
Acreage:	320
State:	320
Federal:	0
Other:	0
Leases:	V186,E9891-2*
POOL:	PENNSYLVANIAN
LAST PROD.:	>10/93
Remarks:	WELL IS CURRENTLY COMPLETED IN THE MORROW: WEST ATOKA MORROW POOL

11-10-1993

SECTION 16 TOWNSHIP 18 South RANGE 26 East

D HEYCO C 05 84 V0186	C HEYCO C 05 84 V0186	B HEYCO C 05 84 V0186	A HEYCO C 05 84 V0186
E HEYCO C 05 84 V0186	F HEYCO C-G 05 84 V0186	G HEYCO C 05 84 V0186	H YATES PET CORP C 03 66 E9891-2
L HEYCO C 05 84 V0186	K YATES PET CORP C 03 66 E9891-2	J YATES PET CORP C 03 66 E9891-2	I HEYCO C 05 84 V0186
M YATES PET CORP C 03 66 E9891-2	N YATES PET CORP C-G 03 66 E9891-2	O YATES PET CORP C 03 66 E9891-2	P HEYCO C 05 84 V0186

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-583-8800
FAX: (801) 584-6483

March 15, 1994

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resources Area
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico
Commissioner of Public Lands
Attention: Mr. Floyd O. Prando
P. O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attention: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: Rosa Unit I, Sec. NO. 587
San Juan and Rio Arriba Counties, New Mexico
1994 Plan of Development

Gentlemen:

By letters of February 16, and June 28, 1993, Northwest Pipeline Corporation, as Unit Operator, filed the 1993 Plan of Development for the referenced Unit. The Plan of Development indicated that 8 Dakota formation wells would be drilled during 1993 in the Unit. The Rosa Unit #96, #131, and #132 wells were drilled during 1993. The Rosa Unit #110, #133, #134, #135, and #136 were not drilled and will be dropped from the Plan of Development. In August of 1989, Northwest Pipeline Corporation designated Meridian Oil Production, Inc., as Suboperator of the Fruitland Formation in the Rosa Unit, therefore, Meridian Oil Production, Inc., will provide an accounting of the Fruitland Coal Formation wells drilled during 1993, as well as any Fruitland Formation wells under prior years drilling programs which are operated by Meridian.

As of this date, the total number of wells drilled and operated by Northwest Pipeline Corporation in the Rosa Unit on acreage committed to the Unit is as follows:

Pictured Cliffs, plugged and abandoned	2
Pictured Cliffs, Mesaverde (Pictured Cliffs non-commercial, Mesaverde commercial)	1
Mesaverde, commercial	26
Mesaverde, non-commercial	4
Mesaverde, plugged and abandoned	9
Mesaverde/Dakota, commercial	2
Dakota, commercial	3
Dakota, non-commercial	13
Dakota, undetermined	10
Dakota, plugged and abandoned	4
Mesaverde/Gallup/Dakota (Gallup non-commercial, Dakota and Mesaverde commercial)	1
Gallup/Dakota (Gallup non-commercial, Dakota commercial)	3
Gallup/Dakota, commerciality undetermined	1
Gallup/Dakota, non-commercial	13
Gallup, non-commercial	1
Gallup/Dakota (Gallup commerciality undetermined, Dakota plugged and abandoned)	2
Gallup/Dakota, plugged and abandoned	3
TOTAL	98

The participating Areas which have been established in the Rosa Unit are as follows:

Formation	Revision	Effective
Mesaverde	Fifteenth	January 1, 1983
Dakota	Eighth	January 1, 1985

Pursuant to Section 9 of the Rosa Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, is submitting a Plan of Development providing for the drilling of the following during 1994:

WELL NUMBER	DRILLING BLOCK		FORMATION
Rosa Unit #1E (Mesaverde-Dakota Dual)	E/2	Sec 11, T13N, R6W	Mesaverde
	E/2	Sec 11, T31N, R6W	Dakota
Rosa Unit #5A (Pictured Cliffs -	SE/4	Sec 26, T31N, R6W	Pictured Cliffs
Mesaverde Dual)	E/2	Sec 26, T31N, R6W	Mesaverde
Rosa Unit #8A (Pictured Cliffs -	NW/4	Sec 26, T31N, R6W	Pictured Cliffs
Mesaverde Dual)	W/2	Sec 26, T31N, R6W	Mesaverde
Rosa Unit #18A (Pictured Cliffs -	SE/4	Sec 22, T31N, R6W	Pictured Cliffs
Mesaverde Dual)	E/2	Sec 22, T31N, R6W	Mesaverde
Rosa Unit #32 (Pictured Cliffs -	NE/4	Sec 21, T31N, R6W	Pictured Cliffs
Mesaverde Dual)	N/2	Sec 21, T31N, R6W	Mesaverde
Rosa Unit #32A (Pictured Cliffs -	NW/4	Sec 21, T31N, R6W	Pictured Cliffs
Mesaverde Dual)	N/2	Sec 21, T31N, R6W	Mesaverde
Rosa Unit #29A (Pictured Cliffs -	NW/4	Sec 22, T31N, R6W	Pictured Cliffs
Mesaverde Dual)	W/2	Sec 22, T31N, R6W	Mesaverde

Rosa Unit #88A (Pictured Cliffs -	SW/4	Sec 8, T31N, R6W	Pictured Cliffs
Mesaverde Dual)	W/2	Sec 8, T31N, R6W	Mesaverde
*Rosa Unit #100E (Pictured Cliffs -	SE/4	Sec 21, T31N, R6W	Pictured Cliffs
Mesaverde Dual)	S/2	Sec 21, T31N, R6W	Mesaverde
*Rosa Unit #131	SE/4	Sec 12, T31N, R5W	Pictured Cliffs
*Rosa Unit #132	SW/4	Sec 22, T31N, R5W	Pictured Cliffs
Rosa Unit #137 (Pictured Cliffs -	SW/4	Sec 31, T31N, R5W	Pictured Cliffs
Mesaverde Dual)	W/2	Sec 31, T31N, R5W	Mesaverde
Rosa Unit #138 (Pictured Cliffs	SE/4	Sec 17, T31N, R6W	Pictured Cliffs
Mesaverde Dual)	E/2	Sec 17, T31N, R6W	Mesaverde
Rosa Unit #138A (Pictured Cliffs -	NE/4	Sec 17, T31N, R6W	Pictured Cliffs
Mesaverde Dual)	E/2	Sec 17, T31N, R6W	Mesaverde
Rosa Unit #139 (Pictured Cliffs	NW/4	Sec 17, T31N, R6W	Pictured Cliffs
Mesaverde Dual)	W/2	Sec 17, T31N, R6W	Mesaverde
Rosa Unit #140	SW/4	Sec 22, T31N, R6W	Pictured Cliffs
Rosa Unit #141	SW/4	Sec 26, T31N, R6W	Pictured Cliffs
Rosa Unit #142	SW/4	Sec 15, T31N, R6W	Pictured Cliffs
Rosa Unit #143	NE/4	Sec 22, T31N, R6W	Pictured Cliffs
Rosa Unit #144	NE/4	Sec 26, T31N, R6W	Pictured Cliffs
Rosa Unit #145 (Pictured Cliffs -	NE/4	Sec 16, T31N, R6W	Pictured Cliffs
Mesaverde Dual)	N/2	Sec 16, T31N, R6W	Mesaverde
Rosa Unit #145A (Pictured Cliffs -	NW/4	Sec 16, T31N, R6W	Pictured Cliffs
Mesaverde Dual)	N/2	Sec 16, T31N, R6W	Mesaverde

*These wells are being plugged back and recompleted from existing Dakota formation wellbores.

Northwest Pipeline Corporation,as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the enclosed sheet and return an approved copy to Northwest Pipeline Corporation.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION

Darrell L. Gillen
Manager, Leasehold Properties

Enclosure

cc: Working Interest Owners
Brent W. Hale
Mike Turnbaugh

APPROVED _____ DATE _____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the Commissioner of Public Lands
and the Oil Conservation Commission

APPROVED _____ DATE _____

Commissioner of Public Lands
Subject to like approval by the Area Oil and Gas Supervisor
and the Oil Conservation Commission

APPROVED _____ DATE 3/28/94

Oil Conservation Commission
Subject to like approval by the Area Oil and Gas Supervisor
and the Commissioner of Public Lands

The foregoing approvals are for the 1994 Plan of Development for the Rosa Unit I, Sec NO. 587.

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
SOUTHERN DIVISION, PRODUCTION MANAGER
1670 BROADWAY
P O BOX 800
DENVER CO 80201

COASTAL OIL & GAS CORPORATION
ATTN MR JOHN R KENNEDY
P O BOX 749
DENVER CO 80201 0749

MR FRANK A SCHULTZ
LINCOLN PLAZA SUITE 2160 LO-1
500 NORTH ARARO
DALLAS TX 75201

MR FRED E TURNER
ONE ENERGY SQUARE SUITE 852
4925 GREENVILLE AVENUE
DALLAS TX 75206 4079

MR J GLENN TURNER JR
500 1 TV CENTER
2001 ROSS AVENUE
DALLAS TX 75201

MR JOHN BRENNAND
EXECUTOR OF ESTATE OF J R BRENNAND
P O BOX 6616
SANTA BARBARA CA 93160

MR JOHN TURNER
4245 N CENTRAL EXPRESSWAY SUITE 480
DALLAS TX 75205

MS LOIS J WILLARD
P O BOX 5205
SANTA FE NM 87502

MS ELIZABETH T CALLOWAY
4801 ST JOHNS DRIVE
DALLAS TX 75205

MARY FRANCIS TURNER JR
TRUST (6743)
AMERITRUST TEXAS NA TRUSTEE
P O BOX 2320
DALLAS TX 75221 2320

MERIDIAN OIL PRODUCTION INC
LAND DEPARTMENT
P O BOX 4289
FARMINGTON NM 87499

MITCHELL ENERGY CORPORATION
ATTN MR JERRY TAYLOR
P O BOX 4000
THE WOODLANDS TX 77380 4000

MS PATRICIA PENROSE SCHIEFFER TRUSTEE
1640 FIRST CITY BANK TOWER
201 MAIN STREET
FORT WORTH TX 76102

PHILLIPS PETROLEUM COMPANY
ATTN JAY KIEKE
5525 HWY 64 NBU 3004
FARMINGTON NM 87401

THE WISER OIL COMPANY
P O BOX 192
SISTERSVILLE, WV 26175

MR WILLIAM G WEBB
2200 ROSS AVENUE SUITE 2200
DALLAS TX 75201 6776

MS ELIZABETH P FLETCHER
C/O MR BARRON FLETCHER
315 WEST 57TH STREET APT 18-F
NEW YORK NY 10019

MS ANNE P DICKSON
6140 DELOACHE
DALLAS TX 75205

MERIDIAN OIL

March 1, 1993

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501

Commissioner of Public Lands
P.O. Box 1148
Santa Fe, NM 87501

RE: **1993 Plan of Development**
Rosa Unit, I Sec. No. 587
Fruitland Formation
San Juan & Rio Arriba Counties, New Mexico

Gentlemen:

By letters dated March 1, 1992 and April 14, 1992, Meridian Oil Inc. (Meridian), as Unit Sub-Operator for the Rosa Unit, filed the Fruitland formation Plans of Development (POD) for the calendar year 1992. These programs provided for the drilling of twenty-two (22) Fruitland Coal wells and the recompletion of one Dakota well into the Fruitland formation. Fruitland Coal wells actually drilled during 1992 were the Rosa Unit #287, #294 and #315. The Rosa Unit #63 well was recompleted into the Fruitland formation and plugged and abandoned in the Dakota formation. The Fruitland owners are no longer utilizing the Rosa Unit #94 well as a salt water disposal facility.

As of this date, the total number of wells in the Rosa Unit Fruitland formation are as follows:

Fruitland Coal, Commerciality undetermined	92

A participating area for the Fruitland Coal formation has not been established to date. Meridian now anticipates filing commerciality studies by the 3rd quarter of 1993.

Pursuant to Section 9 of the Rosa Unit Agreement, Meridian Oil Inc., as Unit Sub-Operator, hereby submits the following wells, as requested by Evergreen Operating Corporation, for the 1993 Plan of Development. Evergreen will drill these wells under a Designation of Agent Agreement.

WELL NAME	PROPOSED LOCATION	PROPOSED SPACING UNIT	FORMATION
Rosa Unit #288	NW/4 SW/4 Sec. 4-31N-4W	W/2 Section 4	Fruitland Coal
Rosa Unit #298	SE/4 SW/4 Sec. 14-31N-4W	S/2 Section 14	Fruitland Coal

Meridian has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of the above listed wells during the calendar year 1993.

Meridian, as Unit Sub-Operator, plans to drill any offset Fruitland formation wells required to prevent drainage of unitized substances and any other Fruitland formation wells deemed necessary or desirable by the Unit Sub-Operator and the working interest owners.

If this POD is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the attention of the undersigned at the letterhead address.

Copies of this letter are being sent to the working interest owners as shown on the attached distribution sheet.

Very truly yours,

Kent Beers
Attorney-in-Fact

KOB:AA:ll
Enclosures
cc: Rosa Unit, 3.0

APPROVED:_____ DATE:_____

Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

APPROVED:_____ DATE:_____

Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and
the Oil Conservation Division)

APPROVED:_____ DATE: 3-11-93

Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

The foregoing approvals are for the 1993 Plan of Development for the Fruitland Formation in the Rosa Unit, I. Sec. No. 587, San Juan and Rio Arriba Counties, New Mexico.

ROSA UNIT WORKING INTEREST OWNERS

Amoco Production Company

Coastal Oil & Gas Corp.

Elizabeth T. Calloway

Winifred K. Ponder
c/o Texas Commerce Bank of El Paso

Frank A. Schultz

Fred E. Turner

J. Glenn Turner, Jr.

John Brennand, Executor

John L. Turner

Lois J. Willard

Ameritrust Texas N.A., Trustees for
Mary Frances Turner, Jr.

Mitchell Energy Corporation

Williams Production Company

Patricia Penrose Schieffer, Trustee

Phillips Petroleum Company

The Wiser Oil Company

William G. Webb

Evergreen Resources

Fuel Resources, Inc.

JIM BACA
COMMISSIONER

State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

SLO REF NO. OG-1253

March 11, 1993

Northwest Pipeline Corporation
P.O. Box 8900
Salt Lake City, Utah 84108-0900

Attn: Mr. Darrell L. Gillen

Re: 1993 Plan of Development
Rosa Unit
San Juan & Rio Arriba Counties, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the unit may exist. You will be contacted at a later date regarding these possibilities.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: Floyd O Prando
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

JB/FOP/pm
cc: OCD
BLM

JIM BACA
COMMISSIONER

State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

SLO REF NO. OG-1273

March 17, 1993

Meridian Oil Inc.
P.O. Box 4289
Farmington, New Mexico 87499-4289

Attn: Mr. Kent Beers

Re: 1993 Plan of Development
Rosa Unit
San Juan & Rio Arriba Counties, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the unit may exist. You will be contacted at a later date regarding these possibilities.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: Floyd Prando
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

JB/FOP/pm
cc: OCD
BLM

RAY B. POWELL
COMMISSIONER

State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

SLO REF NO. OG-1317

July 12, 1993

Northwest Pipeline Corporation
P.O. Box 58900
Salt Lake City, Utah 84158-0900

Attn: Mr. Darrell L. Gillen

Re: 1993 1st Supplemental Plan of Development
Rosa Unit
San Juan & Rio Arriba Counties, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the unit may exist. You will be contacted at a later date regarding these possibilities.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY B. POWELL
COMMISSIONER OF PUBLIC LANDS

BY: Floyd O Prando

FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

RBP/FOP/pm
cc: OCD
BLM

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-583-8800
FAX: (801) 584-6483

DIVISION

JUL 9 00

June 30, 1993

To: Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

RE: ROSA UNIT I SEC. NO. 587 - Designation of Agent
Rosa Unit #96 Dakota formation, SW/4 Sec 17, T31N, R6W
Rosa Unit #131 Dakota formation, SE/4 Sec 12, T31N, R5W
Rosa Unit #132 Dakota formation, SW/4 Sec 22, T31N, R5W
San Juan and Rio Arriba Counties, New Mexico

Gentlemen:

Enclosed for your review and approval is 1 Original and 3 copies of a Designation of Agent wherein Northwest Pipeline Corporation as Rosa Unit operator is designating Amoco Production Company to drill and complete the 3 referenced Dakota formation wells within the Rosa Unit.

If this Designation of Agent meets with your approval please return an approved copy to the undersigned at the letterhead address.

If you have any questions or comments please call me at (801) 584-6604. We appreciate your assistance in this matter.

Sincerely,

M. Vern Hansen

M. Vern Hansen
Landman

cc: State of New Mexico, Commissioner of Public Lands
State of New Mexico, Oil Conservation Commission
Amoco Production Company, ATTN: Jodie West
M. J. Turnbaugh

June 24, 1993

DESIGNATION OF AGENT

Supervisor, Oil and Gas Operations:

The undersigned is, on the records of the Bureau of Land Management, Unit Operator under the Rosa Unit Agreement, Rio Arriba and San Juan Counties, New Mexico, No. I Sec. No.: 587 approved January 6, 1948 and hereby designates:

Name: Amoco Production Company

Address: Amoco Building
1670 Broadway
P.O. Box 800
Denver, Colorado 80201

as its agent, with full authority to act in its behalf in complying with the terms of the Unit Agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing and completing the unitized substances in the Dakota formation for the following wells:

Rosa Unit #96	SW/4 Sec. 17, T31N, R6W	Dakota
Rosa Unit #131	SE/4 Sec. 12, T31N, R5W	Dakota
Rosa Unit #132	SW/4 Sec. 22, T31N, R5W	Dakota

It is understood that this Designation of Agent does not relieve the Unit Operator of responsibility for compliance with the terms of the Unit Agreement and the Oil and Gas Operating Regulations. It is also understood that this Designation of Agent does not constitute an assignment of any interest under the Unit Agreement or any lease committed thereto.

In case of default on the part of the designated agent, the Unit Operator will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The Unit Operator agrees promptly to notify the authorized officer of any change in the designated agent.

This Designation of Agent is deemed to be temporary and in no manner a permanent arrangement. It is also understood that this Designation of Agent is limited to field operations and does not include administrative action requiring specific authorization of the unit operator. This designation of agent shall be effective until the wells have been drilled, completed and connected to the gas sales pipeline and Unit Operator shall take over operations at the time the wells are capable of producing into the gas sales pipeline. Amoco shall give Unit Operator 30 days written notice prior to connecting the wells.

This Designation is subject to the terms and conditions contained in Exhibit "A" attached hereto.

NORTHWEST PIPELINE CORPORATION
Unit Operator

June 29, 1993
Date

By: Brent W. Hale
Brent W. Hale, Attorney-In-Fact

MW 6-30-93

EXHIBIT "A"
Designation of Agent
Rosa Unit Wells
96, 131, 132
Dakota Formation

Amoco Production Company ("Agent") indicates its acceptance of this Designation of Agent by placing its authorized signature in the space provided below and agrees to drill, complete, or plug and abandon said Dakota wells as a reasonable and prudent operator in accordance with the terms and conditions of the Rosa Unit Agreement and the Rosa Unit Accounting Agreement, and also agrees to the following conditions.

1. Submit to Unit Operator's representative for approval all casing programs and equipment specifications prior to the drilling of any well.

2. Notify Unit Operator when drilling operations are commenced.

3. Furnish Unit Operator with complete daily driller's tour report, at Agent's expense.

4. Furnish Unit Operator with daily reports by telephone call or facsimile at Agent's expense, as to the formation or formations penetrated during the previous day's drilling, the depth at which each formation is encountered, and the depth at which the report is made.

5. Allow representatives of Unit Operator access to the derrick floor at all times.

6. Notify Unit Operator of intentions to core, drill stem test, stimulate, or run well surveys in sufficient time to enable Unit Operator's representatives to be present; and also notify Unit Operator in sufficient time in order that Unit Operator may attend and witness any and all potential tests and packer leakage.

7. Cause all cores having shows of oil or gas to be analyzed by a competent core analysis laboratory. Three preliminary and three final copies of any conventional core analysis will be furnished to Unit Operator. Any special core analysis performed at the request of the Agent will be considered proprietary information and will be paid for solely by the agent.

8. Furnish Unit Operator two field prints and three final prints of all well surveys made during drilling or upon completion of the wells.

9. Furnish Unit Operator a representative and adequate cut of all cores except the special cores referred to in

paragraph 7 above and ditch samples taken during the drilling of the wells.

10. Provide Unit Operator with copies of drilling time records, hole deviation tests and all records required by the governmental agencies having jurisdiction of the wells.

11. Notify Unit Operator of any intention to plug and abandon wells and allow Unit Operator forty-eight (48) hours in which to concur.

12. Furnish the Bureau of Land Management and the Oil Conservation Commission of the State of New Mexico all proper and necessary reports and well data in the required numbers and time periods as specified by the Bureau of Land Management and the Oil Conservation Commission of the State of New Mexico, with a copy to Unit Operator at the addresses hereinafter provided.

13. Provide the Commissioner of Public Lands of the State of New Mexico with copies of all reports and other well data submitted in accordance with the preceding paragraph.

14. Comply to all regulations of the Federal Oil and Gas Royalty Management Act of 1982 (FOGRMA) and pay any penalty imposed because of Agent's neglect of FOGRMA regulations.

15. Agent agrees to indemnify and defend Unit Operator and all of Unit Operator's affiliated and subsidiary companies and the agents, servants and employees of Unit Operator and all of its affiliated and subsidiary companies and to save and hold them harmless from and against any and all claims or liability (including court costs and attorneys' fees) for damage or loss of property of all character; from and against any and all claims for death, or injury to persons, including, but not limited to, employees or agents of Agent resulting from or arising out of the operations conducted or caused or permitted to be conducted by Agent in connection with the wells described hereinabove; and from and against any and all claims for labor and materials and any other costs and expense in connection with Agent's operations hereunder. Such indemnity by Agent shall apply to any loss or damage or personal injury or death:

    (i) which arises directly, indirectly or incident to the Agent's operations;

    (ii) without regard to cause or causes thereof, including, without limitation, strict liability, breach of warranty (express or implied), imperfection of materials, condition of any premises or transport to or from such premises;

(iii) whether the claim therefore is based on common law, civil law or statute.

However, such indemnity by Agent shall not apply and may not be relied upon by Unit Operator to the extent that any claim or liability is found by a court or other tribunal of competent jurisdiction to have been caused by the gross negligence or willful misconduct of Unit Operator.

All notices, samples or other information required to be furnished shall be sent to:

NORTHWEST PIPELINE CORPORATION
Attn: Mr. Mike Turnbaugh
P.O. Box 58900
Salt Lake city, UT 84158-0900
Telephone (801) 584-7112

Amoco Production Company

6-28-93
Date

By _____
Attorney-in-Fact

A C K N O W L E D G M E N T

STATE OF COLORADO)
) ss.
COUNTY OF DENVER)

Before me, the undersigned, a Notary Public in and for said County and State, on this day personally appeared Thomas Lapinski known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said Amoco Production Company, and that he or she executed the same as the act of such corporation of the purposes and consideration therein expressed, and in the capacity therein stated.

Given under my hand and seal of office this 28th day of June, 1993.

Mary Lynn Green
Notary Public

My commission Expires:

1-22-95

MARY LYNN GREEN
NOTARY PUBLIC
STATE OF COLORADO

JBW/mlg/93009.jbw

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-583-8800
FAX: (801) 584-6483

June 28, 1993

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

Mr. Floyd O. Prando
Commissioner of Public Lands
State of New Mexico
P O Box 1148
Santa Fe, NM 87504-1148

Mr. William J. LeMay
Oil Conservative Commission
State of New Mexico
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

RE: ROSA UNIT I, SEC. NO. 587
SAN JUAN AND RIO ARRIBA COUNTIES, NEW MEXICO
FIRST SUPPLEMENTAL - 1993 PLAN OF DEVELOPMENT

Gentlemen:

By letter dated February 16, 1993, Northwest Pipeline Corporation, as Unit Operator, filed the 1993 Plan of Development for the referenced Unit.

Subsequent to filing the 1993 Plan of Development it has been proposed that Eight (8) new wells be drilled in the Rosa Unit during 1993.

The proposed wells are as follows:

Well Number	Drilling Block	Formation
Rosa Unit #96	W/2 SEC 17,T31N,R6W	Dakota
Rosa Unit #110	W/2 SEC 15,T31N,R5W	Dakota
Rosa Unit #131	E/2 SEC 12,T31N,R5W	Dakota
Rosa Unit #132	W/2 SEC 22,T31N,R5W	Dakota
Rosa Unit #133	E/2 SEC 33,T32N,R6W	Dakota
Rosa Unit #134	S/2 SEC 35,T32N,R6W	Dakota
Rosa Unit #135	E/2 SEC 15,T31N,R5W	Dakota
Rosa Unit #136	E/2 SEC 16,T31N,R5W	Dakota

Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this First Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the enclosed sheet and return an approved copy to Northwest Pipeline Corporation.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the enclosed sheet.

Sincerely,
Northwest Pipeline Corporation

Darrell L. Gillen

Darrell L. Gillen, Manager
Leasehold Properties

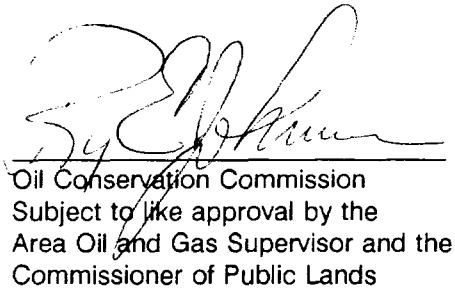
DLG:jw
Enclosure

cc: Working Interest Owners
M. J. Turnbaugh

MVH/93171.MVH

APPROVED: _____ **DATE:** _____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and the
Oil Conservation Commission

APPROVED: _____ **DATE:** _____
Commissioner of Public Lands
Subject to like approval by the
Area Oil and Gas Supervisor and the
Oil Conservation Commission

APPROVED:  **DATE:** 7-8-93
Oil Conservation Commission
Subject to like approval by the
Area Oil and Gas Supervisor and the
Commissioner of Public Lands

The foregoing approvals are the First Supplimental 1993 Plan of Developement for the Rosa Unit I, Sec. No. 587.

MVH/L93172

WORKING INTERST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
SOUTHERN DIVISION PRODUCTION MANAGER
1670 BROADWAY
P O BOX 800
DENVER CO 80201

COASTAL OIL AND GAS CORPORATION
ATTN MR JOHN R KENNEDY
P O BOX 749
DENVER CO 80201-0749

MR FRANK A SCHULTZ
LINCOLN PLAZA SUITE 2160 LO-1
500 NORTH ARARO
DALLAS TX 75201

MR FRED E TURNER
ONE ENERGY SQUARE SUITE
4925 GREENVILLE AVENUE
DALLAS TX 75206-4079

MR J GLENN TURNER JR
500 1 TV CENTER
2001 ROSS AVENUE
DALLAS TX 75201

MR JOHN BRENNAND
EXECUTOR OF ESTATE OF J R BRENNAND
P O BOX 6616
SANTA BARBARA CA 93160

MR JOHN TURNER
8585 NORTH SIMMONS SUITE 925N
DALLAS TX 75747

MS LOIS J WILLARD
P O BOX 5205
SANTA FE, NM 87502

MS ELIZABETH T CALLOWAY
4801 ST JOHN DRIVE
DALLAS TX 75205

MARY FRANCIS TURNER JR
TRUST (6734)
AMERITRUST TEXAS NA TRUSTEE
P O BOX 2320
DALLAS TX 75221-2320

MERIDIAN OIL PRODUCTION INC
LAND DEVELOPEMENT
P O BOX 4289
FARMINGTON NM 87401

MITCHELL ENERGY CORPORATION
ATTN MR JERRY TAYLOR
P O BOX 4000
THE WOODLANDS TX 77380-4000

MS PATRICIA RENROSE SCHIEFFER TRUSTEE
1640 FIRST CITY BANK TOWER
201 MAIN STREET
FORT WORTH TX 76102

PHILLIPS PETROLIUM COMPANY
ATTN JAY KIEKE
300 WEST ARRINGTON SUITE
FARMINGTON NM 87401

THE WISER OIL COMPANY
P O BOX 192
SISTERVILLE WV 26175

MR WILLIAM G WEBB
2200 ROSS AVENUE SUITE 2200
DALLAS TX 75201-6776

MS ELIZABETH P FLETCHER
C/O MR BARRON FLETCHER
315 WEST 57TH STREET APT 18-F
NEW YORK NY 10019

MS ANNE P DICKSON
6140 DELACHE
DALLAS TX 75205

#133

State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

JIM BACA
COMMISSIONER

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

August 11, 1992

Meridian Oil Inc.
P. O. Box 4289
Farmington, New Mexico 87499

Attn: Mr. Kent Beers

Re: Change of Operator
Rosa Unit Well No. 311
San Juan and Rio Arriba Counties, New Mexico

Dear Mr. Beers:

The New Mexico Oil Conservation Division has notified this office that the Rosa Unit Well No. 311 has had an operator change from Parker & Parsley Dev. Co. to Evergreen Operating Corp. Enclosed is a copy of the New Mexico Oil Conservation Division's change of operator list dated July 24, 1992.

As per the terms of the Rosa Unit Agreement, any change in unit operators must be approved by this office and the Bureau of Land Management. Since you are the operator of record for the Rosa Unit, please submit a copy of the above mentioned change to this office for approval.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: Floyd O Prando

FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744
JB/FOP/pm
encls.
cc: Reader File
OCD-Santa Fe
BLM-Farmington

MERIDIAN OIL

DIVISION

April 14, 1992

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, New Mexico 87501

RE: Rosa Unit I Sec. No. 587, Fruitland Formation
First Supplemental 1992 Plan of Development
San Juan & Rio Arriba Counties, New Mexico

Gentlemen:

By letter dated March 1, 1992, Meridian Oil Inc., as Sub-Operator of the Fruitland formation for the Rosa Unit, filed a Plan of Development (POD) which proposed the drilling of eighteen (18) Fruitland Coal wells and the recompletion of one Dakota well into a Fruitland Coal well.

In addition to the 1992 Plan of Development, Meridian Oil Inc., as Unit Sub-Operator, submits the following additional wells, as requested by Evergreen Resources, Inc., who controls 100% drillblock interest, for drilling during the 1992 calendar year.

WELL NAME	DESCRIPTION	FORMATION
Rosa Unit #287	E/2 Sec. 4-31N-4W	Fruitland Coal
Rosa Unit #288	W/2 Sec. 4-31N-4W	Fruitland Coal
Rosa Unit #294	S/2 Sec. 10-31N-4W	Fruitland Coal
Rosa Unit #315	W/2 Sec. 30-31N-4W	Fruitland Coal

If this First Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the Space provided on the attached sheet and return an approved copy to the attention of the undersigned at the letterhead address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

Kent Beers
Attorney-in-Fact

KOB:AA:kaw
Rosa Unit 3.0

APPROVED: _____ DATE: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

APPROVED: _____ DATE: _____
Commission of Public Lands
(Subject to like approval by the
Bureau of Land Management and
the Oil Conservation Division)

APPROVED: _____ DATE: 4-21-92
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and
the Commissioner of Public Lands)

The foregoing approvals are for the First Supplemental 1992 Drilling Program for the Fruitland Formation in Rosa Unit I, Sec. No. 587, San Juan & Rio Arriba Counties, New Mexico.

ROSA UNIT WORKING INTEREST OWNERS

Amoco Production Company

Coastal Oil & Gas Corp.

Elizabeth T. Calloway

Winifred K. Ponder
c/o Texas Commerce Bank of El Paso

Frank A. Schultz

Fred E. Turner

J. Glenn Turner, Jr.

John Brennand, Executor

John L. Turner

Lois J. Willard

Ameritrust Texas N.A., Trustees for
Mary Frances Turner, Jr.

Mitchell Energy Corporation

Northwest Pipeline Corporation

Patricia Penrose Schieffer, Trustee

Phillips Petroleum Company

The Wiser Oil Company

William G. Webb

Evergreen Resources

Parker & Parlsey

Fuel Resources, Inc.

State of New Mexico
OFFICE OF THE
Commissioner of Public Lands
Santa Fe

JIM BACA
COMMISSIONER

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

April 13, 1992

RECEIVED

Northwest Pipeline Corporation
P. O. Box 58900
Salt Lake City, Utah 84158-0500

OIL CONSERVATION DIVISION

Attn: Mr. Darrell L. Gillen

Re: Rosa Unit
Dakota Formation Participating Areas
Amended Sixth thru Eighth Revisions
San Juan & Rio Arriba Counties, New Mexico

This office is in receipt of your application of February 28, 1992 for approval of the Amended Sixth thru the Amended Eighth revisions of the Dakota Participating Areas, Rosa Unit, San Juan & Rio Arriba Counties, New Mexico.

The Amended Sixth Dakota Participating Area, Effective April 1, 1984, is predicated upon the commercial completion of the Rosa Unit Well No. 98. The Amended Seventh Dakota Participating Area, effective November 1, 1984, is predicated upon the commercial completion of the Rosa Unit Well No. 100. The Amended Eighth Dakota Participating Area, effective January 1, 1985, is predicated upon the commercial completion of the Unit Well No. 116.

The Commissioner of Public Lands has this date approved your amended Sixth thru Eighth Dakota Participating Areas as submitted.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: Floyd Prando
FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744
JB/FOP/pm
encls.
cc: Reader File
OCD-Santa Fe
BLM-Farmington
TRD-Santa Fe

JIM BACA
COMMISSIONER

State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

April 10, 1992

Northwest Pipeline Corporation
P. O. Box 8900
Salt Lake City Utah 84108-0899

Attn: Mr. Darrell L. Gillen

Re: Rosa Unit Well Nos. 125, 119 and 100E
Designation of Agent
San Juan and Rio Arriba Counties, New Mexico

Dear Mr. Gillen:

This office is in receipt of a Designation of Agent form wherein Northwest Pipeline Corporation has designated Amoco Production Company to drill test and complete the Rosa Unit Well Nos. 125, 119 and 100E.

The Designation of Amoco Production Company to drill test and complete the above wells is hereby accepted and approved by the Commissioner.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: Floyd O. Prando

FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744
JB/FOP/pm
encls.
cc: Reader File
BLM-Farmington
OCD

MERIDIAN OIL

March 1, 1992

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, New Mexico 87501

RE: Rosa Unit I Sec. No. 587
Fruitland Formation
1992 Plan of Development
San Juan County, New Mexico &
Rio Arriba County, New Mexico

Gentlemen:

By letters dated February 27, 1991, July 10, 1991, Meridian Oil Inc. (Meridian) as Unit Sub-Operator, for the Rosa Unit, filed the Fruitland formation Plans of Development (POD) for the calendar year 1991. These programs provided for the drilling of Sixty Five (65) Fruitland Coal wells and the recompletion of two (2) Dakota wells into the Fruitland formation. Fruitland Coal wells actually drilled during 1991 were the Rosa Unit numbers 306, 308, 311, 312. The Rosa Unit 82 and 83 wells were evaluated in the Fruitland Coal formation and subsequently plugged and abandoned.

As of this date, the total number of wells in the Rosa Unit Fruitland formation are as follows:

Fruitland Coal, Commerciality undetermined	88
Salt Water Disposal Facility (Mesaverde formation)	1

A participating area for the Fruitland Coal formation has not been established to date. Meridian anticipates filing all commerciality studies on all wells by the 3rd quarter of 1992.

Pursuant to Section 9 of the Rosa Unit Agreement, Meridian, as Unit Sub-Operator, hereby submits the following wells, as requested by Mitchell Energy Corporation and Evergreen Operating Corporation, for the 1992 Plan of Development. Mitchell will drill these wells (except the Rosa #63 recompletion) under a Designation of Agent Agreement. Evergreen Operating Corporation will recomplete the Rosa #63 into the Fruitland Coal formation under a Designation of Agent Agreement. If Evergreen is unsuccessful in recompleting the Rosa #63 well, then Mitchell will drill the Rosa #314 well.

Meridian Oil Inc., 3535 East 30th St., P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700

WELL NAME	DRILLING BLOCK	FORMATION
Rosa Unit #63	E/2 Sec. 30-31N-4W	Recomplete from Dakota to Fruitland Coal
Rosa Unit #314	E/2 Sec. 30-31N-4W	Fruitland Coal
Rosa Unit #318	W/2 Sec. 13-31N-5W	Fruitland Coal
Rosa Unit #319	E/2 Sec. 14-31N-5W	Fruitland Coal
Rosa Unit #324	W/2 Sec. 24-31N-5W	Fruitland Coal
Rosa Unit #326	W/2 Sec. 25-31N-5W	Fruitland Coal
Rosa Unit #341	W/2 Sec. 11-31N-4W	Fruitland Coal
Rosa Unit #342	E/2 Sec. 11-31N-4W	Fruitland Coal
Rosa Unit #344	W/2 Sec. 23-31N-4W	Fruitland Coal
Rosa Unit #345	S/2 Sec. 19-31N-4W	Fruitland Coal
Rosa Unit #347	N/2 Sec. 19-31N-4W	Fruitland Coal
Rosa Unit #349	E/2 Sec. 29-31N-4W	Fruitland Coal
Rosa Unit #351	W/2 Sec. 27-31N-4W	Fruitland Coal
Rosa Unit #352	E/2 Sec. 5-31N-4W	Fruitland Coal
Rosa Unit #356	E/2 Sec. 11-31N-5W	Fruitland Coal
Rosa Unit #357	W/2 Sec. 11-31N-5W	Fruitland Coal
Rosa Unit #358	E/2 Sec. 13-31N-5W	Fruitland Coal
Rosa Unit #359	S/2 Sec. 23-31N-5W	Fruitland Coal
Rosa Unit #361	W/2 Sec. 26-31N-5W	Fruitland Coal

Meridian has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of the above listed wells during the calendar year 1992.

Meridian, as Unit Sub-Operator, plans to drill and offset Fruitland Formation wells required to prevent drainage of unitized substances and any other Fruitland Formation wells deemed necessary or desirable by the Unit Sub-Operator and the working interest owners.

If this POD is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the attention of the undersigned at the letterhead address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

Kent Beers
Attorney-in-Fact

KOB:AA:kaw
Enclosure
Rosa Unit, 3.0

APPROVED: _____ DATE: _____

Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

APPROVED: _____ DATE: _____

Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and
the Oil Conservation Division)

APPROVED: Roy E. Johnson DATE: 3-13-92

Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

The foregoing approvals for the 1992 Plan of Development for the Fruitland Formation in Rosa Unit I, Sec. No. 587, San Juan & Rio Arriba Counties, New Mexico.

ROSA UNIT WORKING INTEREST OWNERS

Amoco Production Company

Coastal Oil & Gas Corp.

Elizabeth T. Calloway

Winifred K. Ponder
c/o Texas Commerce Bank of El Paso

Frank A. Schultz

Fred E. Turner

J. Glenn Turner, Jr.

John Brennand, Executor

John L. Turner

Lois J. Willard

Ameritrust Texas N.A., Trustees for
Mary Frances Truner, Jr.

Mitchell Energy Corporation

Northwest Pipeline Corporation

Patricia Penrose Schieffer, Trustee

Phillips Petroleum Company

The Wiser Oil Company

William G. Webb

Evergreen Resources

Parker & Parlsey

Fuel Resources, Inc.

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-583-8800
FAX (801) 584-6483

February 28, 1992

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

RECEIVED

OIL CONSERVATION DIVISION

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: Rosa Unit I Sec. 587
San Juan & Rio Arriba Counties, New Mexico

APPLICATION FOR APPROVAL OF THE AMENDED SIXTH PARTICIPATING AREA
Dakota formation
Effective April 1, 1984

APPLICATION FOR APPROVAL OF THE AMENDED SEVENTH PARTICIPATING AREA
Dakota formation
Effective November 1, 1984

APPLICATION FOR APPROVAL OF THE EIGHTH PARTICIPATING AREA
Dakota formation
Effective January 1, 1985

Gentlemen:

By letter dated March 6, 1990, Northwest Pipeline Corporation, as Unit Operator, submitted a Notice of Completion of Non-commercial Wells for eight (8) Dakota Formation wells within the Rosa Unit. On June 5, 1991, the Bureau of Land

Management approved our determination that seven of these wells, the Rosa Unit #59, #87, #97, #99Y, #101, #102 and #118, were non-commercial. The Bureau of Land Management on this same date (letter attached) indicated that the Rosa Unit #98 Dakota well was capable of producing unitized substances in paying quantities and therefore should be included in the Rosa Unit Dakota participating area.

The effective date of the participating area revision created by the commerciality of the Rosa Unit #98 is April 1, 1984, which is prior to the effective date of the existing Sixth Participating Area. The Participating Area for the Rosa Unit #98 is being submitted as the "Amended Sixth Participating Area," the existing Sixth Participating Area is now submitted as the "Amended Seventh Participating Area," and the existing Seventh Participating Area is now submitted as the "Eighth Participating Area."

The wells creating the above mentioned Participating Areas have previously been determined commercial for unit purposes, therefore, the economics and exhibits concerning the commerciality of these wells have been omitted from this application.

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement I Sec. No. 587, approved January 24, 1948, Northwest Pipeline Corporation, as Unit Operator, hereby respectfully requests approval of the captioned participating areas for the Dakota formation.

These proposed participating areas for the Dakota formation are predicated upon the determination by Northwest Pipeline Corporation, as Unit Operator, that the following Rosa Unit Dakota wells are capable of producing unitized substances in paying quantities.

AMENDED SIXTH PARTICIPATING AREA-Effective APRIL 1, 1984

Description of Lands	No. of Acres
Township 31 North, Range 6 West, N.M.P.M. Section 23: S/2	320.00

The well data is as follows:

The Rosa Dakota Unit #98 well is located 790 feet from the west line and 1870 feet from the south line, Section 23, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 13, 1983, and completed in the Dakota formation on December 21, 1983. The Dakota formation was perforated with 80 holes between the following depths:

7779' to 7921'

These perforations were sand/water fractured. This well has a 2-3/8" tubing string. The well was shut-in with a SIPT of 1724 psig. On March 28, 1984, the well was tested and after flowing for three hours through a 3/4" variable choke on the 2-3/8 " tubing, the well gauged 4016 Mcf/d with a calculated AOF of 4392 Mcf/d.

AMENDED SEVENTH PARTICIPATING AREA - Effective November 1, 1984

Description of Lands	No.of Acres
Township 31 North, Range 6 West, N.M.P.M. Section 21: S/2	320.00

The well data is as follows:

The Rosa Dakota Unit #100 well is located 890 feet from the south line and 1850 feet from the west line, Section 21, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on May 31, 1984 and completed in the Dakota formation on August 28, 1984. The Dakota formation was perforated with 122 holes between the following depths:

7877' - 7980'

These perforations were sand/water fractured. This well has 2-3/8" tubing string. The well was shut-in with a SIPT of 2738 psig. On October 2, 1984, the Dakota formation was tested and after flowing for three hours through a 3/4" variable choke on the 2-3/8" tubing, the well gauged 1417 Mcf/d with a calculated AOF of 2650 Mcf/d.

EIGHTH PARTICIPATING AREA - Effective January 1, 1985

Description of Lands	No. of Acres
Township 31 North, Range 6 West, N.M.P.M. Section 24: E/2	223.92

The well data is as follows:

The Rosa Dakota Unit #116 well is located 790 feet from the east line and 1050 feet from the north line, Section 24, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 24, 1984 and completed in the Dakota formation on September 19, 1984. The Dakota formation was perforated with 328 holes between the following depths:

7832'-7988'

These perforations were sand/water fractured. This well has 2-3/8" tubing string. The well was shut-in with a SIPT of 2272 psig. On December 11, 1984, the Dakota formation was tested and after flowing for three hours through a 3/4" variable choke on the 2-3/8" tubing, the well gauged 1593 Mcf/d with a calculated AOF of 1599 Mcf/d.

In support of this application, the following listed exhibit is made a part hereof:

Exhibit "A"

Map reflecting the boundaries of the Unit and the proposed Dakota Participating Areas within the Rosa Unit.

Attached hereto are schedules showing the proposed Dakota Participating Areas. The schedules describe the Participating Areas, show the percentage of unitized substances allocated to each unitized tract, and the percentage of ownership in the tracts.

If the proposed Participating Areas set forth herein meet with your approval, please indicate such approval in the space provided on the attached sheet and return an approved copy for our files.

Copies of this letter, exhibit and schedules are being sent to the Working Interest Owners shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION

Darrell L. Gillen
Land Manager

DLG/jt
FN:L92046.DLG
Attachments

cc: Working Interest Owners
W. O. Curtis
L. L. Fullmer
R. L. Glenn
D. I. Suter
M. V. Polansheck
M. H. Johnson
J. K. Nielsen
B. K. Ellis
P. C. Thompson

APPROVED _____ DATE _____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands
and the Oil Conservation Commission

APPROVED _____ DATE _____
Commissioner of Public Lands
Subject to like approval by the
Area Oil and gas Supervisor
and the Oil Conservation Commission

APPROVED _____ DATE 3-17-92
Oil Conservation Commission
Subject to like approval by the
Area Oil and Gas Supervisor
and the Commissioner of Public Lands

The foregoing are approvals for the AMENDED SIXTH, AMENDED SEVENTH, and EIGHTH PARTICIPATING AREAS in the Dakota formation of the Rosa Unit I Sec. 587.

USGN2650
03/14/90

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
SOUTHERN DIVISION, PRODUCTION MGR.
1670 BROADWAY
P.O. BOX 800
DENVER, CO 80201

COASTAL OIL & GAS CORP.
ATTN: MR. JOHN R. KENNEDY
P.O. BOX 749
DENVER, CO 80201-0749

ELIZABETH T. CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

FRANK A. SCHULTZ
LINCOLN PLAZA, SUITE 2160 LB-1
500 NORTH AKARD
DALLAS, TX 75201

FRED E. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
DALLAS, TX 75206 4079

J. GLENN TURNER, JR.
500 LTV CENTER
2001 ROSS AVENUE
DALLAS, TX 75201

JOHN BRENNAND, EXECUTOR OF
ESTATE OF J.R. BRENNAND
P.O. BOX 6616
SANTA BARBARA, CA 93160

JOHN L. TURNER
8585 NORTH STEMMONS, SUITE 925N
DALLAS, TX 75247

LOIS J. WILLARD
P.O. BOX 5205
SANTA FE, NM 87502

MARY FRANCIS TURNER, JR.
TRUST (6743)
AMERITRUST TEXAS N.A. TRUSTEE
P.O. BOX 2320
DALLAS, TX 75221-2320

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

MITCHELL ENERGY CORPORATION
ATTN: MR. JERRY TAYLOR
555 SEVENTEENTH STREET, SUITE 3500
DENVER, CO 80202

PATRICIA PENROSE SCHIEFFER, TRUSTEE
1640 1ST CITY BANK TOWER
201 MAIN STREET
FORT WORTH, TX 76102

PHILLIPS PETROLEUM COMPANY
ATTN: JAY KIEKE
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

THE WISER OIL COMPANY
P.O. BOX 192
SISTERSVILLE, WV 26175

WILLIAM G. WEDD
2200 ROSS AVENUE, SUITE 2200
DALLAS, TX 75201-6776

Working Interest Owners
Rosa Unit

To: Mrs. Elizabeth P. Fletcher
c/o Mr. Barron Fletcher
315 West 57th Street, Apt. 18-F
New York, New York 10019

Mrs. Anne P. Dickson
6140 Deloache
Dallas, Texas 75205

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LAPLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
Rosa Unit (PA)
3180 (019)

Northwest Pipeline Corporation
Attention: Verne Hanson
P.O. Box 58900
Salt Lake City, UT 84108

Re: Non Commercial Well Determination, Rosa Unit

Gentlemen:

We have reviewed your application for non-commercial well determinations for the following wells located in the Rosa Unit Rio Arriba County, New Mexico:

1. Rosa Dakota, Well No. 59 SE/4SW/4 sec. 25, T. 31 N., R. 6 W.
2. Rosa Dakota, Well No. 87 SE/4NE/4 sec. 28, T. 31 N., R. 4 W.
3. Rosa Dakota, Well No. 97 NW/4SW/4 sec. 31, T. 31 N., R. 5 W.
4. Rosa Dakota, Well No. 98 NW/4SW/4 sec. 23, T. 31 N., R. 6 W.
5. Rosa Dakota, Well No. 99Y SE/4SW/4 sec. 26, T. 31 N., R. 6 W.
6. Rosa Dakota, Well No. 101 NE/4SW/4 sec. 24, T. 31 N., R. 6 W.
7. Rosa Dakota, Well No. 102 NE/4SE/4 sec. 30, T. 31 N., R. 5 W.
8. Rosa Dakota, Well No. 118 SE/4NE/4 sec. 35, T. 32 N., R. 6 W.

Due to the dual completions of the referenced wells, only costs to drill and complete the Dakota formation were considered. Likewise only Dakota production was considered while conducting the economic analysis for each well.

The Rosa Dakota Well No. 98 was the only well of the above list found to be capable of producing unitized substances in paying quantities from the Dakota formation. Under the present restricted production scenario, the profitability is questionable. This does not however, change the fact that well No. 98 is **capable** of commercial production from the Dakota formation. Please re-submit well No. 98 as a commercial well.

The remaining seven wells were found to be non-commercial in the Dakota formation. Your application for non-commercial status of these remaining seven wells is hereby approved.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the orders described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 1449, Santa Fe, New Mexico 87504-1449. Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 et. seq.

If you have any questions concerning the above, please contact Ray Hager at (505) 327-5344 Ext 159.

Sincerely,

for Ron Fellows
Area Manager

cc:
Northwest Pipeline, Attn: Paul Thompson, 300 W. Arrington, Suite 020, Farmington, NM 87401
Minerals Management Service
New Mexico Oil Conservation Division
Commissioner of Public Lands

SCHEDULE VII
AMENDED SIXTH PARTICIPATING AREA FOR THE DAKOTA FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 13			
USA SF-078763	T-31-N, R-5-W Sec. 8: S/2	320.00	Royalty	12.500000%	12.500000%	14.285714%
			Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
	T-31-N, R-5-W Sec. 10: N/2	320.00	Royalty	12.500000%	12.500000%	14.285714%
			Working Interest			
			Mitchell Energy Corp.	81.250000%	81.250000%	
			ORRI	6.250000%	6.250000%	
			Total	100.000000%	100.000000%	
			TRACT 14			
USA SF-078767	T-31-N, R-6-W Sec. 13: W/2	320.00	Royalty	12.500000%	12.500000%	14.285714%
			Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 17			
USA SF-078769	T-31-N, R-5-W Sec. 17: W/2	320.00	Royalty	12.500000%	12.500000%	14.285714%
			Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 28			
USA SF-078773	T-31-N, R-5-W Sec. 33: S/2	320.00	Royalty	12.500000%	12.500000%	14.285714%
			Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	

SCHEDULE VII
AMENDED SIXTH PARTICIPATING AREA FOR THE DAKOTA FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 37			
USA SF-078771	T-31-N, R-6-W Sec. 23: S/2	320.00	Royalty	12.500000%	12.500000%	14.285714%
			Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 39			
USA SF-078766	T-31-N, R-6-W Sec. 22: Lot 1, E/2NW/4, SW/4	248.41	Royalty	12.500000%	12.500000%	11.089733%
			Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 43			
E-289-43	T-31-N, R-6-W Sec. 22: portion of Tract 40 lying in W/2NW/4	71.59	Royalty	12.500000%	12.500000%	3.195983%
			Working Interest			
			Phillips Petroleum Co.	82.500000%	82.500000%	
			ORRI	5.000000%	5.000000%	
			Total	100.000000%	100.000000%	

SCHEDULE VII
AMENDED SIXTH PARTICIPATING AREA FOR THE DAKOTA FORMATION
ROSA UNIT

R E C A P I T U L A T I O N

Description of lands in Dakota Participating Area:

Township 31 North, Range 5 West, N.M.P.M.
Section 8: S/2
Section 10: N/2
Section 17: W/2
Section 33: S/2

Township 31 North, Range 6 West, N.M.P.M.
Section 13: W/2
Section 22: W/2
Section 23: S/2

Total Number of Acres in Participating Area:	2,240.00
Total Number of Acres Committed to Participating Area:	2,240.00

SCHEDULE VIII
AMENDED SEVENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 13			
USA SF-078763	T-31-N, R-5-W	320.00	Royalty	12.500000%	12.500000%	12.500000%
	Sec. 8: S/2		Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
	T-31-N, R-5-W	320.00	Royalty	12.500000%	12.500000%	12.500000%
	Sec. 10: N/2		Working Interest			
			Mitchell Energy Corp.	81.250000%	81.250000%	
			ORRI	6.250000%	6.250000%	
			Total	100.000000%	100.000000%	
			TRACT 14			
USA SF-078767	T-31-N, R-6-W	320.00	Royalty	12.500000%	12.500000%	12.500000%
	Sec. 13: W/2		Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 17			
USA SF-078769	T-31-N, R-5-W	320.00	Royalty	12.500000%	12.500000%	12.500000%
	Sec. 17: W/2		Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 28			
USA SF-078773	T-31-N, R-5-W	320.00	Royalty	12.500000%	12.500000%	12.500000%
	Sec. 33: S/2		Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	

Effective November 1, 1984

SCHEDULE VIII
AMENDED SEVENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 37			
USA SF-078771	T-31-N, R-6-W Sec. 23: S/2	320.00	Royalty	12.500000%	12.500000%	12.500000%
			Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 39			
USA SF-078766	T-31-N, R-6-W Sec. 21: S/2 Sec. 22: Lot 1, E/2NW/4, SW/4	568.41	Royalty	12.500000%	12.500000%	22.203516%
			Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 43			
E-289-43	T-31-N, R-6-W Sec. 22: portion of Tract 40 lying in W/2NW/4	71.59	Royalty	12.500000%	12.500000%	2.796484%
			Working Interest			
			Phillips Petroleum Co.	82.500000%	82.500000%	
			ORRI	5.000000%	5.000000%	
			Total	100.000000%	100.000000%	

SCHEDULE VIII
AMENDED SEVENTH PARTICIPATING AREA FOR THE DAKOTA FORMATION
ROSA UNIT

R E C A P I T U L A T I O N

Description of lands in Dakota Participating Area:

Township 31 North, Range 5 West, N.M.P.M.
Section 8: S/2
Section 10: N/2
Section 17: W/2
Section 33: S/2

Township 31 North, Range 6 West, N.M.P.M.
Section 13: W/2
Section 21: S/2
Section 22: W/2
Section 23: S/2

Total Number of Acres in Participating Area:	2,560.00
Total Number of Acres Committed to Participating Area:	2,560.00

SCHEDULE XIV
EIGHTH PARTICIPATING AREA FOR THE DAKOTA FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 13			
USA SF-078763	T-31-N, R-5-W Sec. 8: S/2	320.00	Royalty	12.500000%	12.500000%	11.494583%
			Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
	T-31-N, R-5-W Sec. 10: N/2	320.00	Royalty	12.500000%	12.500000%	11.494583%
			Working Interest			
			Mitchell Energy Corp.	81.250000%	81.250000%	
			ORRI	6.250000%	6.250000%	
			Total	100.000000%	100.000000%	
			TRACT 14			
USA SF-078767	T-31-N, R-6-W Sec. 13: W/2 Sec. 24: Lots 1, 2,3,4, W/2E/2 (E/2)	543.92	Royalty	12.500000%	12.500000%	19.537918%
			Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 17			
USA SF-078769	T-31-N, R-5-W Sec. 17: W/2	320.00	Royalty	12.500000%	12.500000%	11.494583%
			Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 28			
USA SF-078773	T-31-N, R-5-W Sec. 33: S/2	320.00	Royalty	12.500000%	12.500000%	11.494583%
			Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	

SCHEDULE XIV
EIGHTH PARTICIPATING AREA FOR THE DAKOTA FORMATION
ROSA UNIT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 37			
USA SF-078771	T-31-N, R-6-W Sec. 23: S/2	320.00	Royalty	12.500000%	12.500000%	11.494583%
			Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 39			
USA SF-078766	T-31-N, R-6-W Sec. 21: S/2 Sec. 22: Lot 1, E/2NW/4, SW/4	568.41	Royalty	12.500000%	12.500000%	20.417613%
			Working Interest			
			Amoco Production Co.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 43			
E-289-43	T-31-N, R-6-W Sec. 22: portion of Tract 40 lying in W/2NW/4	71.59	Royalty	12.500000%	12.500000%	2.571554%
			Working Interest			
			Phillips Petroleum Co.	82.500000%	82.500000%	
			ORRI	5.000000%	5.000000%	
			Total	100.000000%	100.000000%	

SCHEDULE XIV
EIGHTH PARTICIPATING AREA FOR THE DAKOTA FORMATION
ROSA UNIT

R E C A P I T U L A T I O N

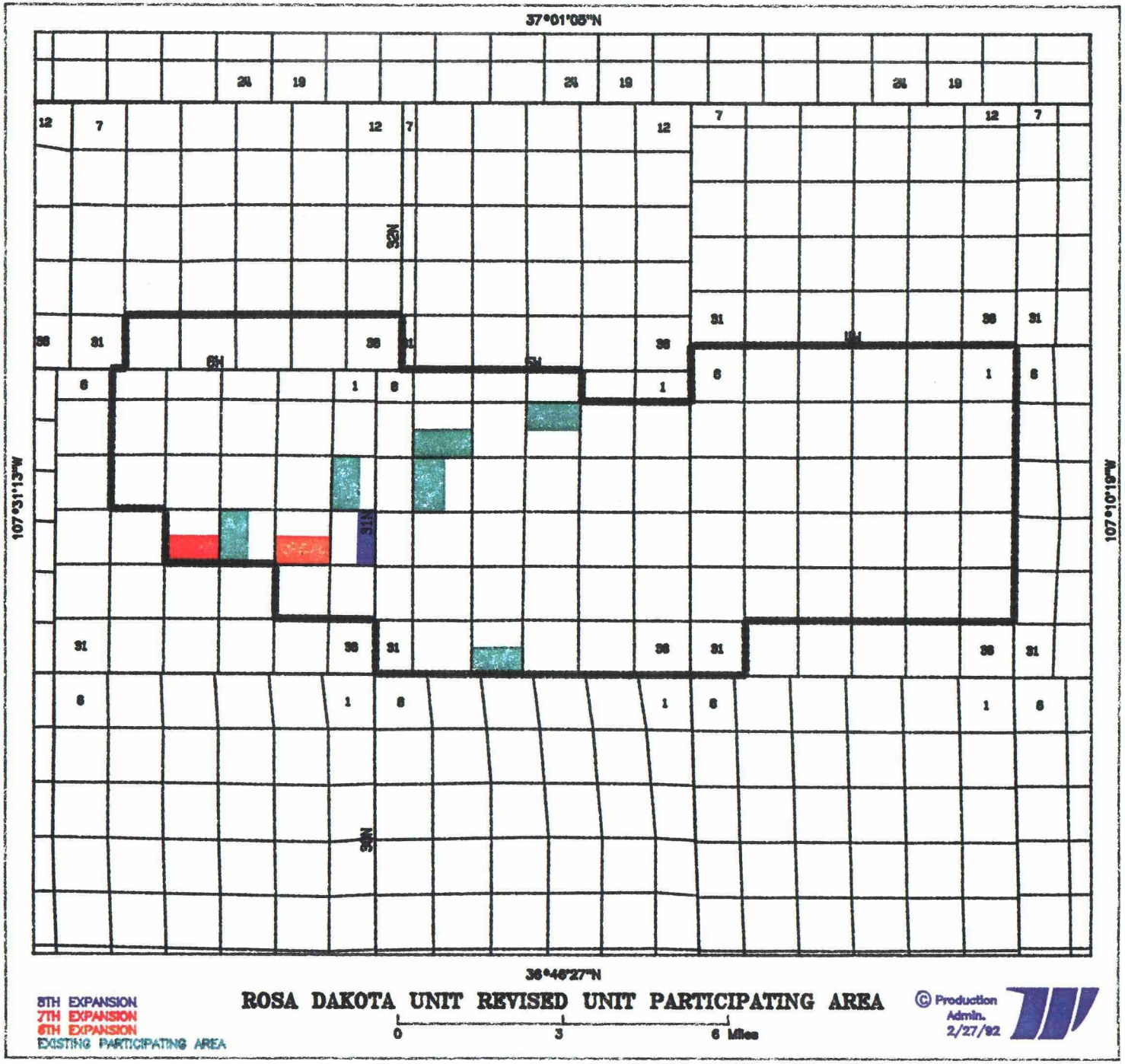
Description of lands in Dakota Participating Area:

Township 31 North, Range 5 West, N.M.P.M.
Section 8: S/2
Section 10: N/2
Section 17: W/2
Section 33: S/2

Township 31 North, Range 6 West, N.M.P.M.
Section 13: W/2
Section 21: S/2
Section 22: W/2
Section 23: S/2
Section 24: E/2

Total Number of Acres in Participating Area:	2,783.92
Total Number of Acres Committed to Participating Area:	2,783.92

EXHIBIT "A"


37°01'05"N
36°46'27"N
107°31'13"W
107°16'19"W
25N
24N
23N
8TH EXPANSION
7TH EXPANSION
6TH EXPANSION
EXISTING PARTICIPATING AREA
ROSA DAKOTA UNIT REVISED UNIT PARTICIPATING AREA
0
3
6 Miles
© Production Admin. 2/27/92

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-583-8800
FAX: (801) 584-6483

February 20, 1992

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington NM 87401

State of New Mexico
Commissioner of Public Lands
ATTN: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe NM 87504-1148

State of New Mexico
Oil Conservation Commission
ATTN: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe NM 87503

Re: Rosa Unit I, Sec. No. 587
San Juan and Rio Arriba Counties, New Mexico
1992 Plan of Development

Gentlemen:

By letters dated March 26, 1991 and October 22, 1991, Northwest Pipeline Corporation, as Unit Operator, filed the 1991 Plan of Development for the referenced unit. The Plan of Development indicated that three Dakota formation wells would be drilled during 1991 in the Unit. The Rosa Unit #100E, #119, and #125 Dakota formation wells were drilled on a timely basis. In August of 1989, Northwest Pipeline Corporation designated Meridian Oil Production, Inc. as Suboperator of the Fruitland formation within the Unit, therefore, Meridian Oil Production Inc. will provide an accounting of the Fruitland Coal formation wells drilled during 1991, as well as any Fruitland formation wells drilled under prior years drilling programs which are operated by Meridian.

As of this date, the total number of wells drilled and operated by Northwest Pipeline Corporation in the Rosa Unit on acreage committed to the unit is as follows:

Pictured Cliffs, plugged and abandoned	2
Pictured Cliffs/Mesaverde, (Pictured Cliffs non-commercial, Mesaverde commercial)	1
Mesaverde, commercial	27
Mesaverde, non-commercial	4
Mesaverde, plugged and abandoned	8
Mesaverde/Dakota, commercial	2
Dakota, commercial	3
Dakota, non-commercial	14
Dakota, undetermined	7
Dakota, plugged and abandoned	3
Mesaverde/Gallup/Dakota, (Gallup non-commercial, Dakota and Mesaverde commercial)	1
Gallup/Dakota, (Gallup non-commercial, Dakota commercial)	3
Gallup/Dakota, commerciality undetermined	5
Gallup/Dakota, non-commercial	12
Gallup, non-commercial	1
Gallup/Dakota, (Gallup commerciality undetermined, Dakota plugged and abandoned)	1
Gallup/Dakota, (Gallup commerciality undetermined, Dakota non-commercial)	1
TOTAL	95

The Participating Areas which have been established in the Rosa Unit are as follows:

Formation	Revision	Effective
Mesaverde	Fifteenth	January 1, 1983
Dakota	Seventh	January 1, 1985

Pursuant to Section 9 of the Rosa Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, is submitting a Plan of Development providing for the drilling of no wells during 1991.

Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to Northwest Pipeline Corporation.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION

Darrell L. Gillen
Land Manager

DLG:dlg
FN:L92034.DLG

Attachment

cc: Working Interest Owners
W.O. Curtis
P.C. Thompson

APPROVED _____ DATE _____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and the
Oil Conservation Commission

APPROVED _____ DATE _____
Commissioner of Public Lands
Subject to like approval by the
Area Oil and Gas Supervisor and
the Oil Conservation Commission

APPROVED _____ DATE 3-13-92
Oil Conservation Commission
Subject to like approval by the
Area Oil and Gas Supervisor and
the Commissioner of Public Lands

The foregoing approvals are for the 1992 Plan of Development for the Rosa Unit I, Sec. No. 587.

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
SOUTHERN DIVISION, PRODUCTION MGR.
1670 BROADWAY
P.O. BOX 800
DENVER, CO 80201

COASTAL OIL & GAS CORP.
ATTN: MR. JOHN R. KENNEDY
P.O. BOX 749
DENVER, CO 80201-0749

ELIZABETH T. CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

FRANK A. SCHULTZ
LINCOLN PLAZA, SUITE 2160 LB-1
500 NORTH AKARD
DALLAS, TX 75201

FRED C. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
DALLAS, TX 75206 4079

J. GLENN TURNER, JR.
500 ITV CENTER
2001 ROSS AVENUE
DALLAS, TX 75201

JOHN BRENNAND, EXECUTOR OF
ESTATE OF J.R. BRENNAND
P.O. BOX 6616
SANTA BARBARA, CA 93160

JOHN L. TURNER
8585 NORTH STEMMONS, SUITE 925N
DALLAS, TX 75247

LOIS J. WILLARD
P.O. BOX 5205
SANTA FE, NM 87502

MARY FRANCIS TURNER, JR.
TRUST (6743)
AMERITRUST TEXAS N.A. TRUSTEE
P.O. BOX 2320
DALLAS, TX 75221-2320

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

MITCHELL ENERGY CORPORATION
ATTN: MR. JERRY TAYLOR
555 SEVENTEENTH STREET, SUITE 3500
DENVER, CO 80202

PATRICIA PENROSE SCHIEFFER, TRUSTEE
1640 1ST CITY BANK TOWER
201 MAIN STREET
FORT WORTH, TX 76102

PHILLIPS PETROLEUM COMPANY
ATTN: JAY KIEKE
5525 HWY 64,NBU 3004
FARMINGTON, NM 87401

THE WISER OIL COMPANY
P.O. BOX 192
SISTERSVILLE, WV 26175

WILLIAM G. WEBB
2200 ROSS AVENUE, SUITE 2200
DALLAS, TX 75201-6776

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

LAND DEPARTMENT

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-584-7215

OIL CONSERVATION DIVISION
RECEIVED
'91 OCT 24 AM 9 39

October 22, 1991

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico
Commissioner of Public Lands
ATTN: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
ATTN: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

RE: Rosa Unit I, Sec. No. 587
San Juan and Rio Arriba
Counties, New Mexico
1991 Supplemental Plan of Development

Gentlemen:

By letter dated March 26, 1991, Northwest Pipeline Corporation, as Unit Operator, filed the 1991 Plan of Development for the Rosa Unit.

Subsequent to filing the 1991 Plan of Development it has been proposed that 3 new wells be drilled in the Rosa Unit during 1991.

The proposed wells are as follows:

Well No.	Drilling Block	Formation
Rosa Unit #100E	S/2 Sec. 21, T31N, R6W	Dakota
Rosa Unit #119	S/2 Sec. 18, T31N, R5W	Dakota
Rosa Unit #125	E/2 Sec. 13, T31N, R6W	Dakota

Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to Northwest Pipeline Corporation.

Copies of this Supplemental Plan of Development are being sent to the Working Interest Owners as shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION

Darrell L. Gillen
Land Manager

DLG:kws
FN:L91331.DLG
Attachment
cc: Working Interest Owners

APPROVED _____ DATE _____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and the
Oil Conservation Commission

APPROVED _____ DATE _____
Commissioner of Public Lands
Subject to like approval by the
Area Oil and Gas Supervisor and
the Oil Conservation Commission

APPROVED R. E. Johnson DATE 10-29-91
Oil Conservation Commission
Subject to like approval by the
Area Oil and Gas Supervisor and
the Commissioner of Public Lands

The foregoing approvals are for the 1991 Supplemental Plan of Development for the Rosa Unit I, Sec. No. 587.

U56N2650
03/14/90

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
SOUTHERN DIVISION, PRODUCTION MGR.
1670 BROADWAY
P.O. BOX 800
DENVER, CO 80201

COASTAL OIL & GAS CORP.
ATTN: MR. JOHN R. KENNEDY
P.O. BOX 749
DENVER, CO 80201-0749

ELIZABETH T. CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

FRANK A. SCHULTZ
LINCOLN PLAZA, SUITE 2160 LB-1
500 NORTH AKARD
DALLAS, TX 75201

FRED E. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

J. GLENN TURNER, JR.
500 ITV CENTER
2001 ROSS AVENUE
DALLAS, TX 75201

JOHN BRENNAND, EXECUTOR OF
ESTATE OF J.R. BRENNAND
P.O. BOX 6616
SANTA BARBARA, CA 93160

JOHN L. TURNER
8585 NORTH STEMMONS, SUITE 925N
DALLAS, TX 75247

LOIS J. WILLARD
P.O. BOX 5205
SANTA FE, NM 87502

MARY FRANCIS TURNER, JR.
TRUST (6743)
AMERITRUST TEXAS N.A. TRUSTEE
P.O. BOX 2320
DALLAS, TX 75221-2320

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

MITCHELL ENERGY CORPORATION
ATTN: MR. JERRY TAYLOR
555 SEVENTEENTH STREET, SUITE 3500
DENVER, CO 80202

PATRICIA PENROSE SCHIEFFER, TRUSTEE
1640 1ST CITY BANK TOWER
201 MAIN STREET
FORT WORTH, TX 76102

PHILLIPS PETROLEUM COMPANY
ATTN: JAY KIEKE
300 WEST ARRINGTON, SUITE 200
FARMINGTON, NM 87401

THE WISER OIL COMPANY
P.O. BOX 192
SISTERSVILLE, WV 26175

WILLIAM G. WEBB
2200 ROSS AVENUE, SUITE 2200
DALLAS, TX 75201-6776

U56N2650
03/14/90

WORKING INTEREST OWNERS
ROSA UNIT

WINIFRED K. PONDER
C/O TEXAS COMMERCE BANK OF EL PASO
ATTN: JULIA E. MERKT
P.O. DRAWER 140
EL PASO, TX 79980

NMOCD

OIL CONSERVATION DIVISION
RECEIVED
'91 NOV 12 AM 8 53

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 8900
SALT LAKE CITY, UTAH 84108-0899
801-583-8800

RECEIVED
BLM
91 NOV 12 PM 1:27
070 FARMINGTON, NM

DESIGNATION OF AGENT

Supervisor, Oil and Gas Operations:

The undersigned is, on the records of the Minerals Management Service, Unit Operator under the Rosa Unit Agreement, Rio Arriba and San Juan Counties, New Mexico No. I Sec. NO.: 587 approved January 6, 1948 and hereby designates:

Name: Amoco Production Company

Address: Amoco Building
1670 Broadway
P.O. Box 800
Denver, Colorado 80201

as its agent with full authority to act in its behalf in complying with the terms of the Unit Agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing and completing the unitized substances in the Dakota formation for the following wells:

Rosa Unit #125: E/2 Sec. 13, T31N, R6W Dakota Formation

Rosa Unit #119: S/2 Sec. 18, T31N, R5W Dakota Formation

Rosa Unit #100E: S/2 Sec. 21, T31N, R6W Dakota Formation

It is understood that this Designation of Agent does not relieve the Unit Operator of responsibility for compliance with the terms of the Unit Agreement and the Oil and Gas Operating Regulations. It is also understood that this Designation of Agent does not constitute an assignment of any interest under the Unit Agreement or any lease committed thereto.

In case of default on the part of the designated agent, the Unit Operator will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The Unit Operator agrees promptly to notify the oil and gas supervisor of any change in the designated agent.

APPROVED
NOV 14 1991
AREA MANAGER

295 CHIPETA WAY SALT LAKE CITY, UTAH 84108

This Designation of Agent is deemed to be temporary and in no manner a permanent arrangement. It is also understood that this Designation of Agent is limited to field operations and does not cover administrative action requiring specific authorization of the Unit Operator. This Designation of Agent shall be effective on a well by well basis, until each well has been drilled, completed and connected to the gas sales pipeline. Amoco shall give Unit Operator 30 days written notice prior to connecting each such well to the gas sales pipeline. Unit Operator will assume operatorship upon termination of this Designation of Agent.

This Designation is subject to the terms and conditions contained in Exhibit "A" attached hereto.

NORTHWEST PIPELINE CORPORATION
Unit Operator

By _____
Warren O. Curtis
Attorney-in-Fact

10/24/91
Date

Approved as to Form
Legal Department

EXHIBIT "A"
Designation of Agent
Rosa Unit Wells
125,119,100E
Dakota Formation

Amoco Production Company ("Agent") indicates its acceptance of this Designation of Agent by placing its authorized signature in the space provided below and agrees to drill, complete, or plug and abandon said Dakota wells as a reasonable and prudent operator in accordance with the terms and conditions of the Rosa Unit Agreement and the Rosa Unit Accounting Agreement, and also agrees to the following conditions.

1. Submit to Unit Operator's representative for approval all casing programs and equipment specifications prior to the drilling of any well.

2. Notify Unit Operator when drilling operations are commenced.

3. Furnish Unit Operator with complete daily driller's tour report, at Agent's expense.

4. Furnish Unit Operator with daily reports by telephone call or telegram at Agent's expense, as to the formation or formations penetrated during the previous day's drilling, the depth at which each formation is encountered, and the depth at which the report is made.

5. Allow representatives of Unit Operator access to the derrick floor at all times.

6. Notify Unit Operator of intentions to core, drill stem test or run well surveys in sufficient time to enable Unit Operator's representatives to be present; and also notify Unit Operator in sufficient time in order that Unit Operator may attend and witness any and all potential tests and packer leakage.

7. Cause all cores having shows of oil or gas to be analyzed by a competent core analysis laboratory. Three preliminary and three final copies of any conventional core analysis will be furnished to Unit Operator. Any special core analysis performed at the request of the Agent will be considered proprietary information and will be paid for solely by the agent.

8. Furnish Unit Operator three field prints and five final prints of all well surveys made during drilling or upon completion of wells.

9. Furnish Unit Operator a representative and adequate cut of all cores and ditch samples taken during the drilling of wells. except the special cores referred to in paragraph 7 above

10. Provide Unit Operator with copies of drilling time records, hole deviation tests and all records required by the governmental agencies having jurisdiction of the wells.

11. Notify Unit Operator of any intention to plug and abandon wells and allow Unit Operator forty-eight (48) hours in which to concur.

12. Furnish the Bureau of Land Management and the Oil Conservation commission of the State of New Mexico all proper and necessary reports and well data in the required numbers and time periods as specified by the Bureau of Land Management and the Oil Conservation Commission of the State of New Mexico, with a copy to Unit Operator at the address hereinafter provided.

13. Provide the Commissioner of Public Lands of the State of New Mexico with copies of all reports and other well data submitted in accordance with the preceding paragraph.

14. Comply to all regulations of the Federal Oil and Gas Royalty Management Act of 1982 (FOGRMA) and pay any penalty imposed because of Agent's neglect of FOGRMA regulations.

15. Agent agrees to indemnify and defend Unit Operator and all of Unit Operator's affiliated and subsidiary companies and the agents, servants and employees of Unit Operator and all of its affiliated and subsidiary companies and to save and hold them harmless from and against any and all claims or liability (including court costs and attorney fees) for damage or loss of property of all character; from and against any and all claims for death, or injury to persons, including, but not limited to, employees or agents of Agent resulting from or arising out of the operations conducted or caused or permitted to be conducted by Agent in connection with the wells described hereinabove; and from and against any and all claims for labor and materials and any other costs and expense in connection with Agent's operations hereunder. Such idemnity by Agent shall apply to any loss or damage or personel injury or death:

    (i) which arises directly, indirectly or incident to the Agent's operations;

(ii) without regard to cause or causes thereof, including, without limitation, strict liability, breach of warranty (express or implied), imperfection of materials, condition of any premises or transport to or from such premises;

(iii) whether the claim therefore is based on common law, civil law or statute.

However, such indemnity by Agent shall not apply and may not be relied upon by Unit Operator to the extent that any claim or liability is found by a court or other tribunal of competent jurisdiction to have been caused by the gross negligence or willful misconduct of Unit Operator.

All notices, samples or other information required to be furnished shall be sent to:

NORTHWEST PIPELINE CORPORATION
Attn: Mr. Paul Thompson
300 W. Arrington
Suite #020
Farmington, New Mexico 87401
Telephone (505) 327-5351

Amoco Production Company

10-25-91
Date

By _____
Attorney-in-Fact

ACKNOWLEDGEMENT

STATE OF Colorado)
) ss.
COUNTY OF Denver)

Before me, the undersigned, a Notary Public in and for said County and State, on this day personally appeared S.A. Reinert known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said Attorney-in-Fact, and that he executed the same as the act of such corporation of the purposes and consideration therein expressed, and in the capacity therein stated.

Given under my hand and seal of office this the 15th day of October, 1991.

My Commission Expires:
2-24-91

Susan G. Houghton
Notary Public

#133

MERIDIAN OIL

July 10, 1991

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, New Mexico 87501

RE: Rosa Unit I Sec. No. 587
Fruitland Formation
First Supplemental
1991 Plan of Development
San Juan County, New Mexico &
Rio Arriba County, New Mexico

Gentlemen:

By letter dated February 27, 1991, Meridian Oil Inc., as Sub-Operator of the Fruitland formation for the Rosa Unit, filed a Plan of Development which proposed the drilling of sixty-one (61) Fruitland Coal wells.

In addition to the Plan of Development proposed by letter dated February 27, 1991, Meridian Oil Inc., as Unit Sub-Operator, submits the following additional wells, as requested by Mitchell Energy Corporation who is 100% drill block owner, for drilling during the 1991 calendar year. Mitchell will drill the following wells under a Designation of Agent Agreement:

WELL NAME	DESCRIPTION	FORMATION
Rosa Unit #318	W/2 Sec. 13-31N-5W	Fruitland Coal
Rosa Unit #319	E/2 Sec. 14-31N-5W	Fruitland Coal
Rosa Unit #324	W/2 Sec. 24-31N-5W	Fruitland Coal
Rosa Unit #326	W/2 Sec. 25-31N-5W	Fruitland Coal
Rosa Unit #345	S/2 Sec. 19-31N-4W	Fruitland Coal
Rosa Unit #349	E/2 Sec. 29-31N-4W	Fruitland Coal

If this First Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the Space provided on the attached sheet and return an approved copy to the attention of the undersigned at the letterhead address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

Kent Beers
Attorney-in-Fact

KOB:AA:kaw

Rosa Unit 3.0
2+12

APPROVED:_____ DATE:_____

Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

APPROVED:_____ DATE:_____

Commission of Public Lands
(Subject to like approval by the
Bureau of Land Management and
the Oil Conservation Division)

APPROVED:_____ DATE: 8-8-91

Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and
the Commissioner of Public Lands)

The foregoing approvals for the 1991 Drilling Program for the Fruitland Formation in Rosa Unit I, Sec. No. 587, San Juan & Rio Arriba Counties, New Mexico.

ROSA UNIT WORKING INTEREST OWNERS

Amoco Production Company

Coastal Oil & Gas Corp.

Elizabeth T. Calloway

Winifred K. Ponder
c/o Texas Commerce Bank of El Paso

Frank A. Schultz

Fred E. Turner

J. Glenn Turner, Jr.

John Brennand, Executor

John L. Turner

Lois J. Willard

Ameritrust Texas N.A., Trustees for
Mary Frances Truner, Jr.

Mitchell Energy Corporation

Northwest Pipeline Corporation

Patricia Penrose Schieffer, Trustee

Phillips Petroleum Company

The Wiser Oil Company

William G. Webb

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 8900
SALT LAKE CITY, UTAH 84108-0900
801-583-8800

191094.wp

#133

March 26, 1991

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington NM 87401

State of New Mexico
Commissioner of Public Lands
ATTN: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe NM 87504-1148

State of New Mexico
Oil Conservation Commission
ATTN: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe NM 87503

Re: Rosa Unit I, Sec. No. 587
San Juan and Rio Arriba Counties, New Mexico
1991 Plan of Development

Gentlemen:

By letter dated February 26, 1990, Northwest Pipeline Corporation, as Unit Operator, filed the 1990 Plan of Development for the referenced unit. The Plan of Development indicated that no wells would be drilled during 1990 in the Unit. In August of 1989, Northwest Pipeline Corporation designated Meridian Oil Production, Inc. as Suboperator of the Fruitland formation within the Unit, therefore, Meridian Oil Production Inc. will provide an accounting of the Fruitland Coal formation wells drilled during 1990, as well as any Fruitland formation wells drilled under prior years drilling programs which are operated by Meridian.

As of this date, the total number of wells drilled and operated by Northwest Pipeline Corporation in the Rosa Unit on acreage committed to the unit is as follows:

Pictured Cliffs, plugged and abandoned	2
Pictured Cliffs/Mesaverde, (Pictured Cliffs non-commercial, Mesaverde commercial)	1
Mesaverde, commercial	27
Mesaverde, non-commercial	4
Mesaverde, plugged and abandoned	8
Mesaverde/Dakota, commercial	2
Dakota, commercial	3
Dakota, non-commercial	14
Dakota, undetermined	4
Dakota, plugged and abandoned	3
Mesaverde/Gallup/Dakota, (Gallup non-commercial, Dakota and Mesaverde commercial)	1
Gallup/Dakota, (Gallup non-commercial, Dakota commercial)	2
Gallup/Dakota, commerciality undetermined	5
Gallup/Dakota, non-commercial	13
Gallup, non-commercial	1
Gallup/Dakota, (Gallup commerciality undetermined, Dakota plugged and abandoned)	1
Gallup/Dakota, (Gallup commerciality undetermined, Dakota non-commercial)	1
TOTAL	92

The Participating Areas which have been established in the Rosa Unit are as follows:

Formation	Revision	Effective
Mesaverde	Fifteenth	January 1, 1983
Dakota	Fifth	May 1, 1981

Pursuant to Section 9 of the Rosa Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, is submitting a Plan of Development providing for the drilling of no wells during 1991.

Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to Northwest Pipeline Corporation.

Copies of this Plan of Development are being sent to the Working Interest Owners as shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION

Darrell L. Gillen
Land Manager

DLG:jbl

Attachment

cc: Working Interest Owners
W.O. Curtis
P.C. Thompson

APPROVED _____ DATE _____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and the
Oil Conservation Commission

APPROVED _____ DATE _____

Commissioner of Public Lands
Subject to like approval by the
Area Oil and Gas Supervisor and
the Oil Conservation Commission

APPROVED Ry E Johnson DATE 4-8-91

Oil Conservation Commission
Subject to like approval by the
Area Oil and Gas Supervisor and
the Commissioner of Public Lands

The foregoing approvals are for the 1991 Plan of Development for the Rosa Unit I, Sec. No. 587.

U56N2650
03/14/90

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
SOUTHERN DIVISION, PRODUCTION MGR.
1670 BROADWAY
P.O. BOX 800
DENVER, CO 80201

COASTAL OIL & GAS CORP.
ATTN: MR. JOHN R. KENNEDY
P.O. BOX 749
DENVER, CO 80201-0749

ELIZABETH T. CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

FRANK A. SCHULTZ
LINCOLN PLAZA, SUITE 2160 LB-1
500 NORTH AKARD
DALLAS, TX 75201

FRED E. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
DALLAS, TX 75206 4079

J. GLENN TURNER, JR.
500 ITV CENTER
2001 ROSS AVENUE
DALLAS, TX 75201

JOHN BRENNAND, EXECUTOR OF
ESTATE OF J.R. BRENNAND
P.O. BOX 6616
SANTA BARBARA, CA 93160

JOHN L. TURNER
8585 NORTH STEMMONS, SUITE 925N
DALLAS, TX 75247

LOIS J. WILLARD
P.O. BOX 5205
SANTA FE, NM 87502

MARY FRANCIS TURNER, JR.
TRUST (6743)
AMERITRUST TEXAS N.A. TRUSTEE
P.O. BOX 2320
DALLAS, TX 75221-2320

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

MITCHELL ENERGY CORPORATION
ATTN: MR. JERRY TAYLOR
555 SEVENTEENTH STREET, SUITE 3500
DENVER, CO 80202

PATRICIA PENROSE SCHIEFFER, TRUSTEE
1640 1ST CITY BANK TOWER
201 MAIN STREET
FORT WORTH, TX 76102

PHILLIPS PETROLEUM COMPANY
ATTN: JAY KIEKE
300 WEST ARRINGTON, SUITE 200
FARMINGTON, NM 87401

THE WISER OIL COMPANY
P.O. BOX 192
SISTERSVILLE, WV 26175

WILLIAM G. WEBB
2200 ROSS AVENUE, SUITE 2200
DALLAS, TX 75201-6776

U56N2650
03/14/90

WORKING INTEREST OWNERS
ROSA UNIT

WINIFRED K. PONDER
C/O TEXAS COMMERCE BANK OF EL PASO
ATTN: JULIA E. MERKT
P.O. DRAWER 140
EL PASO, TX 79980

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LAPLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
Rosa Unit Dakota (PA)
3180 (019)

APR 30 1991

Northwest Pipeline Corporation
P. O. Box 8900
Salt Lake City, UT 84108-0900

Re: Rosa Unit 6th and 7th
Revision of the Dakota P.A.

Gentlemen:

We have completed a Geologic and Engineering review of your applications for the 6th and 7th revisions to the Rosa Unit Dakota Participating Area.

The 6th revision is based upon the completion of the Rosa Unit No. 100 and is comprised of the S/2 sec. 21, T. 31 N., R. 6 W.. It is hereby approved, effective November 1, 1984.

The 7th revision is based upon the completion of the Rosa Unit No. 116 and is comprised of the E/2 sec. 24, T. 31 N., R. 6 W.. It is hereby approved, effective January 1, 1985.

A copy of your approved application is enclosed.

Please call Duane Spencer at (505) 327-5344 if you have any questions concerning this matter.

Sincerely,

/s/ John L. Keller

Ron Fellows
FOR Area Manager

1 Enclosure

cc:
New Mexico Oil Conservation Division w/o encl.
Commissioner of Public Lands w/o encl.
Minerals Management Service w/encl.

El Paso
Natural Gas Company

P.O. BOX 4289
FARMINGTON, NEW MEXICO 87499
PHONE: 505-326-9700

February 27, 1991

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
P.O.Box 2088
Santa Fe, New Mexico 87501

RE: Rosa Unit I Sec. No. 587
Fruitland Formation
1991 Plan of Development
San Juan County, New Mexico &
Rio Arriba County, New Mexico

Gentlemen:

By letters dated February 27, 1990, March 12, 1990, and June 25, 1990 Meridian Oil Inc. (Meridian) as Unit Sub-Operator, for the Rosa Unit, filed the Fruitland formation Plans of Development (POD) for the calendar year 1990. These programs provided for the drilling of one hundred and thirty-six (136) Fruitland Coal wells and the recompletion of three (3) Dakota wells into the Fruitland formation. Fruitland Coal wells actually drilled during 1990 were the Rosa Unit numbers 202, 208, 209, 210, 212, 214, 215, 217, 218, 219, 220, 221, 223, 224, 225, 226, 227, 228, 229, 230, 232, 233, 234, 235, 236, Com 237, Com 238, Com 239, 240, 241, 242, 243, 256, 258, 261, 262, 263, 264, 266, 267, 268, 269, 270, 271, 272, 273, 274, 276, 277, 279, 280, 282, 283, 284, 284, 285, 293, 296, 297, 305, 309, 310, 311, 321, 322, 329, 331, 332, 334, 335, 336. The Rosa Unit #84 well was recompleted from the Dakota into the Fruitland Coal formation.

As of this date, the total number of wells in the Rosa Unit Fruitland formation are as follows:

Fruitland Coal, Commerciality undetermined	85
Salt Water Disposal Facility (Mesaverde formation)	1

A participating area for the Fruitland Coal formation has not been established to date.

Pursuant to Section 9 of the Rosa Unit Agreement, Meridian, as Unit Sub-Operator, hereby submits the following wells for the 1991 Plan of Development. Rosa Unit numbers 82 through 351 are carried over from the 1990 POD.

WELL NAME	DRILLING BLOCK	FORMATION
Rosa Unit #82	W/2 Sec. 9-31N-4W	Recomplete from Dakota to Fruitland Coal
Rosa Unit #83	W/2 Sec. 15-31N-4W	Recomplete from Dakota to Fruitland Coal
Rosa Unit #245	S/2 Sec. 8-31N-5W	Fruitland Coal
Rosa Unit #246	W/2 Sec. 9-31N-5W	Fruitland Coal
Rosa Unit #247	E/2 Sec. 9-31N-5W	Fruitland Coal
Rosa Unit #248	W/2 Sec. 15-31N-5W	Fruitland Coal
Rosa Unit #249	W/2 Sec. 16-31N-5W	Fruitland Coal
Rosa Unit #250	E/2 Sec. 16-31N-5W	Fruitland Coal
Rosa Unit #251	E/2 Sec. 17-31N-5W	Fruitland Coal
Rosa Unit #252	W/2 Sec. 32-31N-5W	Fruitland Coal
Rosa Unit #253	E/2 Sec. 32-32N-6W	Fruitland Coal
Rosa Unit #254	E/2 Sec. 36-32N-6W	Fruitland Coal
Rosa Unit #255	All Sec. 4-31N-5W	Fruitland Coal
Rosa Unit #265	E/2 Sec. 27-31N-5W	Fruitland Coal
Rosa Unit #275	W/2 Sec. 16-31N-6W	Fruitland Coal
Rosa Unit #281	N/2 Sec. 1-31N-4W	Fruitland Coal
Rosa Unit #287	E/2 Sec. 4-31N-4W	Fruitland Coal
Rosa Unit #288	W/2 Sec. 4-31N-4W	Fruitland Coal
Rosa Unit #289	E/2 Sec. 6-31N-4W	Fruitland Coal
Rosa Unit #290	W/2 Sec. 6-31N-4W	Fruitland Coal
Rosa Unit #291	E/2 Sec. 8-31N-4W	Fruitland Coal
Rosa Unit #292	W/2 Sec. 8-31N-4W	Fruitland Coal
Rosa Unit #294	W/2 Sec. 10-31N-4W	Fruitland Coal
Rosa Unit #295	E/2 Sec. 12-31N-4W	Fruitland Coal
Rosa Unit #298	W/2 Sec. 14-31N-4W	Fruitland Coal
Rosa Unit #299	E/2 Sec. 16-31N-4W	Fruitland Coal

Rosa Unit #300	W/2 Sec. 16-31N-4W	Fruitland Coal
Rosa Unit #301	E/2 Sec. 18-31N-4W	Fruitland Coal
Rosa Unit #302	W/2 Sec. 18-31N-4W	Fruitland Coal
Rosa Unit #303	E/2 Sec. 20-31N-4W	Fruitland Coal
Rosa Unit #304	W/2 Sec. 20-31N-4W	Fruitland Coal
Rosa Unit #306	W/2 Sec. 22-31N-4W	Fruitland Coal
Rosa Unit #307	E/2 Sec. 24-31N-4W	Fruitland Coal
Rosa Unit #308	W/2 Sec. 24-31N-4W	Fruitland Coal
Rosa Unit #312	W/2 Sec. 28-31N-4W	Fruitland Coal
Rosa Unit #313	W/2 Sec. 29-31N-4W	Fruitland Coal
Rosa Unit #314	E/2 Sec. 30-31N-4W	Fruitland Coal
Rosa Unit #315	W/2 Sec. 30-31N-4W	Fruitland Coal
Rosa Unit Com #330	W/2 Sec. 34-32N-6W	Fruitland Coal
Rosa Unit #337	All Sec. 3-31N-5W	Fruitland Coal
Rosa Unit #338	N/2 Sec. 10-31N-5W	Fruitland Coal
Rosa Unit #339	S/2 Sec. 10-31N-5W	Fruitland Coal
Rosa Unit #340	E/2 Sec. 15-31N-5W	Fruitland Coal
Rosa Unit #341	W/2 Sec. 11-31N-5W	Fruitland Coal
Rosa Unit #342	E/2 Sec. 11-31N-5W	Fruitland Coal
Rosa Unit #343	E/2 Sec. 15-31N-5W	Fruitland Coal
Rosa Unit #344	S/2 Sec. 23-31N-5W	Fruitland Coal
Rosa Unit #346	W/2 Sec. 13-31N-4W	Fruitland Coal
Rosa Unit #347	N/2 Sec. 19-31N-4W	Fruitland Coal
Rosa Unit #348	W/2 Sec. 7-31N-4W	Fruitland Coal
Rosa Unit #351	W/2 Sec. 27-31N-4W	Fruitland Coal
Rosa Unit #352	E/2 Sec. 5-31N-4W	Fruitland Coal
Rosa Unit #353	W/2 Sec. 17-31N-4W	Fruitland Coal
Rosa Unit #354	E/2 Sec. 21-31N-4W	Fruitland Coal
Rosa Unit #355	E/2 Sec. 27-31N-4W	Fruitland Coal
Rosa Unit #356	E/2 Sec. 11-31N-5W	Fruitland Coal
Rosa Unit #357	W/2 Sec. 11-31N-5W	Fruitland Coal
Rosa Unit #358	E/2 Sec. 13-31N-5W	Fruitland Coal
Rosa Unit #359	S/2 Sec. 23-31N-5W	Fruitland Coal
Rosa Unit #360	E/2 Sec. 26-31N-5W	Fruitland Coal
Rosa Unit #361	W/2 Sec. 26-31N-5W	Fruitland Coal

Meridian has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of the above listed wells during the calendar year 1991.

Meridian, as Unit Sub-Operator, plans to drill any offset Fruitland Formation wells required to prevent drainage of unitized substances and any other Fruitland Formation wells deemed necessary or desirable by the Unit Sub-Operator and the working interest owners.

If this POD is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the attention of the undersigned at the letterhead address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

Kent Beers
Attorney-in-Fact

KOB:AA:kaw
Enclosure

Rosa Unit, 3.0
1+64

APPROVED:_____ DATE:_____

Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

APPROVED:_____ DATE:_____

Commission of Public Lands
(Subject to like approval by the
Bureau of Land Management and
the Oil Conservation Division)

APPROVED:_____ DATE: 3-5-91

Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and
the Commissioner of Public Lands)

The foregoing approvals for the 1991 Drilling Program for the Fruitland Formation in Rosa Unit I, Sec. No. 587, San Juan & Rio Arriba Counties, New Mexico.

ROSA UNIT WORKING INTEREST OWNERS

Amoco Production Company

Coastal Oil & Gas Corp.

Elizabeth T. Calloway

Winifred K. Ponder
c/o Texas Commerce Bank of El Paso

Frank A. Schultz

Fred E. Turner

J. Glenn Turner, Jr.

John Brennand, Executor

John L. Turner

Lois J. Willard

Ameritrust Texas N.A., Trustees for
Mary Frances Truner, Jr.

Mitchell Energy Corporation

Northwest Pipeline Corporation

Patricia Penrose Schieffer, Trustee

Phillips Petroleum Company

The Wiser Oil Company

William G. Webb

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LAPLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:

Rosa Unit (POD)
3183.5 (019)

#133

JAN. 4 1991

Meridian Oil Inc.
P. O. Box 4289
Farmington, NM 87499-4289

Re: Rosa Unit
4th Supplement, 1990 POD

Gentlemen:

Enclosed is an approved copy of your 4th Supplement to the 1990 POD for the Rosa Unit. This approval covers your plan to recomplete 3 wells and drill 11 wells to the Fruitland Coal. Please submit your 1991 POD by March 1, 1991.

Please call Duane Spencer at (505) 327-5344 if you have any questions.

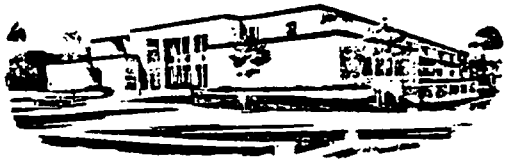
Sincerely,

/s/ John L. Keller

John L. Keller
Chief, Branch of Mineral Resources

cc:
Mitchell Energy Corp., Mr. Jerry Taylor, 555 17th St., Suite 3500, Denver, CO 80202 w/encl.
Commissioner of Public Lands, State of New Mexico, P. O. Box 1148, Santa Fe, NM 87504 w/o encl.
New Mexico Oil Conservation Division, 310 Old Santa Fe Trail, Room 206, Santa Fe, NM 87503 w/o encl.

State of New Mexico



Commissioner of Public Lands

JIM BACA
COMMISSIONER

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

January 15, 1991

Meridian Oil Inc.,
3535 East 30th Street
P.O. Box 4289
Farmington, NM 87499-4289

Attn: Alan Alexander

Re: Rosa Unit
San Juan County, New Mexico
1990 Plan of Development
1990 1st Supplement
1990 2nd Supplement
1990 3rd Supplement

Dear Mr. Alexander:

The Commissioner of Public Lands this date approved the 1990 Plan of Development for the Rosa Unit. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development may exist. You will be contacted at a later date regarding these possibilities.

If we may be of further help, please do not hesitate to contact Clyde Langdale at (505) 827-5791.

Sincerely,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

Floyd O Prando by BS

BY:
Floyd O. Prando, Director
Oil, Gas & Minerals Division

cc: OCD
Unit Corresp.
Unit POD

Rosa Unit (POD)
3180 (019)

DIVISION
RECEIVED
'90 JUN 7 AM 9 16

JUN 05 1990

Meridian Oil Inc.
Attn: Kent Beers
P. O. Box 4289
Farmington, NM 87499

Gentlemen:

One approved copy of your second Supplemental 1990 Plan of Development for the Rosa Unit Area, I sec. No. 587, Rio Arriba and San Juan Counties, New Mexico is enclosed. Such plan, proposing the drilling of eighteen (18) additional Fruitland Coal wells during 1990, was approved on this date (subject to like approval by the appropriate officials of the State of New Mexico).

The possibility of drainage by wells outside of the unit boundary may exist. You will be contacted at a later date about this possibility.

If you have any questions, please contact Kenny Howell, Petroleum Engineer, at the above address or telephone (505) 327-5344.

Sincerely,

/s/ John L. Keller

John Keller, Chief
Branch of Mineral Resources

Enclosure

cc: New Mexico Oil Conservation Division, 310 Old Santa Fe Trail, Room 206, Santa Fe, NM 87503
Commissioner of Public Lands, State of New Mexico, P.O. Box 1148, Santa Fe, NM 87504

MERIDIAN OIL

OIL CONSERVATION DIVISION
RECEIVED

'90 JUN 27 AM 9 28

June 25, 1990

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, NM 87501

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501

Re: Rosa Unit I Sec. No. 587
Fruitland Formation
Third Supplemental
1990 Plan of Development
San Juan County, New Mexico &
Rio Arriba County, New Mexico

Gentlemen:

By letter dated February 27, 1990, Meridian Oil Inc., as Sub-Operator of the Fruitland formation for the Rosa Unit, filed a 1990 Plan of Development which proposed the drilling of one hundred and four (104) Fruitland Coal wells. By letter dated March 12, 1990, Meridian submitted the First Supplemental Plan of Development which provided for the carry over of one additional Fruitland Coal well from the 1989 program. By letter dated May 9, 1990, Meridian submitted the Second Supplemental Plan of Development which provided for eighteen (18) additional coal wells.

In addition to the previously proposed Plans of Development, Meridian Oil Inc., as Unit Sub-Operator, submits the following additional wells for drilling or recompletion during the 1990 calendar year.

WELL NAME	DESCRIPTION	FORMATION
Rosa Unit #82	W/2 Sec. 9, T31N, R4W	Recomplete from Dakota to Fruitland Coal
Rosa Unit #83	W/2 Sec. 15, T31N, R4W	Recomplete from Dakota to Fruitland Coal
Rosa Unit #84	E/2 Sec. 23, T31N, R4W	Recomplete from Dakota to Fruitland Coal
Rosa Unit #335	All Sec. 5, T31N, R5W	Fruitland Coal
Rosa Unit #336	N/2 Sec. 8, T31N, R5W	Fruitland Coal
Rosa Unit #341	W/2 Sec. 11, T31N, R4W	Fruitland Coal
Rosa Unit #342	E/2 Sec. 11, T31N, R4W	Fruitland Coal
Rosa Unit #343	E/2 Sec. 15, T31N, R4W	Fruitland Coal
Rosa Unit #344	W/2 Sec. 23, T31N, R4W	Fruitland Coal
Rosa Unit #345	S/2 Sec. 19, T31N, R4W	Fruitland Coal
Rosa Unit #346	W/2 Sec. 13, T31N, R4W	Fruitland Coal
Rosa Unit #347	N/2 Sec. 19, T31N, R4W	Fruitland Coal
Rosa Unit #348	W/2 Sec. 7, T31N, R4W	Fruitland Coal
Rosa Unit #349	E/2 Sec. 29, T31N, R4W	Fruitland Coal
Rosa Unit #350	E/2 Sec. 9, T31N, R4W	Fruitland Coal
Rosa Unit #351	W/2 Sec. 27, T31N, R4W	Fruitland Coal
Rosa Unit #352	W/2 Sec. 29, T31N, R4W	Fruitland Coal

Meridian Oil Inc., as Unit Sub-Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Sub-Operator or the working interest owners.

If this Third Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return an approved copy of the attention of the undersigned at the letterhead address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

Kent Beers
Attorney-in-Fact

KOB:AA:ch

Rosa Unit 3.0
63+

APPROVED: _____ DATED: _____

Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

APPROVED: _____ DATED: _____

Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

APPROVED: _____ DATED: 6-29-90

Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

The foregoing approvals for the Third Supplement to the 1990 Drilling Program for the Rosa Unit I, Sec. No. 587, San Juan and Rio Arriba County, New Mexico.

MERIDIAN OIL

June 28, 1990

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, NM 87501

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501

Re: Rosa Unit I Sec. No. 587
Fruitland Formation
Third Supplemental
1990 Plan of Development
San Juan County, New Mexico &
Rio Arriba County, New Mexico

Gentlemen:

Meridian Oil Inc., as Sub-operator of the Fruitland Formation, filed the referenced supplement to the 1990 Plan of Development under letter dated June 25, 1990. It has been discovered that the #352 well located in the W/2 of Section 29, T-31-N, R-4-W should not have been included in the Third Supplemental letter because it was already included on the Rosa Plan of Development under well number #313 as proposed in our letter to the regulatory agencies dated February 27, 1990. In this regard please delete the Rosa Unit #352 well from the June 25, 1990 letter.

We apologize for any inconvenience this might have caused. Copies of this letter are being sent to the Rosa Unit working interest owners.

Very truly yours,

Alan Alexander
Senior Land Advisor

AA:gm

Rosa Unit 3.0
cc: W.I. Owners

Meridian Oil Inc., 3535 East 30th St., P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-327-0251

ROSA UNIT WORKING INTEREST OWNERS

Amoco Production Company

Coastal Oil & Gas Corp.

Elizabeth T. Calloway

Winifred K. Ponder
c/o Texas Commerce Bank of El Paso

Frank A. Schultz

Fred E. Turner

J. Glenn Turner, Jr.

John Brennand, Executor

John L. Turner

Lois J. Willard

Ameritrust Texas N.A., Trustees for
Mary Frances Truner, Jr.

Mitchell Energy Corporation

Northwest Pipeline Corporation

Patricia Penrose Schieffer, Trustee

Phillips Petroleum Company

The Wiser Oil Company

William G. Webb

MERIDIAN OIL

'90 SEP 27 A.M. 8 38

April 23, 1990

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, NM 87501

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501

Re: Rosa Unit I Sec. No. 587
Fruitland Formation
1990 Plan of Development
San Juan County, New Mexico &
Rio Arriba County, New Mexico

Gentlemen:

Meridian Oil Inc., as Sub-operator of the Fruitland formation under the referenced unit, has previously furnished you with the referenced Plan of Development by letter dated February 27, 1990. It has come to our attention that an error occurred in listing the drilling block of the Rosa Unit #279 well. The correct dedication of the acreage to the drill block should read E/2 Section 35, T-32-N, R-6-W instead of Section 35, T-31-N, R-6-W as indicated in the letter. Please change your records accordingly. We apologize for any problems this might have caused. A copy of this letter is being furnished to the working interest owners.

Very truly yours,

Alan Alexander

Alan Alexander
Senior Land Advisor

AA:gm
Rosa Unit, 3.0

cc: Rosa Unit Working Interest Owners

63+

ROSA UNIT WORKING INTEREST OWNERS

Amoco Production Company

Coastal Oil & Gas Corp.

Elizabeth T. Calloway

Winifred K. Ponder
c/o Texas Commerce Bank of El Paso

Frank A. Schultz

Fred E. Turner

J. Glenn Turner, Jr.

John Brennand, Executor

John L. Turner

Lois J. Willard

Ameritrust Texas N.A., Trustees for
Mary Frances Truner, Jr.

Mitchell Energy Corporation

Northwest Pipeline Corporation

Patricia Penrose Schieffer, Trustee

Phillips Petroleum Company

The Wiser Oil Company

William G. Webb

MERIDIAN OIL

May 9, 1990

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, NM 87501

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501

Re: Rosa Unit I Sec. No. 587
Fruitland Formation
Second Supplemental
1990 Plan of Development
San Juan County, New Mexico &
Rio Arriba County, New Mexico

Gentlemen:

By letter dated February 27, 1990, Meridian Oil Inc., as Sub-Operator of the Fruitland formation for the Rosa Unit, filed a 1990 Plan of Development which proposed the drilling of one hundred and four (104) Fruitland Coal wells. By letter dated March 12, 1990, Meridian submitted the First Supplemental Plan of Development which provided for the carry over of one additional Fruitland Coal well from the 1989 program.

In addition to the Plans of Development proposed by letters dated February 27, 1990 and March 12, 1990, Meridian Oil Inc., as Unit Sub-Operator, submits the following additional wells for drilling during the 1990 calendar year.

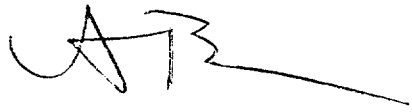
WELL NAME	DESCRIPTION	FORMATION
Rosa Unit #245	S/2 Sec. 8, T31N, R5W	Fruitland Coal
Rosa Unit #246	W/2 Sec. 9, T31N, R5W	Fruitland Coal
Rosa Unit #247	E/2 Sec. 9, T31N, R5W	Fruitland Coal
Rosa Unit #248	W/2 Sec. 15, T31N, R5W	Fruitland Coal
Rosa Unit #249	W/2 Sec. 16, T31N, R5W	Fruitland Coal
Rosa Unit #250	E/2 Sec. 16, T31N, R5W	Fruitland Coal
Rosa Unit #251	E/2 Sec. 17, T31N, R5W	Fruitland Coal
Rosa Unit #252	W/2 Sec. 32, T31N, R5W	Fruitland Coal
Rosa Unit #253	E/2 Sec. 32, T32N, R6W	Fruitland Coal
Rosa Unit #254	E/2 Sec. 36, T32N, R6W	Fruitland Coal
Rosa Unit #255	ALL Sec. 4, T31N, R5W	Fruitland Coal
Rosa Unit #332	W/2 Sec. 22, T31N, R6W	Fruitland Coal
Rosa Unit #333	E/2 Sec. 10, T31N, R6W	Fruitland Coal
Rosa Unit #334	E/2 Sec. 32, T31N, R5W	Fruitland Coal
Rosa Unit #337	ALL Sec. 3, T31N, R5W	Fruitland Coal
Rosa Unit #338	N/2 Sec. 10, T31N, R5W	Fruitland Coal
Rosa Unit #339	S/2 Sec. 10, T31N, R5W	Fruitland Coal
Rosa Unit #340	E/2 Sec. 15, T31N, R5W	Fruitland Coal

Meridian Oil Inc., as Unit Sub-Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Sub-Operator or the working interest owners.

If this Second Supplemental Plan of Development is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return an approved copy of the attention of the undersigned at the letterhead address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,



Kent Beers
Attorney-in-Fact

KOB:AA:gm

Rosa Unit 3.0
63+

APPROVED: _____ DATED: _____

Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

APPROVED: _____ DATED: _____

Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

APPROVED: _____ DATED: 5-14-90

Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

The foregoing approvals for the Second Supplemental 1990 Plan of Development for the Rosa Unit I Sec. No. 587, San Juan & Rio Arriba Counties, New Mexico.

ROSA UNIT WORKING INTEREST OWNERS

Amoco Production Company

Coastal Oil & Gas Corp.

Elizabeth T. Calloway

Winifred K. Ponder

Frank A. Schultz

Fred E. Turner

J. Glenn Turner, Jr.

John Brennand, Executor

John L. Turner

Lois J. Willard

Mary Francis Truner, Jr.

Mitchell Energy Corporation

Northwest Pipeline Corporation

Patricia Penrose Schieffer, Trustee

Phillips Petroleum Company

The Wiser Oil Company

William G. Webb

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

LAND DEPARTMENT

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-584-7215

334-90

May 24, 1990

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: Rosa Unit I Sec. No. 587
San Juan and Rio Arriba Counties, New Mexico

APPROVAL OF THE FIFTEENTH PARTICIPATING AREA
Mesaverde formation
Effective January 1, 1983

Gentlemen:

The referenced approval of the Fifteenth Participating Area in the Rosa Unit Mesaverde formation was approved as follows:

Bureau of Land Management	5/11/90
Oil Conservation Commission	4/30/90

Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION

Darrell L. Gillen
Land Manager

DLG:cg
Attachment

cc: Working Interest Owners
W. O. Curtis
L. L. Fullmer
R. L. Glenn
M. H. Johnson
L. G. Loving
J. K. Nielsen
M. V. Polanshek
C. N. Potter
P. C. Thompson

U56N2650
05/24/90

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
SOUTHERN DIVISION, PRODUCTION MGR.
1670 BROADWAY
P.O. BOX 800
DENVER, CO 80201

COASTAL OIL & GAS CORP.
ATTN: MR. JOHN R. KENNEDY
P.O. BOX 749
DENVER, CO 80201-0749

ELIZABETH T. CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

FRANK A. SCHULTZ
LINCOLN PLAZA, SUITE 2160 LB-1
500 NORTH AKARD
DALLAS, TX 75201

FRED E. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

J. GLENN TURNER, JR.
500 LTV CENTER
2001 ROSS AVENUE
DALLAS, TX 75201

JOHN BRENNAND, EXECUTOR OF
ESTATE OF J.R. BRENNAND
P.O. BOX 6616
SANTA BARBARA, CA 93160

JOHN L. TURNER
8585 NORTH STEMMONS, SUITE 925N
DALLAS, TX 75247

LOIS J. WILLARD
P.O. BOX 5205
SANTA FE, NM 87502

MARY FRANCIS TURNER, JR.
TRUST (6743)
AMERITRUST TEXAS N.A. TRUSTEE
P.O. BOX 2320
DALLAS, TX 75221-2320

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

MITCHELL ENERGY CORPORATION
ATTN: MR. JERRY TAYLOR
555 SEVENTEENTH STREET, SUITE 3500
DENVER, CO 80202

PATRICIA PENROSE SCHIEFFER, TRUSTEE
1640 1ST CITY BANK TOWER
201 MAIN STREET
FORT WORTH, TX 76102

PHILLIPS PETROLEUM COMPANY
ATTN: JAY KIEKE
300 WEST ARRINGTON, SUITE 200
FARMINGTON, NM 87401

THE WISER OIL COMPANY
P.O. BOX 192
SISTERSVILLE, WV 26175

WILLIAM G. WEBB
2200 ROSS AVENUE, SUITE 2200
DALLAS, TX 75201-6776

WORKING INTEREST OWNERS
ROSA UNIT

WINIFRED K. PONDER
C/O TEXAS COMMERCE BANK OF EL PASO
ATTN: JULIA E. MERKT
P.O. DRAWER 140
EL PASO, TX 79980

DIVISION

United States Department of the Interior

3 AM 9 04

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LAPLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:

Rosa Unit (POD)
3180 (019)

AUG. 0 1 1990

Meridian Oil, Incorporated
Attn: Kent Beers
P. O. Box 4289
Farmington, NM 87499

Gentlemen:

One approved copy of your third supplemental 1990 Plan of Development for the Rosa Unit area, Rio Arriba County, New Mexico is enclosed. Such plan, proposing three (3) recompletions to the Fruitland Coal and the drilling of 14 new Fruitland Coal wells, was approved on this date (subject to like approval by the appropriate officials of the State of New Mexico).

The possibility of drainage by wells outside of the unit boundary may exist. You will be contacted at a later date about this possibility.

If you have any questions, please contact Kenny Howell, Petroleum Engineer, at the above address or telephone (505) 327-5344.

Sincerely,

for John L. Keller, Chief
Branch of Mineral Resources

cc: State of New Mexico, Commissioner of Public Lands, P. O. Box 1148, Santa Fe, NM 87504
New Mexico Oil Conservation Division, 310 Old Santa Fe Trail, Room 206, Santa Fe, NM 87503

Rosa Unit (PA)
3180 (019)

APR 18 1990

Northwest Pipeline Corporation
P. O. Box 8900
Salt Lake City, UT 84108-0900

Gentlemen:

By letter dated February 22, 1990, we received a Notice of Completion of Non-Commercial wells, Gallup Formation, Rio Arriba County, New Mexico. Northwest Pipeline Corporation, as unit operator, has determined that the Rosa Unit No. 118 well (located 1850 feet from the north line and 790 feet from the east line, section 35, T. 32 N., R. 6 W.) is not capable of producing unitized substances in paying quantities from the Gallup Formation. This notice is hereby accepted for the record.

If you have any questions, please contact Kenny Howell at the above address or telephone (505) 327-5344.

Sincerely,

/s/ John L. Keller

John L. Keller, Chief
Branch of Mineral Resources

Enclosures

cc: New Mexico Oil Conservation Division, 310 Old Santa Fe Trail, Room 206, Santa Fe, NM 87503
Commissioner of Public Lands, State of New Mexico, P. O. Box 1148, Santa Fe, NM 87504

DIVISION
RECEIVED
'90 MAY 16 AM 8 44

Rosa Unit (PA)
3180 (019)

MAY 14 1990

Northwest Pipeline Corporation
P. O. Box 58900
Salt Lake City, UT 84138-0900

Gentlemen:

We have received your letter of April 20, 1990, requesting the approval of the Fifteenth Expanded Participating Area, Mesaverde Formation, Rosa Unit, I Sec. 587, Rio Arriba County, New Mexico.

The application for approval of the Fifteenth Expanded Participating Area seeks to add 320.00 acres described as the E/2 section 33, T. 32 N., R. 6 W. (E/2 SE/4 is non-committed) to the Mesaverde Participating Area. Contributing to this area is the completion of the Rosa Unit No. 90 Com well, located 1800' FNL, 1810' FEL, section 33, T. 32 N., R. 6 W.. The Fifteenth Expanded Participating Area was approved on this date and is effective January 1, 1983.

If you have any questions, please contact Kenny Howell, Petroleum Engineer, at the above address or telephone (505) 327-5344.

Sincerely,

/s/ John L. Keller

John Keller
Chief, Branch of Minerals

Enclosures

cc: Minerals Management Service, RMP, P. O. Box 25165, Denver, CO 80223
New Mexico Oil Conservation Division, 310 Old Santa Fe Trail, Room 206, Santa Fe, NM 87503
Commissioner of Public Lands, State of New Mexico, P. O. Box 1148, Santa Fe, NM 87504

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

LAND DEPARTMENT

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-584-7215

233-90

April 20, 1990

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: Rosa Unit I Sec. 587
San Juan & Rio Arriba Counties, New Mexico

APPLICATION FOR APPROVAL OF THE FIFTEENTH PARTICIPATING AREA
Mesaverde formation
Effective January 1, 1983

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement I Sec. No. 587, approved January 24, 1948, Northwest Pipeline Corporation, as Unit Operator, hereby respectfully requests approval of the captioned participating area for the Mesaverde formation.

The proposed participating area for the Mesaverde formation is predicated upon the determination by Northwest Pipeline Corporation, as Unit Operator, that the following Rosa Unit Mesaverde well is capable of producing unitized substances in paying quantities.

FIFTEENTH PARTICIPATING AREA - Effective January 1, 1983

Description of Lands	No. of Acres
Township 32 North, Range 6 West, N.M.P.M. Section 33: E/2	320.00

The well data is as follows:

The Rosa Mesaverde Unit #90 Com well is located 1800 feet from the North line and 1810 feet from the East line, Section 33, Township 32 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on September 30, 1982 and completed on November 16, 1982, in the Mesaverde formation at a plug back depth of 5805'. The Mesaverde formation was perforated with 30 holes between the following depths:

5441' - 5778'

These perforations were treated with 1000 gallons 7-1/2% HCl followed by a sand/water fracturing. The well was shut-in with a SIPT of 1146 psig and SIPC of 1159 psig. On December 2, 1982, the well was tested and after flowing for three hours through a 3/4" variable choke on the 1-1/4" tubing, the well gauged 4368 Mcf/d with a calculated AOF of 5603 Mcf/d.

In support of this application, the following listed exhibits are made a part hereof:

Exhibit "A"

Ownership map reflecting the boundaries of the Unit and the proposed Mesaverde Participating Area within the Rosa Unit.

Exhibit "B"

Geological Report on the proposed Participating Area within the Rosa Unit.

Exhibit "C"

Figure No. 1: Structure Map
Figure No. 2: Net Sand Thickness Map Point Lookout Formation

Exhibit "D"

Rosa Unit Mesaverde Participating Area Production Schedule

Attached hereto is the schedule showing the proposed Mesaverde Participating Area. The schedule describes the Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the percentage of ownership in the tracts.

If the proposed Participating Area set forth herein meets with your approval, please indicate such approval in the space provided on the attached sheet and return an approved copy for our files.

Copies of this letter, exhibits and schedule are being sent to the Working Interest Owners shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION

Darrell L. Gillen
Land Manager

DLG/cg
Attachments

cc: Working Interest Owners
W. O. Curtis
L. L. Fullmer
R. L. Glenn
M. H. Johnson
L. G. Loving
J. K. Nielsen
M. V. Polanshek
C. N. Potter
P. C. Thompson

APPROVED _____ DATE _____
Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands
and the Oil Conservation Commission

APPROVED _____ DATE _____
Commissioner of Public Lands
Subject to like approval by the
Area Oil and Gas Supervisor
and the Oil Conservation Commission

APPROVED _____ DATE 4-30-90
Oil Conservation Commission
Subject to like approval by the
Area Oil and Gas Supervisor
and the Commissioner of Public Lands

The foregoing are approvals for the FIFTEENTH PARTICIPATING AREA in the Mesaverde formation of the Rosa Unit I Sec. 587.

U56N2650
04/20/90

WORKING INTEREST OWNERS
ROSA UNIT

AMOCO PRODUCTION COMPANY
SOUTHERN DIVISION, PRODUCTION MGR.
1670 BROADWAY
P.O. BOX 800
DENVER, CO 80201

COASTAL OIL & GAS CORP.
ATTN: MR. JOHN R. KENNEDY
P.O. BOX 749
DENVER, CO 80201-0749

ELIZABETH T. CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

FRANK A. SCHULTZ
LINCOLN PLAZA, SUITE 2160 LB-1
500 NORTH AKARD
DALLAS, TX 75201

FRED E. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

J. GLENN TURNER, JR.
500 LTV CENTER
2001 ROSS AVENUE
DALLAS, TX 75201

JOHN BRENNAND, EXECUTOR OF
ESTATE OF J.R. BRENNAND
P.O. BOX 6616
SANTA BARBARA, CA 93160

JOHN L. TURNER
8585 NORTH STEMMONS, SUITE 925N
DALLAS, TX 75247

LOIS J. WILLARD
P.O. BOX 5205
SANTA FE, NM 87502

MARY FRANCIS TURNER, JR.
TRUST (6743)
AMERITRUST TEXAS N.A. TRUSTEE
P.O. BOX 2320
DALLAS, TX 75221-2320

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

MITCHELL ENERGY CORPORATION
ATTN: MR. JERRY TAYLOR
555 SEVENTEENTH STREET, SUITE 3500
DENVER, CO 80202

PATRICIA PENROSE SCHIEFFER, TRUSTEE
1640 1ST CITY BANK TOWER
201 MAIN STREET
FORT WORTH, TX 76102

PHILLIPS PETROLEUM COMPANY
ATTN: JAY KIEKE
300 WEST ARRINGTON, SUITE 200
FARMINGTON, NM 87401

THE WISER OIL COMPANY
P.O. BOX 192
SISTERSVILLE, WV 26175

WILLIAM G. WEBB
2200 ROSS AVENUE, SUITE 2200
DALLAS, TX 75201-6776

U56N2650
04/20/90

WORKING INTEREST OWNERS
ROSA UNIT

WINIFRED K. PONDER
C/O TEXAS COMMERCE BANK OF EL PASO
ATTN: JULIA E. MERKT
P.O. DRAWER 140
EL PASO, TX 79980

SCHEDULE XVI
FIFTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 13			
SF-078763	T-31-N, R-5-W	527.96	Royalty	12.500000%	12.500000%	2.877334%
	Sec. 5: All		Working Interest			
	Sec. 8: NE/4		Northwest Pipeline Corp.	63.875000%	63.875000%	
			Coastal Oil & Gas	23.625000%	23.625000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
	T-31-N, R-5-W	320.00	Royalty	12.500000%	12.500000%	1.743971%
	Sec. 8: S/2		Working Interest			
			Northwest Pipeline Corp.	20.125000%	20.125000%	
			Amoco	43.750000%	43.750000%	
			Coastal Oil & Gas Corp.	23.625000%	23.625000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 14			
SF-078767	T-31-N, R-5-W	2518.04	Royalty	12.500000%	12.500000%	13.723089%
	Sec. 6: All		Working Interest			
	Sec. 7: All		Northwest Pipeline Corp.	63.875000%	63.875000%	
	Sec. 8: NW/4		Coastal Oil & Gas Corp.	23.625000%	23.625000%	
	T-31-N, R-6-W		ORRI	0.000000%	0.000000%	
	Sec. 12: All		Total	100.000000%	100.000000%	
	Sec. 13: Lots 1, 2, 3, 4, W/2, W/2E/2 (All)					
	Sec. 24: Lots 1, 2, 3, 4, W/2, W/2E/2 (All)					

SCHEDULE XVI
FIFTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 18			
SF-078764	T-31-N, R-5-W Sec. 18: All Sec. 19: E/2E/2, NW/4NE/4, SW/4SE/4, Lots 1, 4 Sec. 20: SE/4 Sec. 29: N/2NE/4, SW/4, W/2SE/4 Sec. 30: E/2, Lots 1, 2, 3, 4 (All) Sec. 31: E/2, Lots 1, 2, 3, 4 (All)	2187.30	Royalty Working Interest Northwest Pipeline Corp. Coastal Oil & Gas Corp. ORRI Total	12.500000% 63.875000% 23.625000% 0.000000% 100.000000%	12.500000% 63.875000% 23.625000% 0.000000% 100.000000%	11.920586%
	T-31-N, R-5-W Sec. 20: N/2	320.00	Royalty Working Interest Northwest Pipeline Corp. Coastal Oil & Gas Corp. Amoco ORRI Total	12.500000% 20.125000% 23.625000% 43.750000% 0.000000% 100.000000%	12.500000% 20.125000% 23.625000% 43.750000% 0.000000% 100.000000%	1.743971%
			TRACT 19			
Fee	T-31-N, R-5-W Sec. 19: Lots 2, 3, SW/4NE/4, NW/4SE/4	152.22	Royalty Working Interest Northwest Pipeline Corp. Coastal Oil & Gas Corp. ORRI Total	12.500000% 63.875000% 23.625000% 0.000000% 100.000000%	12.500000% 63.875000% 23.625000% 0.000000% 100.000000%	.829585%

SCHEDULE XVI
FIFTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 20			
Fee	T-31-N, R-5-W	320.00	Royalty	12.500000%	12.500000%	1.743971%
	Sec. 20: SW/4		Working Interest			
	Sec. 29: NW/4		Northwest Pipeline Corp.	63.875000%	63.875000%	
			Coastal Oil & Gas Corp.	23.625000%	23.625000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 21			
SF-079165	T-31-N, R-5-W	160.00	Royalty	12.500000%	12.500000%	.871985%
	Sec. 29: S/2NE/4, E/2SE/4		Working Interest			
			Northwest Pipeline Corp.	63.875000%	63.875000%	
			Coastal Oil & Gas Corp.	23.625000%	23.625000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 25			
E-347-33	T-31-N, R-5-W	160.00	Royalty	12.500000%	12.500000%	.871985%
	Sec. 32: NW/4		Working Interest			
			El Paso Natural Gas Co.	52.499848%	52.599848%	
			Winnifred Ponder	17.500032%	17.500032%	
			John Brennand	8.750060%	8.750060%	
			Lois J. Willard	8.750060%	8.750060%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 26			
E-347-41	T-31-N, R-5-W	160.00	Royalty	12.500000%	12.500000%	.871985%
	Sec. 32: NE/4		Working Interest			
			Northwest Pipeline Corp.	87.500000%	87.500000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	

SCHEDULE XVI
FIFTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 27			
E-347-32	T-31-N, R-5-W Sec. 32: S/2	320.00	Royalty	12.500000%	12.500000%	1.743971%
			Working Interest			
			El Paso Natural Gas Co.	62.625000%	62.625000%	
			ORRI	21.875000%	21.875000%	
			Total	100.000000%	100.000000%	
			TRACT 28			
SF-078773	T-31-N, R-5-W Sec. 33: S/2	320.00	Royalty	12.500000%	12.500000%	1.743971%
			Working Interest			
			Northwest Pipeline Corp.	20.125000%	20.125000%	
			Coastal Oil & Gas Corp.	23.625000%	23.625000%	
			Amoco	43.750000%	43.750000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 29			
SF-078772	T-31-N, R-6-W Sec. 1: All Sec. 3: Lots 5, 6, 7, 8, 9, SE/4, E/2SW/4, SW/4SW/4 Sec. 4: Lots 5, 6, 7, 8, 9, N/2SW/4, NW/4SE/4, SE/4SE/4 T-32-N, R-6-W Sec. 33: W/2	1161.86	Royalty	12.500000%	12.500000%	6.332032%
			Working Interest			
			Northwest Pipeline Corp.	63.875000%	63.875000%	
			Coastal Oil & Gas Corp.	23.625000%	23.625000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
	T-32-N, R-6-W Sec. 33: NE/4, W/2SE/4 Sec. 34: E/2, E/2W/2, SW/4SW/4 Sec. 35: All	1400.00	Royalty	12.500000%	12.500000%	7.629873%
			Working Interest			
			Northwest Pipeline Corp.	20.125000%	20.125000%	
			Coastal Oil & Gas Corp.	23.625000%	23.625000%	
			Amoco	43.750000%	43.750000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	

SCHEDULE XVI
FIFTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 30			
E-289-41	T-31-N, R-6-W	346.91	Royalty	12.500000%	12.500000%	1.890628%
	Sec. 2: Lots 6,		Working Interest			
	7, 8, S/2		Northwest Pipeline Corp.	62.050000%	62.050000%	
			Coastal Oil & Gas Corp.	22.950000%	22.950000%	
			ORRI	2.500000%	2.500000%	
			Total	100.000000%	100.000000%	
			TRACT 31			
Uncommitted	T-31-N, R-6-W	9.35	Royalty	12.500000%	0.000000%	0.000000%
	Sec. 2: Lot 5		Working Interest			
			Credo Petroleum	87.500000%	0.000000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	0.000000%	
			TRACT 32			
Uncommitted	T-31-N, R-6-W	38.12	Royalty	12.500000%	0.000000%	0.000000%
	Sec. 3 & 4 a		Working Interest			
	portion thereof		T. H. McElvain, et al	87.500000%	0.000000%	
	designated as		ORRI	0.000000%	0.000000%	
	Tract 37		Total	100.000000%	0.000000%	
Uncommitted	T-32-N, R-6-W	120.00	Royalty	12.500000%	0.000000%	0.000000%
	Sec. 33: E/2SE/4		Working Interest			
	Sec. 34: NW/4SW/4		T. H. McElvain, et al	87.500000%	0.000000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	0.000000%	

SCHEDULE XVI
FIFTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 33			
SF-078765	T-31-N, R-6-W Sec. 4: S/2SW/4, SW/4SE/4 Sec. 5: All Sec. 8: NW/4, E/2NE/4 Sec. 9: All Sec. 10: Lots 1, 2, 3, E/2E/2, NW/4 Sec. 15: Lots 1, 2, E/2SW/4, E/2	2220.23	Royalty Working Interest Northwest Pipeline Corp. Coastal Oil & Gas Corp. ORRI Total	12.500000% 63.875000% 23.625000% 0.000000% 100.000000%	12.500000% 63.875000% 23.625000% 0.000000% 100.000000%	12.100052%
	T-31-N, R-6-W Sec. 8: SW/4	160.00	Royalty Working Interest Northwest Pipeline Corp. Coastal Oil & Gas Corp. Amoco ORRI Total	12.500000% 20.125000% 23.625000% 43.750000% 0.000000% 100.000000%	12.500000% 20.125000% 23.625000% 43.750000% 0.000000% 100.000000%	.871985%
			TRACT 34			
Fee	T-31-N, R-6-W Sec. 8: W/2NE/4	80.00	Royalty Working Interest Northwest Pipeline Corp. Coastal Oil & Gas Corp. ORRI Total	12.500000% 63.875000% 23.625000% 0.000000% 100.000000%	12.500000% 63.875000% 23.625000% 0.000000% 100.000000%	.435993%
			TRACT 35			
Fee	T-31-N, R-6-W Sec. 10: W/2E/2	160.00	Royalty Working Interest Northwest Pipeline Corp. Coastal Oil & Gas Corp. ORRI Total	12.500000% 63.875000% 23.625000% 0.000000% 100.000000%	12.500000% 63.875000% 23.625000% 0.000000% 100.000000%	.871985%

SCHEDULE XVI
FIFTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 36			
Fee	T-31-N, R-6-W	161.52	Royalty	12.500000%	12.500000%	.880269%
	Sec. 10: Tract 38		Working Interest			
	Sec. 15: Tract 38		Northwest Pipeline Corp.	59.882813%	59.882813%	
			Coastal Oil & Gas Corp.	22.148437%	22.148437%	
			ORRI	5.468750%	5.468750%	
			Total	100.000000%	100.000000%	
			TRACT 37			
SF-078771	T-31-N, R-6-W	2560.00	Royalty	12.500000%	12.500000%	13.951767%
	Sec. 11: All		Working Interest			
	Sec. 14: All		Northwest Pipeline Corp.	63.875000%	63.875000%	
	Sec. 23: All		Coastal Oil & Gas Corp.	23.625000%	23.625000%	
	Sec. 26: All		ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 38			
Fee	T-31-N, R-6-W	80.00	Royalty	12.500000%	12.500000%	.435993%
	Sec. 15: Tract 39		Working Interest			
			Northwest Pipeline Corp.	63.875000%	63.875000%	
			Coastal Oil & Gas Corp.	23.625000%	23.625000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 39			
SF-078766	T-31-N, R-6-W	864.48	Royalty	12.500000%	12.500000%	4.711337%
	Sec. 22: E/2		Working Interest			
	Sec. 25: Lots 1, 2, 3, 4, W/2, W/2E/2 (All)		Northwest Pipeline Corp.	63.875000%	63.875000%	
			Coastal Oil & Gas Corp.	23.625000%	23.625000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	

SCHEDULE XVI
FIFTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 39 Cont.			
	T-31-N, R-6-W	248.41	Royalty	12.500000%	12.500000%	1.353812%
	Sec. 22: Lot 1,		Working Interest			
	SW/4, E/2NW/4		Northwest Pipeline Corp.	20.125000%	20.125000%	
			Amoco	43.750000%	43.750000%	
			Coastal Oil & Gas Corp.	23.625000%	23.625000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 43			
E-289-43	T-31-N, R-6-W	80.00	Royalty	12.500000%	12.500000%	.435993%
	Sec. 15: 8.41		Working Interest			
	Ac. out of		Northwest Pipeline Corp.	82.500000%	82.500000%	
	S/2S/2SW/4SW/4		ORRI	5.000000%	5.000000%	
	Sec. 22: W/2NW/4		Total	100.000000%	100.000000%	
			TRACT 44			
E-504-14	T-32-N, R-6-W	320.00	Royalty	12.500000%	12.500000%	1.743971%
	Sec. 32: W/2		Working Interest			
			Northwest Pipeline Corp.	84.500000%	84.500000%	
			ORRI	3.000000%	3.000000%	
			Total	100.000000%	100.000000%	
			TRACT 45			
E-504-13	T-32-N, R-6-W	320.00	Royalty	12.500000%	12.500000%	1.743971%
	Sec. 32: E/2		Working Interest			
			El Paso Natural Gas Co.	65.625000%	65.625000%	
			ORRI	21.875000%	21.875000%	
			Total	100.000000%	100.000000%	

SCHEDULE XVI
FIFTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			TRACT 46			
Fee	T-32-N, R-6-W Sec. 34: W/2NW/4	80.00	Royalty	12.500000%	12.500000%	.435993%
			Working Interest			
			Northwest Pipeline Corp.	20.125000%	20.125000%	
			Coastal Oil & Gas Corp.	23.625000%	23.625000%	
			Amoco	43.750000%	43.750000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 47			
E-346-27	T-32-N, R-6-W Sec. 36: W/2	320.00	Royalty	12.500000%	12.500000%	1.743971%
			Working Interest			
			Northwest Pipeline Corp.	63.875000%	63.875000%	
			Coastal Oil & Gas Corp.	23.625000%	23.625000%	
			ORRI	0.000000%	0.000000%	
			Total	100.000000%	100.000000%	
			TRACT 48			
E-346-24	T-32-N, R-6-W Sec. 36: E/2	320.00	Royalty	12.500000%	12.500000%	1.743971%
			Working Interest			
			El Paso Natural Gas Co.	65.625000%	65.625000%	
			ORRI	21.875000%	21.875000%	
			Total	100.000000%	100.000000%	

SCHEDULE XVI
FIFTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

R E C A P I T U L A T I O N

Description of lands in Mesaverde Participating Area:

Township 31 North, Range 5 West, N.M.P.M.
Section 33: S/2
Section 5, 6, 7, 8, 18, 19, 20, 29, 30, 31, 32: All

Township 31 North, Range 6 West, N.M.P.M.
Section 8: N/2, SW/4
Section 1, *2, *3, *4, 5, 9, 10, 11, 12, 13, 14, 15, 22, 23, 24, 25, 26: All

Township 32 North, Range 6 West, N.M.P.M.
Section 32, *33 *34, 35, 36: All

Total Number of Acres in Participating Area:	18,516.40
Total Number of Acres Committed to Participating Area:	18,348.93

* Portion of this acreage not committed to unit.

EXHIBIT "B"

ROSA UNIT
RIO ARRIBA AND SAN JUAN COUNTIES, NEW MEXICO

GEOLOGIC REPORT
MESAVERDE PRODUCING INTERVAL

PROPOSED FIFTEENTH EXPANSION OF THE
MESAVERDE PARTICIPATING AREA

NORTHWEST PIPELINE CORPORATION

APPROVED BY: K. J. Stracke

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EXHIBIT "B"

ROSA UNIT
RIO ARRIBA AND SAN JUAN COUNTIES, NEW MEXICO

GEOLOGIC REPORT
MESAVERDE PRODUCING INTERVAL

PROPOSED FIFTEENTH EXPANSION OF THE
MESAVERDE PARTICIPATING AREA

INTRODUCTION

The Rosa Unit is located in the Northeast quadrant of the New Mexico portion of the San Juan Basin, including parts of Township 31 North, Ranges 4, 5, and 6 and Township 32 North, Range 6 West. 54,211.01 acres comprise the Rosa Unit.

Within the unit area, the "Mesaverde Producing Interval" (NMOCC Order No. R-5459) has been tested in 43 wells resulting in 31 commercial wells, 4 non-commercial wells, and 8 wells plugged and abandoned.

The "Mesaverde Producing Interval" consists of the Cliff House Formation (top), the Menefee Formation, and the Point Lookout Formation (base). The Cliff House Formation, composed of transgressive marine sandstones and siltstones, is very thin throughout most of the Rosa Unit and contributes little (if any) to gas production. The Menefee Formation consists of sandstones, siltstones, shales, and coals deposited in nonmarine environments (swamp and fluvial). Although the sandstones within the Menefee are lenticular with limited areal extent, they contribute to gas production. The Point Lookout Formation is composed of regressive marine sandstones and thin shales. The major producing horizon within the Mesaverde interval in the Rosa Unit is the Point Lookout Formation.

Included in this report as Exhibit "C" are two maps (Figures 1 and 2). Figure 1 is a structure map contoured on the "C" marker bed (probably a bentonite bed) of the Lewis Shale. The map reflects the structural configuration of the underlying Mesaverde Group. Mean sea level is the datum plane, and the contour interval is 20 feet. The synclinal axis of the San Juan Basin extends across the Rosa Unit, plunging to the East throughout the mapped area.

Figure 2 is an isopachous map contoured on the net productive Point Lookout Formation as determined from radioactive and electric logs of wells drilled within the unit and the surrounding area; the contour interval is 20 feet.

Exhibit "D" (Table 1) is a tabulation of the Mesaverde gas production from the unit. The table shows monthly gas production of each well for March 1989 through February 1990. Cumulative production through February 1990 is also shown. The Rosa Unit has produced 19,546 MMcf of gas from the "Mesaverde Producing Interval" as of February 28, 1990.

PROPOSED FIFTEENTH EXPANSION OF THE MESAVERDE PARTICIPATING AREA

Effective Date: January 1, 1983

Proposed Acreage: Township 32 North, Range 6 West, N.M.P.M.
Section 33: East Half (320 Acres)
Total acres: 320

The Fifteenth Expansion of the "Mesaverde Participating Area" is based on log interpretation, initial test results and five months of production of the Northwest Pipeline Corporation Rosa Unit well #90 Com. From this data, it is inferred that the proposed acreage is capable of producing unitized substances in commercial quantities from the "Mesaverde Producing Interval". This well is described as follows:

The Rosa Mesaverde Unit #90 Com well is located 1800 feet from the North line and 1810 feet from the East line, Section 33, Township 32 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on September 30, 1982, and completed on November 16, 1982, in the Mesaverde formation at a plug back depth of 5805'. The Mesaverde formation was perforated with 30 holes between the following depths:

5441' - 5778'

These perforations were treated with 1000 gallons 7-1/2% HCl followed by a sand/water fracturing. The well was shut-in with a SIPT of 1146 psig and SIPC of 1159 psig. On December 2, 1982, the well was tested and after flowing for three hours through a 3/4" variable choke on the 1-1/4" tubing, the well gauged 4368 Mcf/d with a calculated AOF of 5603 Mcf/d.

On the basis of the above well, the East half of Section 33, Township 32 North, Range 6 West (320 acres) is recommended as the Fifteenth Expansion of the "Mesaverde Participating Area".

EXHIBIT D

NORTHWEST PIPELINE CORPORATION
RESERVOIR ENGINEERING EXTENDED HISTORY FILE EXTRACT
ROSA UNIT MESAVEDE PARTICIPATING AREA GAS PRODUCTION
GAS VOLUMES IN MCF @ 14.73 PSIA 60 DEG. F

MON APRIL 2, 1990 4:56:23 PM

WELL NAME	LOCATION			I.D. MO/YR	3/89	4/89	5/89	6/89	7/89	8/89	9/89	10/89	11/89	12/89	1/90	2/90	CUM TO 2/28/90
ROSA UNIT #10	13M	31N	6W	10/57	0	0	0	0	0	0	0	0	0	0	2754	843	564649
ROSA UNIT #12	15A	31N	6W	10/57	0	0	0	0	0	0	0	0	0	8247	4167	1592	1229844
ROSA UNIT #13	31G	31N	5W	10/57	0	0	0	0	0	0	0	0	0	10362	5283	1311	1227582
ROSA UNIT #14	23B	31N	6W	10/57	0	0	0	0	0	0	0	0	0	0	4442	2089	664482
ROSA UNIT #15	29H	31N	5W	10/57	0	0	0	0	0	0	0	0	0	5950	3855	1179	623255
ROSA UNIT #16	14N	31N	6W	10/57	0	0	0	0	0	0	0	0	0	0	3450	906	790637
ROSA UNIT #17	20M	31N	5W	10/57	0	0	0	0	0	0	0	0	0	0	5642	1881	484545
ROSA UNIT #18	22H	31N	6W	10/57	0	0	0	0	0	0	0	0	0	0	541	247	575253
ROSA UNIT #19	24K	31N	6W	10/57	0	0	0	0	0	0	0	0	0	0	2933	1675	612562
ROSA UNIT #20	14G	31N	6W	10/57	37	0	0	0	0	0	0	0	0	0	3509	560	856932
ROSA UNIT #21	23M	31N	6W	10/57	0	0	0	0	0	0	0	0	0	4928	2650	328	853498
ROSA UNIT #22	18A	31N	5W	10/57	0	0	0	0	0	0	0	0	0	0	1676	785	473711
ROSA UNIT #23	29M	31N	5W	10/57	0	0	0	0	0	0	0	0	0	0	1243	763	353219
ROSA UNIT #24	32M	31N	5W	11/57	0	0	0	0	0	0	0	0	0	5392	3050	1948	1044560
ROSA UNIT #25	15N	31N	6W	11/57	0	0	0	0	0	0	0	0	0	0	0	0	657625
ROSA UNIT #26	32A	31N	5W	6/58	0	0	0	0	0	0	0	0	0	3946	3482	1334	745898
ROSA UNIT #29	32H	32N	6W	10/58	0	0	0	0	0	0	0	0	0	4264	4770	2003	1001045
ROSA UNIT #34	36B	32N	6W	5/60	0	0	0	0	0	0	0	0	0	810	969	0	1423494
ROSA UNIT #35X	5K	31N	6W	5/60	0	0	0	0	0	0	0	0	0	1444	2877	373	420844
ROSA UNIT #36	11H	31N	6W	5/60	0	0	0	0	0	0	0	0	0	4322	3418	1437	1178501
ROSA UNIT #41	5K	31N	5W	5/62	0	0	0	0	0	0	0	0	0	0	3197	526	655997
ROSA UNIT #45 NP	9M	31N	5W	6/83	0	0	439	819	1068	539	270	728	263	169	127	219	33117
ROSA UNIT #77 CMGD	33L	31N	5W	4/82	0	0	0	0	0	0	0	0	7484	5570	5790	2317	294405
ROSA UNIT #79	22K	31N	6W	11/81	0	0	0	0	0	0	0	0	0	11008	7396	3047	357327
ROSA UNIT #8	26M	31N	6W	11/57	0	0	0	0	0	0	0	0	0	0	0	0	278838
ROSA UNIT #80	8K	31N	5W	11/81	0	0	0	0	0	0	0	0	0	0	2115	3172	270300
ROSA UNIT #85	20A	31N	5W	6/82	0	0	0	0	0	0	0	0	0	8897	4758	277	270364
ROSA UNIT #88	8E	31N	6W	5/82	0	0	0	0	0	0	0	0	0	4616	3445	466	239060
ROSA UNIT #89	34A	32N	6W	1/82	0	0	0	0	0	0	0	0	0	6856	2786	0	280882
ROSA UNIT #9	11K	31N	6W	10/57	0	0	0	0	0	0	0	0	0	0	2546	1222	459939
ROSA UNIT #90 COM	33G	32N	6W	6/83	5756	714	0	0	0	0	0	0	0	8774	7611	1002	291392
ROSA UNIT #91	35H	32N	6W	4/82	0	0	0	0	0	0	0	0	0	7776	6626	32	332099
TOTAL (MMCF)					6	1	0	1	1	1	0	1	8	103	107	34	19546

WELL ECONOMICS PROGRAM (GASROR)
INPUT DATA

Date: 11/08/89
Time: 5:18 pm

PROJECT:	ROSA COM #90 MV	
INITIAL RATE	MCF/DAY	650
INIT DECLINE	Z/YR	*
ACT./CAPACITY	.XXXXX	1.0000
NETBACK PRICE	$/MCF	SEE TABLE
ROYALTY	.XXXXX	.1300
FIXED COST FACTOR	M$/YR	4.2000
VARIABLE COST FACTOR	$/MCF	0.0000
PROD TAXES	Z GROSS	11.0000
WORKING INT	.XXXX	1.0000
INVESTMENT (100Z WI)	M$	284.5730
INC. TAX RATE	.XXXX	.4000
TAN/TOT INV. RATIO	.XXXX	.3500
INCOME ESC. FACTOR	.XXXX	0.0000
COST ESC. FACTOR	.XXXX	0.0000
DCF FACTOR	.XXXX	.2000
DCF FACTOR	.XXXX	.5000
DCF FACTOR	.XXXX	1.0000
DCF FACTOR	.XXXX	1.5000
DCF FACTOR	.XXXX	2.0000
DCF FACTOR	.XXXX	2.5000

O P E R A T I N G I N C O M E

ROSA COM #90 MV

YEAR	DSPC DECLINE	DSPC ACT./CAP.	ACTUAL PROD	ANNUAL PROD	R.RES YR - 1	NETBACK PRICE	GROSS INCOME	ROYALTY	INCOME AFT ROY	FIXED COST	VARIABLE COST	PROD TAXES	TOTAL COST	WORKING INTEREST	CASHFLOW 100Z
	.XXX	MCF/D	MMCF	MCF/D	MMCF	MMCF	$/MCF	M$/YR	.XXX	M$/YR	M$/YR	$/MCF	Z IAR	M$/YR	.XXX	M$/YR
1		450	1.000	450	164	1124	2.75	452	.1300	393	4.2	.00	11.00	47.4	1.000	346
2	.200	360	1.000	360	131	960	2.90	381	.1300	332	4.2	.00	11.00	40.7	1.000	291
3	.200	288	1.000	288	105	828	2.74	288	.1300	251	4.2	.00	11.00	31.8	1.000	219
4	.200	230	1.000	230	84	723	1.83	154	.1300	134	4.2	.00	11.00	18.9	1.000	115
5	.095	209	1.000	209	76	639	1.30	99	.1300	86	4.2	.00	11.00	13.7	1.000	72
6	.095	189	1.000	189	69	563	1.27	87	.1300	76	4.2	.00	11.00	12.6	1.000	64
7	.095	171	1.000	171	62	494	1.11	69	.1300	60	4.2	.00	11.00	10.8	1.000	49
8	.095	155	1.000	155	56	432	1.32	74	.1300	65	4.2	.00	11.00	11.3	1.000	53
9	.095	140	1.000	140	51	375	1.40	71	.1300	62	4.2	.00	11.00	11.0	1.000	51
10	.095	127	1.000	127	46	324	1.65	76	.1300	66	4.2	.00	11.00	11.5	1.000	55
11	.095	115	1.000	115	42	278	1.97	82	.1300	72	4.2	.00	11.00	12.1	1.000	60
12	.095	104	1.000	104	38	236	2.20	83	.1300	72	4.2	.00	11.00	12.2	1.000	60
13	.095	94	1.000	94	34	198	2.42	83	.1300	72	4.2	.00	11.00	12.1	1.000	60
14	.095	85	1.000	85	31	164	2.62	81	.1300	71	4.2	.00	11.00	12.0	1.000	59
15	.095	77	1.000	77	28	133	2.84	80	.1300	69	4.2	.00	11.00	11.8	1.000	57
16	.095	70	1.000	70	25	105	2.90	74	.1300	64	4.2	.00	11.00	11.2	1.000	53
17	.095	63	1.000	63	23	80	2.96	68	.1300	59	4.2	.00	11.00	10.7	1.000	48
18	.095	57	1.000	57	21	57	3.02	63	.1300	55	4.2	.00	11.00	10.2	1.000	44
19	.095	52	1.000	52	19	36	3.08	58	.1300	50	4.2	.00	11.00	9.7	1.000	41
20	.095	47	1.000	47	17	17	3.15	54	.1300	47	4.2	.00	11.00	9.3	1.000	37
TOTALS ===>		1124			1124			2478		2156				321		1835

DISCOUNTED CASHFLOW ANALYSIS

ROSA COM #90 MV

Date:11/08/89
Time: 5:18 pm

YEAR	NET OPER INCOME	INVEST MENT	DEPREC	TAXABLE INCOME	INCOME TAX	NET CASHFLOW	<----- DISCOUNTED CASH FLOW (MID YEAR) -----> .200	.500	1.000	1.500	2.000	2.500	CUM CASH FLOW
	M$	M$	M$	M$	M$	M$	M$	M$	M$	M$	M$	M$	M$
	0	285		-185	-74	-211	-211	-211	-211	-211	-211	-211	-211
1	346	0	15	331	132	213	195	174	151	135	123	114	3
2	291	0	12	279	112	179	136	98	63	45	34	27	182
3	219	0	9	210	84	135	86	49	24	14	9	6	317
4	115	0	7	108	43	72	38	17	6	3	2	1	389
5	72	0	7	66	26	46	20	7	2	1	0	0	435
6	64	0	6	57	23	41	15	4	1	0	0	0	475
7	49	0	6	44	18	32	10	2	0	0	0	0	507
8	53	0	5	48	19	34	9	2	0	0	0	0	541
9	51	0	5	47	19	32	7	1	0	0	0	0	574
10	55	0	4	51	20	35	6	1	0	0	0	0	608
11	60	0	4	56	22	37	5	1	0	0	0	0	646
12	60	0	3	57	23	37	5	0	0	0	0	0	683
13	60	0	3	57	23	37	4	0	0	0	0	0	720
14	59	0	3	56	22	36	3	0	0	0	0	0	757
15	57	0	2	55	22	35	3	0	0	0	0	0	792
16	53	0	2	51	20	33	2	0	0	0	0	0	825
17	48	0	2	46	19	30	1	0	0	0	0	0	855
18	44	0	2	43	17	27	1	0	0	0	0	0	882
19	41	0	2	39	16	25	1	0	0	0	0	0	907
20	37	0	2	36	14	23	1	0	0	0	0	0	930
TOTALS	1835	285	100	1550	620	930	336	146	37	-13	-42	-62	

RATE OF RETURN (%) = 137

ROSA COM #90 MV

AFTER TAX RATE OF RETURN