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April 24, 2008

Williams.

EXPLORATION & PRODUCTION
One Williams Center
P.O. Box 3102
Tulsa, OK 74101-3102
918/573-2000

Bureau of Land Management (3 copies)
Farmington Resource Area
Attn: 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: Ed Martin
1200 South St. Francis Drive
P.O. Box 2308
Santa Fe, New Mexico 87504-2308

Re: Rosa Unit I, Sec. No 587
Rosa Fruitland Formation
San Juan and Rio Arriba Counties, New Mexico
NOTICE OF COMPLETION OF COMMERCIAL AND NON-COMMERCIAL WELLS AND RE-COMMERCIALITIES

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 #212A, #222A, #226A, #235A, #239A, #362, #372, #375, #376, #376A, and #383 are capable of producing unitized substances in paying quantities from the Fruitland formation.

Also being submitted are wells there are non-commercial but work has been done on the wells to improve production - with new commercialities #212, #226, #235, #239, #261, #344, #359, are now capable of producing unitized substances in paying quantities from the Fruitland formation. Rosa #258, #310A, #312A, #336A, #347A, #350, #351A, #360, #382, #389A, #63A, and #381 are not capable of producing unitized substances in paying quantities from the Fruitland formation.

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

Kris Russell
Sr. Contract Administrator
918/573-6181
Kris.russell@williams.com

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 #212A, #222A, #226A, #235A, #239A, #362, #372, #375, #376, #376A, #383, #212, #226, #235, #239, #261, #344, #359.

WORKING INTEREST OWNERS
ROSA UNIT

BP AMERICA PRODUCTION CO.
ATTN: JOHN LARSON, WL1 RM 19.158
501 WESTLAKE BOULEVARD
HOUSTON, TX 77079-3092

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

MS. ELIZABETH T. CALLOWAY
P.O. BOX 191767
DALLAS, TX 75219-1767

FRED TURNER, LLC
4925 GREENVILLE AVE., SUITE 852
DALLAS, TX 75206-4079

J. GLENN TURNER, JR. LLC
3838 OAK LAWN
SUITE 1450
DALLAS, TX 75219

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

MARY FRANCES TURNER, JR. TRUST
ATTN: BARRY L. DOMINICK
TX1-2931
P.O. BOX 660197
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. AGT
ATTN: JEFF ANDERSON
P.O. BOX 2546
FORTH WORTH, TX 76113-2546

FOREST OIL CORPORATION
ATTN: KEN MCPHEE
707 17TH STREET
DENVER, CO 80202

MS. VICTORIA WEBB
806 CORDOVA
DALLAS, TX 75223

HENRIETTA E. SCHULTZ, TRUSTEE
500 NORTH AKARD, SUITE 2940
DALLAS, TX 75201

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

CONOCOPHILLIPS COMPANY
ATTN: CHIEF LANDMAN,
SAN JUAN/ROCKIES
P.O. BOX 4289
FARMINGTON, NM 87499-4289

04/24/08

Rosa Unit Fruitland Coal Commerciality Determinations

Commercial

Well Name:	**Rosa Unit # 212**				
Location:	Sec 14 T31N R06W		Top Perf:	2993	ft
Footage:	1585 FNL 1070 FEL		Bottom Perf:	3171	ft
County:	Rio Arriba		IP Date:	May-91	
Spud Date:	Sep-90		IP Rate:	217	Mcfd
Completion Type:	Cavity		Tubing Size:	2 7/8	in
Recomp/Recav Date:	Nov-05		SITP/SICP:	1144	psi
Commercial Status:	**Non Commercial**	**Sep-90**			
	Commercial	**Nov-05**			

Commercial

Well Name:	**Rosa Unit # 212A**				
Location:	Sec 14 T31N R06W		Top Perf:	2894	ft
Footage:	1150 FSL 1385 FEL		Bottom Perf:	3070	Ft
County:	Rio Arriba		IP Date:		
Spud Date:	Aug-04		IP Rate:		Mcfd
Completion Type:			Tubing Size:	2 7/8	In
Recomp/Recav Date:			SITP/SICP:		Psi
Commercial Status:	**Commercial**	**Aug-04**			

Commercial

Well Name:	**Rosa Unit # 222A**				
Location:	Sec 15 T31N R06W		Top Perf:	3030	Ft
Footage:	1645 FSL 2180 FEL		Bottom Perf:	3170	Ft
County:	Rio Arriba		IP Date:	Nov-89	
Spud Date:	Sep-04		IP Rate:		Mcfd
Completion Type:			Tubing Size:	2 7/8	In
Recomp/Recav Date:			SITP/SICP:		Psi
Commercial Status:	**Commercial**	**Sep-04**			

Commercial

Well Name:	**Rosa Unit # 226**				
Location:	Sec 12 T31N R06W		Top Perf:	2940	Ft
Footage:	1850 FNL 1700 FEL		Bottom Perf:	3097	Ft
County:	Rio Arriba		IP Date:	Oct-90	
Spud Date:	Oct-90		IP Rate:	TSTM	Mcfd
Completion Type:	Cavity		Tubing Size:	2 3/8	In
Recomp/Recav Date:	Apr-03		SITP/SICP:	717	Psi
Commercial Status:	**Non Commercial**	**Oct-90**			
	Commercial	**Apr-03**			

Rosa Unit Fruitland Coal Commerciality Determinations

Commercial

Well Name:	**Rosa Unit # 226A**				
Location:	Sec 12 T31N R06W		Top Perf:	3026	ft
Footage:	1380 FNL 890 FWL		Bottom Perf:	3197	ft
County:	Rio Arriba		IP Date:		
Spud Date:	Aug-04		IP Rate:		Mcfd
Completion Type:			Tubing Size:	2 7/8	in
Recomp/Recav Date:			SITP/SICP:		psi
Commercial Status:	**Commercial**	**Aug-04**			

Commercial

Well Name:	**Rosa Unit # 235**				
Location:	Sec 9 T31N R06W		Top Perf:	3126	ft
Footage:	890 FNL 1765 FEL		Bottom Perf:	3213	ft
County:	San Juan		IP Date:	Aug-90	
Spud Date:	Jun-90		IP Rate:	122	Mcfd
Completion Type:	Fracture Stimulation		Tubing Size:	2 3/8	in
Recomp/Recav Date:	Feb-06		SITP/SICP:	1523	psi
Commercial Status:	**Non Commercial**	**Jun-90**			
	Commercial	**Feb-06**			

Commercial

Well Name:	**Rosa Unit # 235A**				
Location:	Sec 9 T31N R06W		Top Perf:	3400	ft
Footage:	2314 FSL 1652 FEL		Bottom Perf:	3518	ft
County:	Rio Arriba		IP Date:	Feb-07	
Spud Date:	Nov-06		IP Rate:	250	Mcfd
Completion Type:			Tubing Size:	2 7/8	in
Recomp/Recav Date:			SITP/SICP:	765	psi
Commercial Status:	**Commercial**	**Nov-06**			

Commercial

Well Name:	**Rosa Unit # 239**				
Location:	Sec 2 T31N R06W		Top Perf:	3010	ft
Footage:	835 FSL 2510 FWL		Bottom Perf:	3150	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:	Nov-05		SITP/SICP:	400	psi
Commercial Status:	**Non Commercial**	**Oct-90**			
	Commercial	**Nov-05**			

Rosa Unit Fruitland Coal Commerciality Determinations

Commercial

Well Name:	**Rosa Unit # 239A**			
Location:	Sec 2 T31N R06W	Top Perf:	3205	ft
Footage:	1307 FSL 989 FEL	Bottom Perf:	3364	ft
County:	Rio Arriba	IP Date:	Dec-06	
Spud Date:	Jun-06	IP Rate:	27	Mcfd
Completion Type:		Tubing Size:	2 7/8	in
Recomp/Recav Date:		SITP/SICP:	45	psi
Commercial Status:	**Commercial**	**Jun-06**		

Non-Commercial

Well Name:	**Rosa Unit # 258**			
Location:	Sec 22 T31N R05W	Top Perf:	3252	ft
Footage:	790 FSL 865 FWL	Bottom Perf:	3368	ft
County:	Rio Arriba	IP Date:	Jul-90	
Spud Date:	Jun-90	IP Rate:	1100	Mcfd
Completion Type:	Cavity	Tubing Size:	2 7/8	in
Recomp/Recav Date:	Jun-00	SITP/SICP:	1450	psi
Commercial Status:	**Non Commercial**	**Jun-90**		

Commercial

Well Name:	**Rosa Unit # 261**			
Location:	Sec 10 T31N R06W	Top Perf:	2974	ft
Footage:	1765 FSL 655 FWL	Bottom Perf:	3081	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:	Feb-06	SITP/SICP:	1027	psi
Commercial Status:	**Non Commercial**	**Oct-90**		
	Commercial	**Feb-06**		

Non-Commercial

Well Name:	**Rosa Unit # 310A**			
Location:	Sec 26 T31N R04W	Top Perf:	3940	ft
Footage:	689 FNL 1959 FWL	Bottom Perf:	4005	ft
County:	Rio Arriba	IP Date:	Nov-06	
Spud Date:	Aug-06	IP Rate:	26	Mcfd
Completion Type:		Tubing Size:	2 7/8	in
Recomp/Recav Date:		SITP/SICP:	45	psi
Commercial Status:	**Non Commercial**	**Aug-06**		

Rosa Unit Fruitland Coal Commerciality Determinations

Non-Commercial

Well Name:	**Rosa Unit # 312A**				
Location:	Sec 28 T31N R04W	Top Perf:	3741	ft
Footage:	1273 FNL 1967 FWL	Bottom Perf:	3947	ft
County:	Rio Arriba	IP Date:	Oct-06	
Spud Date:	Jul-06	IP Rate:	1340	Mcfd
Completion Type:		Tubing Size:	2 7/8	in
Recomp/Recav Date:		SITP/SICP:	990	psi
Commercial Status:	**Non Commercial** **Jul-06**			

Non-Commercial

Well Name:	**Rosa Unit # 336A**			
Location:	Sec 8 T31N R05W	Top Perf:	2960	ft.
Footage:	1580 FNL 915 FWL	Bottom Perf:	3120	ft
County:	Rio Arriba	IP Date:	Jun-06	
Spud Date:	Apr-06	IP Rate:	336	Mcfd
Completion Type:		Tubing Size:	2 7/8	in
Recomp/Recav Date:		SITP/SICP:	300	psi
Commercial Status:	**Non Commercial** **Apr-06**			

Commercial

Well Name:	**Rosa Unit # 344**			
Location:	Sec 25 T31N R05W	Top Perf:	3202	ft
Footage:	1755 FSL 1260 FWL	Bottom Perf:	3282	ft
County:	Rio Arriba	IP Date:	Oct-00	
Spud Date:	Aug-00	IP Rate:	333	Mcfd
Completion Type:	Cavity	Tubing Size:	2 3/8	in
Recomp/Recav Date:	May-05	SITP/SICP:	290	psi
Commercial Status:	**Non Commercial** **Aug-00**			
	Commercial **May-05**			

Non-Commercial

Well Name:	**Rosa Unit # 347A**			
Location:	Sec 11 T31N R04W	Top Perf:	3262	ft
Footage:	1286 FNL 1284 FWL	Bottom Perf:	5378	ft
County:	Rio Arriba	IP Date:	Oct-06	
Spud Date:	Sep-06	IP Rate:	208	Mcfd
Completion Type:	Horizontal	Tubing Size:	2 3/8	in
Recomp/Recav Date:		SITP/SICP:	45	psi
Commercial Status:	**Non Commercial** **Sep-06**			

Rosa Unit Fruitland Coal Commerciality Determinations

Non-Commercial

Well Name:	**Rosa Unit # 350**			
Location:	Sec 11 T31N R05W	Top Perf:	3260	ft
Footage:	791 FNL 1896 FEL	Bottom Perf:	5570	ft
County:	Rio Arriba	IP Date:	Dec-05	
Spud Date:	Oct-05	IP Rate:	344	Mcfd
Completion Type:	Horizontal	Tubing Size:	2 3/8	in
Recomp/Recav Date:		SITP/SICP:	990	psi
Commercial Status:	**Non Commercial** **Oct-05**			

Non-Commercial

Well Name:	**Rosa Unit # 351A**			
Location:	Sec 11 T31N R05W	Top Perf:	3153	ft
Footage:	1559 FNL 1287 FWL	Bottom Perf:	4444	ft
County:	Rio Arriba	IP Date:	Dec-05	
Spud Date:	Oct-05	IP Rate:	344	Mcfd
Completion Type:	Horizontal	Tubing Size:	2 3/8	in
Recomp/Recav Date:		SITP/SICP:	990	psi
Commercial Status:	**Non Commercial** **Oct-05**			

Commercial

Well Name:	**Rosa Unit # 359**			
Location:	Sec 4 T31N R05W	Top Perf:	2884	ft
Footage:	2155 FSL 1870 FWL	Bottom Perf:	3005	ft
County:	Rio Arriba	IP Date:	Oct-00	
Spud Date:	Jun-01	IP Rate:	2806	Mcfd
Completion Type:	Cavity	Tubing Size:	2 3/8	in
Recomp/Recav Date:	Oct-05	SITP/SICP:	740	psi
Commercial Status:	**Non Commercial** **Jun-01**			
	Commercial **Oct-05**			

Non-Commercial

Well Name:	**Rosa Unit # 360**			
Location:	Sec 9 T31N R05W	Top Perf:	3248	ft
Footage:	666 FSL 654 FWL	Bottom Perf:	3506	ft
County:	Rio Arriba	IP Date:	Sep-06	
Spud Date:	Jul-06	IP Rate:	208	Mcfd
Completion Type:		Tubing Size:	2 7/8	in
Recomp/Recav Date:		SITP/SICP:	45	psi
Commercial Status:	**Non Commercial** **Jul-06**			

Rosa Unit Fruitland Coal Commerciality Determinations

Commercial

Well Name:	**Rosa Unit # 362**			
Location:	Sec 36 T31N R05W	Top Perf:	3545	ft
Footage:	1610 FSL 1564 FWL	Bottom Perf:	3635	ft
County:	Rio Arriba	IP Date:	Sep-06	
Spud Date:	Apr-06	IP Rate:	104	Mcfd
Completion Type:		Tubing Size:	2 7/8	in
Recomp/Recav Date:		SITP/SICP:	32	psi
Commercial Status:	**Commercial** **Apr-06**			

Commercial

Well Name:	**Rosa Unit # 372**			
Location:	Sec 31 T31N R04W	Top Perf:	3362	ft
Footage:	2460 FSL 1205 FWL	Bottom Perf:	3446	ft
County:	Rio Arriba	IP Date:	Oct-04	
Spud Date:	Sep-04	IP Rate:	321	Mcfd
Completion Type:		Tubing Size:	2 7/8	in
Recomp/Recav Date:		SITP/SICP:	970	psi
Commercial Status:	**Commercial** **Sep-04**			

Commercial

Well Name:	**Rosa Unit # 375**			
Location:	Sec 24 T31N R05W	Top Perf:	3346	ft
Footage:	1675 FSL 1875 FWL	Bottom Perf:	3432	ft
County:	Rio Arriba	IP Date:		
Spud Date:	Jul-04	IP Rate:		Mcfd
Completion Type:		Tubing Size:	2 7/8	in
Recomp/Recav Date:		SITP/SICP:		psi
Commercial Status:	**Commercial** **Jul-04**			

Commercial

Well Name:	**Rosa Unit # 376**			
Location:	Sec 25 T31N R05W	Top Perf:	3230	ft
Footage:	2120 FNL 1835 FEL	Bottom Perf:	3290	ft
County:	Rio Arriba	IP Date:	Sep-05	
Spud Date:	Jul-05	IP Rate:	344	Mcfd
Completion Type:		Tubing Size:	2 7/8	in
Recomp/Recav Date:		SITP/SICP:	990	psi
Commercial Status:	**Commercial** **Jul-05**			

Rosa Unit Fruitland Coal Commerciality Determinations

Commercial

Well Name:	**Rosa Unit # 376A**			
Location:	Sec 25 T31N R05W	Top Perf:	3170	ft
Footage:	1970 FNL 690 FWL	Bottom Perf:	3260	ft
County:	Rio Arriba	IP Date:	Nov-06	
Spud Date:	Sep-06	IP Rate:	336	Mcfd
Completion Type:		Tubing Size:	2 7/8	in
Recomp/Recav Date:		SITP/SICP:	300	psi
Commercial Status:	**Commercial** **Sep-06**			

Non-Commercial

Well Name:	**Rosa Unit # 382**			
Location:	Sec 12 T31N R05W	Top Perf:	3056	ft
Footage:	1093 FSL 1843 FEL	Bottom Perf:	4411	ft
County:	Rio Arriba	IP Date:	Oct-05	
Spud Date:	Sep-05	IP Rate:	344	Mcfd
Completion Type:	Horizontal	Tubing Size:	2 3/8	in
Recomp/Recav Date:		SITP/SICP:	990	psi
Commercial Status:	**Non Commercial** **Sep-05**			

Commercial

Well Name:	**Rosa Unit # 383**			
Location:	Sec 29 T31N R04W	Top Perf:	3325	ft
Footage:	1045 FSL 1110 FEL	Bottom Perf:	3490	ft
County:	Rio Arriba	IP Date:	Aug-06	
Spud Date:	May-06	IP Rate:	104	Mcfd
Completion Type:	Cavity	Tubing Size:	2 3/8	in
Recomp/Recav Date:		SITP/SICP:	45	Psi
Commercial Status:	**Commercial** **May-06**			

Non-Commercial

Well Name:	**Rosa Unit # 389A**			
Location:	Sec 7 T31N R04W	Top Perf:	2750	Ft
Footage:	1018 FNL 1074 FWL	Bottom Perf:	5160	Ft
County:	Rio Arriba	IP Date:	Nov-06	
Spud Date:	Oct-06	IP Rate:	26	Mcfd
Completion Type:	Horizontal	Tubing Size:	2 3/8	In
Recomp/Recav Date:		SITP/SICP:	32	Psi
Commercial Status:	**Non Commercial** **Oct-06**			

Rosa Unit Fruitland Coal Commerciality Determinations

Non-Commercial

Well Name:	**Rosa Unit # 63A**			
Location:	Sec 30 T31N R04W	Top Perf:	3545	Ft
Footage:	1656 FSL 1430 FEL	Bottom Perf:	3635	Ft
County:	Rio Arriba	IP Date:	Sep-06	
Spud Date:	Jun-06	IP Rate:	104	Mcfd
Completion Type:		Tubing Size:	2 7/8	in
Recomp/Recav Date:		SITP/SICP:	32	psi
Commercial Status:	**Non Commercial** **Jun-06**			

Non-Commercial

Well Name:	**Rosa Unit # 381**			
Location:	Sec 11 T31N R06W	Top Perf:	2992	ft
Footage:	1000 FNL 660 FEL	Bottom Perf:	3999	ft
County:	Rio Arriba	IP Date:	Nov-02	
Spud Date:	Oct-02	IP Rate:	134	Mcfd
Completion Type:		Tubing Size:	2 3/8	in
Recomp/Recav Date:		SITP/SICP:	94	psi
Commercial Status:	**Non Commercial** **Oct-02**			

COMMERCIAL

The Rosa Unit #212A Fruitland Coal Well (commercial) is located 1150 feet from the South Line and 1385 feet from the East Line, Section 14, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 12, 2004, and completed in the Fruitland Coal formation on October 16, 2004. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 2894' to 3070'. This well has a 2 7/8" tubing string. The well was initially shut in on a vacuum. The well first delivered gas on October 25, 2004. A sucker rod pump was installed in the well on January 4, 2007.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 100% and is therefore determined commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

4-14-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

117 CASE NONE
CASE NAME: COMM RU 212A FTC
120 01 2003 12 1 01 2004 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	1200.00	1.000	GAS	10/25/2004

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	0.	.000	.000
315	3.	2240.000	30075.470
316	3.	2960.000	33112.000
317	3.	3120.000	32458.000
318	3.	3040.000	32465.000
319	3.	2080.000	29168.000
320	3.	2770.000	34915.000
321	3.	3140.000	34717.000
322	3.	3205.000	34216.000
323	3.	3015.000	30821.000
324	3.	3035.000	44159.000
325	3.	2640.000	47530.000
326	3.	3360.000	65648.000
327	3.	3230.000	62606.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.937	568.658	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.937	568.658	488.524	8.066	YRS	D	1089.587	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	488.524	1.654	43.066	YRS	D	2183.044	MMCF
420	WATER	EXP		8.054	33.442	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	33.442	2.349	36.695	YRS	D	172.992	M-UNITS

600 SERIES LINES:

602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 ! CASE $ARR17_OP_POV_APR07
629 ! CASE $AREA17
630 ! EST. GATHERING PER WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 ! SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 ! SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 ! SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 ! SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 ! WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 ! MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 ! DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 ! EST. FLU PER WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 ! CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 ! SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 ! SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 ! SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 ! SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 ! WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 ! MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 ! MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 ! CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 ! ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 ! AFE=WT1148 AFE COST

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	54.703	234.693	.000		
803 ! AFE=WT1148 AFE COST									
803	COMP	-2.000	MOS	G	102.092	255.975	.000		

850 NOLOSS = ON

164.322
168.058

DATE: 04/08/08
TIME: 18:26:59
FILE:
PROP: 4920
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF JANUARY 1, 2004

-END- MO-YR	----GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	-----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	---PRICES--- OIL $/B	GAS $/M	NO. OF WELLS	---OPERATIONS, M$--- OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-04	.000	22.164	.000	18.751	.00	5.61	1.0	.000	105.255	.000	105.255
12-05	.000	127.442	.000	107.816	.00	7.85	1.0	.000	846.877	.000	846.877
12-06	.000	134.234	.000	113.562	.00	6.06	1.0	.000	688.154	.000	688.154
12-07	.000	211.582	.000	178.998	.00	6.68	1.0	.000	1195.185	.000	1195.185
12-08	.000	205.864	.000	174.161	.00	6.68	1.0	.000	1162.888	.000	1162.888
12-09	.000	193.043	.000	163.314	.00	6.68	1.0	.000	1090.462	.000	1090.462
12-10	.000	183.512	.000	155.251	.00	6.68	1.0	.000	1036.624	.000	1036.624
12-11	.000	166.301	.000	140.691	.00	6.68	1.0	.000	939.406	.000	939.406
12-12	.000	141.393	.000	119.618	.00	6.68	1.0	.000	798.700	.000	798.700
12-13	.000	120.183	.000	101.675	.00	6.68	1.0	.000	678.893	.000	678.893
12-14	.000	102.156	.000	86.424	.00	6.68	1.0	.000	577.061	.000	577.061
12-15	.000	86.833	.000	73.461	.00	6.68	1.0	.000	490.505	.000	490.505
12-16	.000	73.808	.000	62.442	.00	6.68	1.0	.000	416.931	.000	416.931
12-17	.000	62.737	.000	53.076	.00	6.68	1.0	.000	354.393	.000	354.393
12-18	.000	53.326	.000	45.114	.00	6.68	1.0	.000	301.230	.000	301.230
12-19	.000	45.327	.000	38.347	.00	6.68	1.0	.000	256.046	.000	256.046
12-20	.000	38.528	.000	32.595	.00	6.68	1.0	.000	217.640	.000	217.640
12-21	.000	32.749	.000	27.706	.00	6.68	1.0	.000	184.995	.000	184.995
12-22	.000	27.836	.000	23.549	.00	6.68	1.0	.000	157.239	.000	157.239
12-23	.000	23.662	.000	20.018	.00	6.68	1.0	.000	133.662	.000	133.662
12-24	.000	20.111	.000	17.014	.00	6.68	1.0	.000	113.604	.000	113.604
12-25	.000	17.096	.000	14.463	.00	6.68	1.0	.000	96.571	.000	96.571
12-26	.000	14.530	.000	12.292	.00	6.68	1.0	.000	82.075	.000	82.075
12-27	.000	12.352	.000	10.450	.00	6.68	1.0	.000	69.776	.000	69.776
12-28	.000	10.498	.000	8.881	.00	6.68	1.0	.000	59.299	.000	59.299
12-29	.000	8.924	.000	7.550	.00	6.68	1.0	.000	50.412	.000	50.412
12-30	.000	7.585	.000	6.417	.00	6.68	1.0	.000	42.847	.000	42.847
12-31	.000	6.448	.000	5.455	.00	6.68	1.0	.000	36.424	.000	36.424
12-32	.000	5.480	.000	4.636	.00	6.68	1.0	.000	30.955	.000	30.955
12-33	.000	4.658	.000	3.941	.00	6.68	1.0	.000	26.314	.000	26.314
12-34	.000	3.960	.000	3.350	.00	6.68	1.0	.000	22.368	.000	22.368
S TOT	.000	2164.322	.000	1831.018	.00	6.70	1.0	.000	12262.791	.000	12262.791
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	2164.322	.000	1831.018	.00	6.70	1.0	.000	12262.791	.000	12262.791

-END- MO-YR	---OPERATIONS, M$--- SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	---CAPITAL COSTS, M$--- TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-04	9.473	.958	6.615	88.209	156.795	490.668	.000	.000	-559.254	-533.658
12-05	76.219	7.707	41.381	721.570	.000	.000	.000	.000	721.570	109.241
12-06	61.934	6.262	42.922	577.036	.000	.000	.000	.000	577.036	585.281
12-07	107.567	10.876	43.699	1033.043	.000	.000	.000	.000	1033.043	1374.387
12-08	104.660	10.582	42.763	1004.883	.000	.000	.000	.000	1004.883	2085.123
12-09	98.142	9.923	40.378	942.019	.000	.000	.000	.000	942.019	2702.043
12-10	93.296	9.433	38.287	895.608	.000	.000	.000	.000	895.608	3245.123
12-11	84.547	8.549	36.362	809.948	.000	.000	.000	.000	809.948	3699.880
12-12	71.883	7.268	34.594	684.955	.000	.000	.000	.000	684.955	4055.970
12-13	61.100	6.178	32.969	578.646	.000	.000	.000	.000	578.646	4334.510
12-14	51.935	5.251	31.471	488.404	.000	.000	.000	.000	488.404	4552.196
12-15	44.145	4.464	30.098	411.798	.000	.000	.000	.000	411.798	4722.142
12-16	37.524	3.794	28.831	346.782	.000	.000	.000	.000	346.782	4854.655
12-17	31.895	3.225	27.672	291.601	.000	.000	.000	.000	291.601	4957.829
12-18	27.111	2.741	26.602	244.776	.000	.000	.000	.000	244.776	5038.020
12-19	23.044	2.330	25.618	205.054	.000	.000	.000	.000	205.054	5100.221
12-20	19.588	1.981	24.715	171.356	.000	.000	.000	.000	171.356	5148.350
12-21	16.650	1.683	23.885	142.777	.000	.000	.000	.000	142.777	5185.482
12-22	14.152	1.431	23.122	118.534	.000	.000	.000	.000	118.534	5214.025
12-23	12.030	1.216	22.418	97.998	.000	.000	.000	.000	97.998	5235.875
12-24	10.224	1.034	21.773	80.573	.000	.000	.000	.000	80.573	5252.509
12-25	8.691	.879	21.178	65.823	.000	.000	.000	.000	65.823	5265.091
12-26	7.387	.747	20.633	53.308	.000	.000	.000	.000	53.308	5274.526
12-27	6.280	.635	20.131	42.730	.000	.000	.000	.000	42.730	5281.529
12-28	5.337	.540	19.668	33.754	.000	.000	.000	.000	33.754	5286.651
12-29	4.537	.459	19.246	26.170	.000	.000	.000	.000	26.170	5290.328
12-30	3.856	.390	18.854	19.747	.000	.000	.000	.000	19.747	5292.897
12-31	3.278	.331	18.497	14.318	.000	.000	.000	.000	14.318	5294.622
12-32	2.786	.282	18.166	9.721	.000	.000	.000	.000	9.721	5295.706
12-33	2.368	.239	17.863	5.844	.000	.000	.000	.000	5.844	5296.310
12-34	2.013	.204	17.582	2.569	.000	.000	.000	.000	2.569	5296.556
S TOT	1103.652	111.592	837.993	10209.554	156.795	490.668	.000	.000	9562.091	5296.556
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	5296.556
TOTAL	1103.652	111.592	837.993	10209.554	156.795	490.668	.000	.000	9562.091	5296.556

DATE: 04/08/08
TIME: 18:26:59
FILE:
PROP: 4920
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF JANUARY 1, 2004

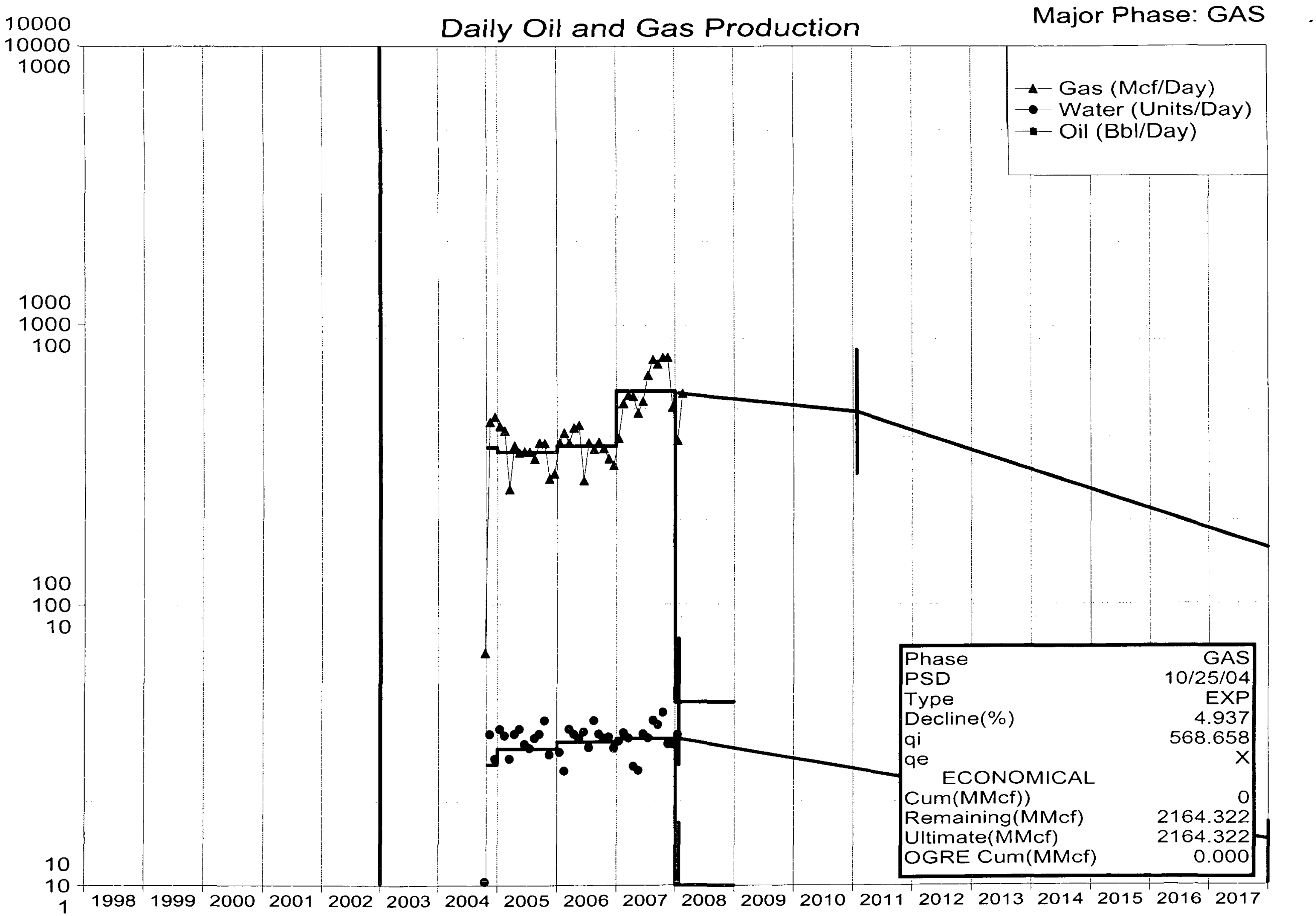
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-04	88.209	15.720	.000	490.668	.000	-418.179	.000	-163.090	-396.164	-381.574
12-05	721.570	40.307	.000	.000	.000	681.263	.000	265.693	455.877	24.600
12-06	577.036	28.791	.000	.000	.000	548.245	.000	213.816	363.220	324.247
12-07	1033.043	20.565	.000	.000	.000	1012.478	.000	394.866	638.177	811.728
12-08	1004.883	14.689	.000	.000	.000	990.194	.000	386.176	618.707	1249.329
12-09	942.019	13.863	.000	.000	.000	928.156	.000	361.981	580.038	1629.191
12-10	895.608	13.862	.000	.000	.000	881.746	.000	343.881	551.727	1963.748
12-11	809.948	8.998	.000	.000	.000	800.950	.000	312.371	497.577	2243.120
12-12	684.955	.000	.000	.000	.000	684.955	.000	267.132	417.823	2460.335
12-13	578.646	.000	.000	.000	.000	578.646	.000	225.672	352.974	2630.244
12-14	488.404	.000	.000	.000	.000	488.404	.000	190.478	297.926	2763.032
12-15	411.798	.000	.000	.000	.000	411.798	.000	160.601	251.197	2866.699
12-16	346.782	.000	.000	.000	.000	346.782	.000	135.245	211.537	2947.532
12-17	291.601	.000	.000	.000	.000	291.601	.000	113.724	177.877	3010.468
12-18	244.776	.000	.000	.000	.000	244.776	.000	95.463	149.313	3059.384
12-19	205.054	.000	.000	.000	.000	205.054	.000	79.971	125.083	3097.327
12-20	171.356	.000	.000	.000	.000	171.356	.000	66.829	104.527	3126.686
12-21	142.777	.000	.000	.000	.000	142.777	.000	55.683	87.094	3149.336
12-22	118.534	.000	.000	.000	.000	118.534	.000	46.228	72.306	3166.747
12-23	97.998	.000	.000	.000	.000	97.998	.000	38.219	59.779	3180.076
12-24	80.573	.000	.000	.000	.000	80.573	.000	31.423	49.150	3190.223
12-25	65.823	.000	.000	.000	.000	65.823	.000	25.671	40.152	3197.898
12-26	53.308	.000	.000	.000	.000	53.308	.000	20.790	32.518	3203.654
12-27	42.730	.000	.000	.000	.000	42.730	.000	16.665	26.065	3207.926
12-28	33.754	.000	.000	.000	.000	33.754	.000	13.164	20.590	3211.050
12-29	26.170	.000	.000	.000	.000	26.170	.000	10.206	15.964	3213.293
12-30	19.747	.000	.000	.000	.000	19.747	.000	7.701	12.046	3214.860
12-31	14.318	.000	.000	.000	.000	14.318	.000	5.584	8.734	3215.912
12-32	9.721	.000	.000	.000	.000	9.721	.000	3.791	5.930	3216.573
12-33	5.844	.000	.000	.000	.000	5.844	.000	2.279	3.565	3216.941
12-34	2.569	.000	.000	.000	.000	2.569	.000	1.002	1.567	3217.091
S TOT	10209.554	156.795	.000	490.668	.000	9562.091	.000	3729.215	5832.876	3217.091
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	3217.091
TOTAL	10209.554	156.795	.000	490.668	.000	9562.09'	.000	3729.215	5832.876	3217.091

BTAX RATE OF RETURN (PCT)	100.00	ATAX RATE OF RETURN (PCT)	100.00
BTAX PAYOUT	10/10/2005	ATAX PAYOUT	11/14/2005
BTAX PAYOUT (DISC)	10/30/2005	ATAX PAYOUT (DISC)	12/09/2005
BTAX NET INCOME/INVEST	15.77	ATAX NET INCOME/INVEST	10.01
BTAX NET INCOME/INVEST (DISC)	9.60	ATAX NET INCOME/INVEST (DISC)	6.22
PRODUCTION START DATE	10/25/04	PROJECT LIFE (YEARS)	31.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	2164.322
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	2164.322
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	9562.091	5832.876
2.0	8119.679	4948.987
5.0	6489.422	3949.258
8.0	5296.556	3217.091
10.0	4670.921	2832.794
12.0	4146.744	2510.634
15.0	3506.453	2116.831
18.0	2998.178	1803.970
20.0	2715.347	1629.759
25.0	2152.924	1283.056
30.0	1738.540	1027.315
35.0	1424.318	833.196
40.0	1180.362	682.359
45.0	987.177	562.822
50.0	831.618	466.512
60.0	599.437	322.672
70.0	437.335	222.207
80.0	319.918	149.451
90.0	232.334	95.222
100.0	165.434	53.852

Property 4920
COMM RU 212A FTC
31 N - 5 W SEC 12 SE



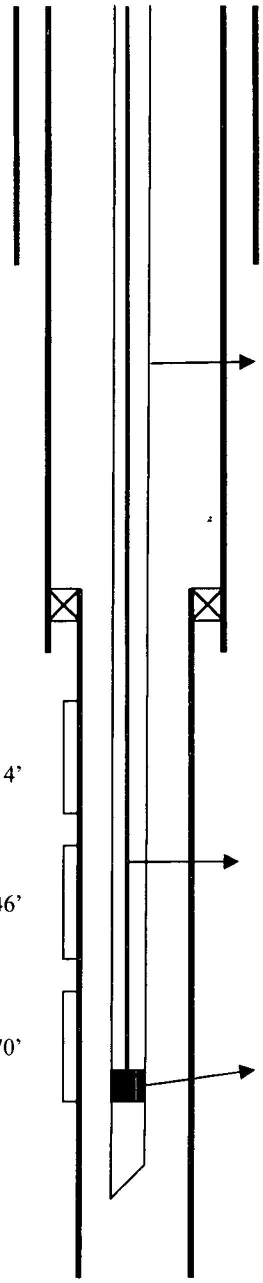
ROSA UNIT #212A
FRUITLAND COAL

Location:
1150' FSL and 1385' FEL
SW/4 SE/4 Sec 14(O), T31N, R6W
Rio Arriba, New Mexico

Elevation: 6210' GR
API # 30-039-27818

Pumping Unit
American 114D-133-54

Spud 08/12/04
Completed 10/16/04
1st Delivery 10/25/04
Pump Install 01/04/07



7 jts 9-5/8", 36#, K-55, ST&C @ 317'

Top	Depth
Ojo Alamo	2289'
Kirtland	2389'
Fruitland	2799'
Pictured Cliffs	3049'

99 jts 2-7/8", 6.5#, J-55, 8rd EUE, tbg, landed @ 3131' as follows: Mud anchor, 2.28" F-Nipple, 98 jts tbg., F nipple @ 3104' (strap ¼" stainless steel capillary coil to ouside of tbg)

74 jts 7", 23#, J-55, ST&C csg @ 2874'

TIW H Latch Hanger @ 2784'

0.50", 4 SPF,
320 holes total

2894' - 2914'
2936' - 2946'
3020' - 3070'

Rod String: 3 – 1 ¼" sinker bars, 120 – ¾" sucker rods, 4' x 4' x 8' x ¾" pony rods, 1 – ¼" polished rod w/1 ½" polished rod liner.

Insert Pump: 2 ½" x 7' x 7' x 11' RHACZ Pump (Energy Pump) w/ gas anchor.

Open hole from 6-1/4" to 9-1/2" from 2880' to 3071'

10 jts 5-1/2", 17#, N-80, LT&C @ 2784' - 3168'

TD @ 3168'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	200 sx	282 cu. ft.	Surface
8-3/4"	7", 23#	480 sx	964 cu. ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

RML 2/20/07

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-2 TULSA, OK 74101	120782
	[3] Reason for Filing Code/ Effective Date NW

[4] API Number	[5] Pool Name	[6] Pool Code
30 – 039-27818	BASIN FRUITLAND COAL	71629
[7] Property Code	[8] Property Name	[9] Well Number
17033	ROSA UNIT	212A

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
O	14	31N	6W		1150	SOUTH	1385	EAST	RIO ARRIBA

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES ATTN: VAN JOHNSON P O BOX 645 TULSA, OK 74102		G	

APR 2005
OIL CONS. DIV.
DIST. 3

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description

V. Well Completion Data

In Lieu of Form 3160-4 (July 1993)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO. SF-078771

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

7. UNIT AGREEMENT NAME

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF.RESVR. OTHER

2. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.: ROSA UNIT #212A

3. ADDRESS AND TELEPHONE NO.: P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.: 30-039-27818

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1150' FSL & 1385' FEL
At top production interval reported below :
At total depth:

10. FIELD AND POOL, OR WILDCAT: BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA: SW/4 SE/4 SEC 14-31N-6W

14. PERMIT NO. | DATE ISSUED

12. COUNTY OR: RIO ARRIBA | 13. STATE: NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
08/12/2004	08/25/2004	10/16/2004	6210' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3168' MD				X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 2894' – 3070'

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN: NONE (Mud)

27. WAS WELL CORED: NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8", K-55	36#	317'	12-1/4"	200 SX - SURFACE	
7", J-55	23#	2874'	8-3/4"	480 SX – SURFACE	

29. LINER RECORD / 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	2784'	3168'	0 SX		2-7/8", J-55, 6.5#	3107'	

31. PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal: 2894' to 2914', 2936' to 2946' & 3020' to 3070', total of 80' perforated, 0.50" holes, total of 320 holes.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
		SI, well on vacuum, no flow

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL.	GAS-OIL RATIO

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL – BBL.	GAS – MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)

ACCEPTED FOR RECORD
JUN 2 6 2005
FARMINGTON FIELD OFFICE
BY [illegible]

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY: CHIK CHARLEY

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE October 26, 2004

RECEIVED 070 FARMINGTON NM
2005 APR 21 PM 12 44

NMOCD

<u>The Rosa Unit #222A Fruitland Coal Well (commercial) is</u> located 1645 feet from the South Line and 2180 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 September 17, 2004, and completed in the Fruitland Coal formation on November 19, 2004. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 3030' to 3170'. This well has a 2 7/8" tubing string. The well was initially shut in on a vacuum. The well first delivered gas on November 24, 2004.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 100% and is therefore determined commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III 4-14-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

```
CASE NAME: COMM RU 222A FTC            -222A        -90TH-RLG-           -SJB
101 ROSA UNIT # 222A

                              ,BASIN FIELD, SAN JUAN BASIN
104

117 CASE NONE
120 01 2003 12 1 01 2004 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	1200.00	1.000	GAS	10/01/2004

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

	MAN	WATER	GAS
305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	0.	.000	.000
315	3.	880.000	66636.960
316	3.	1520.000	87059.000
317	3.	3200.000	81011.000
318	3.	3360.000	70487.000
319	3.	1840.000	69835.000
320	3.	2160.000	79936.000
321	3.	1470.000	102863.000
322	3.	2295.000	105523.000
323	3.	2720.000	85358.000
324	3.	3200.000	72372.000
325	3.	2880.000	68366.000
326	3.	3360.000	64999.000
327	3.	3120.000	54615.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.937	612.334	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.937	612.334	526.045	8.000	YRS	D	1631.126	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	526.045	1.781	43.000	YRS	D	2808.567	MMCF
420	WATER	EXP		8.054	33.442	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	33.442	2.349	36.629	YRS	D	167.162	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 : CASE $ARR17_OP_POV_APR07
629 : CASE $AREA17
630 : EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 : SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 : SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 : SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 : SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 : WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 : MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 : DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 : EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 : CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 : SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 : SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 : AFE=WT1149 AFE COST
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	55.568	234.693	.000		

803 : AFE=WT1149 AFE COST

ECONOMIC LIFE	(YRS):	32.000	G	102.269	255.975	.000
GROSS GAS	(MMCF):	2792.249				
GROSS WATER	(MU):	163.524				

ROSA UNIT # 222A
FTC T31N-R6W-SEC. 15
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/31/08
TIME: 13:29:13
FILE:
PROP: 4917
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

AS OF JANUARY 1, 2004

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			-----OPERATIONS, M$-----			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-04	.000	66.634	.000	56.372	.00	5.61	1.0	.000	316.434	.000	316.434
12-05	.000	308.393	.000	260.900	.00	7.85	1.0	.000	2049.327	.000	2049.327
12-06	.000	373.680	.000	316.133	.00	6.06	1.0	.000	1915.677	.000	1915.677
12-07	.000	260.352	.000	220.258	.00	6.68	1.0	.000	1470.682	.000	1470.682
12-08	.000	217.939	.000	184.376	.00	6.68	1.0	.000	1231.095	.000	1231.095
12-09	.000	207.178	.000	175.273	.00	6.68	1.0	.000	1170.313	.000	1170.313
12-10	.000	196.950	.000	166.620	.00	6.68	1.0	.000	1112.536	.000	1112.536
12-11	.000	177.217	.000	149.926	.00	6.68	1.0	.000	1001.069	.000	1001.069
12-12	.000	150.633	.000	127.436	.00	6.68	1.0	.000	850.901	.000	850.901
12-13	.000	128.039	.000	108.321	.00	6.68	1.0	.000	723.269	.000	723.269
12-14	.000	108.833	.000	92.073	.00	6.68	1.0	.000	614.779	.000	614.779
12-15	.000	92.508	.000	78.262	.00	6.68	1.0	.000	522.562	.000	522.562
12-16	.000	78.631	.000	66.522	.00	6.68	1.0	.000	444.173	.000	444.173
12-17	.000	66.837	.000	56.544	.00	6.68	1.0	.000	377.549	.000	377.549
12-18	.000	56.812	.000	48.063	.00	6.68	1.0	.000	320.921	.000	320.921
12-19	.000	48.289	.000	40.852	.00	6.68	1.0	.000	272.772	.000	272.772
12-20	.000	41.047	.000	34.726	.00	6.68	1.0	.000	231.869	.000	231.869
12-21	.000	34.889	.000	29.516	.00	6.68	1.0	.000	197.081	.000	197.081
12-22	.000	29.656	.000	25.089	.00	6.68	1.0	.000	167.521	.000	167.521
12-23	.000	25.207	.000	21.325	.00	6.68	1.0	.000	142.389	.000	142.389
12-24	.000	21.427	.000	18.127	.00	6.68	1.0	.000	121.036	.000	121.036
12-25	.000	18.212	.000	15.407	.00	6.68	1.0	.000	102.874	.000	102.874
12-26	.000	15.481	.000	13.097	.00	6.68	1.0	.000	87.450	.000	87.450
12-27	.000	13.158	.000	11.132	.00	6.68	1.0	.000	74.329	.000	74.329
12-28	.000	11.185	.000	9.463	.00	6.68	1.0	.000	63.185	.000	63.185
12-29	.000	9.507	.000	8.043	.00	6.68	1.0	.000	53.704	.000	53.704
12-30	.000	8.081	.000	6.837	.00	6.68	1.0	.000	45.651	.000	45.651
12-31	.000	6.869	.000	5.811	.00	6.68	1.0	.000	38.801	.000	38.801
12-32	.000	5.838	.000	4.939	.00	6.68	1.0	.000	32.978	.000	32.978
12-33	.000	4.963	.000	4.199	.00	6.68	1.0	.000	28.037	.000	28.037
12-34	.000	4.218	.000	3.568	.00	6.68	1.0	.000	23.824	.000	23.824
12-35	.000	3.586	.000	3.034	.00	6.68	1.0	.000	20.258	.000	20.258
S TOT	.000	2792.249	.000	2362.244	.00	6.70	1.0	.000	15825.046	.000	15825.046
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	2792.249	.000	2362.244	.00	6.70	1.0	.000	15825.046	.000	15825.046

-END-	-----OPERATIONS, M$-----				-----CAPITAL COSTS, M$-----					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-04	28.479	2.880	5.712	279.363	157.837	490.668	.000	.000	-369.142	-358.865
12-05	184.439	18.649	38.208	1808.031	.000	.000	.000	.000	1808.031	1252.041
12-06	172.411	17.433	35.148	1690.685	.000	.000	.000	.000	1690.685	2646.813
12-07	132.361	13.383	44.544	1280.394	.000	.000	.000	.000	1280.394	3624.862
12-08	110.799	11.203	42.499	1066.594	.000	.000	.000	.000	1066.594	4379.246
12-09	105.328	10.650	40.236	1014.099	.000	.000	.000	.000	1014.099	5043.371
12-10	100.128	10.124	38.155	964.129	.000	.000	.000	.000	964.129	5628.001
12-11	90.096	9.110	36.240	865.623	.000	.000	.000	.000	865.623	6114.017
12-12	76.581	7.743	34.483	732.094	.000	.000	.000	.000	732.094	6494.614
12-13	65.094	6.582	32.866	618.727	.000	.000	.000	.000	618.727	6792.447
12-14	55.330	5.594	31.378	522.477	.000	.000	.000	.000	522.477	7025.319
12-15	47.031	4.755	30.012	440.764	.000	.000	.000	.000	440.764	7207.219
12-16	39.976	4.042	28.752	371.403	.000	.000	.000	.000	371.403	7349.141
12-17	33.979	3.436	27.598	312.536	.000	.000	.000	.000	312.536	7459.722
12-18	28.883	2.920	26.534	262.584	.000	.000	.000	.000	262.584	7545.747
12-19	24.549	2.482	25.558	220.183	.000	.000	.000	.000	220.183	7612.538
12-20	20.868	2.110	24.658	184.233	.000	.000	.000	.000	184.233	7664.284
12-21	17.737	1.793	23.832	153.719	.000	.000	.000	.000	153.719	7704.261
12-22	15.077	1.524	23.074	127.846	.000	.000	.000	.000	127.846	7735.047
12-23	12.815	1.296	22.375	105.903	.000	.000	.000	.000	105.903	7758.660
12-24	10.893	1.101	21.732	87.310	.000	.000	.000	.000	87.310	7776.685
12-25	9.259	.936	21.139	71.540	.000	.000	.000	.000	71.540	7790.360
12-26	7.871	.796	20.599	58.184	.000	.000	.000	.000	58.184	7800.658
12-27	6.690	.676	20.100	46.863	.000	.000	.000	.000	46.863	7808.338
12-28	5.687	.575	19.639	37.284	.000	.000	.000	.000	37.284	7813.996
12-29	4.833	.489	19.219	29.163	.000	.000	.000	.000	29.163	7818.094
12-30	4.109	.415	18.830	22.297	.000	.000	.000	.000	22.297	7820.995
12-31	3.492	.353	18.473	16.483	.000	.000	.000	.000	16.483	7822.981
12-32	2.968	.300	18.144	11.566	.000	.000	.000	.000	11.566	7824.271
12-33	2.523	.255	17.844	7.415	.000	.000	.000	.000	7.415	7825.037
12-34	2.144	.217	17.566	3.897	.000	.000	.000	.000	3.897	7825.410
12-35	1.823	.184	17.311	.940	.000	.000	.000	.000	.940	7825.493
S TOT	1424.253	144.006	842.458	13414.329	157.837	490.668	.000	.000	12765.824	7825.493
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	7825.493
TOTAL	1424.253	144.006	842.458	13414.329	157.837	490.668	.000	.000	12765.824	7825.493

ROSA UNIT # 222A
FTC T31N-R6W-SEC. 15
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/31/08
TIME: 13:29:13
FILE:
PROP: 4917
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

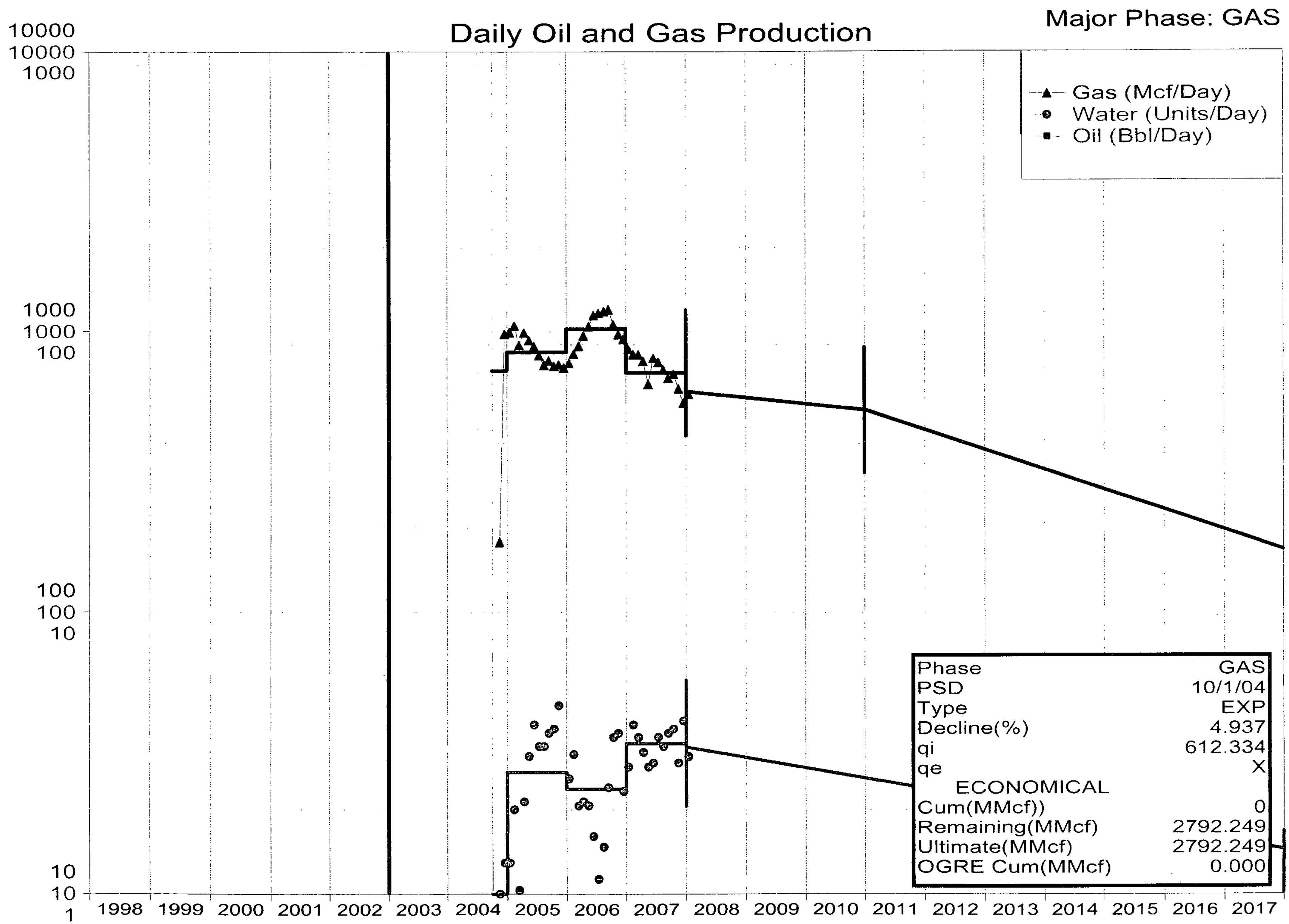
A F T E R T A X E C O N O M I C S

AS OF JANUARY 1, 2004

-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-04	279.363	18.790	.000	490.668	.000	-230.095	.000	-89.737	-279.405	-274.972
12-05	1808.031	39.728	.000	.000	.000	1768.303	.000	689.638	1118.393	721.486
12-06	1690.685	28.377	.000	.000	.000	1662.308	.000	648.300	1042.385	1581.427
12-07	1280.394	20.269	.000	.000	.000	1260.125	.000	491.449	788.945	2184.075
12-08	1066.594	14.478	.000	.000	.000	1052.116	.000	410.325	656.269	2648.243
12-09	1014.099	14.011	.000	.000	.000	1000.088	.000	390.034	624.065	3056.938
12-10	964.129	14.011	.000	.000	.000	950.118	.000	370.546	593.583	3416.875
12-11	865.623	8.173	.000	.000	.000	857.450	.000	334.406	531.217	3715.134
12-12	732.094	.000	.000	.000	.000	732.094	.000	285.517	446.577	3947.298
12-13	618.727	.000	.000	.000	.000	618.727	.000	241.304	377.423	4128.976
12-14	522.477	.000	.000	.000	.000	522.477	.000	203.766	318.711	4271.028
12-15	440.764	.000	.000	.000	.000	440.764	.000	171.898	268.866	4381.987
12-16	371.403	.000	.000	.000	.000	371.403	.000	144.847	226.556	4468.559
12-17	312.536	.000	.000	.000	.000	312.536	.000	121.889	190.647	4536.013
12-18	262.584	.000	.000	.000	.000	262.584	.000	102.408	160.176	4588.488
12-19	220.183	.000	.000	.000	.000	220.183	.000	85.871	134.312	4629.230
12-20	184.233	.000	.000	.000	.000	184.233	.000	71.851	112.382	4660.795
12-21	153.719	.000	.000	.000	.000	153.719	.000	59.950	93.769	4685.181
12-22	127.846	.000	.000	.000	.000	127.846	.000	49.860	77.986	4703.960
12-23	105.903	.000	.000	.000	.000	105.903	.000	41.302	64.601	4718.364
12-24	87.310	.000	.000	.000	.000	87.310	.000	34.051	53.259	4729.359
12-25	71.540	.000	.000	.000	.000	71.540	.000	27.901	43.639	4737.701
12-26	58.184	.000	.000	.000	.000	58.184	.000	22.692	35.492	4743.983
12-27	46.863	.000	.000	.000	.000	46.863	.000	18.277	28.586	4748.668
12-28	37.284	.000	.000	.000	.000	37.284	.000	14.541	22.743	4752.119
12-29	29.163	.000	.000	.000	.000	29.163	.000	11.374	17.789	4754.618
12-30	22.297	.000	.000	.000	.000	22.297	.000	8.696	13.601	4756.387
12-31	16.483	.000	.000	.000	.000	16.483	.000	6.428	10.055	4757.598
12-32	11.566	.000	.000	.000	.000	11.566	.000	4.511	7.055	4758.385
12-33	7.415	.000	.000	.000	.000	7.415	.000	2.892	4.523	4758.852
12-34	3.897	.000	.000	.000	.000	3.897	.000	1.520	2.377	4759.079
12-35	.940	.000	.000	.000	.000	.940	.000	.367	.573	4759.130
S TOT	13414.329	157.837	.000	490.668	.000	12765.824	.000	4978.674	7787.150	4759.130
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	4759.130
TOTAL	13414.329	157.837	.000	490.668	.000	12765.824	.000	4978.674	7787.150	4759.130

				----PRESENT WORTH PROFILE-----		
				DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
BTAX RATE OF RETURN (PCT)	100.00	ATAX RATE OF RETURN (PCT)	100.00			
BTAX PAYOUT	03/14/2005	ATAX PAYOUT	03/31/2005			
BTAX PAYOUT (DISC)	03/21/2005	ATAX PAYOUT (DISC)	04/10/2005			
BTAX NET INCOME/INVEST	20.69	ATAX NET INCOME/INVEST	13.01	.0	12765.824	7787.150
BTAX NET INCOME/INVEST (DISC)	13.62	ATAX NET INCOME/INVEST (DISC)	8.68	2.0	11116.601	6776.956
				5.0	9229.529	5620.338
PRODUCTION START DATE	10/01/04	PROJECT LIFE (YEARS)	32.00	8.0	7825.493	4759.130
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00	10.0	7077.793	4300.228
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000	12.0	6443.420	3910.706
		PRIOR DEPR. BASIS (M$)	.000	15.0	5655.969	3426.920
				18.0	5018.184	3034.852
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85	20.0	4657.113	2812.779
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00	25.0	3922.035	2360.433
				30.0	3361.226	2015.072
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000	35.0	2920.949	1743.776
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	2792.249	40.0	2567.187	1525.687
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	2792.249	45.0	2277.456	1347.007
				50.0	2036.334	1198.271
				60.0	1659.343	965.669
				70.0	1379.532	793.027
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000	80.0	1164.760	660.548
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000	90.0	995.506	556.201
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000	100.0	859.260	472.264

Property 4917
COMM RU 222A FTC
31 N - 6 W SEC 14 SWSE



ROSA UNIT #222A
FRUITLAND COAL

Spud 09/17/04

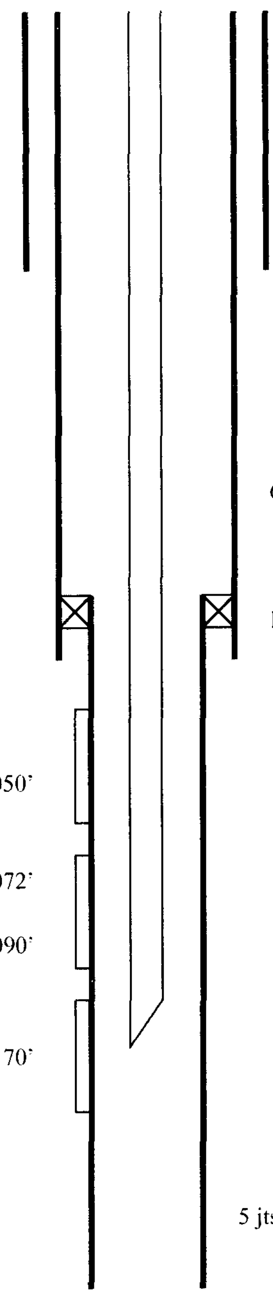
Completed 11/19/04

1st Delivery 11/24/04

Location:
1645' FSL and 2180' FEL
NW/4 SE/4 Sec 15(J), T31N, R6W
Rio Arriba, New Mexico

Elevation: 6321' GR
API # 30-039-27825

Top	Depth
Ojo Alamo	2365'
Kirtland	2480'
Fruitland	2885'
Top of Coal	3030'
Pictured Cliffs	3155'



8 jts 9-5/8", 36#, K-55, ST&C @ 360'

65 jts 7", 20#, J-55, LT&C csg @ 3013'

Liner top @ 2981'

101 jts 2-7/8", 6.5#, J-55 tbg @ 3160' as follows: orange peeled mud anchor on bottom, 2.25" "F" nipple @ 3131', 101 jts 2-7/8" tbg.

0.50", 4 SPF,
280 holes total

3030' - 3050'

3062' - 3072'

3080' - 3090'

3140' - 3170'

Open hole from 6-1/4" to 9-1/2"
from 3020' to 3175'

5 jts 5-1/2", 17#, N-80, LT&C @ 2981' - 3175'

TD @ 3175'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	193 sx	272 cu. ft.	Surface
8-3/4"	7", 20#	604 sx	1222 cu. ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

TR 11-26-04

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised June 10, 2003

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-2 TULSA, OK 74101		2 OGRID Number 120782 3 Reason for Filing Code/ Effective Date NW
4 API Number 30 – 039-27825	5 Pool Name BASIN FRUITLAND COAL	6 Pool Code 71629
7 Property Code 17033	8 Property Name ROSA UNIT	9 Well Number 222A

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	15	31N	6W		1645	SOUTH	2180	EAST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267			
025244	WILLIAMS FIELD SERVICES ATTN: VAN JOHNSON P O BOX 645 TULSA, OK 74102			

DEC 2004

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

V. Well Completion Data

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

2004 DEC 2 AM 10 40
RECEIVED
070 FARMINGTON NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND LEASE NO.: SF-078765

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME

1a. TYPE OF WELL: OIL WELL | X GAS WELL | DRY | OTHER

b. TYPE OF COMPLETION: X NEW WELL | WORKOVER | DEEPEN | PLUG BACK | DIFF.RESVR. | OTHER

2. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.: ROSA UNIT #222A

3. ADDRESS AND TELEPHONE NO.: P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.: 30-039-27825

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At Surface: 1645' FSL & 2180' FEL
At top production interval reported below :
At total depth:

10. FIELD AND POOL, OR WILDCAT: BASIN FRUITLAND COAL

DEC 2004
RECEIVED
OIL CONS. DIV.
DIST. 3

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA: SW/4 SE/4 SEC 15-31N-6W

14. PERMIT NO. | DATE ISSUED

12. COUNTY OR: RIO ARRIBA | 13. STATE: NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
09/17/2004	09/26/2004	11/19/2004	6321' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG. BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3175' MD				x	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 3030' - 3170'

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN: NONE

27. WAS WELL CORED: NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8", K-55	36#	~~360'~~ 359	12-1/4"	193 SX - SURFACE	
7", J-55	20#	3013'	8-3/4"	604 SX – SURFACE	

29. LINER RECORD / 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5 ½", 17#, N-80	2981'	3175'	0 SX		2-7/8", J-55, 6.5#	3160'	

31. PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal: 3030'-50' (80 holes), 3062'-72' (40 hoels), 3080'-90' (40 holes) & 3140'-70' (120 holes). Total of 280, 0.50" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
		SI, well on vacuum, no flow

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL.	GAS-OIL RATIO

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS – MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.):

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE November 26, 2004

ACCEPTED FOR RECORD
DEC 0 6 2004
FARMINGTON FIELD OFFICE
BY

NMOCD

<u>The Rosa Unit #226A Fruitland Coal Well (commercial) is</u> located 1380 feet from the North Line and 890 feet from the West Line, Section 12, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 26, 2004, and completed in the Fruitland Coal formation on October 6, 2004. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 3026' to 3197'. This well has a 2 7/8" tubing string. The well was initially shut in on a vacuum. The well first delivered gas on October 21, 2004. A sucker rod pump was installed in the well on December 1, 2007.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 66% and is therefore determined commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III 4-14-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

```
OGRE(R) V2.2  BATAX                                              D A T A   R E P O R T                          DATE: 04/08/08
FILE NAME:          ( 4916)                                      - - - -   - - - - - -                          TIME: 17:37:18
CASE NAME: COMM RU 226A FTC                   -226A        -90TH-RLG-          -SJB
101 ROSA UNIT # 226A
102 FTC T31N-R6W-SEC. 12
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE NONE
120 01 2003 12 1 01 2004 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 2

        W.I.        OP. COST    OP. COST    ADV. TAX    MAJOR      PROD  DATE
        FRACTION    ($/W/MO)    ($/MO.)     (PCT)       PH. NAME   (MO/DY/YR)
        --------    --------    --------    --------    --------   ----------
210   1.00000000         .00     1200.00       1.000    GAS        10/01/2004

        PHASE       CUM PROD    REV. INT    PRICE       SEV. TAX    NO. OF      RATIO TO
        NAME        (MUNITS)    FRACTION    ($/UNIT)    (PCT)       WELLS       MAJOR PH
        --------    --------    --------    --------    --------    --------    --------
222     GAS             .000   .84600000       5.470       9.000         1.0
224     WATER           .000   .84600000        .000        .000          .0

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

305          MAN        WATER         GAS
310          FACT         1.000       1.000
314            0.          .000        .000
315            3.     1040.000     9922.400
316            3.      960.000    12657.000
317            3.     1440.000    17136.000
318            3.     1280.000    23919.000
319            3.      880.000    30320.000
320            3.     1440.000    35714.000
321            3.     1600.000    34337.000
322            3.     1515.000    28897.000
323            3.     1920.000    28152.000
324            3.     1310.000    10469.000
325            3.     1200.000    10382.000
326            3.     1280.000    14301.000
327            3.     1360.000     8585.000

        PH. NAME    CURVE TP    DECLINE%    QI  RATE    QT  RATE          CUM. LIMIT          (M OR Y)          CALC VALUE
        --------    --------    --------    --------    --------    --------------------      --------      --------------------
410     GAS         EXP            4.937     129.229           X        3.000   IYRS             D
CALC    GAS         EXP     END=   4.937     129.229     111.018        8.000   YRS              D           396.074    MMCF
411     GAS         EXP           15.000    LAST               X       35.000   IYRS             D
CALC    GAS         EXP     END=  15.000     111.018        .376       43.000   YRS              D           644.565    MMCF
420     WATER       EXP            8.054      18.209           X       34.879   YRS              D
CALC    WATER       EXP     END=   8.054      18.209       1.279       36.629   YRS              D            90.817    M-UNITS

600 SERIES LINES:
-----------------
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 ! CASE $ARR17_OP_POV_APR07
629 ! CASE $AREA17
630 ! EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 ! SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 ! SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 ! SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 ! SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 ! WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 ! MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 ! DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 ! EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 ! CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 ! SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 ! SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 ! SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 ! SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 ! WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 ! MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 ! MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 ! CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 ! ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 ! AFE=WT1150 AFE COST

       INV NAME        INV. POINT          (G OR N)      TANG-M$    INTANG-M$    LSEHLD-M$    RISK FRAC    OVHD FLAG
       --------    --------------------    --------      -------    ---------    ---------    ---------    ---------
802    DRLG            -2.000    MOS          G           56.433      234.693         .000
803 ! AFE=WT1150 AFE COST
```

803	COMP	-2.000	MOS	G	102.446	255.975	.000

850 NOLOSS = ON

ECONOMIC LIFE	(YRS):	22.000
GROSS GAS	(MMCF):	623.628
GROSS WATER	(MU):	78.917

ROSA UNIT # 226A
FTC T31N-R6W-SEC. 12
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 04/08/08
TIME: 17:37:18
FILE:
PROP: 4916
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

AS OF JANUARY 1, 2004

-END-	GROSS PRODUCTION		NET PRODUCTION		PRICES		NO. OF	OPERATIONS, M$			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-04	.000	9.922	.000	8.394	.00	5.61	1.0	.000	47.118	.000	47.118
12-05	.000	84.031	.000	71.090	.00	7.85	1.0	.000	558.400	.000	558.400
12-06	.000	127.101	.000	107.527	.00	6.06	1.0	.000	651.583	.000	651.583
12-07	.000	43.737	.000	37.002	.00	6.68	1.0	.000	247.066	.000	247.066
12-08	.000	45.994	.000	38.911	.00	6.68	1.0	.000	259.812	.000	259.812
12-09	.000	43.724	.000	36.991	.00	6.68	1.0	.000	246.992	.000	246.992
12-10	.000	41.565	.000	35.164	.00	6.68	1.0	.000	234.793	.000	234.793
12-11	.000	37.400	.000	31.640	.00	6.68	1.0	.000	211.263	.000	211.263
12-12	.000	31.790	.000	26.894	.00	6.68	1.0	.000	179.574	.000	179.574
12-13	.000	27.022	.000	22.861	.00	6.68	1.0	.000	152.645	.000	152.645
12-14	.000	22.968	.000	19.431	.00	6.68	1.0	.000	129.742	.000	129.742
12-15	.000	19.524	.000	16.517	.00	6.68	1.0	.000	110.285	.000	110.285
12-16	.000	16.594	.000	14.039	.00	6.68	1.0	.000	93.740	.000	93.740
12-17	.000	14.106	.000	11.934	.00	6.68	1.0	.000	79.684	.000	79.684
12-18	.000	11.989	.000	10.143	.00	6.68	1.0	.000	67.726	.000	67.726
12-19	.000	10.192	.000	8.622	.00	6.68	1.0	.000	57.570	.000	57.570
12-20	.000	8.662	.000	7.328	.00	6.68	1.0	.000	48.930	.000	48.930
12-21	.000	7.363	.000	6.229	.00	6.68	1.0	.000	41.592	.000	41.592
12-22	.000	6.259	.000	5.295	.00	6.68	1.0	.000	35.355	.000	35.355
12-23	.000	5.320	.000	4.501	.00	6.68	1.0	.000	30.054	.000	30.054
12-24	.000	4.522	.000	3.826	.00	6.68	1.0	.000	25.547	.000	25.547
12-25	.000	3.843	.000	3.251	.00	6.68	1.0	.000	21.707	.000	21.707
S TOT	.000	623.628	.000	527.590	.00	6.69	1.0	.000	3531.178	.000	3531.178
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	623.628	.000	527.590	.00	6.69	1.0	.000	3531.178	.000	3531.178

-END-	OPERATIONS, M$				CAPITAL COSTS, M$					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-04	4.241	.429	6.096	36.352	158.879	490.668	.000	.000	-613.195	-587.046
12-05	50.256	5.081	25.344	477.719	.000	.000	.000	.000	477.719	-161.411
12-06	58.642	5.929	29.940	557.072	.000	.000	.000	.000	557.072	298.159
12-07	22.236	2.248	26.760	195.822	.000	.000	.000	.000	195.822	447.741
12-08	23.383	2.364	29.700	204.365	.000	.000	.000	.000	204.365	592.285
12-09	22.229	2.248	28.466	194.049	.000	.000	.000	.000	194.049	719.366
12-10	21.131	2.137	27.336	184.189	.000	.000	.000	.000	184.189	831.055
12-11	19.014	1.922	26.292	164.035	.000	.000	.000	.000	164.035	923.155
12-12	16.162	1.634	25.334	136.444	.000	.000	.000	.000	136.444	994.089
12-13	13.738	1.389	24.454	113.064	.000	.000	.000	.000	113.064	1048.514
12-14	11.677	1.181	23.645	93.239	.000	.000	.000	.000	93.239	1090.071
12-15	9.926	1.004	22.901	76.454	.000	.000	.000	.000	76.454	1121.623
12-16	8.437	.853	22.214	62.236	.000	.000	.000	.000	62.236	1145.405
12-17	7.172	.725	21.586	50.201	.000	.000	.000	.000	50.201	1163.167
12-18	6.095	.616	21.007	40.008	.000	.000	.000	.000	40.008	1176.274
12-19	5.181	.524	20.477	31.388	.000	.000	.000	.000	31.388	1185.795
12-20	4.404	.445	19.985	24.096	.000	.000	.000	.000	24.096	1192.563
12-21	3.743	.378	19.536	17.935	.000	.000	.000	.000	17.935	1197.227
12-22	3.182	.322	19.123	12.728	.000	.000	.000	.000	12.728	1200.292
12-23	2.705	.273	18.742	8.334	.000	.000	.000	.000	8.334	1202.150
12-24	2.299	.232	18.391	4.625	.000	.000	.000	.000	4.625	1203.105
12-25	1.954	.198	18.072	1.483	.000	.000	.000	.000	1.483	1203.388
S TOT	317.807	32.132	495.401	2685.838	158.879	490.668	.000	.000	2036.291	1203.388
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	1203.388
TOTAL	317.807	32.132	495.401	2685.838	158.879	490.668	.000	.000	2036.291	1203.388

ROSA UNIT # 226A
FTC T31N-R6W-SEC. 12
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 04/08/08
TIME: 17:37:18
FILE:
PROP: 4916
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF JANUARY 1, 2004

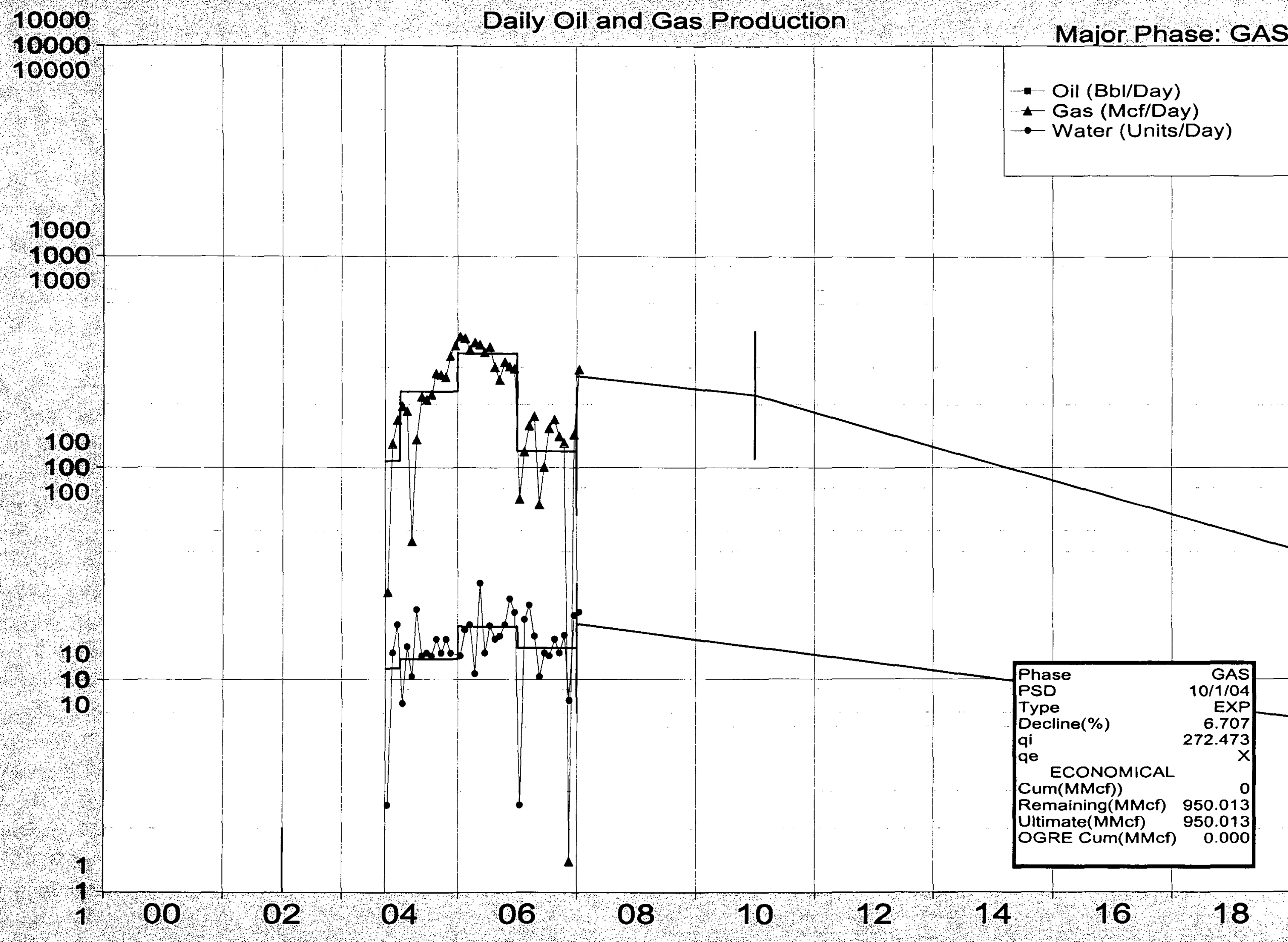
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-04	36.352	18.914	.000	490.668	.000	-473.230	.000	-184.560	-428.635	-414.506
12-05	477.719	39.990	.000	.000	.000	437.729	.000	170.714	307.005	-140.973
12-06	557.072	28.564	.000	.000	.000	528.508	.000	206.118	350.954	148.555
12-07	195.822	20.403	.000	.000	.000	175.419	.000	68.413	127.409	245.878
12-08	204.365	14.574	.000	.000	.000	189.791	.000	74.018	130.347	338.070
12-09	194.049	14.103	.000	.000	.000	179.946	.000	70.179	123.870	419.191
12-10	184.189	14.104	.000	.000	.000	170.085	.000	66.333	117.856	490.657
12-11	164.035	8.227	.000	.000	.000	155.808	.000	60.765	103.270	548.639
12-12	136.444	.000	.000	.000	.000	136.444	.000	53.213	83.231	591.909
12-13	113.064	.000	.000	.000	.000	113.064	.000	44.095	68.969	625.108
12-14	93.239	.000	.000	.000	.000	93.239	.000	36.363	56.876	650.458
12-15	76.454	.000	.000	.000	.000	76.454	.000	29.817	46.637	669.705
12-16	62.236	.000	.000	.000	.000	62.236	.000	24.272	37.964	684.212
12-17	50.201	.000	.000	.000	.000	50.201	.000	19.578	30.623	695.047
12-18	40.008	.000	.000	.000	.000	40.008	.000	15.603	24.405	703.042
12-19	31.388	.000	.000	.000	.000	31.388	.000	12.241	19.147	708.850
12-20	24.096	.000	.000	.000	.000	24.096	.000	9.397	14.699	712.979
12-21	17.935	.000	.000	.000	.000	17.935	.000	6.995	10.940	715.824
12-22	12.728	.000	.000	.000	.000	12.728	.000	4.964	7.764	717.694
12-23	8.334	.000	.000	.000	.000	8.334	.000	3.250	5.084	718.828
12-24	4.625	.000	.000	.000	.000	4.625	.000	1.804	2.821	719.410
12-25	1.483	.000	.000	.000	.000	1.483	.000	.578	.905	719.583
S TOT	2685.838	158.879	.000	490.668	.000	2036.291	.000	794.150	1242.141	719.583
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	719.583
TOTAL	2685.838	158.879	.000	490.668	.000	2036.291	.000	794.150	1242.141	719.583

BTAX RATE OF RETURN (PCT)	66.45	ATAX RATE OF RETURN (PCT)	54.49
BTAX PAYOUT	03/29/2006	ATAX PAYOUT	05/05/2006
BTAX PAYOUT (DISC)	05/07/2006	ATAX PAYOUT (DISC)	06/26/2006
BTAX NET INCOME/INVEST	4.13	ATAX NET INCOME/INVEST	2.91
BTAX NET INCOME/INVEST (DISC)	2.94	ATAX NET INCOME/INVEST (DISC)	2.16
PRODUCTION START DATE	10/01/04	PROJECT LIFE (YEARS)	22.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	623.628
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	623.628
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	2036.291	1242.141
2.0	1768.886	1074.830
5.0	1450.060	874.816
8.0	1203.388	719.583
10.0	1068.631	634.567
12.0	952.446	561.119
15.0	805.895	468.270
18.0	685.374	391.719
20.0	616.461	347.858
25.0	474.798	257.478
30.0	365.687	187.639
35.0	279.613	132.401
40.0	210.368	87.858
45.0	153.748	51.372
50.0	106.816	21.083
60.0	34.147	-25.885
70.0	-18.767	-60.126
80.0	-58.369	-85.750
90.0	-88.624	-105.310
100.0	-112.114	-120.463

Property 4916
ROSA UNIT # 226A



ROSA UNIT #226A
FRUITLAND COAL

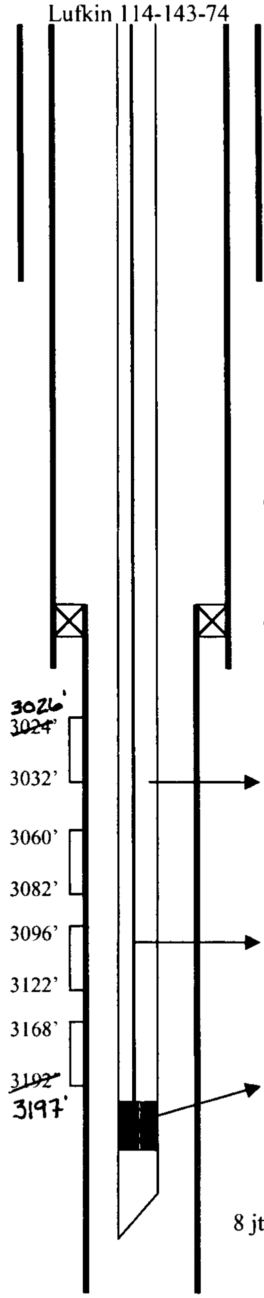
Location:
1380' FNL and 890' FWL
SW/4 NW/4 Sec 12(E), T31N, R6W
Rio Arriba, New Mexico

Elevation: 6340' GR
API # 30-039-27817

Top	Depth
Ojo Alamo	2408'
Kirtland	2534'
Fruitland	2938'
Pictured Cliffs	3191'

Spud	08/26/04
Completed	10/06/04
1st Delivery	10/21/04
Pump Install	12/01/07

Pumping Unit
Lufkin 114-143-74



7 jts 9-5/8", 36#, J-55, ST&C @ 317'

64 jts 7", 23#, n-80, ST&C csg @ 3014'

TIW H Latch Lnr Hgr @ 2920'

0.50", 4 SPF,
320 holes total

103 jts 2-7/8", 6.5#, J-55 tbg @ 3257' as follows: 26.40 mud anchor, 2.28" F-Nipple @ 3231', 103 jts tbg, (220' ¼" chem. cap string strapped to outside of tbg.).

Rod String: 3 ¾" x 1 ¼" sinker rods, 125 ¾" sucker rods, 8', 6', 4', & 2' pony rods, 1 ¼" x 22' polished rod w/ 10' x 1 ½" liner.

Insert Pump: 2 ½" x 1 ¼" x 8' x 12' RHAC pump (Energy Pump) w/ 1" x 6' gas anchor.

Underream 6-1/4" to 9-1/2" from 3020' to 3190'

8 jts 5-1/2", 17#, N-80, LT&C @ 2920' - 3288'

PBTD @ 3287'
TD @ 3288'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	416 sx	587 cu. ft.	Surface
8-3/4"	7", 20#	500 sx	1006 cu. ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

RML 12/13/07

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised June 10, 2003

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address	2 OGRID Number
WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-2 TULSA, OK 74101	120782 3 Reason for Filing Code/ Effective Date NW

4 API Number	5 Pool Name	6 Pool Code
30 – 039-27817	BASIN FRUITLAND COAL	71629
7 Property Code	8 Property Name	9 Well Number
17033	ROSA UNIT	226A

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	12	31N	6W		1380	NORTH	890	WEST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267			
025244	WILLIAMS FIELD SERVICES ATTN: VAN JOHNSON P O BOX 645 TULSA, OK 74102			DEC 2004

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO. SF-078767

6. IF INDIAN,ALLOTTEE OR

7. UNIT AGREEMENT NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

DEC 2004

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF.RESVR. OTHER

2. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.: ROSA UNIT #226A

3. ADDRESS AND TELEPHONE NO.: P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.: 30-039-27817

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1380' FNL & 890' FWL
At top production interval reported below :
At total depth:

10. FIELD AND POOL, OR WILDCAT: BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA: SW/4 NW/4 SEC 12-31N-6W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	13. STATE
		RIO ARRIBA	NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
08/26/2004	09/05/2004	10/06/2004	6340' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3288' MD				x	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*: BASIN FRUITLAND COAL 3026' – 3197'

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN: NONE

27. WAS WELL CORED: NO

28.CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE.	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8", J-55	36#	317'	12-1/4"	416 SX - SURFACE	
7", N-80	23#	3014'	8-3/4"	500 SX – SURFACE	

29.LINER RECORD / 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5 ½", 17#,N-80	2975'	3284'	0 SX		2-7/8", J-55, 6.5#	3228'	

31. PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal: 3026'-34' (32 holes), 3098'-3116' (72 holes) & 3167'-97' (120 holes). Total of 224, 0.49" holes

32.ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33.PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
		SI, well on vacuum, no flow

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL – BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.):

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE November 26, 2004

Note: Never got BLM Approved Copy.

The Rosa Unit #235A Fruitland Coal Well (commercial) is located 2314 feet from the South Line and 1652 feet from the East Line, Section 9, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on November 11, 2006, and completed in the Fruitland Coal formation on February 9, 2007. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 3400' to 3518'. This well has a 2 7/8" tubing string. The well was shut in with a SICP of 765 psig. On February 9, 2007 the well was tested and after flowing for three hours through a 2" choke on the 2 7/8" tubing, the well gauged 250 MCFD. A sucker rod pump was installed in the well on February 8, 2007.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 48% and is therefore determined commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III 4-15-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

```
OGRE(E) V2.2  BATAX                                      D A T A   R E P O R T                                DATE: 04 03/06
FILE NAME:           ( 4971)                                                                                  TIME: 12:18:37

117 CASE NONE
CASE NAME: COMM RU 235A FTC
120 01 2006 12 11 30 2006 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 2

        W.I.          OP. COST     OP. COST     ADV. TAX     MAJOR      PROD  DATE
        FRACTION      ($/W/MO)     ($/MO.)      (PCT)        PH. NAME   (MO/DY/YR)
        --------      --------     --------     --------     --------   ----------
210   1.00000000          .00      4200.00        1.000      GAS          3/05/2007

        PHASE         CUM PROD     REV. INT     PRICE        SEV. TAX     NO. OF       RATIO TO
        NAME          (MUNITS)     FRACTION     ($/UNIT)     (PCT)        WELLS        MAJOR PH
        --------      --------     --------     --------     --------     --------     --------
222     GAS               .000     .84600000       5.470        9.000         1.0
224     WATER             .000     .84600000        .000         .000          .0

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

305         MAN        WATER         GAS
310         FACT        1.000        1.000
314           0.         .000         .000
315           3.      800.000    23500.000
316           3.      640.000    34384.000
317           3.      560.000    42598.000
318           2.      320.000    33037.000

        PH. NAME      CURVE TP     DECLINE%     QI  RATE     QT  RATE         CUM. LIMIT              (M OR Y)          CALC VALUE
        --------      --------     --------     --------     --------     --------------------     --------     --------------------
410     GAS           EXP             4.937     371.580             X        3.000    IYRS           D
CALC    GAS           EXP     END=    4.937     371.580       319.218        5.094    YRS            D             511.005    MMCF
411     GAS           EXP            15.000     LAST                X       35.000    IYRS           D
CALC    GAS           EXP     END=   15.000     319.218         1.081       40.094    YRS            D            1225.506    MMCF
420     WATER         EXP             8.054      16.735             X       34.879    YRS            D
CALC    WATER         EXP     END=    8.054      16.735          .966       36.057    YRS            D              70.864    M-UNITS

600 SERIES LINES:
-----------------
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 : CASE $ARR17_OP_POV_APR07
629 : CASE $AREA17
630 : EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 : SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 : SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 : SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 : SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 : WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 : MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 : DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 : EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 : CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 : SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 : SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 : AFE=WT5807 ACTUAL COST

        INV NAME         INV. POINT           (G OR N)     TANG-M$    INTANG-M$    LSEHLD-M$    RISK FRAC    OVHD FLAG
        --------     --------------------     --------     -------    ---------    ---------    ---------    ---------
802     DRLG            -2.000    MOS             G          98.803      559.884         .000
803 : AFE=WT5807 ACTUAL COST
803     COMP            -2.000    MOS             G         236.634      439.462         .000

850 NOLOSS = ON

ECONOMIC LIFE  (YRS):          19.000
GROSS GAS      (MMCF):       1164.340
GROSS WATER     (MU):          58.890
```

DATE: 04/03/08
TIME: 12:18:37
FILE:
PROP: 4971
STID: COMMSGB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF NOVEMBER 30, 2006

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---		NO. OF	---------------OPERATIONS, M$---------------			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-07	.000	114.826	.000	97.143	.00	6.68	1.0	.000	648.632	.000	648.632
12-08	.000	138.756	.000	117.388	.00	6.68	1.0	.000	783.810	.000	783.810
12-09	.000	126.323	.000	106.869	.00	6.68	1.0	.000	713.574	.000	713.574
12-10	.000	120.086	.000	101.593	.00	6.68	1.0	.000	678.345	.000	678.345
12-11	.000	109.142	.000	92.334	.00	6.68	1.0	.000	616.522	.000	616.522
12-12	.000	92.820	.000	78.526	.00	6.68	1.0	.000	524.325	.000	524.325
12-13	.000	78.897	.000	66.747	.00	6.68	1.0	.000	445.676	.000	445.676
12-14	.000	67.063	.000	56.735	.00	6.68	1.0	.000	378.825	.000	378.825
12-15	.000	57.003	.000	48.225	.00	6.68	1.0	.000	322.003	.000	322.003
12-16	.000	48.453	.000	40.991	.00	6.68	1.0	.000	273.700	.000	273.700
12-17	.000	41.184	.000	34.842	.00	6.68	1.0	.000	232.643	.000	232.643
12-18	.000	35.007	.000	29.616	.00	6.68	1.0	.000	197.749	.000	197.749
12-19	.000	29.756	.000	25.174	.00	6.68	1.0	.000	168.089	.000	168.089
12-20	.000	25.293	.000	21.398	.00	6.68	1.0	.000	142.876	.000	142.876
12-21	.000	21.499	.000	18.188	.00	6.68	1.0	.000	121.443	.000	121.443
12-22	.000	18.274	.000	15.460	.00	6.68	1.0	.000	103.228	.000	103.228
12-23	.000	15.532	.000	13.140	.00	6.68	1.0	.000	87.737	.000	87.737
12-24	.000	13.203	.000	11.170	.00	6.68	1.0	.000	74.583	.000	74.583
12-25	.000	11.223	.000	9.495	.00	6.68	1.0	.000	63.399	.000	63.399
S TOT	.000	1164.340	.000	985.034	.00	6.68	1.0	.000	6577.159	.000	6577.159
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	1164.340	.000	985.034	.00	6.68	1.0	.000	6577.159	.000	6577.159

-END-	----------------OPERATIONS, M$----------------				------------CAPITAL COSTS, M$------------					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-07	58.377	5.903	46.582	537.770	335.437	999.346	.000	.000	-797.013	-814.230
12-08	70.543	7.133	63.619	642.515	.000	.000	.000	.000	642.515	-245.596
12-09	64.222	6.494	63.432	579.426	.000	.000	.000	.000	579.426	229.218
12-10	61.051	6.173	62.381	548.740	.000	.000	.000	.000	548.740	645.577
12-11	55.487	5.610	61.418	494.007	.000	.000	.000	.000	494.007	992.642
12-12	47.189	4.771	60.528	411.837	.000	.000	.000	.000	411.837	1260.546
12-13	40.111	4.056	59.714	341.795	.000	.000	.000	.000	341.795	1466.418
12-14	34.094	3.447	58.963	282.321	.000	.000	.000	.000	282.321	1623.871
12-15	28.980	2.930	58.274	231.819	.000	.000	.000	.000	231.819	1743.581
12-16	24.633	2.491	57.641	188.935	.000	.000	.000	.000	188.935	1833.919
12-17	20.938	2.117	57.055	152.533	.000	.000	.000	.000	152.533	1901.449
12-18	17.797	1.800	56.522	121.630	.000	.000	.000	.000	121.630	1951.309
12-19	15.128	1.530	56.028	95.403	.000	.000	.000	.000	95.403	1987.521
12-20	12.859	1.300	55.574	73.143	.000	.000	.000	.000	73.143	2013.227
12-21	10.930	1.105	55.157	54.251	.000	.000	.000	.000	54.251	2030.881
12-22	9.291	.939	54.775	38.223	.000	.000	.000	.000	38.223	2042.398
12-23	7.896	.798	54.420	24.623	.000	.000	.000	.000	24.623	2049.268
12-24	6.712	.679	54.098	13.094	.000	.000	.000	.000	13.094	2052.651
12-25	5.706	.577	53.801	3.315	.000	.000	.000	.000	3.315	2053.444
S TOT	591.944	59.853	1089.982	4835.380	335.437	999.346	.000	.000	3500.597	2053.444
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	2053.444
TOTAL	591.944	59.853	1089.982	4835.380	335.437	999.346	.000	.000	3500.597	2053.444

DATE: 04/03/08
TIME: 12:18:37
FILE:
PROP: 4971
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF NOVEMBER 30, 2006

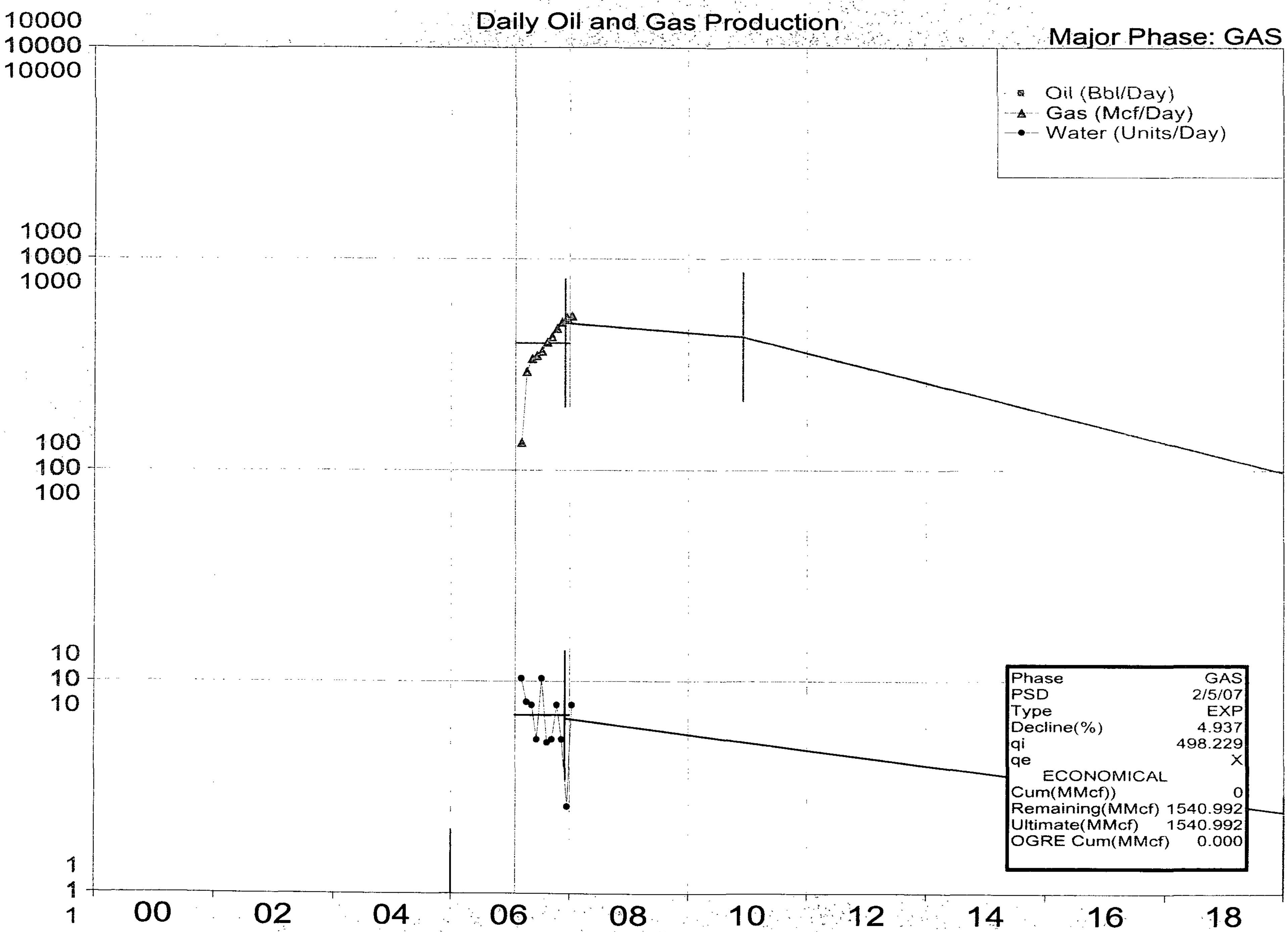
-END- MO-YR	OPER CASH FLOW. M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-07	537.770	94.789	.000	999.340	.000	-556.365	.000	-216.982	-580.031	-608.248
12-08	642.515	68.756	.000	.000	.000	573.759	.000	223.766	418.749	-237.650
12-09	579.426	49.312	.000	.000	.000	530.114	.000	206.822	372.604	67.683
12-10	548.740	35.080	.000	.000	.000	513.660	.000	200.327	348.413	332.043
12-11	494.007	29.127	.000	.000	.000	464.880	.000	181.303	312.704	551.734
12-12	411.837	29.127	.000	.000	.000	382.710	.000	149.257	262.580	722.545
12-13	341.795	29.127	.000	.000	.000	312.668	.000	121.941	219.854	854.968
12-14	282.321	.319	.000	.000	.000	282.002	.000	109.981	172.340	951.083
12-15	231.819	.000	.000	.000	.000	231.819	.000	90.409	141.410	1024.107
12-16	188.935	.000	.000	.000	.000	188.935	.000	73.685	115.250	1079.213
12-17	152.533	.000	.000	.000	.000	152.533	.000	59.488	93.045	1120.406
12-18	121.630	.000	.000	.000	.000	121.630	.000	47.436	74.194	1150.820
12-19	95.403	.000	.000	.000	.000	95.403	.000	37.207	58.196	1172.909
12-20	73.143	.000	.000	.000	.000	73.143	.000	28.526	44.617	1188.590
12-21	54.251	.000	.000	.000	.000	54.251	.000	21.158	33.093	1199.359
12-22	38.223	.000	.000	.000	.000	38.223	.000	14.907	23.316	1206.384
12-23	24.623	.000	.000	.000	.000	24.623	.000	9.603	15.020	1210.574
12-24	13.094	.000	.000	.000	.000	13.094	.000	5.107	7.987	1212.637
12-25	3.315	.000	.000	.000	.000	3.315	.000	1.293	2.022	1213.121
S TOT	4835.380	335.437	.000	999.346	.000	3500.597	.000	1365.234	2135.363	1213.121
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	1213.121
TOTAL	4835.380	335.437	.000	999.346	.000	3500.597	.000	1365.234	2135.363	1213.121

BTAX RATE OF RETURN (PCT)	48.27	ATAX RATE OF RETURN (PCT)	38.84
BTAX PAYOUT	04/07/2009	ATAX PAYOUT	06/07/2009
BTAX PAYOUT (DISC)	07/07/2009	ATAX PAYOUT (DISC)	10/11/2009
BTAX NET INCOME/INVEST	3.62	ATAX NET INCOME/INVEST	2.60
BTAX NET INCOME/INVEST (DISC)	2.55	ATAX NET INCOME/INVEST (DISC)	1.92
PRODUCTION START DATE	3/05/07	PROJECT LIFE (YEARS)	19.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	6.68
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	1164.340
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	1164.340
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	3500.597	2135.363
2.0	3045.834	1846.987
5.0	2491.824	1494.037
8.0	2053.444	1213.121
10.0	1810.041	1056.359
12.0	1597.795	919.111
15.0	1326.740	742.944
18.0	1100.857	595.222
20.0	970.404	509.461
25.0	699.001	329.765
30.0	486.636	187.681
35.0	316.679	72.785
40.0	178.041	-21.909
45.0	63.106	-101.215
50.0	-33.512	-168.551
60.0	-186.399	-276.653
70.0	-301.400	-359.535
80.0	-390.648	-425.056
90.0	-461.656	-478.121
100.0	-519.321	-521.957

Property 4971
ROSA UNIT # 235A



ROSA UNIT #235A
BASIN FRUITLAND COAL

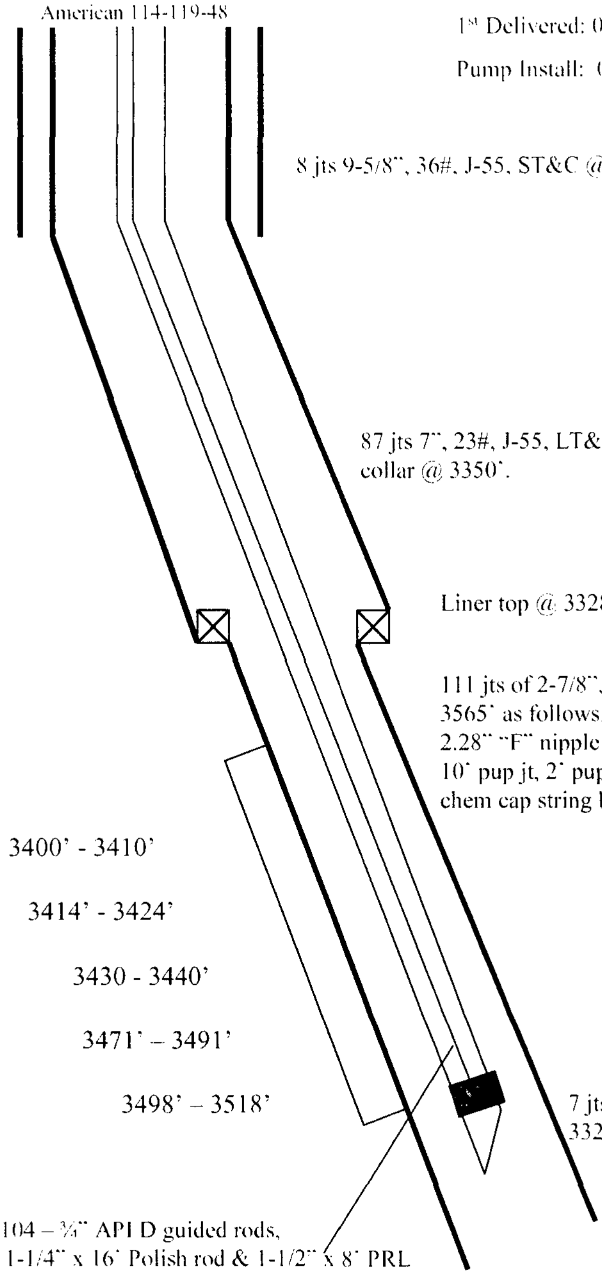
Surface Location:
1635' FSL and 2580' FEL
NW/4 SE/4 Sec 09(J), T31N, R06W
San Juan, NM

Bottom Hole Location:
2314' FSL and 1652' FEL
NW/4 SE/4 Sec 09(J), T31N, R06W
San Juan, NM

Elevation: 6386' GR
API # 30-045-33804

Spud: 11/11/06
Completed: 02/09/07
1st Delivered: 03/05/07
Pump Install: 02/08/07

Pumping Unit
American 114-119-48



8 jts 9-5/8", 36#, J-55, ST&C @ 336'.

Top	MD	TVD
Ojo Alamo	2668'	2385'
Kirtland	2779'	2490'
Fruitland	3285'	2985'
Base of Coal	3496'	3195'

87 jts 7", 23#, J-55, LT&C @ 3370'. Float collar @ 3350'.

Liner top @ 3328'

111 jts of 2-7/8", 6.5#, J-55 tbg @ 3565' as follows: 26.7' mud anchor, 2.28" "F" nipple @ 3537', 110 jts tbg, 10' pup jt, 2' pup jt & 1 jt tbg. (1/4" chem cap string banded to tbg)

0.46", 4SPF
280 holes total

3400' - 3410'
3414' - 3424'
3430 - 3440'
3471' – 3491'
3498' – 3518'

Open hole from 6-1/4" to 9-1/2"
from 3380' to 3617'

7 jts 5-1/2", 17#, N-80 @ 3328' - 3617'.

Rod string: 2' pony, 104 – ⅞" API D guided rods, 37 – ¾" API D rods, 1-1/4" x 16' Polish rod & 1-1/2" x 8' PRL

TD @ 3617' MD

Insert Pump: 2.5" x 1.25" x 7' x7.3' x 11.3' RHAC w/1" x 6' Gas anchor (energy pump)

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	200 sxs	282 cu.ft.	Surface
8-3/4"	7", 23#	500 sxs	1015 cu.ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

MC 06/12/07

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address	2 OGRID Number / 3 Reason for Filing Code/ Effective Date
WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-1 TULSA, OK 74101	120782 NW

4 API Number	5 Pool Name	6 Pool Code
30 – 045-33804	BASIN FRUITLAND COAL	71629
7 Property Code	**8 Property Name**	**9 Well Number**
17033	ROSA UNIT	235A

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	09	31N	06W		1635'	SOUTH	2580'	EAST	SAN JUAN

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	09	31N	06W		2314'	SOUTH	1652'	EAST	SAN JUAN

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	RCVD MAR12'07 OIL CONS. DIV. DIST. 3
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

AM 11: 04

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO.
NMSF-078765

RECEIVED

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

210 FAR

7. UNIT AGREEMENT NAME

RCVD MAR 13 '07
OIL CONS. DIV.
DIST. 3

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF RESVR. OTHER

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #235A

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.
30-045-33804

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1635' FSL & 2580' FEL
At top production interval reported below :
At total depth: 2314' FSL & 1652' FEL

10. FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA
NW/4 SE/4 SEC 09-31N-06W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	13. STATE
		SAN JUAN	NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
11/11/06	12/14/06	02/09/07	6386' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3617' MD				X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 3400' – 3518'

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN
NONE

27. WAS WELL CORED
NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" J-55	36#	336'	12-1/4"	200 SX – SURFACE	
7" J-55	23#	3370'	8-3/4"	500 SX – SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5 ½", 17#, N-80	3328'	3617'	0 SX	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8", 6.5#, J-55	3565'	

31. PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal: 3400' – 10', 3414' – 24', 3430' – 40', 3491' – 91' & 3498' – 3518' Total of 280 (0.46") holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
03/05/07	Flowing	Producing

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL – BBL.	GAS – MCF	WATER – BBL.	GAS-OIL RATIO
02/09/07		2"	3 hrs		250		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL – BBL.	GAS – MCF	WATER – BBL.	OIL GRAVITY-API (CORR.)
600	765					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE March 5, 2007

ACCEPTED FOR RECORD
MAR 12 2007
FARMINGTON FIELD OFFICE

NMOCD

The Rosa Unit #239A Fruitland Coal Well (commercial) is located 1307 feet from the South Line and 989 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 29, 2006, and completed in the Fruitland Coal formation on December 9, 2006. The Fruitland Coal formation was completed open-hole between the following depths: 3205' to 3364'. This well has a 2 7/8" tubing string. On December 9, 2006 the well was tested, while producing with a CP of 45 psig, and after flowing for three hours through a ¾" choke on the 2 7/8" tubing string, the well gauged ~~216~~ 27 MCFD.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 100% and is therefore determined commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- State of NM Form C-105

Evaluating Engineer

4-15-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

117 CASE NONE
CASE NAME: COMM RU 239A FTC
120 01 2005 12 11 30 2005 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	4200.00	3.000	GAS	12/11/2006

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	0.	.000	.000
315	3.	.000	108243.000
316	3.	.000	138219.000
317	3.	.000	144026.000
318	3.	.000	136934.000
319	3.	.000	102626.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.937	1414.684	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.937	1414.684	1215.329	6.194	YRS	D	2067.218	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	1215.329	4.115	41.194	YRS	D	4787.475	MMCF

600 SERIES LINES:

602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 : CASE $ARR17_OP_POV_APR07
629 : CASE $AREA17
630 : EST. GATHERING PER WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 : SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 : SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 : SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 : SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 : WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 : MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 : DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 : EST. FLU PER WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 : CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 : SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 : SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.80 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 : AFE=WT1647 ACTUAL COST

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	100.876	571.629	.000		
803 ! AFE=WT1647 ACTUAL COST									
803	COMP	-2.000	MOS	G	223.610	415.275	.000		

850 NOLOSS = ON

ECONOMIC LIFE (YRS): 29.000
GROSS GAS (MMCF): 4739.722
GROSS WATER (MU): .000

DATE: 04/03/08
TIME: 11:06:32
FILE:
PROF: 4970
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF NOVEMBER 30, 2005

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---		NO. OF	----------------OPERATIONS, M$----------------			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-06	.000	24.234	.000	20.485	.00	6.06	1.0	.000	124.133	.000	124.133
12-07	.000	526.166	.000	445.136	.00	6.68	1.0	.000	2972.212	.000	2972.212
12-08	.000	487.440	.000	412.374	.00	6.68	1.0	.000	2753.457	.000	2753.457
12-09	.000	483.374	.000	408.934	.00	6.68	1.0	.000	2730.488	.000	2730.488
12-10	.000	459.510	.000	388.745	.00	6.68	1.0	.000	2595.684	.000	2595.684
12-11	.000	421.596	.000	356.670	.00	6.68	1.0	.000	2381.517	.000	2381.517
12-12	.000	359.163	.000	303.852	.00	6.68	1.0	.000	2028.846	.000	2028.846
12-13	.000	305.288	.000	258.274	.00	6.68	1.0	.000	1724.518	.000	1724.518
12-14	.000	259.495	.000	219.533	.00	6.68	1.0	.000	1465.841	.000	1465.841
12-15	.000	220.570	.000	186.602	.00	6.68	1.0	.000	1245.958	.000	1245.958
12-16	.000	187.486	.000	158.613	.00	6.68	1.0	.000	1059.073	.000	1059.073
12-17	.000	159.362	.000	134.820	.00	6.68	1.0	.000	900.205	.000	900.205
12-18	.000	135.458	.000	114.597	.00	6.68	1.0	.000	765.174	.000	765.174
12-19	.000	115.139	.000	97.408	.00	6.68	1.0	.000	650.402	.000	650.402
12-20	.000	97.869	.000	82.797	.00	6.68	1.0	.000	552.843	.000	552.843
12-21	.000	83.188	.000	70.377	.00	6.68	1.0	.000	469.913	.000	469.913
12-22	.000	70.710	.000	59.821	.00	6.68	1.0	.000	399.430	.000	399.430
12-23	.000	60.103	.000	50.847	.00	6.68	1.0	.000	339.510	.000	339.510
12-24	.000	51.088	.000	43.220	.00	6.68	1.0	.000	288.584	.000	288.584
12-25	.000	43.425	.000	36.738	.00	6.68	1.0	.000	245.303	.000	245.303
12-26	.000	36.911	.000	31.227	.00	6.68	1.0	.000	208.505	.000	208.505
12-27	.000	31.374	.000	26.542	.00	6.68	1.0	.000	177.223	.000	177.223
12-28	.000	26.668	.000	22.561	.00	6.68	1.0	.000	150.642	.000	150.642
12-29	.000	22.668	.000	19.177	.00	6.68	1.0	.000	128.046	.000	128.046
12-30	.000	19.268	.000	16.301	.00	6.68	1.0	.000	108.843	.000	108.843
12-31	.000	16.378	.000	13.856	.00	6.68	1.0	.000	92.518	.000	92.518
12-32	.000	13.921	.000	11.777	.00	6.68	1.0	.000	78.636	.000	78.636
12-33	.000	11.832	.000	10.010	.00	6.68	1.0	.000	66.838	.000	66.838
12-34	.000	10.058	.000	8.509	.00	6.68	1.0	.000	56.815	.000	56.815
S TOT	.000	4739.722	.000	4009.803	.00	6.67	1.0	.000	26761.157	.000	26761.157
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	4739.722	.000	4009.803	.00	6.67	1.0	.000	26761.157	.000	26761.157

-END-	----------------OPERATIONS, M$----------------				------------CAPITAL COSTS, M$------------					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-06	11.172	1.130	2.819	109.012	324.486	986.904	.000	.000	-1202.378	-1126.490
12-07	267.499	27.047	50.400	2627.266	.000	.000	.000	.000	2627.266	1198.673
12-08	247.811	25.056	50.400	2430.190	.000	.000	.000	.000	2430.190	3190.106
12-09	245.744	24.847	50.400	2409.497	.000	.000	.000	.000	2409.497	5018.325
12-10	233.612	23.621	50.400	2288.051	.000	.000	.000	.000	2288.051	6625.798
12-11	214.337	21.672	50.400	2095.108	.000	.000	.000	.000	2095.108	7988.688
12-12	182.596	18.463	50.400	1777.387	.000	.000	.000	.000	1777.387	9059.252
12-13	155.207	15.693	50.400	1503.218	.000	.000	.000	.000	1503.218	9897.609
12-14	131.926	13.339	50.400	1270.176	.000	.000	.000	.000	1270.176	10553.523
12-15	112.136	11.338	50.400	1072.084	.000	.000	.000	.000	1072.084	11066.134
12-16	95.317	9.638	50.400	903.718	.000	.000	.000	.000	903.718	11466.234
12-17	81.018	8.192	50.400	760.595	.000	.000	.000	.000	760.595	11778.026
12-18	68.866	6.963	50.400	638.945	.000	.000	.000	.000	638.945	12020.548
12-19	58.536	5.919	50.400	535.547	.000	.000	.000	.000	535.547	12208.766
12-20	49.756	5.031	50.400	447.656	.000	.000	.000	.000	447.656	12354.441
12-21	42.292	4.276	50.400	372.945	.000	.000	.000	.000	372.945	12466.814
12-22	35.949	3.635	50.400	309.446	.000	.000	.000	.000	309.446	12553.147
12-23	30.556	3.090	50.400	255.464	.000	.000	.000	.000	255.464	12619.140
12-24	25.973	2.626	50.400	209.585	.000	.000	.000	.000	209.585	12669.271
12-25	22.077	2.232	50.400	170.594	.000	.000	.000	.000	170.594	12707.053
12-26	18.765	1.897	50.400	137.443	.000	.000	.000	.000	137.443	12735.238
12-27	15.950	1.613	50.400	109.260	.000	.000	.000	.000	109.260	12755.984
12-28	13.558	1.371	50.400	85.313	.000	.000	.000	.000	85.313	12770.983
12-29	11.524	1.165	50.400	64.957	.000	.000	.000	.000	64.957	12781.557
12-30	9.796	.990	50.400	47.657	.000	.000	.000	.000	47.657	12788.740
12-31	8.327	.842	50.400	32.949	.000	.000	.000	.000	32.949	12793.339
12-32	7.077	.716	50.400	20.443	.000	.000	.000	.000	20.443	12795.981
12-33	6.015	.608	50.400	9.815	.000	.000	.000	.000	9.815	12797.155
12-34	5.113	.517	50.400	.785	.000	.000	.000	.000	.785	12797.242
S TOT	2408.505	243.527	1414.019	22695.106	324.486	986.904	.000	.000	21383.716	12797.242
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	12797.242
TOTAL	2408.505	243.527	1414.019	22695.106	324.486	986.904	.000	.000	21383.716	12797.242

DATE: 04/03/08
TIME: 11:06:32
FILE:
PROP: 4970
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF NOVEMBER 30, 2005

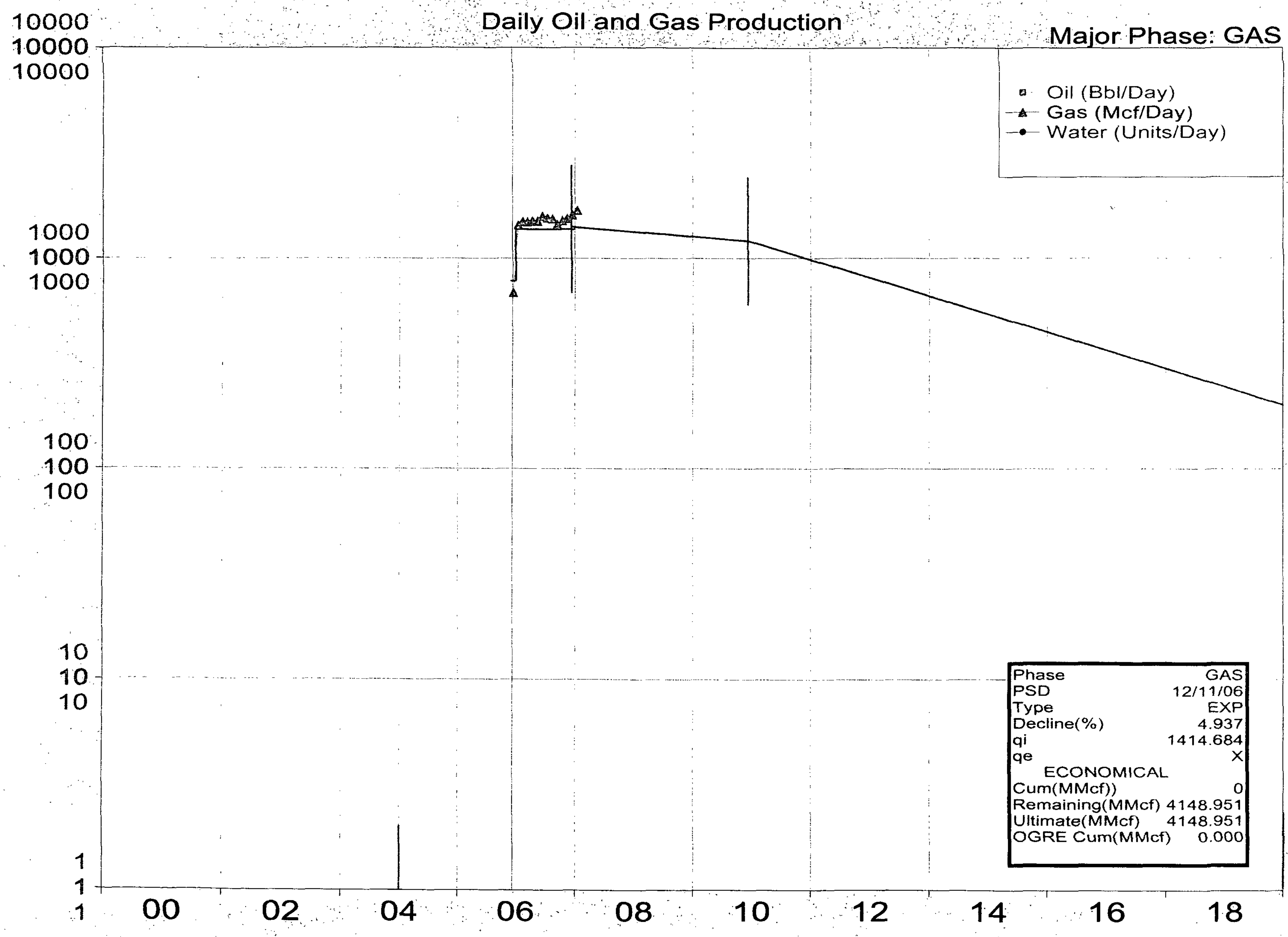
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-06	109.012	20.638	.000	986.904	.000	-898.530	.000	-350.427	-851.951	-803.497
12-07	2627.266	86.813	.000	.000	.000	2540.453	.000	990.777	1636.489	644.816
12-08	2430.190	62.010	.000	.000	.000	2368.180	.000	923.590	1506.600	1879.408
12-09	2409.497	44.293	.000	.000	.000	2365.204	.000	922.430	1487.067	3007.728
12-10	2288.051	31.638	.000	.000	.000	2256.413	.000	880.001	1408.050	3996.955
12-11	2095.108	28.478	.000	.000	.000	2066.630	.000	805.986	1289.122	4835.542
12-12	1777.387	28.477	.000	.000	.000	1748.910	.000	682.075	1095.312	5495.275
12-13	1503.218	22.139	.000	.000	.000	1481.079	.000	577.621	925.597	6011.488
12-14	1270.176	.000	.000	.000	.000	1270.176	.000	495.369	774.807	6411.595
12-15	1072.084	.000	.000	.000	.000	1072.084	.000	418.113	653.971	6724.288
12-16	903.718	.000	.000	.000	.000	903.718	.000	352.450	551.268	6968.349
12-17	760.595	.000	.000	.000	.000	760.595	.000	296.632	463.963	7158.542
12-18	638.945	.000	.000	.000	.000	638.945	.000	249.189	389.756	7306.480
12-19	535.547	.000	.000	.000	.000	535.547	.000	208.863	326.684	7421.293
12-20	447.656	.000	.000	.000	.000	447.656	.000	174.586	273.070	7510.155
12-21	372.945	.000	.000	.000	.000	372.945	.000	145.449	227.496	7578.702
12-22	309.446	.000	.000	.000	.000	309.446	.000	120.684	188.762	7631.365
12-23	255.464	.000	.000	.000	.000	255.464	.000	99.631	155.833	7671.621
12-24	209.585	.000	.000	.000	.000	209.585	.000	81.738	127.847	7702.201
12-25	170.594	.000	.000	.000	.000	170.594	.000	66.532	104.062	7725.248
12-26	137.443	.000	.000	.000	.000	137.443	.000	53.603	83.840	7742.441
12-27	109.260	.000	.000	.000	.000	109.260	.000	42.611	66.649	7755.096
12-28	85.313	.000	.000	.000	.000	85.313	.000	33.272	52.041	7764.245
12-29	64.957	.000	.000	.000	.000	64.957	.000	25.333	39.624	7770.695
12-30	47.657	.000	.000	.000	.000	47.657	.000	18.586	29.071	7775.077
12-31	32.949	.000	.000	.000	.000	32.949	.000	12.850	20.099	7777.882
12-32	20.443	.000	.000	.000	.000	20.443	.000	7.973	12.470	7779.493
12-33	9.815	.000	.000	.000	.000	9.815	.000	3.828	5.987	7780.209
12-34	.785	.000	.000	.000	.000	.785	.000	.306	.479	7780.262
S TOT	22695.106	324.486	.000	986.904	.000	21383.716	.000	8339.651	13044.065	7780.262
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	7780.262
TOTAL	22695.106	324.486	.000	986.904	.000	21383.716	.000	8339.651	13044.065	7780.262

BTAX RATE OF RETURN (PCT)	100.00	ATAX RATE OF RETURN (PCT)	100.00
BTAX PAYOUT	06/16/2007	ATAX PAYOUT	07/08/2007
BTAX PAYOUT (DISC)	06/25/2007	ATAX PAYOUT (DISC)	07/21/2007
BTAX NET INCOME/INVEST	17.31	ATAX NET INCOME/INVEST	10.95
BTAX NET INCOME/INVEST (DISC)	11.43	ATAX NET INCOME/INVEST (DISC)	7.34
PRODUCTION START DATE	12/11/06	PROJECT LIFE (YEARS)	29.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	6.68
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	4739.722
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	4739.722
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	21383.716	13044.065
2.0	18536.598	11299.608
5.0	15253.646	9287.044
8.0	12797.242	7780.262
10.0	11486.239	6975.709
12.0	10373.519	6292.608
15.0	8993.447	5445.075
18.0	7878.448	4760.065
20.0	7249.138	4373.338
25.0	5974.870	3590.056
30.0	5011.958	2998.003
35.0	4264.327	2538.275
40.0	3670.822	2173.344
45.0	3190.890	1878.309
50.0	2796.709	1636.066
60.0	2192.345	1264.928
70.0	1755.733	997.160
80.0	1429.414	797.385
90.0	1178.842	644.303
100.0	982.152	524.431

Property 4970
ROSA UNIT # 239A



ROSA UNIT COM #239A
BASIN FRUITLAND COAL

Spud: 06/29/06

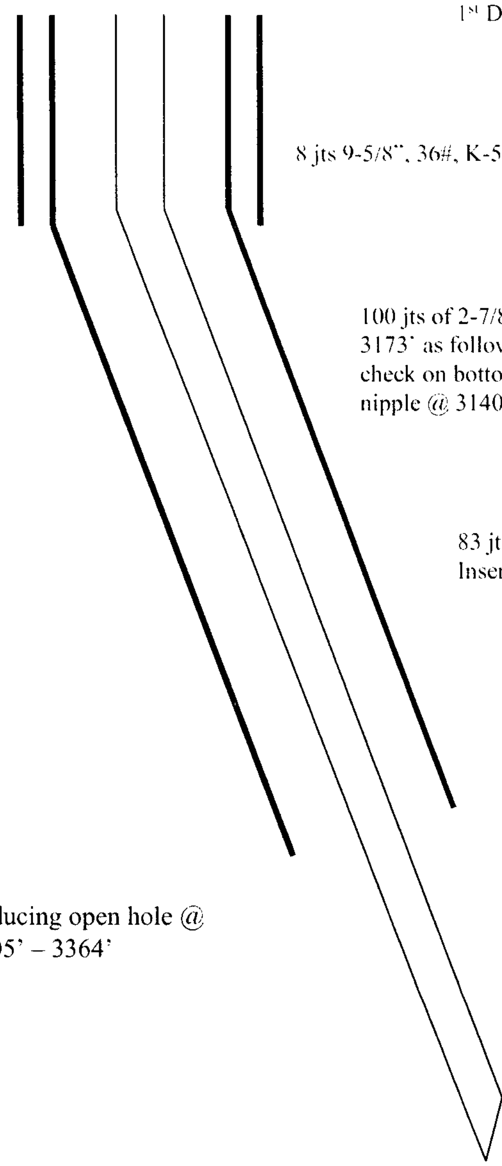
Completed: 12/09/06

1st Delivered: 12/11/06

<u>Surface Location:</u>
220' FSL and 1070' FEL
SE/4 SE/4 Sec 02(P), T31N, R06W
Rio Arriba, NM

<u>Bottom Hole Location:</u>
1307' FSL and 989' FEL
SE/4 SE/4 Sec 02(P), T31N, R06W
Rio Arriba, NM

Elevation: 6236' GR
API # 30-039-29608



8 jts 9-5/8", 36#, K-55, ST&C @ 336'.

100 jts of 2-7/8", 6.5#,J-55 tbg @ 3173' as follows: ½" mule shoe w/ exp check on bottom, 1 jt tbg, 2.25" "F" nipple @ 3140', 99 jts tbg.

Top	MD
Fruitland	3230'
Pictured Cliffs	3364'

83 jts 7", 23#, J-55, LT&C @ 3205'.
Insert float @ 3164'.

Well is producing open hole @
3205' – 3364'

Open hole from 6-1/4" to 9-1/2"
from 3207' to 3458'

TD @ 3458' MD

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	155 sxs	215 cu.ft.	Surface
8-3/4"	7", 23#	450 sxs	910 cu.ft.	Surface

TR 02/26/07

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-1 TULSA, OK 74101	2 OGRID Number 120782 3 Reason for Filing Code/ Effective Date NW

4 API Number	5 Pool Name	6 Pool Code
30 – 039-29608	BASIN FRUITLAND COAL	71629
7 Property Code	**8 Property Name**	**9 Well Number**
~~17033~~ 17212	ROSA UNIT COM	239A

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	02	31N	6W		220'	SOUTH	1070'	EAST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	02	31N	6W		1307'	SOUTH	989'	EAST	RIO ARRIBA

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	RCVD FEB 9'07 OIL CONS. DIV. DIST. 3
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-105
Revised March 25, 1999

WELL API NO. 30-039-29608
5. Indicate Type of Lease STATE ■ FEE ☐
State Oil & Gas Lease No. E-289

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ■ DRY ☐ OTHER ______

b. Type of Completion: NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER: Re-enter

7. Lease Name or Unit Agreement Name: ROSA UNIT COM

2. Name of Operator: WILLIAMS PRODUCTION COMPANY

8. Well No. 239A

3. Address of Operator: P O BOX 3102, MS 25-1 TULSA, OK 74101

9. Pool name or Wildcat: BASIN FRUITLAND COAL

4. Well Location

Unit Letter P : 220 Feet From The SOUTH Line and 1070 Feet From The EAST

RCVD FEB 9'07
OIL CONS. DIV.
DIST. 3

Section 02 Township 31N Range 06W NMPM RIO ARRIBA County

10. Date Spudded	10. Date T.D. Reached	11. Date Compl. (Ready to Prod.)	12. Elevations (DF& R(B. RT, GR, etc.)	13. Elev. Casinghead
06/29/06	11/08/06	12/09/06	6236' GR	

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
3458' (MD)				X	

19. Producing Interval(s), of this completion - Top, Bottom, Name
3205-3364 per Tracy Ross 2/21/07

20. Was Directional Survey Made

21. Type Electric and Other Logs Run

22. Was Well Cored

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8", K-55	36#	336'	12 ¼"	155 sx	
7", J-55	23#	3205'	8 ¾"	450 sx	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8", 6.5#,J-55	3173'	

26. Perforation record (interval, size, and number)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	No acid, no frac

28. PRODUCTION

Date First Production	Production Method (*Flowing, gas lift, pumping - Size and type pump*)	Well Status (*Prod. or Shut-in*)
12/11/06	Flowing	Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
12/09/06	3 hrs				27		

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas – MCF	Water - Bbl.	Oil Gravity - API - (*Corr.*)
5	45					

29. Disposition of Gas (*Sold, used for fuel, vented, etc.*) To be sold

Test Witnessed By Mark Lepich

30. List Attachments

31. *I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief*

Signature Tracy Ross Printed Name TRACY ROSS Title Sr. Production Analyst Date 02/02/07

B 2/21/07

<u>The Rosa Unit #362 Fruitland Coal Well (commercial) is</u> located 1610 feet from the South Line and 1564 feet from the West Line, Section 36, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on April 25, 2006, and completed in the Fruitland Coal formation on September 13, 2006. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 3545' to 3635'. This well has a 2 7/8" tubing string. This well was shut in with a SICP of 32 psig. On September 17, 2006 the well was tested and after flowing for three hours through a ¾" choke on the 2 7/8" tubing, the well gauged 104 MCFD.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 100% and is therefore determined commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III 4-15-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

```
101 ROSA UNIT # 336
102 FTC T31N-R5W-SEC. 8
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE NONE
120 01 2005 12 11 30 2005 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	4200.00	1.000	GAS	8/17/2006

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

	MAN	WATER	GAS
305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	0.	.000	.000
315	3.	.000	61950.000
316	3.	2320.000	146393.000
317	3.	5950.000	113992.000
318	3.	5680.000	112613.000
319	3.	5600.000	72483.000
320	3.	4935.000	46419.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.937	582.122	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.937	582.122	500.090	6.127	YRS	D	1145.225	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	500.090	1.693	41.127	YRS	D	2264.571	MMCF
420	WATER	EXP		8.054	57.481	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	57.481	3.486	36.506	YRS	D	259.195	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 : CASE $ARR17_OP_POV_APR07
629 : CASE $AREA17
630 : EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 : SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 ! SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 : SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 ! SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 : WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 ! MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 : DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 : EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 : CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 : SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 : SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 : AFE=WT2416 ACTUAL COST
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	68.953	390.733	.000		
803 : AFE=WT2416 ACTUAL COST									
803	COMP	-2.000	MOS	G	285.294	529.831	.000		

```
850 NOLOSS = ON

ECONOMIC LIFE  (YRS):        22.000
GROSS GAS     (MMCF):      2196.008
GROSS WATER     (MU):       227.250
```

ROSA UNIT # 336
FTC T31N-R5W-SEC. 8
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 04/01/08
TIME: 10:20:19
FILE:
PROP: 4926
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF NOVEMBER 30, 2005

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			---------------OPERATIONS, M$--------------			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-06	.000	133.871	.000	113.255	.00	6.06	1.0	.000	686.293	.000	686.293
12-07	.000	396.365	.000	335.325	.00	6.68	1.0	.000	2238.994	.000	2238.994
12-08	.000	205.028	.000	173.454	.00	6.68	1.0	.000	1158.167	.000	1158.167
12-09	.000	198.229	.000	167.702	.00	6.68	1.0	.000	1119.761	.000	1119.761
12-10	.000	188.443	.000	159.423	.00	6.68	1.0	.000	1064.481	.000	1064.481
12-11	.000	171.824	.000	145.363	.00	6.68	1.0	.000	970.601	.000	970.601
12-12	.000	146.192	.000	123.678	.00	6.68	1.0	.000	825.809	.000	825.809
12-13	.000	124.263	.000	105.126	.00	6.68	1.0	.000	701.935	.000	701.935
12-14	.000	105.624	.000	89.358	.00	6.68	1.0	.000	596.651	.000	596.651
12-15	.000	89.780	.000	75.954	.00	6.68	1.0	.000	507.151	.000	507.151
12-16	.000	76.313	.000	64.561	.00	6.68	1.0	.000	431.079	.000	431.079
12-17	.000	64.867	.000	54.877	.00	6.68	1.0	.000	366.419	.000	366.419
12-18	.000	55.136	.000	46.645	.00	6.68	1.0	.000	311.453	.000	311.453
12-19	.000	46.866	.000	39.649	.00	6.68	1.0	.000	264.740	.000	264.740
12-20	.000	39.836	.000	33.701	.00	6.68	1.0	.000	225.025	.000	225.025
12-21	.000	33.860	.000	28.646	.00	6.68	1.0	.000	191.272	.000	191.272
12-22	.000	28.782	.000	24.350	.00	6.68	1.0	.000	162.587	.000	162.587
12-23	.000	24.464	.000	20.697	.00	6.68	1.0	.000	138.196	.000	138.196
12-24	.000	20.795	.000	17.593	.00	6.68	1.0	.000	117.470	.000	117.470
12-25	.000	17.675	.000	14.953	.00	6.68	1.0	.000	99.842	.000	99.842
12-26	.000	15.024	.000	12.710	.00	6.68	1.0	.000	84.866	.000	84.866
12-27	.000	12.771	.000	10.804	.00	6.68	1.0	.000	72.139	.000	72.139
S TOT	.000	2196.008	.000	1857.824	.00	6.64	1.0	.000	12334.931	.000	12334.931
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	2196.008	.000	1857.824	.00	6.64	1.0	.000	12334.931	.000	12334.931

-END-	----------------OPERATIONS, M$----------------				------------CAPITAL COSTS, M$------------					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-06	61.766	6.245	21.527	596.755	354.247	920.564	.000	.000	-678.056	-665.405
12-07	201.509	20.375	100.402	1916.708	.000	.000	.000	.000	1916.708	1030.905
12-08	104.235	10.539	98.803	944.590	.000	.000	.000	.000	944.590	1804.955
12-09	100.778	10.190	95.285	913.508	.000	.000	.000	.000	913.508	2498.084
12-10	95.803	9.687	91.670	867.321	.000	.000	.000	.000	867.321	3107.422
12-11	87.354	8.832	88.344	786.071	.000	.000	.000	.000	786.071	3618.769
12-12	74.323	7.515	85.289	658.682	.000	.000	.000	.000	658.682	4015.509
12-13	63.174	6.388	82.481	549.892	.000	.000	.000	.000	549.892	4322.188
12-14	53.699	5.430	79.896	457.626	.000	.000	.000	.000	457.626	4558.504
12-15	45.644	4.615	77.520	379.372	.000	.000	.000	.000	379.372	4739.899
12-16	38.797	3.923	75.334	313.025	.000	.000	.000	.000	313.025	4878.483
12-17	32.978	3.334	73.330	256.777	.000	.000	.000	.000	256.777	4983.744
12-18	28.031	2.834	71.479	209.109	.000	.000	.000	.000	209.109	5063.115
12-19	23.827	2.409	69.782	168.722	.000	.000	.000	.000	168.722	5122.412
12-20	20.252	2.048	68.222	134.503	.000	.000	.000	.000	134.503	5166.182
12-21	17.214	1.741	66.787	105.530	.000	.000	.000	.000	105.530	5197.979
12-22	14.633	1.480	65.467	81.007	.000	.000	.000	.000	81.007	5220.579
12-23	12.438	1.258	64.253	60.247	.000	.000	.000	.000	60.247	5236.142
12-24	10.572	1.069	63.137	42.692	.000	.000	.000	.000	42.692	5246.354
12-25	8.986	.909	62.112	27.835	.000	.000	.000	.000	27.835	5252.519
12-26	7.638	.772	61.169	15.287	.000	.000	.000	.000	15.287	5255.654
12-27	6.493	.656	60.302	4.688	.000	.000	.000	.000	4.688	5256.544
S TOT	1110.144	112.249	1622.591	9489.947	354.247	920.564	.000	.000	8215.136	5256.544
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	5256.544
TOTAL	1110.144	112.249	1622.591	9489.947	354.247	920.564	.000	.000	8215.136	5256.544

ROSA UNIT # 336
FTC T31N-R5W-SEC. 8
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 04/01/08
TIME: 10:20:19
FILE:
PROP: 4926
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

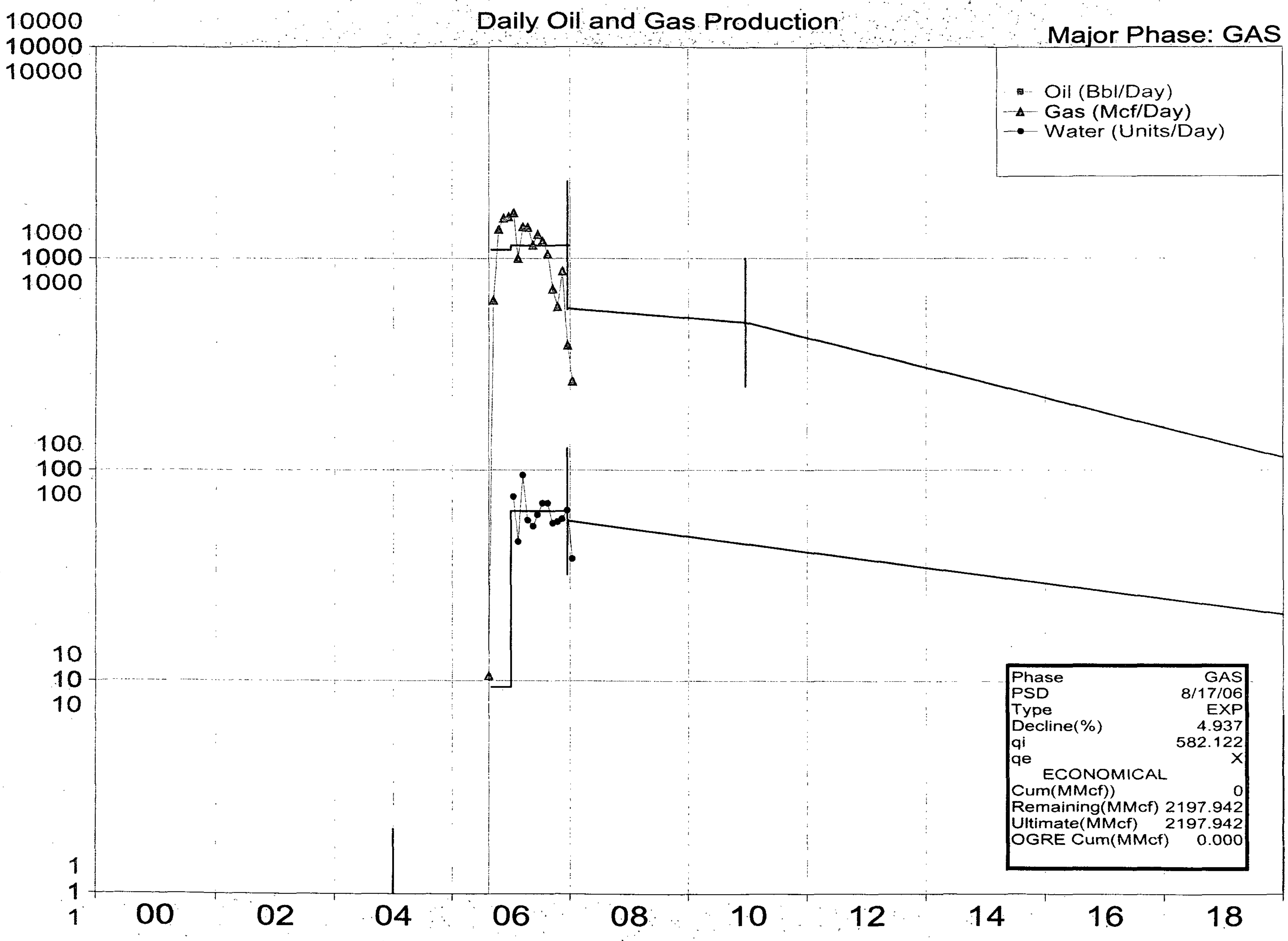
AFTER TAX ECONOMICS

AS OF NOVEMBER 30, 2005

-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-06	596.755	54.604	.000	920.564	.000	-378.413	.000	-147.581	-530.475	-527.709
12-07	1916.708	85.613	.000	.000	.000	1831.095	.000	714.127	1202.581	536.590
12-08	944.590	61.151	.000	.000	.000	883.439	.000	344.541	600.049	1028.304
12-09	913.508	43.680	.000	.000	.000	869.828	.000	339.233	574.275	1464.038
12-10	867.321	31.556	.000	.000	.000	835.765	.000	325.948	541.373	1844.380
12-11	786.071	31.556	.000	.000	.000	754.515	.000	294.261	491.810	2164.308
12-12	658.682	31.555	.000	.000	.000	627.127	.000	244.580	414.102	2413.732
12-13	549.892	14.532	.000	.000	.000	535.360	.000	208.790	341.102	2603.967
12-14	457.626	.000	.000	.000	.000	457.626	.000	178.474	279.152	2748.120
12-15	379.372	.000	.000	.000	.000	379.372	.000	147.955	231.417	2858.771
12-16	313.025	.000	.000	.000	.000	313.025	.000	122.080	190.945	2943.307
12-17	256.777	.000	.000	.000	.000	256.777	.000	100.143	156.634	3007.516
12-18	209.109	.000	.000	.000	.000	209.109	.000	81.553	127.556	3055.932
12-19	168.722	.000	.000	.000	.000	168.722	.000	65.802	102.920	3092.103
12-20	134.503	.000	.000	.000	.000	134.503	.000	52.456	82.047	3118.803
12-21	105.530	.000	.000	.000	.000	105.530	.000	41.157	64.373	3138.199
12-22	81.007	.000	.000	.000	.000	81.007	.000	31.593	49.414	3151.985
12-23	60.247	.000	.000	.000	.000	60.247	.000	23.496	36.751	3161.479
12-24	42.692	.000	.000	.000	.000	42.692	.000	16.650	26.042	3167.708
12-25	27.835	.000	.000	.000	.000	27.835	.000	10.856	16.979	3171.468
12-26	15.287	.000	.000	.000	.000	15.287	.000	5.962	9.325	3173.380
12-27	4.688	.000	.000	.000	.000	4.688	.000	1.828	2.860	3173.923
S TOT	9489.947	354.247	.000	920.564	.000	8215.136	.000	3203.904	5011.232	3173.923
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	3173.923
TOTAL	9489.947	354.247	.000	920.564	.000	8215.136	.000	3203.904	5011.232	3173.923

				----PRESENT WORTH PROFILE-----		
				DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
BTAX RATE OF RETURN (PCT)	100.00	ATAX RATE OF RETURN (PCT)	100.00			
BTAX PAYOUT	05/08/2007	ATAX PAYOUT	06/10/2007			
BTAX PAYOUT (DISC)	05/22/2007	ATAX PAYOUT (DISC)	06/29/2007			
BTAX NET INCOME/INVEST	7.44	ATAX NET INCOME/INVEST	4.93	.0	8215.136	5011.232
BTAX NET INCOME/INVEST (DISC)	5.30	ATAX NET INCOME/INVEST (DISC)	3.60	2.0	7268.338	4424.278
				5.0	6135.980	3721.111
PRODUCTION START DATE	8/17/06	PROJECT LIFE (YEARS)	22.00	8.0	5256.544	3173.923
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00	10.0	4774.571	2873.560
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000	12.0	4357.951	2613.610
		PRIOR DEPR. BASIS (M$)	.000	15.0	3830.773	2284.222
				18.0	3395.553	2011.853
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	6.68	20.0	3145.865	1855.404
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00	25.0	2630.196	1531.805
				30.0	2230.178	1280.300
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000	35.0	1912.188	1080.053
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	2196.008	40.0	1654.231	917.402
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	2196.008	45.0	1441.379	783.059
				50.0	1263.202	670.518
				60.0	982.847	493.336
				70.0	773.550	361.041
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000	80.0	612.371	259.224
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000	90.0	485.172	178.974
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000	100.0	382.783	114.496

Property 4926
ROSA UNIT # 362



ROSA UNIT #362
BASIN FRUITLAND COAL

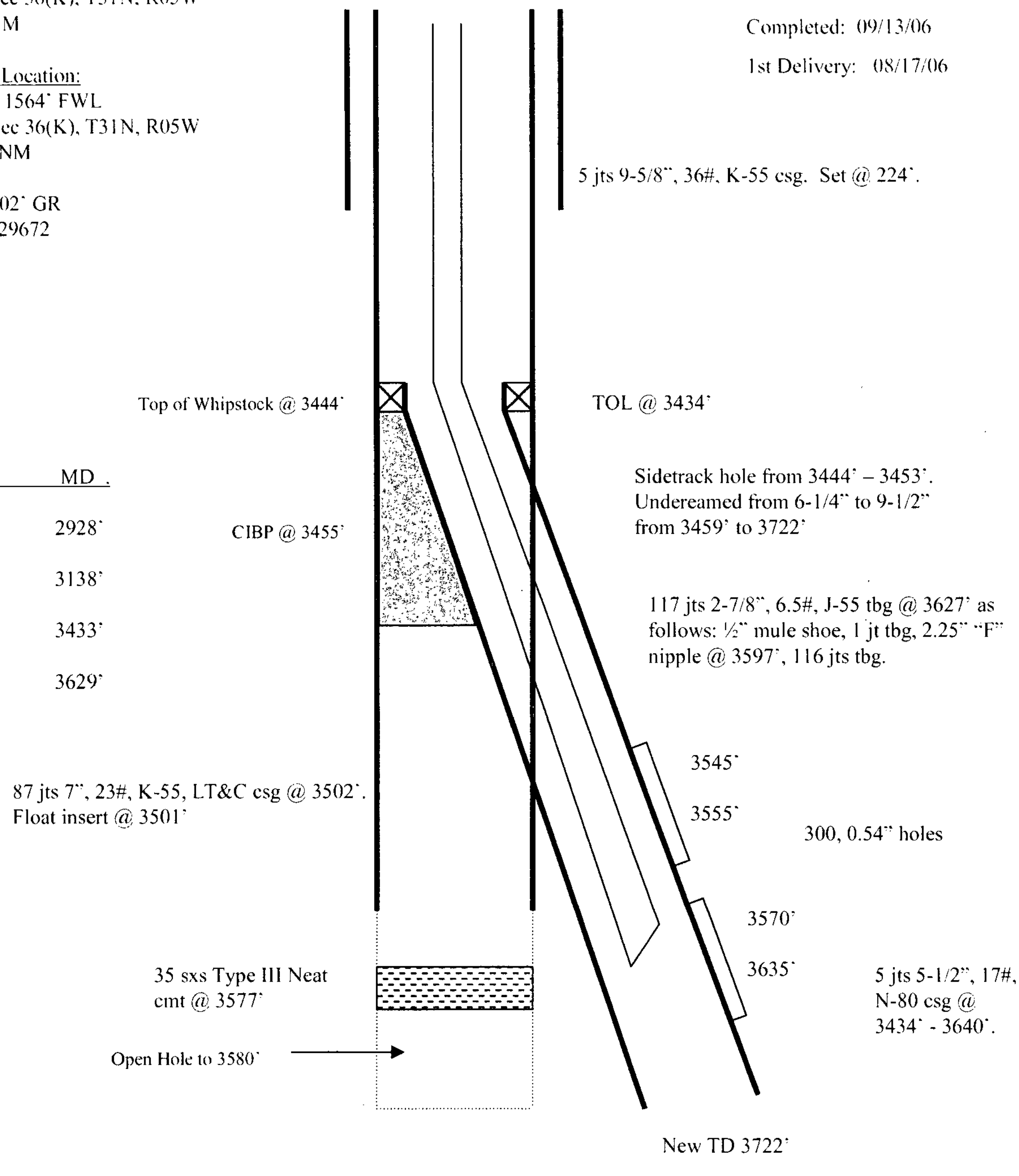
Surface Hole Location:
1625' FSL and 1560' FWL
NE/4 SW/4 Sec 36(K), T31N, R05W
Rio Arriba, NM

Bottom Hole Location:
1610' FSL & 1564' FWL
NE/4 SW/4 Sec 36(K), T31N, R05W
Rion Arriba, NM

Elevation: 6802' GR
API: 30-039-29672

Spud: 04/25/06
Completed: 09/13/06
1st Delivery: 08/17/06

Top	MD
Ojo Alamo	2928'
Kirtland	3138'
Fruitland	3433'
Base of Coal	3629'



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	190 sx	268 cu.ft.	Surface
8-3/4"	7", 23#	520 sx	1057 cu.ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

TR 10/19/06

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RCVD OCT 23'06
OIL CONS. DIV.
DIST. 3

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-1 TULSA, OK 74101	2 OGRID Number 120782 3 Reason for Filing Code/ Effective Date NW

4 API Number 30 – 039-29672	5 Pool Name BASIN FRUITLAND COAL	6 Pool Code 71629
7 Property Code 17033	8 Property Name ROSA UNIT	9 Well Number 362

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	36	31N	5W		1625'	SOUTH	1560'	WEST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	36	31N	5W		1610'	SOUTH	1564'	WEST	RIO ARRIBA

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

RCVD JAN29'07
OIL CONS. DIV.
DIST. 3

5. LEASE DESIGNATION AND LEASE NO.
NMSF-078768

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

7. UNIT AGREEMENT NAME

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

2006 OCT 23 PM 6 51

b. TYPE OF COMPLETION
X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF RESVR. OTHER

RECEIVED
070 FARMINGTON NM

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #362

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.
30-039-29672

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1625' FSL & 1560' FWL
At top production interval reported below
At total depth: 1610' FSL & 1564' FWL

10. FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA
NE/4 SW/4 SEC 36-31N-05W

14. PERMIT NO.
DATE ISSUED

12. COUNTY OR
RIO ARRIBA

13. STATE
NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
04/25/06	08/07/06	09/13/06	6802' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3722' MD				X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 3545' – 3635'

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN
NONE

27. WAS WELL CORED
NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" K-55	36#	224'	12-1/4"	190 SX - SURFACE	
7" K-55	23#	3502'	8-3/4"	520 SX – SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5-1/2", 17#, N-80	3434'	3640'	0	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8", 6.5#, J-55	3627'	

31. PERFORATION RECORD (Interval, size, and number)

3545' – 3555' (40, 0.54" holes)

3570' – 3635' (260, 0.54" holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
~~08~~ 9/17/06	Flowing	Producing

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
~~08~~ 9/17/06	3 hrs	3/4"			26		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
5	32					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY: MARK LEPICH

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE October 19, 2006

ACCEPTED FOR RECORD

JAN 26 2007

FARMINGTON FIELD OFFICE
BY

NMOCD

&

The Rosa Unit #372 Fruitland Coal Well (commercial) is located 2460 feet from the South Line and 1205 feet from the West Line, Section 31, Township 31 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 29, 2004, and completed in the Fruitland Coal formation on October 16, 2004. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 3362' to 3446'. This well has a 2 7/8" tubing string. This well was shut in with a SICP of 970 psig. On October 30, 2004 the well was tested and after flowing for three hours through a ¾" choke on the 2 7/8" tubing, the well gauged 321 MCFD. A sucker rod pump was installed in the well on August 25, 2005.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 89% and is therefore determined commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III 4-14-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

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OGRE(R) V2.2  BATAX                                   D A T A   R E P O R T                 DATE: 04/08/08
FILE NAME:          ( 4921)                           - - - -   - - - - - -                 TIME: 18:34:16
CASE NAME: COMM RU 372 FTC          -372          -9OTH-RLG-            -SJB
101 ROSA UNIT # 372
102 FTC T31N-R4W-SEC. 31
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 R1O ARRIBA COUNTY ,NM

117 CASE NONE
120 01 2003 12 12 01 2004 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	1200.00	1.000	GAS	11/01/2004

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	2.	.000	.000
315	3.	6880.000	21180.490
316	3.	5520.000	20970.000
317	3.	3600.000	22185.000
318	3.	4160.000	23057.000
319	3.	2340.000	26739.000
320	3.	3120.000	31696.000
321	3.	2480.000	36405.000
322	3.	2935.000	24353.000
323	3.	3040.000	26085.000
324	3.	3550.000	25812.000
325	3.	3280.000	37396.000
326	3.	1200.000	47309.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.937	375.765	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.937	375.765	322.813	8.000	YRS	D	724.925	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	322.813	1.093	43.000	YRS	D	1447.473	MMCF
420	WATER	EXP		8.054	26.926	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	26.926	1.878	36.712	YRS	D	150.985	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 ! CASE $ARR17_OP_POV_APR07
629 ! CASE $AREA17
630 ! EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 ! SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 ! SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 ! SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 ! SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 ! WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 ! MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 ! DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 ! EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 ! CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORTTHM
642 ! SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 ! SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 ! SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 ! SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 ! WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 ! MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 ! MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 ! CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 ! ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 ! AFE=WT1141 AFE COST
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	54.703	234.693	.000		
803 ! AFE=WT1141 AFE COST									
803	COMP	-2.000	MOS	G	102.982	255.975	.000		

850 NOLOSS = ON

ECONOMIC LIFE	(YRS):	29.000
GROSS GAS	(MMCF):	1429.625
GROSS WATER	(MU):	144.805

ROSA UNIT # 372
FTC T31N-R4W-SEC. 31
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 04/08/08
TIME: 18:34:16
FILE:
PROP: 4021
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF DECEMBER 1, 2004

	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			---------------OPERATIONS, M$---------------			
-END- MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-04	.000	.000	.000	.000	.00	5.61	1.0	.000	.000	.000	.000
12-05	.000	87.392	.000	73.934	.00	7.85	1.0	.000	580.740	.000	580.740
12-06	.000	119.193	.000	100.837	.00	6.06	1.0	.000	611.044	.000	611.044
12-07	.000	136.602	.000	115.565	.00	6.68	1.0	.000	771.638	.000	771.638
12-08	.000	133.740	.000	113.144	.00	6.68	1.0	.000	755.472	.000	755.472
12-09	.000	127.138	.000	107.559	.00	6.68	1.0	.000	718.181	.000	718.181
12-10	.000	120.860	.000	102.248	.00	6.68	1.0	.000	682.719	.000	682.719
12-11	.000	108.751	.000	92.003	.00	6.68	1.0	.000	614.312	.000	614.312
12-12	.000	92.438	.000	78.203	.00	6.68	1.0	.000	522.168	.000	522.168
12-13	.000	78.572	.000	66.472	.00	6.68	1.0	.000	443.839	.000	443.839
12-14	.000	66.786	.000	56.501	.00	6.68	1.0	.000	377.262	.000	377.262
12-15	.000	56.769	.000	48.027	.00	6.68	1.0	.000	320.680	.000	320.680
12-16	.000	48.253	.000	40.822	.00	6.68	1.0	.000	272.572	.000	272.572
12-17	.000	41.015	.000	34.699	.00	6.68	1.0	.000	231.688	.000	231.688
12-18	.000	34.863	.000	29.494	.00	6.68	1.0	.000	196.934	.000	196.934
12-19	.000	29.633	.000	25.070	.00	6.68	1.0	.000	167.395	.000	167.395
12-20	.000	25.189	.000	21.310	.00	6.68	1.0	.000	142.289	.000	142.289
12-21	.000	21.410	.000	18.113	.00	6.68	1.0	.000	120.942	.000	120.942
12-22	.000	18.199	.000	15.396	.00	6.68	1.0	.000	102.800	.000	102.800
12-23	.000	15.468	.000	13.086	.00	6.68	1.0	.000	87.376	.000	87.376
12-24	.000	13.149	.000	11.124	.00	6.68	1.0	.000	74.276	.000	74.276
12-25	.000	11.176	.000	9.455	.00	6.68	1.0	.000	63.132	.000	63.132
12-26	.000	9.500	.000	8.037	.00	6.68	1.0	.000	53.664	.000	53.664
12-27	.000	8.075	.000	6.831	.00	6.68	1.0	.000	45.611	.000	45.611
12-28	.000	6.863	.000	5.806	.00	6.68	1.0	.000	38.767	.000	38.767
12-29	.000	5.834	.000	4.936	.00	6.68	1.0	.000	32.958	.000	32.958
12-30	.000	4.959	.000	4.195	.00	6.68	1.0	.000	28.010	.000	28.010
12-31	.000	4.216	.000	3.567	.00	6.68	1.0	.000	23.817	.000	23.817
12-32	.000	3.582	.000	3.030	.00	6.68	1.0	.000	20.232	.000	20.232
S TOT	.000	1429.625	.000	1209.464	.00	6.70	1.0	.000	8100.518	.000	8100.518
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	1429.625	.000	1209.464	.00	6.70	1.0	.000	8100.518	.000	8100.518

	-----------------OPERATIONS, M$----------------				-------------CAPITAL COSTS, M$-------------					8.00 PCT
-END- MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-04	.000	.000	2.400	-2.400	157.685	490.668	.000	.000	-650.753	-663.348
12-05	52.267	5.285	62.784	460.404	.000	.000	.000	.000	460.404	-223.156
12-06	54.994	5.561	40.500	509.989	.000	.000	.000	.000	509.989	228.325
12-07	69.447	7.022	40.968	654.201	.000	.000	.000	.000	654.201	764.574
12-08	67.992	6.875	37.025	643.580	.000	.000	.000	.000	643.580	1253.040
12-09	64.636	6.535	35.201	611.809	.000	.000	.000	.000	611.809	1682.996
12-10	61.445	6.213	33.528	581.533	.000	.000	.000	.000	581.533	2061.402
12-11	55.288	5.590	31.985	521.449	.000	.000	.000	.000	521.449	2375.577
12-12	46.995	4.752	30.569	439.852	.000	.000	.000	.000	439.852	2620.959
12-13	39.946	4.039	29.268	370.586	.000	.000	.000	.000	370.586	2812.385
12-14	33.954	3.433	28.070	311.805	.000	.000	.000	.000	311.805	2961.517
12-15	28.861	2.918	26.969	261.932	.000	.000	.000	.000	261.932	3077.516
12-16	24.531	2.480	25.956	219.605	.000	.000	.000	.000	219.605	3167.566
12-17	20.852	2.108	25.027	183.701	.000	.000	.000	.000	183.701	3237.314
12-18	17.724	1.792	24.170	153.248	.000	.000	.000	.000	153.248	3291.189
12-19	15.066	1.523	23.383	127.423	.000	.000	.000	.000	127.423	3332.667
12-20	12.806	1.295	22.658	105.530	.000	.000	.000	.000	105.530	3364.474
12-21	10.885	1.101	21.996	86.960	.000	.000	.000	.000	86.960	3388.742
12-22	9.252	.935	21.382	71.231	.000	.000	.000	.000	71.231	3407.148
12-23	7.864	.795	20.820	57.897	.000	.000	.000	.000	57.897	3421.001
12-24	6.685	.676	20.304	46.611	.000	.000	.000	.000	46.611	3431.327
12-25	5.682	.575	19.829	37.046	.000	.000	.000	.000	37.046	3438.926
12-26	4.830	.488	19.390	28.956	.000	.000	.000	.000	28.956	3444.426
12-27	4.105	.415	18.989	22.102	.000	.000	.000	.000	22.102	3448.313
12-28	3.489	.353	18.619	16.306	.000	.000	.000	.000	16.306	3450.968
12-29	2.966	.300	18.278	11.414	.000	.000	.000	.000	11.414	3452.689
12-30	2.521	.255	17.969	7.265	.000	.000	.000	.000	7.265	3453.703
12-31	2.144	.217	17.678	3.778	.000	.000	.000	.000	3.778	3454.191
12-32	1.821	.184	17.417	.810	.000	.000	.000	.000	.810	3454.288
S TOT	729.048	73.715	753.132	6544.623	157.685	490.668	.000	.000	5896.270	3454.288
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	3454.288
TOTAL	729.048	73.715	753.132	6544.623	157.685	490.668	.000	.000	5896.270	3454.288

ROSA UNIT # 372
FTC T31N-R4W-SEC. 31
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 04/08/08
TIME: 18:34:16
FILE:
PROP: 4921
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF DECEMBER 1, 2004

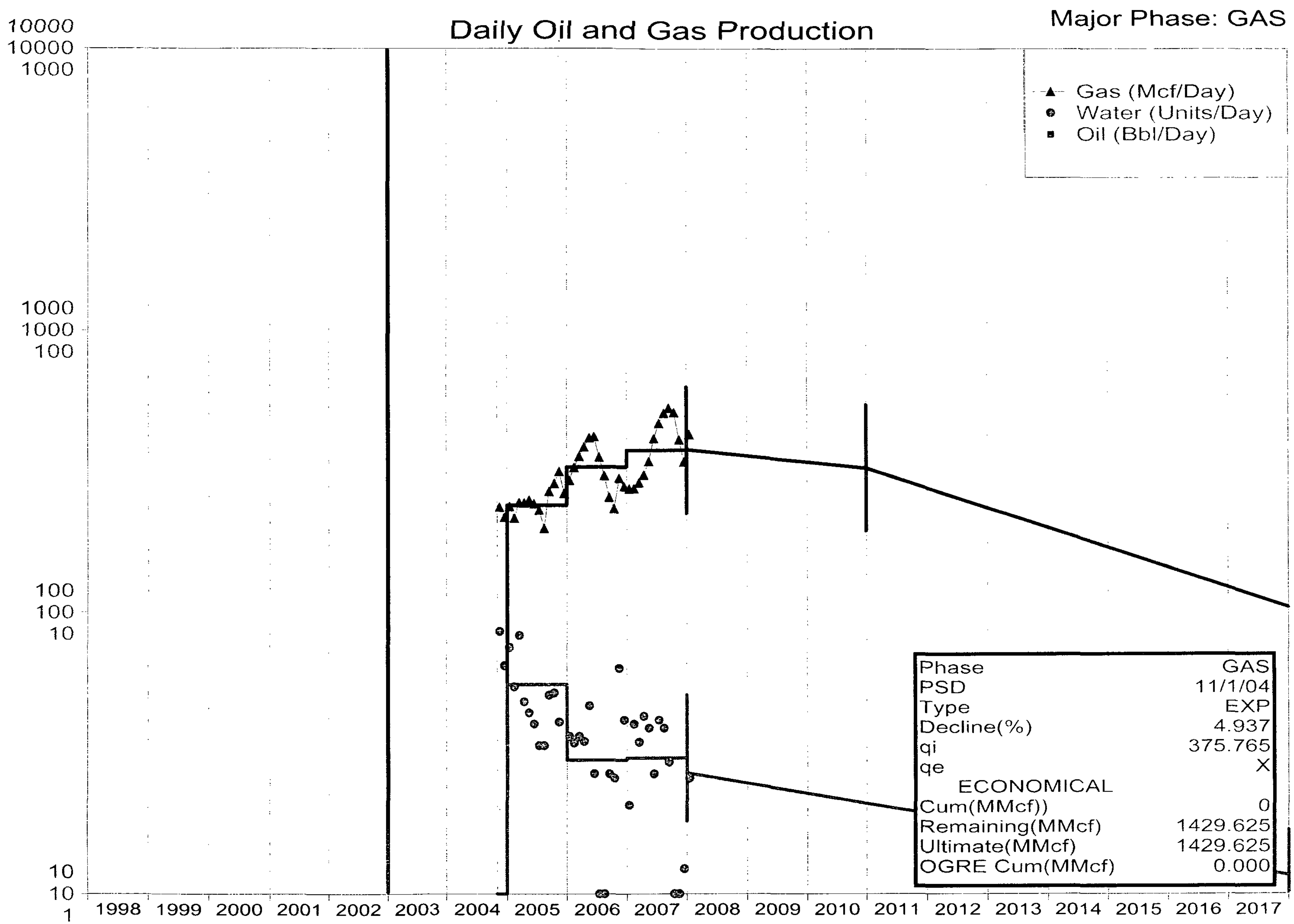
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-04	-2.400	15.018	.000	490.668	.000	-508.086	.000	-198.154	-452.599	-465.194
12-05	460.404	40.762	.000	.000	.000	419.642	.000	163.660	296.744	-181.477
12-06	509.989	29.116	.000	.000	.000	480.873	.000	187.540	322.449	103.980
12-07	654.201	20.797	.000	.000	.000	633.404	.000	247.028	407.173	437.740
12-08	643.580	14.855	.000	.000	.000	628.725	.000	245.203	398.377	740.101
12-09	611.809	13.926	.000	.000	.000	597.883	.000	233.174	378.635	1006.191
12-10	581.533	13.927	.000	.000	.000	567.606	.000	221.366	360.167	1240.553
12-11	521.449	9.284	.000	.000	.000	512.165	.000	199.744	321.705	1434.382
12-12	439.852	.000	.000	.000	.000	439.852	.000	171.542	268.310	1584.065
12-13	370.586	.000	.000	.000	.000	370.586	.000	144.529	226.057	1700.835
12-14	311.805	.000	.000	.000	.000	311.805	.000	121.604	190.201	1791.806
12-15	261.932	.000	.000	.000	.000	261.932	.000	102.153	159.779	1862.566
12-16	219.605	.000	.000	.000	.000	219.605	.000	85.646	133.959	1917.496
12-17	183.701	.000	.000	.000	.000	183.701	.000	71.643	112.058	1960.042
12-18	153.248	.000	.000	.000	.000	153.248	.000	59.767	93.481	1992.906
12-19	127.423	.000	.000	.000	.000	127.423	.000	49.695	77.728	2018.208
12-20	105.530	.000	.000	.000	.000	105.530	.000	41.157	64.373	2037.610
12-21	86.960	.000	.000	.000	.000	86.960	.000	33.914	53.046	2052.414
12-22	71.231	.000	.000	.000	.000	71.231	.000	27.780	43.451	2063.642
12-23	57.897	.000	.000	.000	.000	57.897	.000	22.580	35.317	2072.092
12-24	46.611	.000	.000	.000	.000	46.611	.000	18.178	28.433	2078.391
12-25	37.046	.000	.000	.000	.000	37.046	.000	14.448	22.598	2083.027
12-26	28.956	.000	.000	.000	.000	28.956	.000	11.293	17.663	2086.382
12-27	22.102	.000	.000	.000	.000	22.102	.000	8.620	13.482	2088.753
12-28	16.306	.000	.000	.000	.000	16.306	.000	6.359	9.947	2090.373
12-29	11.414	.000	.000	.000	.000	11.414	.000	4.451	6.963	2091.423
12-30	7.265	.000	.000	.000	.000	7.265	.000	2.833	4.432	2092.042
12-31	3.778	.000	.000	.000	.000	3.778	.000	1.473	2.305	2092.340
12-32	.810	.000	.000	.000	.000	.810	.000	.316	.494	2092.399
S TOT	6544.623	157.685	.000	490.668	.000	5896.270	.000	2299.542	3596.728	2092.399
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	2092.399
TOTAL	6544.623	157.685	.000	490.668	.000	5896.270	.000	2299.542	3596.728	2092.399

BTAX RATE OF RETURN (PCT)	88.78	ATAX RATE OF RETURN (PCT)	76.23
BTAX PAYOUT	05/15/2006	ATAX PAYOUT	06/25/2006
BTAX PAYOUT (DISC)	06/29/2006	ATAX PAYOUT (DISC)	08/20/2006
BTAX NET INCOME/INVEST	10.09	ATAX NET INCOME/INVEST	6.55
BTAX NET INCOME/INVEST (DISC)	6.23	ATAX NET INCOME/INVEST (DISC)	4.17
PRODUCTION START DATE	11/01/04	PROJECT LIFE (YEARS)	29.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	1429.625
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	1429.625
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	5896.270	3596.728
2.0	5089.493	3100.525
5.0	4155.729	2525.334
8.0	3454.288	2092.399
10.0	3078.767	1860.205
12.0	2759.272	1662.365
15.0	2361.797	1415.776
18.0	2039.379	1215.279
20.0	1856.744	1101.471
25.0	1484.869	869.068
30.0	1201.209	691.002
35.0	978.519	550.565
40.0	799.487	437.111
45.0	652.650	343.590
50.0	530.139	265.156
60.0	337.447	140.828
70.0	192.700	46.399
80.0	79.750	-28.128
90.0	-11.118	-88.775
100.0	-86.060	-139.364

Property 4921
COMM RU 372 FTC
31 N - 4 W SEC 31 NE SW



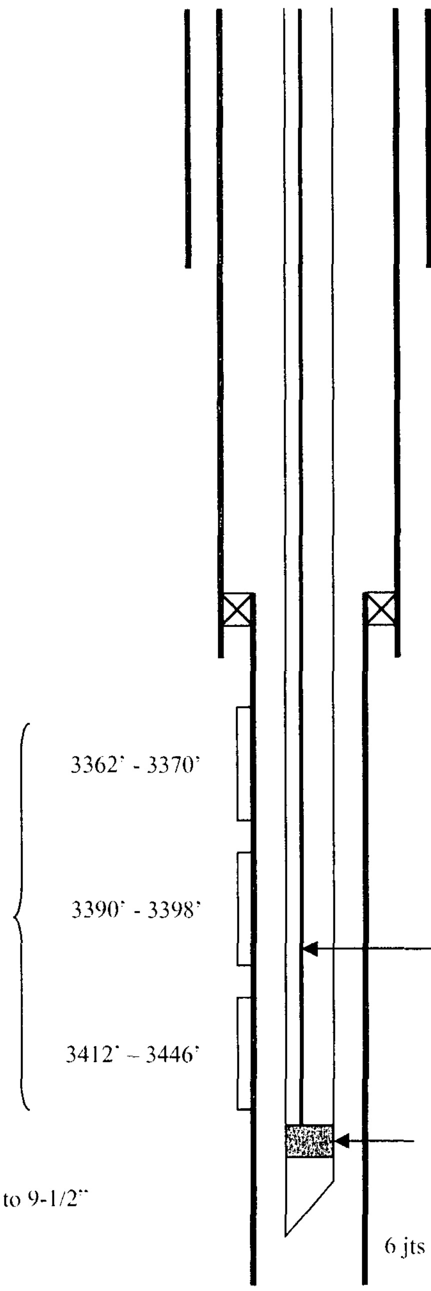
ROSA UNIT #372
BASIN FRUITLAND COAL

Dyna Pump 168"

Spud: 07/29/04
Completed: 10/16/04
1st Delivery: 11/01/04
Pump Unit: 08/25/05

Location:
2460' FSL and 1205' FWL
NE/4 SW/4 Sec 31(K), T31N, R4W
Rio Arriba, New Mexico

Elevation: 6618' GR
API # 30-039-27492



7 jts 9-5/8", 36#, K-55, ST&C @ 316'

Top	Depth
Ojo Alamo	2777'
Kirtland	2935'
Fruitland	3265'
Top of Coal	3369'
Base of Coal	3439'
U. Pictured Cliffs	3440'

84 jts 7", 23#, J-55, LT&C csg @ 3352'

TIW H Latch Liner Hanger top @ 3309'

0.50", 4 SPF,
46' Perf total

3362' - 3370'
3390' - 3398'
3412' - 3446'

110 jts 2-7/8", 6.5#, J-55 tbg @ 3495' as follows:
33.3' mud anchor, 2.28" F nipple, 112 jts tubing,
F Nipple at 3461'

3- 1-1/4"sinker bars, 134 – 0.75" Type 54 grade D guided sucker rods, 2'&4' pony rods, 1-1/4" x 26' polish rod w/1-1/2" x 16' liner

2-1/2"x1-1/2"x16'x17'x20' insert pump

Open hole from 6-1/4" to 9-1/2"
from 3360' to 3439'

6 jts 5-1/2", 17#, N-80 @ 3309'-3540'

TD @ 3539'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	190 sx	268 cu.ft.	Surface
8-3/4"	7", 23#	550 sx	1110 cu.ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

MC 3/13/07

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised June 10, 2003

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-2 TULSA, OK 74101		2 OGRID Number 120782 3 Reason for Filing Code/ Effective Date NW
4 API Number 30 – 039-27492	5 Pool Name BASIN FRUITLAND COAL	6 Pool Code 71629
7 Property Code 17033	8 Property Name ROSA UNIT	9 Well Number 372

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	31	31N	4W		2460	SOUTH	1205	WEST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267			
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102			JUN 2006 RE... OIL CONS. DIV. DIST. 3

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

V. Well Completion Data

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO. SF-078777

6. IF INDIAN,ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

7. UNIT AGREEMENT NAME

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF RESVR. OTHER

JUN 2006

2. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.: ROSA UNIT #372

3. ADDRESS AND TELEPHONE NO.: P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.: 30-039-27492

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 2460' FSL & 1205' FWL
At top production interval reported below :
At total depth:

10. FIELD AND POOL, OR WILDCAT: BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA: NE/4 SW/4 SEC 31-31N-4W

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR: RIO ARRIBA

13. STATE: NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
07/29/04	08/09/04	10/16/04	6618' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3539' MD				x	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 3362' - 3446'

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN: NONE

27. WAS WELL CORED: NO

28.CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE.	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8", K-55	36#	316'	12-1/4"	190 SX - SURFACE	
7", J-55	23#	3352'	8-3/4"	550 SX – SURFACE	

29.LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5 ½", 17#,N-80	3309'	3540'	0 SX	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8", J-55, 6.5#	3478'	

31. PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal: 3362'-70' (32 holes), 3390'-98' (32 holes) & 3412'-46' (136 holes). Total of 200, 0.50" holes

32.ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33.PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
11/01/04	Flowing	Producing

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL.	GAS-OIL RATIO
10/30/04	3 hrs	½"			321		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS – MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
190	970					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.):

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE June 15, 2006

B

<u>The Rosa Unit #375 Fruitland Coal Well (commercial) is</u> located 1675 feet from the South Line and 1875 feet from the West Line, Section 24, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 7, 2004, and completed in the Fruitland Coal formation on September 14, 2004. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 3346' to 3432'. This well has a 2 7/8" tubing string. The well was initially shut in on a vacuum. The well first delivered gas on October 1, 2004. A sucker rod pump was installed in the well on May 9, 2006.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 44% and is therefore determined commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III 4-14-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

```
OGRE(R) V2.2  BATAX                                  D A T A   R E P O R T                            DATE: 03/31/08
FILE NAME:          ( 4914)                          - - - -   - - - - - -                            TIME: 12:56:02
CASE NAME: COMM RU 375 FTC                 -375          -90TH-RLG-              -SJB
101 ROSA UNIT # 375
102 FTC T31N-R5W-SEC. 24
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE NONE
120 01 2003 12 12 01 2004 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 2

        W.I.         OP. COST     OP. COST     ADV. TAX     MAJOR      PROD  DATE
        FRACTION     ($/W/MO)     ($/MO.)      (PCT)        PH. NAME   (MO/DY/YR)
        --------     --------     --------     --------     --------   ----------
210   1.00000000          .00      1200.00        1.000     GAS          8/01/2004

        PHASE        CUM PROD     REV. INT     PRICE        SEV. TAX     NO. OF       RATIO TO
        NAME         (MUNITS)     FRACTION     ($/UNIT)     (PCT)        WELLS        MAJOR PH
        --------     --------     --------     --------     --------     --------     --------
222     GAS              .000    .84600000        5.470        9.000          1.0
224     WATER            .000    .84600000         .000         .000           .0

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

305          MAN        WATER          GAS
310         FACT        1.000        1.000
314           0.         .000         .000
315           3.      800.000     4541.000
316           3.     1200.000     9261.960
317           3.     1440.000     9196.000
318           3.     1200.000    11153.000
319           3.     1300.000    11044.000
320           3.      480.000     7984.000
321           3.      960.000     8886.000
322           3.      960.000    16322.000
323           3.      930.000    17612.000
324           3.      855.000    18142.000
325           3.      720.000    20900.000
326           3.     1280.000    21697.000
327           3.      640.000    22113.000
328           2.      400.000     9816.000

        PH. NAME     CURVE TP     DECLINE%     QI  RATE     QT  RATE          CUM. LIMIT           (M OR Y)            CALC VALUE
        --------     --------     --------     --------     --------     --------------------      --------        --------------------
 410    GAS          EXP             4.937      223.790            X        3.000    IYRS             D
CALC    GAS          EXP     END=    4.937      223.790      192.254        8.000    YRS              D                 416.014     MMCF
 411    GAS          EXP            15.000     LAST                X       35.000    IYRS             D
CALC    GAS          EXP     END=   15.000      192.254         .651       43.000    YRS              D                 846.334     MMCF
 420    WATER        EXP             8.054        6.287            X       34.879    YRS              D
CALC    WATER        EXP     END=    8.054        6.287         .448       36.462    YRS              D                  38.547     M-UNITS

600 SERIES LINES:
-----------------
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 ! CASE $ARR17_OP_POV_APR07
629 ! CASE $AREA17
630 ! EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 ! SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 ! SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 ! SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 ! SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 ! WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 ! MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 ! DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 ! EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 ! CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 ! SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 ! SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 ! SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 ! SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 ! WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 ! MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 ! MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 ! CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 ! ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 ! AFE=WT1142 AFE COST

        INV NAME           INV. POINT         (G OR N)      TANG-M$    INTANG-M$    LSEHLD-M$    RISK FRAC    OVHD FLAG
        --------      --------------------    --------      -------    ---------    ---------    ---------    ---------
802     DRLG            -2.000     MOS           G           55.568      234.693         .000
```

```
803 !'AFE=WT1142 AFE COST
803     COMP          -2.000    MOS          G          102.269     255.975        .000

850 NOLOSS = ON

ECONOMIC LIFE  (YRS):         26.000
GROSS GAS     (MMCF):        828.107
GROSS WATER     (MU):         36.185
```

ROSA UNIT # 375
FTC T31N-R5W-SEC. 24
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/31/08
TIME: 12:56:02
FILE:
PROP: 4914
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

AS OF DECEMBER 1, 2004

-END- MO-YR	GROSS PRODUCTION OIL, MBBL	GROSS PRODUCTION GAS, MMCF	NET PRODUCTION OIL, MBBL	NET PRODUCTION GAS, MMCF	PRICES OIL $/B	PRICES GAS $/M	NO. OF WELLS	OPERATIONS, M$ OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-04	.000	10.715	.000	9.065	.00	5.61	1.0	.000	50.885	.000	50.885
12-05	.000	39.803	.000	33.673	.00	7.85	1.0	.000	264.496	.000	264.496
12-06	.000	57.576	.000	48.709	.00	6.06	1.0	.000	295.163	.000	295.163
12-07	.000	80.573	.000	68.165	.00	6.68	1.0	.000	455.144	.000	455.144
12-08	.000	79.650	.000	67.384	.00	6.68	1.0	.000	449.929	.000	449.929
12-09	.000	75.718	.000	64.057	.00	6.68	1.0	.000	427.714	.000	427.714
12-10	.000	71.979	.000	60.894	.00	6.68	1.0	.000	406.595	.000	406.595
12-11	.000	64.768	.000	54.794	.00	6.68	1.0	.000	365.864	.000	365.864
12-12	.000	55.052	.000	46.574	.00	6.68	1.0	.000	310.979	.000	310.979
12-13	.000	46.794	.000	39.588	.00	6.68	1.0	.000	264.333	.000	264.333
12-14	.000	39.775	.000	33.650	.00	6.68	1.0	.000	224.684	.000	224.684
12-15	.000	33.809	.000	28.602	.00	6.68	1.0	.000	190.978	.000	190.978
12-16	.000	28.738	.000	24.312	.00	6.68	1.0	.000	162.333	.000	162.333
12-17	.000	24.427	.000	20.665	.00	6.68	1.0	.000	137.982	.000	137.982
12-18	.000	20.763	.000	17.565	.00	6.68	1.0	.000	117.283	.000	117.283
12-19	.000	17.648	.000	14.930	.00	6.68	1.0	.000	99.689	.000	99.689
12-20	.000	15.001	.000	12.691	.00	6.68	1.0	.000	84.739	.000	84.739
12-21	.000	12.751	.000	10.787	.00	6.68	1.0	.000	72.026	.000	72.026
12-22	.000	10.839	.000	9.170	.00	6.68	1.0	.000	61.229	.000	61.229
12-23	.000	9.212	.000	7.793	.00	6.68	1.0	.000	52.035	.000	52.035
12-24	.000	7.831	.000	6.625	.00	6.68	1.0	.000	44.236	.000	44.236
12-25	.000	6.656	.000	5.631	.00	6.68	1.0	.000	37.599	.000	37.599
12-26	.000	5.658	.000	4.787	.00	6.68	1.0	.000	31.963	.000	31.963
12-27	.000	4.809	.000	4.068	.00	6.68	1.0	.000	27.162	.000	27.162
12-28	.000	4.088	.000	3.458	.00	6.68	1.0	.000	23.089	.000	23.089
12-29	.000	3.474	.000	2.939	.00	6.68	1.0	.000	19.624	.000	19.624
S TOT	.000	828.107	.000	700.576	.00	6.68	1.0	.000	4677.753	.000	4677.753
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	828.107	.000	700.576	.00	6.68	1.0	.000	4677.753	.000	4677.753

-END- MO-YR	OPERATIONS, M$ SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	CAPITAL COSTS, M$ TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-04	4.580	.463	9.840	36.002	157.837	490.668	.000	.000	-612.503	-637.596
12-05	23.805	2.407	25.584	212.700	.000	.000	.000	.000	212.700	-434.234
12-06	26.565	2.686	22.992	242.920	.000	.000	.000	.000	242.920	-219.183
12-07	40.963	4.142	22.380	387.659	.000	.000	.000	.000	387.659	98.581
12-08	40.494	4.094	19.682	385.659	.000	.000	.000	.000	385.659	391.289
12-09	38.494	3.892	19.258	366.070	.000	.000	.000	.000	366.070	648.549
12-10	36.594	3.700	18.866	347.435	.000	.000	.000	.000	347.435	874.627
12-11	32.928	3.329	18.506	311.101	.000	.000	.000	.000	311.101	1062.067
12-12	27.988	2.830	18.175	261.986	.000	.000	.000	.000	261.986	1208.222
12-13	23.790	2.405	17.870	220.268	.000	.000	.000	.000	220.268	1322.002
12-14	20.222	2.045	17.592	184.825	.000	.000	.000	.000	184.825	1410.401
12-15	17.188	1.738	17.335	154.717	.000	.000	.000	.000	154.717	1478.919
12-16	14.610	1.477	17.098	129.148	.000	.000	.000	.000	129.148	1531.877
12-17	12.418	1.256	16.882	107.426	.000	.000	.000	.000	107.426	1572.665
12-18	10.555	1.067	16.680	88.981	.000	.000	.000	.000	88.981	1603.947
12-19	8.972	.907	16.498	73.312	.000	.000	.000	.000	73.312	1627.811
12-20	7.627	.771	16.330	60.011	.000	.000	.000	.000	60.011	1645.898
12-21	6.482	.655	16.174	48.715	.000	.000	.000	.000	48.715	1659.493
12-22	5.511	.557	16.030	39.131	.000	.000	.000	.000	39.131	1669.605
12-23	4.683	.474	15.900	30.978	.000	.000	.000	.000	30.978	1677.017
12-24	3.981	.403	15.778	24.074	.000	.000	.000	.000	24.074	1682.350
12-25	3.384	.342	15.667	18.206	.000	.000	.000	.000	18.206	1686.085
12-26	2.877	.291	15.566	13.229	.000	.000	.000	.000	13.229	1688.598
12-27	2.445	.247	15.470	9.000	.000	.000	.000	.000	9.000	1690.181
12-28	2.078	.210	15.386	5.415	.000	.000	.000	.000	5.415	1691.063
12-29	1.766	.179	15.305	2.374	.000	.000	.000	.000	2.374	1691.421
S TOT	421.000	42.567	452.844	3761.342	157.837	490.668	.000	.000	3112.837	1691.421
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	1691.421
TOTAL	421.000	42.567	452.844	3761.342	157.837	490.668	.000	.000	3112.837	1691.421

ROSA UNIT # 375
FTC T31N-R5W-SEC. 24
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/31/08
TIME: 12:56:02
FILE:
PROP: 4914
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF DECEMBER 1, 2004

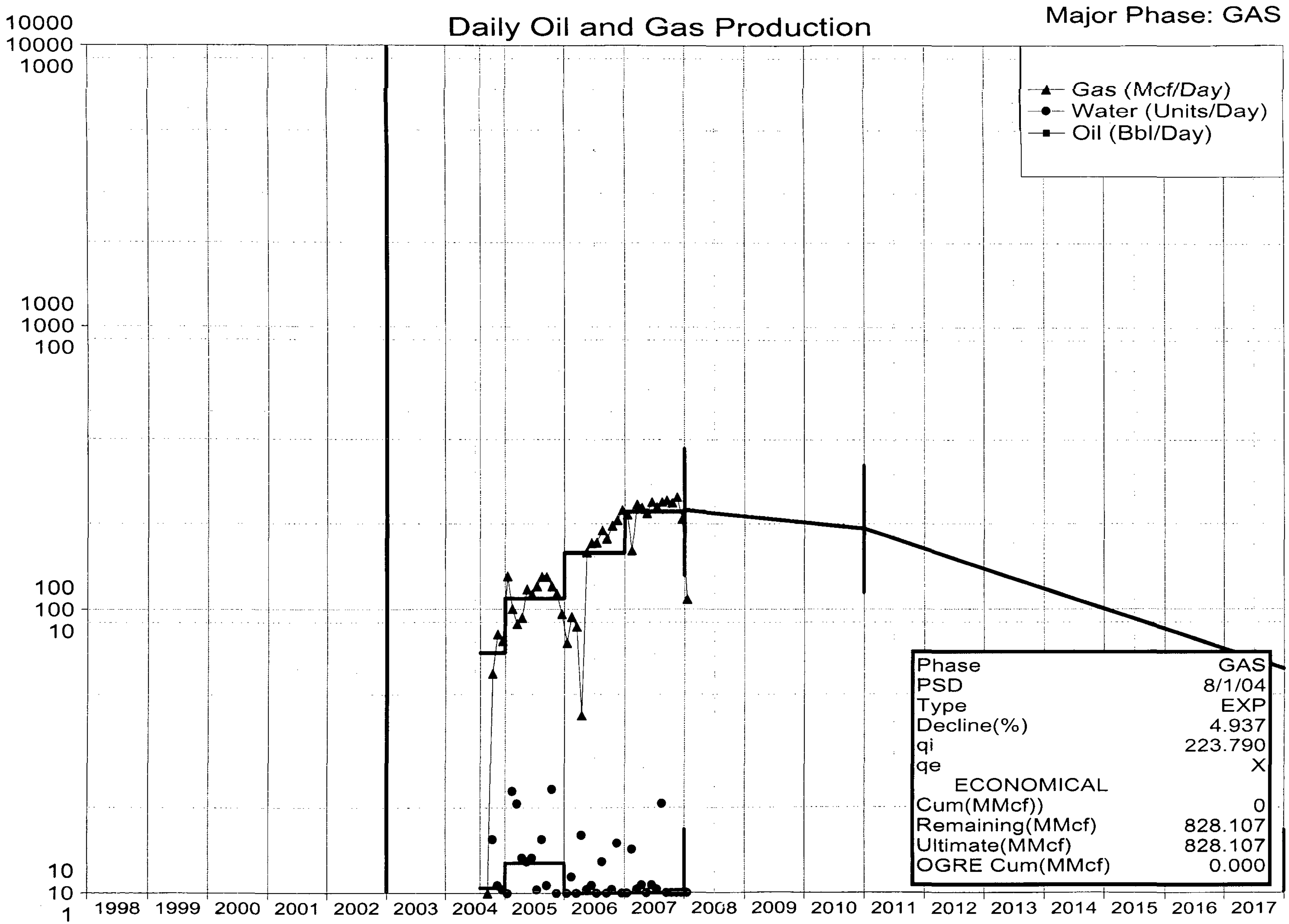
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-04	36.002	26.306	.000	490.668	.000	-480.972	.000	-187.579	-424.924	-448.204
12-05	212.700	37.580	.000	.000	.000	175.120	.000	68.297	144.403	-310.140
12-06	242.920	26.843	.000	.000	.000	216.077	.000	84.270	158.650	-169.691
12-07	387.659	19.174	.000	.000	.000	368.485	.000	143.709	243.950	30.275
12-08	385.659	14.029	.000	.000	.000	371.630	.000	144.936	240.723	212.979
12-09	366.070	14.030	.000	.000	.000	352.040	.000	137.296	228.774	373.752
12-10	347.435	14.029	.000	.000	.000	333.406	.000	130.028	217.407	515.220
12-11	311.101	5.846	.000	.000	.000	305.255	.000	119.049	192.052	630.932
12-12	261.986	.000	.000	.000	.000	261.986	.000	102.175	159.811	720.086
12-13	220.268	.000	.000	.000	.000	220.268	.000	85.905	134.363	789.491
12-14	184.825	.000	.000	.000	.000	184.825	.000	72.082	112.743	843.415
12-15	154.717	.000	.000	.000	.000	154.717	.000	60.340	94.377	885.211
12-16	129.148	.000	.000	.000	.000	129.148	.000	50.368	78.780	917.515
12-17	107.426	.000	.000	.000	.000	107.426	.000	41.896	65.530	942.395
12-18	88.981	.000	.000	.000	.000	88.981	.000	34.703	54.278	961.477
12-19	73.312	.000	.000	.000	.000	73.312	.000	28.592	44.720	976.034
12-20	60.011	.000	.000	.000	.000	60.011	.000	23.404	36.607	987.067
12-21	48.715	.000	.000	.000	.000	48.715	.000	18.999	29.716	995.360
12-22	39.131	.000	.000	.000	.000	39.131	.000	15.261	23.870	1001.528
12-23	30.978	.000	.000	.000	.000	30.978	.000	12.081	18.897	1006.049
12-24	24.074	.000	.000	.000	.000	24.074	.000	9.389	14.685	1009.302
12-25	18.206	.000	.000	.000	.000	18.206	.000	7.100	11.106	1011.580
12-26	13.229	.000	.000	.000	.000	13.229	.000	5.159	8.070	1013.113
12-27	9.000	.000	.000	.000	.000	9.000	.000	3.510	5.490	1014.079
12-28	5.415	.000	.000	.000	.000	5.415	.000	2.112	3.303	1014.617
12-29	2.374	.000	.000	.000	.000	2.374	.000	.926	1.448	1014.835
S TOT	3761.342	157.837	.000	490.668	.000	3112.837	.000	1214.008	1898.829	1014.835
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	1014.835
TOTAL	3761.342	157.837	.000	490.668	.000	3112.837	.000	1214.008	1898.829	1014.835

BTAX RATE OF RETURN (PCT)	44.34	ATAX RATE OF RETURN (PCT)	39.08
BTAX PAYOUT	05/27/2007	ATAX PAYOUT	06/30/2007
BTAX PAYOUT (DISC)	09/09/2007	ATAX PAYOUT (DISC)	11/06/2007
BTAX NET INCOME/INVEST	5.80	ATAX NET INCOME/INVEST	3.93
BTAX NET INCOME/INVEST (DISC)	3.51	ATAX NET INCOME/INVEST (DISC)	2.51
PRODUCTION START DATE	8/01/04	PROJECT LIFE (YEARS)	26.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	828.107
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	828.107
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	3112.837	1898.829
2.0	2647.694	1610.510
5.0	2103.963	1272.424
8.0	1691.421	1014.835
10.0	1468.989	875.425
12.0	1278.810	755.840
15.0	1040.872	605.605
18.0	846.616	482.293
20.0	735.988	411.734
25.0	509.104	266.052
30.0	334.107	152.512
35.0	195.066	61.299
40.0	61.812	-13.853
45.0	-12.420	-77.119
50.0	-92.262	-131.377
60.0	-220.977	-220.409
70.0	-321.292	-291.485
80.0	-402.743	-350.548
90.0	-471.058	-401.190
100.0	-529.869	-445.685

Property 4914
COMM RU 375 FTC
31 N - 5 W SEC 24 NE SW



ROSA UNIT #375
FRUITLAND COAL

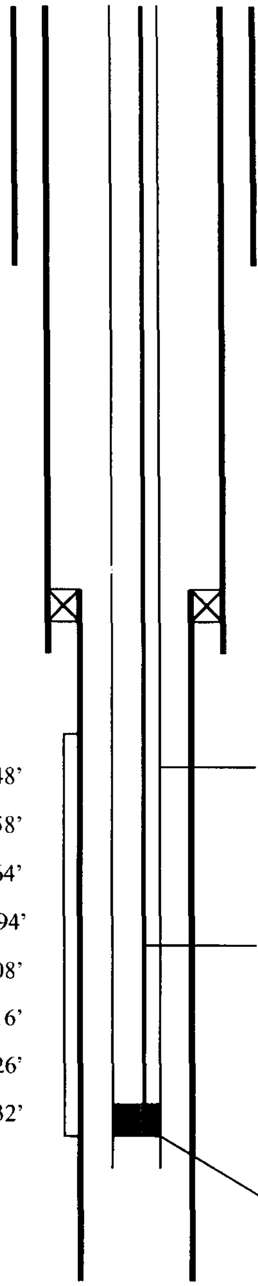
Location:
1675' FSL and 1875' FWL
NE/4 SW/4 Sec 24(K), T31N, R05W
Rio Arriba, New Mexico

Elevation: 6596' GR
API # 30-039-26948
KB = 9'

Top	Depth
Ojo Alamo	2790'
Kirtland	2919'
Fruitland	3225'
Pictured Cliffs	3449'

PUMPING UNIT
CHURCHILL B80-119-64

Spud 07/01/04
Completed 09/14/04
1st Delivery 10/1/04
Pump install: 5/9/06



6 jts 9-5/8", 36#, K-55, ST&C @ 275'

73 jts 7", 20#, J-55, ST&C csg @ 3332'

Liner top @ 3262' (TIW H Latch)

107 jts 2-7/8", 6.5#, J-55, 8-EUE tbg w/chemical inj. line on outside. Landed @ 3434' as follows: Mud anchor, 2.28" F-Nipple @ 3406', 106 jts, 2' pup jt, 1 jt.

3 1-1/4" sinker bars, 132 3/4" rods, 8' pony rod, 1-1/4" 22' polished rod w/ 1-1/2" x 10' pr liner.

Pre-Perf Liner
4 SPF, 712 holes

3346' - 3348'
3350' - 3358'
3362' - 3364'
3392' – 3394'
3402' - 3408'
3412' - 3416'
3420' - 3426'
3428' - 3432'

4 jts 5-1/2", 17#, N-80, LT&C pre-perf'd liner @ 3262' - 3441' as follows: LA set shoe, 4 jts pre perf'd liner, TIW H-Latch.

Open hole from 6-1/4" to 9-1/2"
from 3337' to 3430'

21/2" x 11/4" x 8' x 8.3' x 12/3' RHACZ Pump w/ dip tube (Energy Pump).

PBTD @ 3436'
TD @ 3534'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	194 sx	274 cu.ft.	Surface
8-3/4"	7", 20#	675 sx	1363 cu.ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

MC 05-23-06

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-2 TULSA, OK 74101		[2] OGRID Number 120782 [3] Reason for Filing Code/ Effective Date NW
[4] API Number 30 – 039-26948	[5] Pool Name BASIN FRUITLAND COAL	[6] Pool Code 71629
[7] Property Code 17033	[8] Property Name ROSA UNIT	[9] Well Number 375

II. [10] Surface Location

UI or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	24	31N	5W		1675	SOUTH	1875	WEST	RIO ARRIBA

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES ATTN: VAN JOHNSON P O BOX 645 TULSA, OK 74102		G	

OCT 2006

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
	Form 3160-4 Compl Rpt filed 10/4/04

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, MC
07/01/04	09/14/04	3534'		3346' – 3432'	

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement
12-1/4"	9-5/8", 36#, K-55	275'	194
8-3/4"	7", 20#, J-55	3335'	675
6-1/4"	5-1/2", 17#, N-80	3441'	0
	2-7/8", 6.5#, J-55	3433'	

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
	10/1/04				Well on vacuum No flow
[41] Choke Size	**[42] Oil**	**[43] Water**	**[44] Gas**	**[45] AOF**	**[46] Test Method**

[47] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: Tracy Ross	10/19/06 OIL CONSERVATION DIVISION Approved by: Charlie Perrin 10-20-06
Printed name: TRACY ROSS	Title: SUPERVISOR DISTRICT # 3
Title: SR. PRODUCTION ANALYST	Approval Date: OCT 19 2006
Date: 09/30/04 Phone: 918-573-6254	

h

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

2004 OCT 12 PM 1 25

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

070 FARMINGTON NM

5. LEASE DESIGNATION AND LEASE NO.: SF-078768

6. IF INDIAN,ALLOTTEE OR

7. UNIT AGREEMENT NAME

1a. TYPE OF WELL: OIL WELL   X GAS WELL   DRY   OTHER

b. TYPE OF COMPLETION: X NEW WELL   WORKOVER   DEEPEN   PLUG BACK   DIFF.RESVR.   OTHER

2. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.: ROSA UNIT #375

3. ADDRESS AND TELEPHONE NO.: P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.: 30-039-26948

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1675' FSL & 1875' FWL
At top production interval reported below :
At total depth:

10. FIELD AND POOL, OR WILDCAT: BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA: NE/4 SW/4 SEC 24-31N-5W

OCT 2004 RECEIVED OIL CONS. DIV. DIST. 3

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR: RIO ARRIBA

13. STATE: NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*		19. ELEVATION CASINGHEAD	
07/01/2004	07/15/2004	09/14/2004	6596' GR			
20. TOTAL DEPTH, MD & TVD		**21. PLUG, BACK T.D., MD & TVD**	**22. IF MULTCOMP., HOW MANY**	**23. INTERVALS DRILLED BY**	**ROTARY TOOLS**	**CABLE TOOLS**
3534' MD					X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*: BASIN FRUITLAND COAL 3346' – 3432'

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN: NONE

27. WAS WELL CORED: NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8", K-55	36#	275'	12-1/4"	194 SX - SURFACE	
7", J-55	20#	~~3355'~~ 3324	8-3/4"	675 SX – SURFACE	

29. LINER RECORD / 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	3262'	3441'	0 SX		2-7/8", J-55, 6.5#	3433'	

31. PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal: 3346'-48', 3350'-58', 3262'-64', 3392'-94', 3402'-08', 3412'-16', 3420'-26' & 3428'-32'. Total of 712, 0.53" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
		SI, well on vacuum, no flow

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL.	GAS-OIL RATIO

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS – MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)

ACCEPTED FOR RECORD
OCT 14 2004
FARMINGTON FIELD OFFICE
BY [illegible]

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, [redacted]

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross   TITLE Sr. Production Analyst   DATE September 30, 2004

NMOCD

<u>The Rosa Unit #376 Fruitland Coal Well (commercial) is</u> located 2120 feet from the North Line and 1835 feet from the East Line, Section 25, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 1, 2005, and completed in the Fruitland Coal formation on August 22, 2005. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 3230' to 3290'. This well has a 2 7/8" tubing string. This well was shut in with a SICP of 990 psig. On September 2, 2005 the well was tested and after flowing for three hours through a ¾" choke on the 2 7/8" tubing, the well gauged 344 MCFD.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 97% and is therefore determined commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- State of NM Form C-105

Evaluating Engineer

Robert L. Goodwin III 4-15-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

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117 CASE NONE
CASE NAME: COMM RU 376 FTC
120 01 2004 12 1 01 2005 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	1200.00	1.000	GAS	9/01/2005

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

		WATER	GAS
305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	1.	.000	.000
315	3.	5730.000	20284.000
316	3.	3280.000	19159.000
317	3.	4480.000	24487.000
318	3.	3845.000	28512.000
319	3.	4560.000	30216.000
320	3.	5950.000	36355.000
321	3.	4735.000	40434.000
322	3.	4320.000	42534.000
323	3.	3070.000	45528.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.937	452.642	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.937	452.642	388.857	7.000	YRS	D	747.346	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	388.857	1.317	42.000	YRS	D	1617.719	MMCF
420	WATER	EXP		8.054	33.903	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	33.903	2.205	36.546	YRS	D	177.757	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 : CASE $ARR17_OP_POV_APR07
629 : CASE $AREA17
630 : EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 : SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 : SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 : SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 : SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 : WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 : MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 : DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 : EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 : CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 : SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 : SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 : AFE=WT2588 AFE COST
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	49.976	244.293	.000		
803 : AFE=WT2588 AFE COST									
803	COMP	-2.000	MOS	G	112.958	282.475	.000		

850 NOLOSS = ON

```
ECONOMIC LIFE  (YRS):      29.000
GROSS GAS     (MMCF):    1599.888
GROSS WATER     (MU):     170.735
```

DATE: 04/03/08
TIME: 12:29:09
FILE:
PROP: 4915
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF JANUARY 1, 2005

-END- MO-YR	----GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	-----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	---PRICES--- OIL $/B	GAS $/M	NO. OF WELLS	---OPERATIONS, M$--- OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-05	.000	20.284	.000	17.160	.00	7.85	1.0	.000	134.789	.000	134.789
12-06	.000	102.374	.000	86.608	.00	6.06	1.0	.000	524.820	.000	524.820
12-07	.000	164.851	.000	139.464	.00	6.68	1.0	.000	931.213	.000	931.213
12-08	.000	161.102	.000	136.292	.00	6.68	1.0	.000	910.034	.000	910.034
12-09	.000	153.148	.000	129.563	.00	6.68	1.0	.000	865.103	.000	865.103
12-10	.000	145.587	.000	123.167	.00	6.68	1.0	.000	822.397	.000	822.397
12-11	.000	130.999	.000	110.825	.00	6.68	1.0	.000	739.988	.000	739.988
12-12	.000	111.350	.000	94.202	.00	6.68	1.0	.000	628.995	.000	628.995
12-13	.000	94.647	.000	80.071	.00	6.68	1.0	.000	534.641	.000	534.641
12-14	.000	80.450	.000	68.061	.00	6.68	1.0	.000	454.449	.000	454.449
12-15	.000	68.382	.000	57.851	.00	6.68	1.0	.000	386.276	.000	386.276
12-16	.000	58.126	.000	49.175	.00	6.68	1.0	.000	328.346	.000	328.346
12-17	.000	49.406	.000	41.797	.00	6.68	1.0	.000	279.082	.000	279.082
12-18	.000	41.995	.000	35.528	.00	6.68	1.0	.000	237.224	.000	237.224
12-19	.000	35.697	.000	30.200	.00	6.68	1.0	.000	201.648	.000	201.648
12-20	.000	30.341	.000	25.668	.00	6.68	1.0	.000	171.387	.000	171.387
12-21	.000	25.791	.000	21.819	.00	6.68	1.0	.000	145.687	.000	145.687
12-22	.000	21.922	.000	18.546	.00	6.68	1.0	.000	123.833	.000	123.833
12-23	.000	18.633	.000	15.764	.00	6.68	1.0	.000	105.258	.000	105.258
12-24	.000	15.839	.000	13.400	.00	6.68	1.0	.000	89.473	.000	89.473
12-25	.000	13.463	.000	11.390	.00	6.68	1.0	.000	76.052	.000	76.052
12-26	.000	11.443	.000	9.681	.00	6.68	1.0	.000	64.641	.000	64.641
12-27	.000	9.727	.000	8.229	.00	6.68	1.0	.000	54.946	.000	54.946
12-28	.000	8.268	.000	6.995	.00	6.68	1.0	.000	46.706	.000	46.706
12-29	.000	7.027	.000	5.945	.00	6.68	1.0	.000	39.695	.000	39.695
12-30	.000	5.974	.000	5.054	.00	6.68	1.0	.000	33.746	.000	33.746
12-31	.000	5.077	.000	4.295	.00	6.68	1.0	.000	28.678	.000	28.678
12-32	.000	4.316	.000	3.651	.00	6.68	1.0	.000	24.378	.000	24.378
12-33	.000	3.669	.000	3.104	.00	6.68	1.0	.000	20.726	.000	20.726
S TOT	.000	1599.888	.000	1353.505	.00	6.65	1.0	.000	9004.211	.000	9004.211
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	1599.888	.000	1353.505	.00	6.65	1.0	.000	9004.211	.000	9004.211

-END- MO-YR	---OPERATIONS, M$--- SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	---CAPITAL COSTS, M$--- TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-05	12.131	1.227	18.552	102.879	162.934	526.768	.000	.000	-586.823	-567.178
12-06	47.234	4.776	53.196	419.614	.000	.000	.000	.000	419.614	-193.313
12-07	83.809	8.474	57.780	781.150	.000	.000	.000	.000	781.150	451.116
12-08	81.903	8.281	42.886	776.964	.000	.000	.000	.000	776.964	1044.612
12-09	77.859	7.872	40.594	738.778	.000	.000	.000	.000	738.778	1567.137
12-10	74.016	7.484	38.482	702.415	.000	.000	.000	.000	702.415	2027.143
12-11	66.599	6.734	36.542	630.113	.000	.000	.000	.000	630.113	2409.232
12-12	56.610	5.724	34.759	531.902	.000	.000	.000	.000	531.902	2707.876
12-13	48.118	4.865	33.120	448.538	.000	.000	.000	.000	448.538	2941.059
12-14	40.900	4.135	31.613	377.801	.000	.000	.000	.000	377.801	3122.919
12-15	34.765	3.515	30.226	317.770	.000	.000	.000	.000	317.770	3264.552
12-16	29.551	2.988	28.951	266.856	.000	.000	.000	.000	266.856	3374.682
12-17	25.117	2.540	27.780	223.645	.000	.000	.000	.000	223.645	3460.142
12-18	21.350	2.159	26.700	187.015	.000	.000	.000	.000	187.015	3526.311
12-19	18.148	1.835	25.711	155.954	.000	.000	.000	.000	155.954	3577.403
12-20	15.425	1.560	24.802	129.600	.000	.000	.000	.000	129.600	3616.716
12-21	13.112	1.326	23.962	107.287	.000	.000	.000	.000	107.287	3646.850
12-22	11.145	1.127	23.191	88.370	.000	.000	.000	.000	88.370	3669.832
12-23	9.473	.958	22.486	72.341	.000	.000	.000	.000	72.341	3687.252
12-24	8.053	.814	21.833	58.773	.000	.000	.000	.000	58.773	3700.356
12-25	6.845	.692	21.233	47.282	.000	.000	.000	.000	47.282	3710.117
12-26	5.818	.588	20.686	37.549	.000	.000	.000	.000	37.549	3717.295
12-27	4.945	.500	20.177	29.324	.000	.000	.000	.000	29.324	3722.485
12-28	4.204	.425	19.714	22.363	.000	.000	.000	.000	22.363	3726.150
12-29	3.573	.361	19.284	16.477	.000	.000	.000	.000	16.477	3728.650
12-30	3.037	.307	18.890	11.512	.000	.000	.000	.000	11.512	3730.268
12-31	2.581	.261	18.530	7.306	.000	.000	.000	.000	7.306	3731.218
12-32	2.194	.222	18.197	3.765	.000	.000	.000	.000	3.765	3731.672
12-33	1.865	.189	17.890	.782	.000	.000	.000	.000	.782	3731.759
S TOT	810.380	81.939	817.767	7294.125	162.934	526.768	.000	.000	6604.423	3731.759
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	3731.759
TOTAL	810.380	81.939	817.767	7294.125	162.934	526.768	.000	.000	6604.423	3731.759

DATE: 04/03/08
TIME: 12:29:09
FILE:
PROF: 4915
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

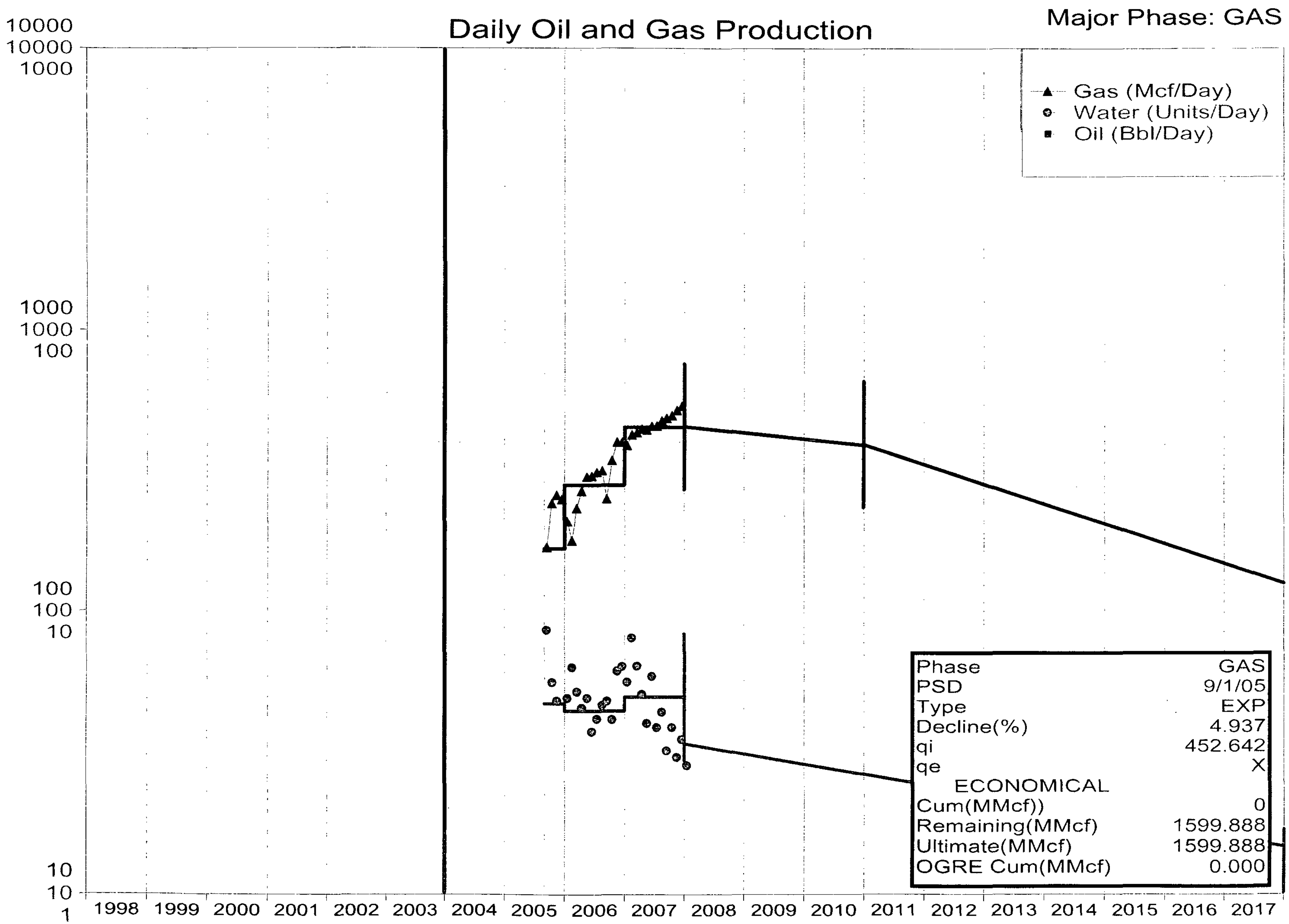
A F T E R   T A X   E C O N O M I C S

AS OF JANUARY 1, 2005

-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-05	102.879	23.276	.000	526.768	.000	-447.165	.000	-174.294	-412.429	-403.617
12-06	419.614	39.902	.000	.000	.000	379.712	.000	148.088	271.526	-161.695
12-07	781.150	28.502	.000	.000	.000	752.648	.000	293.533	487.617	240.577
12-08	776.964	20.358	.000	.000	.000	756.606	.000	295.076	481.888	608.675
12-09	738.778	14.542	.000	.000	.000	724.236	.000	282.452	456.326	931.427
12-10	702.415	14.542	.000	.000	.000	687.873	.000	268.270	434.145	1215.745
12-11	630.113	14.541	.000	.000	.000	615.572	.000	240.073	390.040	1452.258
12-12	531.902	7.271	.000	.000	.000	524.631	.000	204.606	327.296	1636.023
12-13	448.538	.000	.000	.000	.000	448.538	.000	174.930	273.608	1778.265
12-14	377.801	.000	.000	.000	.000	377.801	.000	147.342	230.459	1889.200
12-15	317.770	.000	.000	.000	.000	317.770	.000	123.930	193.840	1975.596
12-16	266.856	.000	.000	.000	.000	266.856	.000	104.074	162.782	2042.775
12-17	223.645	.000	.000	.000	.000	223.645	.000	87.222	136.423	2094.905
12-18	187.015	.000	.000	.000	.000	187.015	.000	72.936	114.079	2135.268
12-19	155.954	.000	.000	.000	.000	155.954	.000	60.822	95.132	2166.434
12-20	129.600	.000	.000	.000	.000	129.600	.000	50.544	79.056	2190.415
12-21	107.287	.000	.000	.000	.000	107.287	.000	41.842	65.445	2208.797
12-22	88.370	.000	.000	.000	.000	88.370	.000	34.464	53.906	2222.816
12-23	72.341	.000	.000	.000	.000	72.341	.000	28.213	44.128	2233.442
12-24	58.773	.000	.000	.000	.000	58.773	.000	22.921	35.852	2241.436
12-25	47.282	.000	.000	.000	.000	47.282	.000	18.440	28.842	2247.390
12-26	37.549	.000	.000	.000	.000	37.549	.000	14.644	22.905	2251.768
12-27	29.324	.000	.000	.000	.000	29.324	.000	11.436	17.888	2254.934
12-28	22.363	.000	.000	.000	.000	22.363	.000	8.722	13.641	2257.170
12-29	16.477	.000	.000	.000	.000	16.477	.000	6.426	10.051	2258.695
12-30	11.512	.000	.000	.000	.000	11.512	.000	4.490	7.022	2259.682
12-31	7.306	.000	.000	.000	.000	7.306	.000	2.849	4.457	2260.262
12-32	3.765	.000	.000	.000	.000	3.765	.000	1.468	2.297	2260.539
12-33	.782	.000	.000	.000	.000	.782	.000	.305	.477	2260.592
S TOT	7294.125	162.934	.000	526.768	.000	6604.423	.000	2575.724	4028.699	2260.592
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	2260.592
TOTAL	7294.125	162.934	.000	526.768	.000	6604.423	.000	2575.724	4028.699	2260.592

				----PRESENT WORTH PROFILE-----		
				DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
BTAX RATE OF RETURN (PCT)	97.24	ATAX RATE OF RETURN (PCT)	81.72			
BTAX PAYOUT	03/18/2007	ATAX PAYOUT	04/15/2007			
BTAX PAYOUT (DISC)	04/19/2007	ATAX PAYOUT (DISC)	05/26/2007			
BTAX NET INCOME/INVEST	10.58	ATAX NET INCOME/INVEST	6.84	.0	6604.423	4028.699
BTAX NET INCOME/INVEST (DISC)	6.62	ATAX NET INCOME/INVEST (DISC)	4.41	2.0	5647.881	3440.677
				5.0	4549.318	2764.535
PRODUCTION START DATE	9/01/05	PROJECT LIFE (YEARS)	29.00	8.0	3731.759	2260.592
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00	10.0	3297.560	1992.609
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000	12.0	2930.527	1765.855
		PRIOR DEPR. BASIS (M$)	.000	15.0	2477.671	1485.740
				18.0	2114.179	1260.573
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85	20.0	1910.177	1134.054
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00	25.0	1500.279	879.433
				30.0	1194.091	688.813
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000	35.0	959.116	542.218
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	1599.888	40.0	774.757	426.970
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	1599.888	45.0	627.429	334.694
				50.0	507.844	259.664
				60.0	327.641	146.322
				70.0	200.549	66.156
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000	80.0	107.864	7.550
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000	90.0	38.458	-36.421
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000	100.0	-14.625	-70.106

Property 4915
COMM RU 376 FTC
31 N - 5 W SEC 10 NENE



Phase	GAS
PSD	9/1/05
Type	EXP
Decline(%)	4.937
qi	452.642
qe	X
ECONOMICAL	
Cum(MMcf))	0
Remaining(MMcf)	1599.888
Ultimate(MMcf)	1599.888
OGRE Cum(MMcf)	0.000

ROSA UNIT #376 COM
BASIN FRUITLAND COAL

Spud 07/01/05

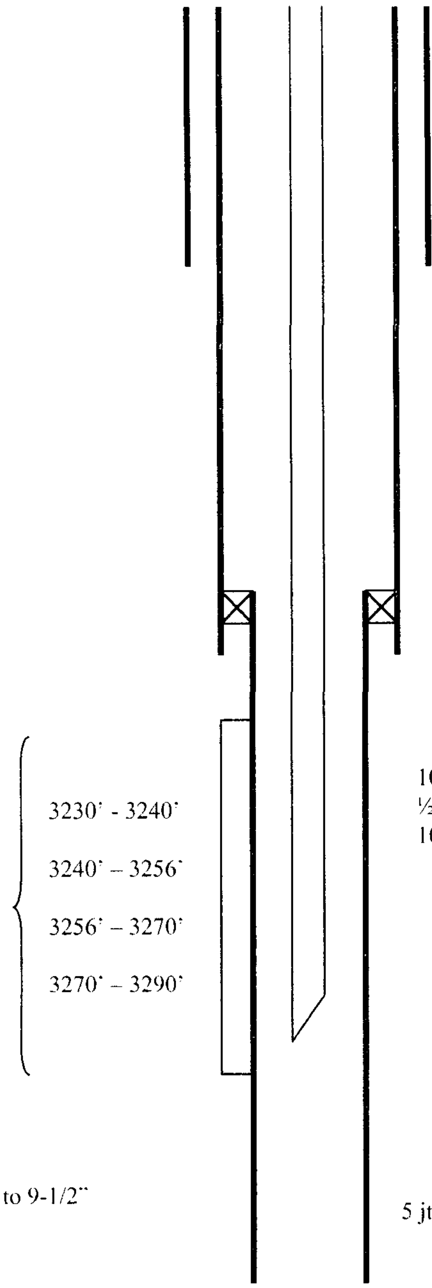
Completed 08/22/05

1st Delivery 09/02/05

<u>Location:</u>
2120' FNL and 1835' FEL
SW/4 NE/4 Sec 25(G), T31N, R05W
Rio Arriba, New Mexico

Elevation: 6464' GR
API # 30-039-27834

Top	Depth
Ojo Alamo	2692'
Kirtland	2802'
Fruitland	3132'
Pictured Cliffs	3295'



8 jts 9-5/8", 36#, K-55, ST&C @ 336'

83 jts 7", 23#, K-55, LT&C @ 3200'.

Liner top @ 3150'

101 jts 2-7/8", 6.5#, J-55 tbg @ 3316' as follows:
½" mule shoe, 1 jt tbg, 2.28" "F" Nipple @ 3283',
100 jts tbg.

0.48". 4 SPF
240 holes total

3230' - 3240'
3240' – 3256'
3256' – 3270'
3270' – 3290'

Open hole from 6-1/4" to 9-1/2"
from 3200' to 3397'

5 jts 5-1/2", 17#, N-80 @ 3150' - 3386'

TD @ 3397'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	166 sx	234 cu. ft.	Surface
8-3/4"	7", 23#	550 sx	1125 cu. ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

TR 01-23-07

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-1 TULSA, OK 74101	2 OGRID Number 120782 3 Reason for Filing Code/ Effective Date NW

4 API Number	5 Pool Name	6 Pool Code
30 – 039-27834	BASIN FRUITLAND COAL	71629
7 Property Code	8 Property Name	9 Well Number
17033	ROSA UNIT	376

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
G	25	31N	5W		2120	NORTH	1835	EAST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	

MAY 2006
RECEIVED
OIL CONS. DIV.
DIST.

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-105
Revised March 25, 1999

WELL API NO. 30-039-27834

5. Indicate Type of Lease: STATE ☒ FEE ☐

State Oil & Gas Lease No. E-346

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ______

b. Type of Completion: NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER Re-enter

7. Lease Name or Unit Agreement Name: ROSA UNIT

2. Name of Operator: WILLIAMS PRODUCTION COMPANY

8. Well No. 376

3. Address of Operator: P O BOX 3102, MS 25-1 TULSA, OK 74101

9. Pool name or Wildcat: BASIN FRUITLAND COAL

4. Well Location

Unit Letter G : 2120 Feet From The NORTH Line and 1835 Feet From The EAST Line

Section 25 Township 31N Range 05W NMPM RIO ARRIBA County

10. Date Spudded	10. Date T.D. Reached	11. Date Compl. (Ready to Prod.)	12. Elevations (DF& R(B. RT, GR, etc.)	13. Elev. Casinghead
07/01/05	07/26/05	08/22/05	6464' GR	

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
3397'				X	

19. Producing Interval(s), of this completion - Top, Bottom, Name: Basin Fruitland Coal 3230' – 3290'

20. Was Directional Survey Made

21. Type Electric and Other Logs Run

22. Was Well Cored

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8", K-55	36#	336'	12 ¼"	166 sx	
7", K-55	23#	3200'	8 ¾"	550 sx	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
5 ½",17#,N-80	3150'	3386'	Did not cmt	

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8", 6.5#,J-55	3316'	

26. Perforation record (interval, size, and number)

Fruitland Coal: 3230' - 40', 3040' – 56', 3256' – 70' and 3270'-90'. (240, 0.48" Total Holes).

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	No acid, no frac

28 PRODUCTION

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*
9/2/05	Flowing	Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
09/02/05	3 hrs	¾"			344		

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas – MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*
205	990					

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)* To be sold

Test Witnessed By Mark Lepich

30. List Attachments

31 *I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief*

Signature Tracy Ross Printed Name TRACY ROSS Title Sr. Production Analyst Date 05/19/06

96

The Rosa Unit #376A Fruitland Coal Well (commercial) is located 1970 feet from the North Line and 690 feet from the West Line, Section 25, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 13, 2006, and completed in the Fruitland Coal formation on October 22, 2006. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 3170' to 3260'. This well has a 2 7/8" tubing string. On November 1, 2006 the well was tested, while producing with a CP of 300 psig, and after flowing for three hours through a ¾" choke on the 2 7/8" tubing string, the well gauged 336 MCFD.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 100% and is therefore determined commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III 4-15-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

117 CASE NONE
CASE NAME: COMM RU 376A FTC
120 01 2005 12 11 30 2005 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	4200.00	1.000	GAS	11/03/2006

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	0.	.000	.000
315	3.	.000	42039.000
316	3.	.000	55152.000
317	3.	960.000	64192.000
318	3.	1520.000	61513.000
319	3.	1200.000	56060.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.937	615.138	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.937	615.138	528.454	6.089	YRS	D	903.872	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	528.454	1.789	41.089	YRS	D	2086.704	MMCF
420	WATER	EXP		8.054	16.893	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	16.893	1.003	36.718	YRS	D	72.751	M-UNITS

600 SERIES LINES:

602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 : CASE $ARR17_OP_POV_APR07
629 : CASE $AREA17
630 : EST. GATHERING PER WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 : SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 : SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 : SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 : SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 : WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 : MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 : DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 : EST. FLU PER WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 : CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 : SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 : SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FLAU * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 : AFE=WT829 ACTUAL COST

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	60.883	345.004	.000		
803 : AFE=WT829 ACTUAL COST									
803	COMP	-2.000	MOS	G	241.095	447.749	.000		

850 NOLOSS = ON

ECONOMIC LIFE (YRS): 23.000
GROSS GAS (MMCF): 2026.126
GROSS WATER (MU): 64.426

DATE: 04/01/08
TIME: 10:48:19
FILE:
PROP: 4946
STID: COMMSGB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF NOVEMBER 30, 2005

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			----------------OPERATIONS, M$--------------			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-06	.000	27.103	.000	22.929	.00	6.06	1.0	.000	138.943	.000	138.943
12-07	.000	231.935	.000	196.217	.00	6.68	1.0	.000	1310.158	.000	1310.158
12-08	.000	219.853	.000	185.996	.00	6.68	1.0	.000	1241.911	.000	1241.911
12-09	.000	209.066	.000	176.870	.00	6.68	1.0	.000	1180.976	.000	1180.976
12-10	.000	198.743	.000	168.137	.00	6.68	1.0	.000	1122.665	.000	1122.665
12-11	.000	180.531	.000	152.729	.00	6.68	1.0	.000	1019.785	.000	1019.785
12-12	.000	153.523	.000	129.880	.00	6.68	1.0	.000	867.220	.000	867.220
12-13	.000	130.496	.000	110.400	.00	6.68	1.0	.000	737.150	.000	737.150
12-14	.000	110.920	.000	93.838	.00	6.68	1.0	.000	626.564	.000	626.564
12-15	.000	94.283	.000	79.763	.00	6.68	1.0	.000	532.584	.000	532.584
12-16	.000	80.141	.000	67.799	.00	6.68	1.0	.000	452.700	.000	452.700
12-17	.000	68.119	.000	57.629	.00	6.68	1.0	.000	384.794	.000	384.794
12-18	.000	57.901	.000	48.984	.00	6.68	1.0	.000	327.070	.000	327.070
12-19	.000	49.216	.000	41.637	.00	6.68	1.0	.000	278.014	.000	278.014
12-20	.000	41.834	.000	35.392	.00	6.68	1.0	.000	236.315	.000	236.315
12-21	.000	35.559	.000	30.083	.00	6.68	1.0	.000	200.867	.000	200.867
12-22	.000	30.225	.000	25.570	.00	6.68	1.0	.000	170.733	.000	170.733
12-23	.000	25.691	.000	21.735	.00	6.68	1.0	.000	145.126	.000	145.126
12-24	.000	21.837	.000	18.474	.00	6.68	1.0	.000	123.353	.000	123.353
12-25	.000	18.562	.000	15.703	.00	6.68	1.0	.000	104.850	.000	104.850
12-26	.000	15.778	.000	13.348	.00	6.68	1.0	.000	89.126	.000	89.126
12-27	.000	13.411	.000	11.346	.00	6.68	1.0	.000	75.758	.000	75.758
12-28	.000	11.399	.000	9.644	.00	6.68	1.0	.000	64.394	.000	64.394
S TOT	.000	2026.126	.000	1714.103	.00	6.67	1.0	.000	11431.056	.000	11431.056
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	2026.126	.000	1714.103	.00	6.67	1.0	.000	11431.056	.000	11431.056

-END-	----------------OPERATIONS, M$----------------				------------CAPITAL COSTS, M$------------					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-06	12.505	1.264	8.124	117.050	301.978	792.753	.000	.000	-977.681	-924.263
12-07	117.914	11.922	58.210	1122.112	.000	.000	.000	.000	1122.112	68.820
12-08	111.772	11.301	64.404	1054.434	.000	.000	.000	.000	1054.434	932.882
12-09	106.288	10.747	63.547	1000.394	.000	.000	.000	.000	1000.394	1691.936
12-10	101.040	10.216	62.491	948.918	.000	.000	.000	.000	948.918	2358.600
12-11	91.781	9.280	61.514	857.210	.000	.000	.000	.000	857.210	2916.224
12-12	78.050	7.892	60.622	720.656	.000	.000	.000	.000	720.656	3350.293
12-13	66.344	6.708	59.796	604.302	.000	.000	.000	.000	604.302	3687.317
12-14	56.391	5.702	59.042	505.429	.000	.000	.000	.000	505.429	3948.319
12-15	47.933	4.847	58.344	421.460	.000	.000	.000	.000	421.460	4149.838
12-16	40.743	4.120	57.703	350.134	.000	.000	.000	.000	350.134	4304.852
12-17	34.631	3.502	57.118	289.543	.000	.000	.000	.000	289.543	4423.545
12-18	29.436	2.976	56.575	238.083	.000	.000	.000	.000	238.083	4513.913
12-19	25.021	2.530	56.078	194.385	.000	.000	.000	.000	194.385	4582.230
12-20	21.268	2.150	55.620	157.277	.000	.000	.000	.000	157.277	4633.411
12-21	18.078	1.828	55.200	125.761	.000	.000	.000	.000	125.761	4671.304
12-22	15.366	1.554	54.816	98.997	.000	.000	.000	.000	98.997	4698.923
12-23	13.061	1.321	54.456	76.288	.000	.000	.000	.000	76.288	4718.630
12-24	11.102	1.123	54.132	56.996	.000	.000	.000	.000	56.996	4732.263
12-25	9.437	.954	53.832	40.627	.000	.000	.000	.000	40.627	4741.261
12-26	8.021	.811	53.554	26.740	.000	.000	.000	.000	26.740	4746.745
12-27	6.818	.689	53.302	14.949	.000	.000	.000	.000	14.949	4749.583
12-28	5.795	.586	53.066	4.947	.000	.000	.000	.000	4.947	4750.453
S TOT	1028.795	104.023	1271.546	9026.692	301.978	792.753	.000	.000	7931.961	4750.453
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	4750.453
TOTAL	1028.795	104.023	1271.546	9026.692	301.978	792.753	.000	.000	7931.961	4750.453

DATE: 04/01/08
TIME: 10:48:19
FILE:
PROP: 4946
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF NOVEMBER 30, 2005

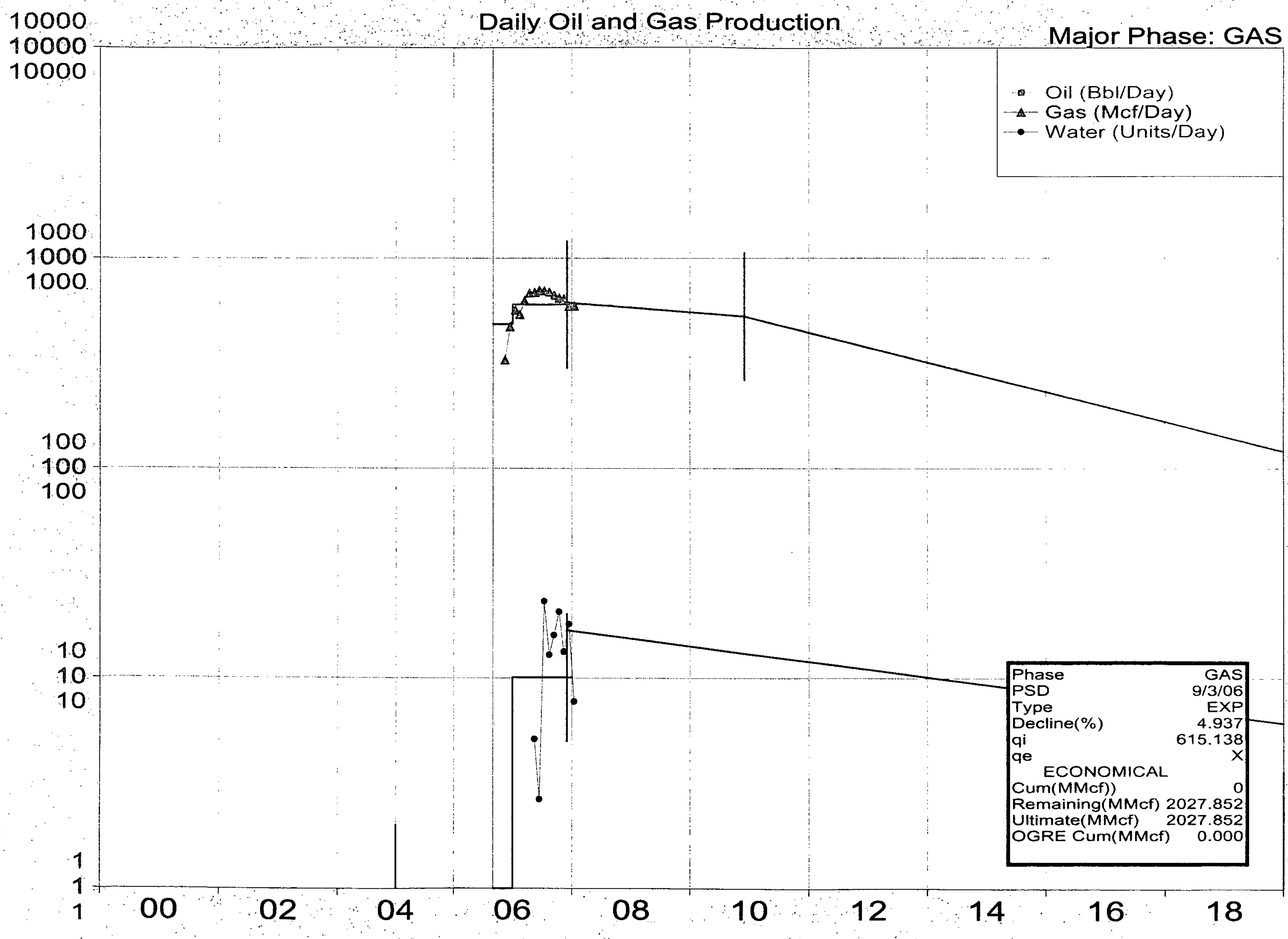
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-06	117.050	28.287	.000	792.753	.000	-703.990	.000	-274.556	-703.125	-670.174
12-07	1122.112	78.197	.000	.000	.000	1043.915	.000	407.127	714.985	-37.403
12-08	1054.434	55.856	.000	.000	.000	998.578	.000	389.445	664.989	507.526
12-09	1000.394	39.896	.000	.000	.000	960.498	.000	374.594	625.800	982.355
12-10	948.918	28.498	.000	.000	.000	920.420	.000	358.964	589.954	1396.828
12-11	857.210	26.662	.000	.000	.000	830.548	.000	323.914	533.296	1743.743
12-12	720.656	26.661	.000	.000	.000	693.995	.000	270.658	449.998	2014.788
12-13	604.302	17.921	.000	.000	.000	586.381	.000	228.689	375.613	2224.270
12-14	505.429	.000	.000	.000	.000	505.429	.000	197.117	308.312	2383.481
12-15	421.460	.000	.000	.000	.000	421.460	.000	164.369	257.091	2506.408
12-16	350.134	.000	.000	.000	.000	350.134	.000	136.552	213.582	2600.966
12-17	289.543	.000	.000	.000	.000	289.543	.000	112.922	176.621	2673.369
12-18	238.083	.000	.000	.000	.000	238.083	.000	92.852	145.231	2728.494
12-19	194.385	.000	.000	.000	.000	194.385	.000	75.810	118.575	2770.167
12-20	157.277	.000	.000	.000	.000	157.277	.000	61.338	95.939	2801.387
12-21	125.761	.000	.000	.000	.000	125.761	.000	49.047	76.714	2824.502
12-22	98.997	.000	.000	.000	.000	98.997	.000	38.609	60.388	2841.350
12-23	76.288	.000	.000	.000	.000	76.288	.000	29.752	46.536	2853.371
12-24	56.996	.000	.000	.000	.000	56.996	.000	22.228	34.768	2861.687
12-25	40.627	.000	.000	.000	.000	40.627	.000	15.845	24.782	2867.176
12-26	26.740	.000	.000	.000	.000	26.740	.000	10.429	16.311	2870.521
12-27	14.949	.000	.000	.000	.000	14.949	.000	5.830	9.119	2872.252
12-28	4.947	.000	.000	.000	.000	4.947	.000	1.929	3.018	2872.783
S TOT	9026.692	301.978	.000	792.753	.000	7931.961	.000	3093.464	4838.497	2872.783
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	2872.783
TOTAL	9026.692	301.978	.000	792.753	.000	7931.961	.000	3093.464	4838.497	2872.783

BTAX RATE OF RETURN (PCT)	100.00	ATAX RATE OF RETURN (PCT)	98.33
BTAX PAYOUT	11/14/2007	ATAX PAYOUT	12/25/2007
BTAX PAYOUT (DISC)	12/06/2007	ATAX PAYOUT (DISC)	01/26/2008
BTAX NET INCOME/INVEST	8.25	ATAX NET INCOME/INVEST	5.42
BTAX NET INCOME/INVEST (DISC)	5.60	ATAX NET INCOME/INVEST (DISC)	3.78
PRODUCTION START DATE	11/03/06	PROJECT LIFE (YEARS)	23.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	6.68
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	2026.126
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	2026.126
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	7931.961	4838.497
2.0	6899.942	4201.618
5.0	5681.906	3449.064
8.0	4750.453	2872.783
10.0	4246.361	2560.574
12.0	3814.843	2293.096
15.0	3275.219	1958.316
18.0	2835.973	1685.538
20.0	2586.922	1530.762
25.0	2080.587	1215.823
30.0	1696.724	976.832
35.0	1398.458	791.008
40.0	1161.919	643.592
45.0	971.096	524.658
50.0	814.894	427.321
60.0	576.973	279.177
70.0	407.005	173.548
80.0	281.690	95.887
90.0	186.955	37.400
100.0	113.885	-7.488

Property 4946
ROSA UNIT # 376A



ROSA UNIT COM #376A
BASIN FRUITLAND COAL

Spud 09/13/06

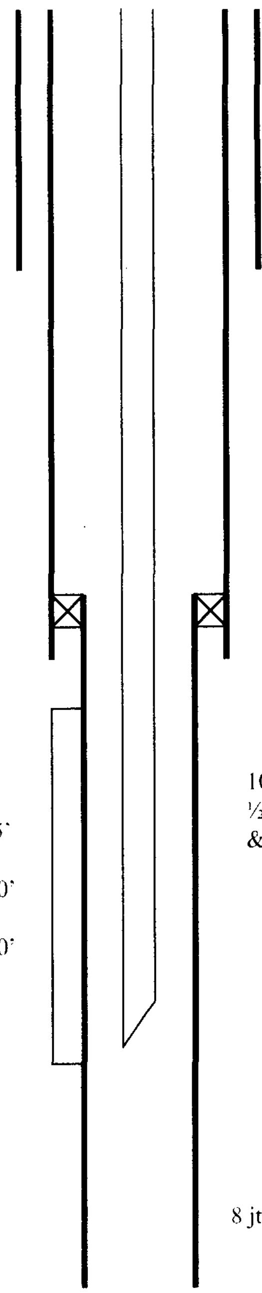
Completed 10/22/06

1st Delivery 11/03/06

Location:
1970' FNL and 690' FWL
SW/4 NW/4 Sec 25(E), T31N, R05W
Rio Arriba, New Mexico

Elevation: 6431' GR
API # 30-039-297051

Top	Depth
Ojo Alamo	2630'
Kirtland	2759'
Fruitland	3088'
Pictured Cliffs	3264'



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	190 sx	268 cu.ft.	Surface
8-3/4"	7", 23#	495 sx	935 cu.ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

TR 01-27-07

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised June 10, 2003

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

RCVD FEB2'07
OIL CONS. DIV
DIST. 3

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-2 TULSA, OK 74101	2 OGRID Number 120782 3 Reason for Filing Code/ Effective Date NW	
4 API Number 30 – 039-29705	5 Pool Name BASIN FRUITLAND COAL	6 Pool Code 71629
7 Property Code 17033	8 Property Name ROSA UNIT	9 Well Number 376A

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	25	31N	05W		1970'	NORTH	690'	WEST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO. NMSF-078768
6. IF INDIAN, ALLOTTEE OR
7. UNIT AGREEMENT NAME

RCVD FEB 7'07
OIL CONS. DIV.
DIST. 3

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

2007 FEB -1 AM 10:09

RECEIVED

1a. TYPE OF WELL: ☐ OIL WELL X GAS WELL DRY OTHER
b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF.RESVR. OTHER

2. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.: ROSA UNIT #376A

3. ADDRESS AND TELEPHONE NO.: P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.: 30-039-29705 -0051

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1970' FNL & 690' FWL
At top production interval reported below:
At total depth:

10. FIELD AND POOL, OR WILDCAT: BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA: SW/4 NW/4 SEC 25-T31N-R05W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	13. STATE
		RIO ARRIBA	NEW MEXICO

15. DATE SPUDDED	16. DATE T.D REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
09/13/06	09/25/06	10/22/06	6431' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3361' MD				x	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 3170' – 3260'

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN: NONE

27. WAS WELL CORED: NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" K-55	36#	336'	12-1/4"	190 SX - SURFACE	
7" K-55	23#	3158'	8-3/4"	495 SX – SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5 ½", N80, 17#	3031'	3361'	0 SX	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 ⅞", 6.5#, J55	3276'	

31. PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal: 3170' – 3185', (60 holes), 3200' – 3210' (40 holes) & 3230' – 3260' (120 holes) for a total of 220, 0.45" perforations.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
11/03/06	Flowing	Producing

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL.	GAS-OIL RATIO
11/01/06		½"	3 hrs		42		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL – BBL.	GAS – MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
15	300					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY: Mark Lepich

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE January 27, 2007

ACCEPTED FOR RECORD
FEB 05 2007
FARMINGTON FIELD OFFICE
BY TL Salyers

NMOCD 2/8

The Rosa Unit # 383 Fruitland Coal Well (Commercial) is located 1045 feet from the South Line and 1110 feet from the East Line, Section 29, Township 31 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on May 26, 2006, and completed in the Fruitland Coal formation on August 21, 2006. This well was completed in the open hole and a perforated liner (3325' to 3490') was hung off. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 45 psig. In August, 2006, the well was tested after flowing for three hours on the tubing, the well gauged 104 Mcfd. Current flow rate on this well is between 250 and 300Mcfd.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 56% and is therefore determined commercial.

Attached to this document are the following:
* OGRE economic model output including gas price assumptions
* Historic production plot with forecast
* Well-bore schematic
* Well Completion or Recompletion Report and Log

Evaluating Engineer

Robert L. Goodwin III 4-15-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

OGRE(R. V2.2 BATAX — D A T A R E P O R T — DATE: 04/01/08
FILE NAME: (4929) — TIME: 10:36:04

117 CASE NONE
CASE NAME: COMM RU 383 FTC
120 01 2005 12 11 30 2005 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	4200.00	1.000	GAS	8/31/2006

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	0.	.000	.000
315	3.	.000	5839.000
316	3.	.000	25056.000
317	3.	80.000	22762.000
318	3.	200.000	29179.000
319	3.	320.000	28866.000
320	3.	80.000	27336.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.937	286.567	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.937	286.567	246.185	6.166	YRS	D	430.160	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	246.185	.834	41.166	YRS	D	981.192	MMCF
420	WATER	EXP		8.054	11.450	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	11.450	.694	36.545	YRS	D	47.433	M-UNITS

600 SERIES LINES:

602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 : CASE $ARR17_OP_POV_APR07
629 : CASE $AREA17
630 : EST. GATHERING PER WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 : SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 : SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 : SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 : SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 : WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 : MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 : DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 : EST. FLU PER WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 : CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 : SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 : SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 : AFE=WT832 ACTUAL COST

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	49.476	280.361	.000		
803 : AFE=WT832 ACTUAL COST									
803	COMP	-2.000	MOS	G	172.752	320.825	.000		

850 NOLOSS = ON

ECONOMIC LIFE (YRS): 18.000
GROSS GAS (MMCF): 914.392
GROSS WATER (MU): 37.283

DATE: 04/01/08
TIME: 10:36:04
FILE:
PROP: 4929
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF NOVEMBER 20, 2005

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			----------------OPERATIONS, M$---------------			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-06	.000	14.304	.000	12.101	.00	6.06	1.0	.000	73.329	.000	73.329
12-07	.000	106.634	.000	90.212	.00	6.68	1.0	.000	602.353	.000	602.353
12-08	.000	103.564	.000	87.615	.00	6.68	1.0	.000	585.013	.000	585.013
12-09	.000	97.774	.000	82.717	.00	6.68	1.0	.000	552.309	.000	552.309
12-10	.000	92.947	.000	78.633	.00	6.68	1.0	.000	525.039	.000	525.039
12-11	.000	85.058	.000	71.959	.00	6.68	1.0	.000	480.477	.000	480.477
12-12	.000	72.417	.000	61.265	.00	6.68	1.0	.000	409.072	.000	409.072
12-13	.000	61.555	.000	52.076	.00	6.68	1.0	.000	347.716	.000	347.716
12-14	.000	52.322	.000	44.264	.00	6.68	1.0	.000	295.555	.000	295.555
12-15	.000	44.473	.000	37.624	.00	6.68	1.0	.000	251.219	.000	251.219
12-16	.000	37.802	.000	31.980	.00	6.68	1.0	.000	213.533	.000	213.533
12-17	.000	32.132	.000	27.184	.00	6.68	1.0	.000	181.510	.000	181.510
12-18	.000	27.313	.000	23.107	.00	6.68	1.0	.000	154.287	.000	154.287
12-19	.000	23.215	.000	19.640	.00	6.68	1.0	.000	131.138	.000	131.138
12-20	.000	19.733	.000	16.694	.00	6.68	1.0	.000	111.467	.000	111.467
12-21	.000	16.773	.000	14.190	.00	6.68	1.0	.000	94.748	.000	94.748
12-22	.000	14.257	.000	12.061	.00	6.68	1.0	.000	80.532	.000	80.532
12-23	.000	12.119	.000	10.253	.00	6.68	1.0	.000	68.460	.000	68.460
S TOT	.000	914.392	.000	773.575	.00	6.67	1.0	.000	5157.757	.000	5157.757
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	914.392	.000	773.575	.00	6.67	1.0	.000	5157.757	.000	5157.757

-END-	----------------OPERATIONS, M$----------------				------------CAPITAL COSTS, M$------------					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-06	6.600	.667	16.856	49.204	222.228	601.186	.000	.000	-774.210	-741.258
12-07	54.212	5.481	51.905	490.755	.000	.000	.000	.000	490.755	-306.934
12-08	52.651	5.324	58.610	468.428	.000	.000	.000	.000	468.428	76.922
12-09	49.708	5.026	59.369	438.206	.000	.000	.000	.000	438.206	409.413
12-10	47.254	4.778	58.649	414.358	.000	.000	.000	.000	414.358	700.521
12-11	43.243	4.372	57.982	374.880	.000	.000	.000	.000	374.880	944.384
12-12	36.816	3.723	57.372	311.161	.000	.000	.000	.000	311.161	1131.804
12-13	31.294	3.164	56.813	256.445	.000	.000	.000	.000	256.445	1274.825
12-14	26.600	2.690	56.292	209.973	.000	.000	.000	.000	209.973	1383.254
12-15	22.610	2.286	55.822	170.501	.000	.000	.000	.000	170.501	1464.778
12-16	19.218	1.943	55.382	136.990	.000	.000	.000	.000	136.990	1525.427
12-17	16.336	1.652	54.982	108.540	.000	.000	.000	.000	108.540	1569.921
12-18	13.886	1.404	54.612	84.385	.000	.000	.000	.000	84.385	1601.951
12-19	11.802	1.193	54.274	63.869	.000	.000	.000	.000	63.869	1624.398
12-20	10.032	1.014	53.962	46.459	.000	.000	.000	.000	46.459	1639.517
12-21	8.527	.862	53.676	31.683	.000	.000	.000	.000	31.683	1649.063
12-22	7.248	.733	53.410	19.141	.000	.000	.000	.000	19.141	1654.403
12-23	6.161	.623	53.170	8.506	.000	.000	.000	.000	8.506	1656.600
S TOT	464.198	46.935	963.140	3683.484	222.228	601.186	.000	.000	2860.070	1656.600
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	1656.600
TOTAL	464.198	46.935	963.140	3683.484	222.228	601.186	.000	.000	2860.070	1656.600

DATE: 04/01/06
TIME: 10:36:04
FILE:
PROP: 4929
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

AFTER TAX ECONOMICS

AS OF NOVEMBER 30, 2005

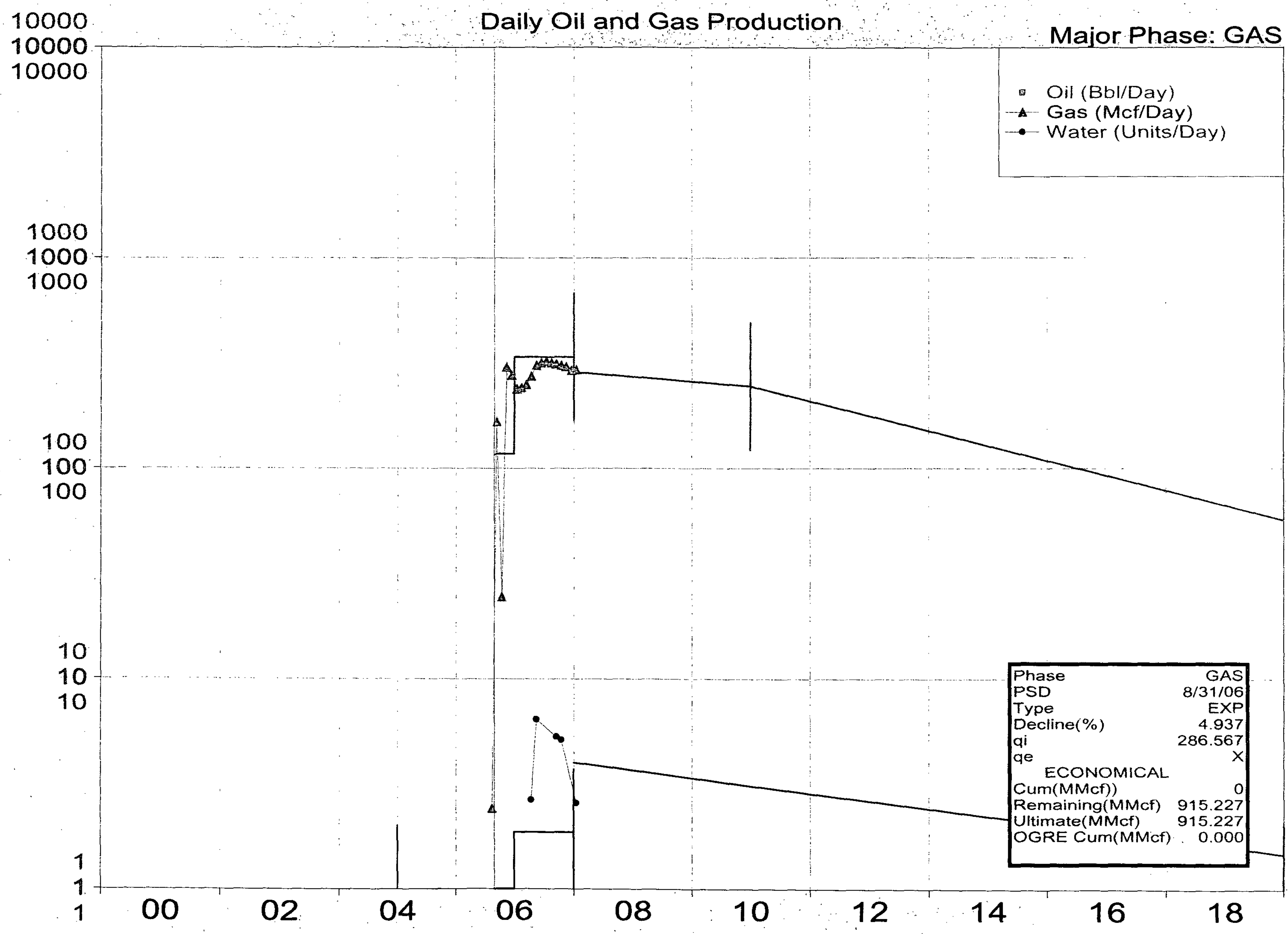
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-06	49.204	31.819	.000	601.186	.000	-583.801	.000	-227.682	-546.528	-529.139
12-07	490.755	54.403	.000	.000	.000	436.352	.000	170.177	320.578	-245.424
12-08	468.428	38.859	.000	.000	.000	429.569	.000	167.532	300.896	1.147
12-09	438.206	27.756	.000	.000	.000	410.450	.000	160.076	278.130	232.180
12-10	414.358	19.833	.000	.000	.000	394.525	.000	153.865	260.493	395.190
12-11	374.880	19.832	.000	.000	.000	355.048	.000	138.469	236.411	548.978
12-12	311.161	19.832	.000	.000	.000	291.329	.000	113.618	197.543	667.963
12-13	256.445	9.894	.000	.000	.000	246.551	.000	96.155	160.290	757.358
12-14	209.973	.000	.000	.000	.000	209.973	.000	81.889	128.084	823.500
12-15	170.501	.000	.000	.000	.000	170.501	.000	66.495	104.006	873.230
12-16	136.990	.000	.000	.000	.000	136.990	.000	53.426	83.564	910.226
12-17	108.540	.000	.000	.000	.000	108.540	.000	42.331	66.209	937.367
12-18	84.385	.000	.000	.000	.000	84.385	.000	32.910	51.475	956.905
12-19	63.869	.000	.000	.000	.000	63.869	.000	24.909	38.960	970.598
12-20	46.459	.000	.000	.000	.000	46.459	.000	18.119	28.340	979.820
12-21	31.683	.000	.000	.000	.000	31.683	.000	12.356	19.327	985.643
12-22	19.141	.000	.000	.000	.000	19.141	.000	7.465	11.676	988.901
12-23	8.506	.000	.000	.000	.000	8.506	.000	3.317	5.189	990.241
S TOT	3683.484	222.228	.000	601.186	.000	2860.070	.000	1115.427	1744.643	990.241
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	990.241
TOTAL	3683.484	222.228	.000	601.186	.000	2860.070	.000	1115.427	1744.643	990.241

BTAX RATE OF RETURN (PCT)	56.19	ATAX RATE OF RETURN (PCT)	46.94
BTAX PAYOUT	08/09/2008	ATAX PAYOUT	09/30/2008
BTAX PAYOUT (DISC)	10/19/2008	ATAX PAYOUT (DISC)	12/29/2008
BTAX NET INCOME/INVEST	4.47	ATAX NET INCOME/INVEST	3.12
BTAX NET INCOME/INVEST (DISC)	3.10	ATAX NET INCOME/INVEST (DISC)	2.26
PRODUCTION START DATE	8/31/06	PROJECT LIFE (YEARS)	18.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	6.68
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	914.392
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	914.392
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	2860.070	1744.643
2.0	2478.882	1506.245
5.0	2017.802	1217.244
8.0	1656.600	990.241
10.0	1457.941	865.117
12.0	1286.116	756.708
15.0	1069.027	619.458
18.0	890.607	506.385
20.0	788.827	441.756
25.0	580.762	309.305
30.0	422.328	208.096
35.0	299.118	129.142
40.0	201.596	66.462
45.0	123.235	15.968
50.0	59.460	-25.225
60.0	-36.601	-87.453
70.0	-103.885	-131.179
80.0	-152.284	-162.697
90.0	-187.807	-185.848
100.0	-214.255	-203.076

Property 4929
ROSA UNIT # 383



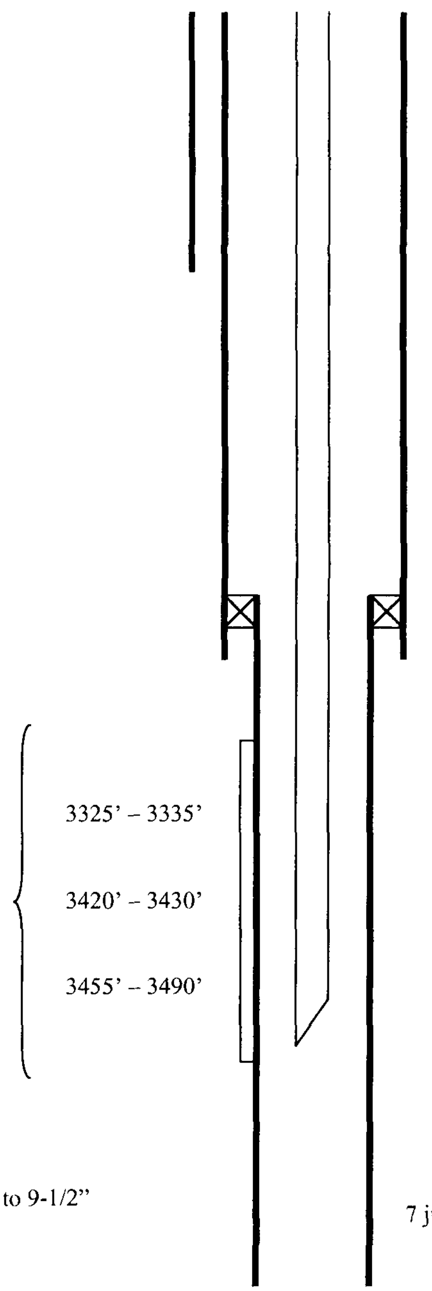
ROSA UNIT #383
BASIN FRUITLAND COAL

Spud date: 05/26/06
Completed: 08/24/06
1st Delivery: 08/31/06
Cavitation: 11/04/06

Location:
1045' FSL and 1110' FEL
SE/4 SE/4 Sec 29(P), T31N, R04W
Rio Arriba, New Mexico

Elevation: 6631' GR
API # 30-039-29367

Top	Depth
Ojo Alamo	2840'
Kirtland	2948'
Fruitland	3306'
Pictured Cliffs	3489'



7 jts 9-5/8", 36#, J-55, ST&C @ 325'

86 jts 7", 23#, K-55, LT&C @ 3368'

Liner top @ 3296'

112 jts 2-7/8", 6.5#, J-55 tbg @ 3550' as follows:
½" mule shoe w/ exp check on bottom, 1 jt tbg,
2.25" "F" nipple @ 3496' & 111 jts tbg.

0.49", 4 SPF,
220 holes total

Open hole from 6-1/4" to 9-1/2"
from 3377' to 3585'

7 jts 5-1/2", 15.5#, N-80, LT&C @ 3296' - 3585'

TD @ 3585'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	190 sxs	264 cu.ft.	Surface
8-3/4"	7", 23#	510 sxs	1036 cu.ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

RML 04/15/08

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address			2 OGRID Number
WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-1 TULSA, OK 74101			120782
			3 Reason for Filing Code/ Effective Date NW
4 API Number 30 – 039-29367	5 Pool Name BASIN FRUITLAND COAL		6 Pool Code 71629
7 Property Code 17033	8 Property Name ROSA UNIT		9 Well Number 383

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	29	31N	4W		1045	SOUTH	1110	EAST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	OCT 2006
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO. NMSF-078894
6. IF INDIAN, ALLOTTEE OR
7. UNIT AGREEMENT NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

2006 OCT 10 PM 2 13

RECEIVED

070 FARMINGTON NM

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF.RESVR OTHER

2. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.: ROSA UNIT #383

3. ADDRESS AND TELEPHONE NO.: P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.: 30-039-29367 00S1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1045' FSL & 1110' FEL
At top production interval reported below :
At total depth:

10. FIELD AND POOL, OR WILDCAT: BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA: SE/4 SE/4 SEC 29-31N-04W

14. PERMIT NO.
DATE ISSUED

12. COUNTY OR: RIO ARRIBA
13. STATE: NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
05/26/06	08/21/06	08/24/06	6631' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3585' MD				x	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL SURVEY MADE: ~~YES~~ NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: NONE

27. WAS WELL CORED: NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" J-55	36#	325'	12-1/4"	190 SX - SURFACE	10 bbls
7" K-55	23#	3368'	8-3/4"	510 SX - SURFACE	11 bbls

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8", 4.7#, J-55	3389'	

31. PERFORATION RECORD (Interval, size, and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
08/31/06	Flowing	Producing

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
08/29/06		3/4"	3 hrs		26		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
5	45			104		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY: MARK LEPICH

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE October 5, 2006

ACCEPTED FOR RECORD
OCT 17 2006
FARMINGTON FIELD OFFICE
BY T. L. Salyers

NMOCD

FROM NON-COMMERCIAL – COMMERCIAL

FROM NON-COMMERCIAL – COMMERCIAL

The Rosa Unit # 212 Fruitland Coal Well (non-commercial from 9/1990 to 11/2005, commercial from 11/2005) is located 1585 feet from the North Line and 1070 feet from the East Line, Section 14, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 3, 1990, and completed in the Fruitland Coal formation on May 25, 1991. The Fruitland formation was open hole completed naturally with a pre-perforated liner with holes between the following depths: 2993' to 3171'. In September 1999, the well was re-cavitated. And in November 2005, a pumping unit was installed. This well has a 2 7/8" tubing string. The well was shut in with a SICP of 1144 psig. In May, 1991, the well was tested and after flowing for three hours through a 2" choke on the 2 7/8" tubing, the well gauged 217 mcfd. Current flow rate on this well is between 350 and 400 Mcfd.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 11.33% and is therefore determined commercial.

Attached to this document are the following:
* OGRE economic model output including gas price assumptions
* Historic production plot with forecast
* Well-bore schematic

Evaluating Engineer

Robert L. Goodwin III 3-25-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

OGRE(R) V2.2 BATAX DATA REPORT DATE: 02/14/08
FILE NAME: wpcp (24270) TIME: 14:35:41
CASE NAME: COMM RU 212 FTC -212 -90TH-RLG- -SJB
101 ROSA UNIT # 212
102 FTC T31N-R6W-SEC. 14
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE NONE
120 01 1990 12 09 31 1990 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	4200.00	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	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	25.	.000	.000
315	3.	1959.000	945.000
316	3.	2270.000	1272.000
317	3.	2720.000	3378.000
318	3.	2560.000	2739.000
319	3.	960.000	403.000
320	3.	.000	.000
321	3.	.000	.000
322	3.	.000	.000
323	3.	.000	300.000
324	3.	.000	.000
325	3.	.000	.000
326	3.	.000	.000
327	3.	.000	.000
328	3.	1600.000	46.000
329	3.	2400.000	.000
330	3.	80.000	.000
331	3.	.000	.000
332	3.	.000	.000
333	3.	.000	.000
334	3.	240.000	270.000
335	3.	4540.000	35670.000
336	3.	2320.000	24123.000
337	3.	2960.000	25651.000
338	3.	2520.000	29809.000
339	3.	2840.000	14700.000
340	3.	5482.000	14869.000
341	3.	6209.000	12386.000
342	3.	3660.000	9757.000
343	3.	5070.000	11918.000
344	3.	4740.000	8681.000
345	3.	4480.000	11010.000
346	3.	4160.000	14961.840
347	3.	5120.000	17281.420
348	3.	4680.000	18662.000
349	3.	4720.000	18115.000
350	3.	4080.000	18642.540
351	3.	4720.000	18919.000
352	3.	4000.000	17493.000
353	3.	4160.000	16768.000
354	3.	4000.000	15945.560
355	3.	4160.000	16092.010
356	3.	4400.000	15797.000
357	3.	4720.000	12949.000
358	3.	4680.000	12616.000
359	3.	4000.000	11868.000
360	3.	4240.000	11998.230
361	3.	3680.000	9328.000
362	3.	4080.000	11170.000
363	3.	3840.000	10263.000
364	3.	2640.000	13802.000
365	3.	3760.000	14933.000
366	3.	3760.000	10198.000
367	3.	1845.000	4644.000
368	3.	4320.000	3218.000
369	3.	4320.000	7276.000
370	3.	4710.000	15790.000
371	3.	4855.000	23613.000
372	3.	4555.000	32827.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		8.000	370.000	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	8.000	370.000	288.115	21.000	YRS	D	961.548	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	288.115	.976	56.000	YRS	D	1606.432	MMCF
420	WATER	EXP		17.268	49.901	X	34.879	YRS	D		
CALC	WATER	EXP	END=	17.268	49.901	1.556	36.296	YRS	D	264.903	M-UNITS

600 SERIES LINES:

602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 ! CASE $ARR17_OP_POV_APR07
629 ! CASE $AREA17
630 ! EST. GATHERING PER WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 ! SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 ! SETS VARIABLE 2 EQUAL TO WI

```
633 COMPUTE ESC2 = ESC2 * WI
634 ! SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 ! SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 ! WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 ! MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 ! DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 ! EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 ! CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 ! SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 ! SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 ! SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 ! SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 ! WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 ! MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 ! MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 ! CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 ! ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
805 ! ORIGINAL D&C COST
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1991.750	AD	G	205.239	118.994	.000		
806 ! RECAVITATION									
806	INVEST	1999.500	AD	G	62.000	100.722	.000		
807 ! PUMPING UNIT INSTALLATION									
807	INVEST	2005.950	AD	G	71.000	30.372	.000		

850 NOLOSS = ON

ECONOMIC LIFE	(YRS):	34.000
GROSS GAS	(MMCF):	1542.123
GROSS WATER	(MU):	264.069

ROSA UNIT # 212
FTC T31N-R6W-SEC. 14
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 02/14/08
TIME: 14:35:41
FILE: wpcp
PROP: 24270
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

AS OF SEPTEMBER 31, 1990

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			---------------OPERATIONS, M$--------------			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-91	.000	.000	.000	.000	.00	1.20	1.0	.000	.000	.000	.000
12-92	.000	.000	.000	.000	.00	1.57	1.0	.000	.000	.000	.000
12-93	.000	2.217	.000	1.876	.00	1.80	1.0	.000	3.368	.000	3.368
12-94	.000	6.520	.000	5.516	.00	1.55	1.0	.000	8.540	.000	8.540
12-95	.000	.300	.000	.254	.00	1.12	1.0	.000	.285	.000	.285
12-96	.000	.046	.000	.039	.00	1.32	1.0	.000	.051	.000	.051
12-97	.000	.000	.000	.000	.00	1.58	1.0	.000	.000	.000	.000
12-98	.000	60.063	.000	50.813	.00	2.20	1.0	.000	111.968	.000	111.968
12-99	.000	85.029	.000	71.935	.00	1.77	1.0	.000	127.082	.000	127.082
12-00	.000	42.742	.000	36.160	.00	1.96	1.0	.000	70.750	.000	70.750
12-01	.000	61.915	.000	52.380	.00	3.35	1.0	.000	175.619	.000	175.619
12-02	.000	73.170	.000	61.902	.00	3.32	1.0	.000	205.781	.000	205.781
12-03	.000	64.602	.000	54.653	.00	4.39	1.0	.000	239.821	.000	239.821
12-04	.000	49.432	.000	41.819	.00	5.61	1.0	.000	234.743	.000	234.743
12-05	.000	44.563	.000	37.700	.00	7.85	1.0	.000	296.127	.000	296.127
12-06	.000	32.993	.000	27.912	.00	6.06	1.0	.000	169.139	.000	169.139
12-07	.000	79.506	.000	67.262	.00	6.68	1.0	.000	449.114	.000	449.114
12-08	.000	129.573	.000	109.619	.00	6.68	1.0	.000	731.936	.000	731.936
12-09	.000	119.207	.000	100.849	.00	6.68	1.0	.000	673.378	.000	673.378
12-10	.000	109.670	.000	92.781	.00	6.68	1.0	.000	619.507	.000	619.507
12-11	.000	97.061	.000	82.114	.00	6.68	1.0	.000	548.282	.000	548.282
12-12	.000	82.502	.000	69.797	.00	6.68	1.0	.000	466.041	.000	466.041
12-13	.000	70.127	.000	59.327	.00	6.68	1.0	.000	396.132	.000	396.132
12-14	.000	59.608	.000	50.428	.00	6.68	1.0	.000	336.712	.000	336.712
12-15	.000	50.666	.000	42.863	.00	6.68	1.0	.000	286.200	.000	286.200
S TOT	.000	1321.512	.000	1117.999	.00	5.50	1.0	.000	6150.576	.000	6150.576
REM.	.000	220.611	.000	186.638	.00	6.68	1.0	.000	1246.200	.000	1246.200
TOTAL	.000	1542.123	.000	1304.637	.00	5.67	1.0	.000	7396.776	.000	7396.776

-END-	----------------OPERATIONS, M$----------------				------------CAPITAL COSTS, M$------------					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	29.400	-29.400	205.239	118.994	.000	.000	-353.633	-327.496
12-92	.000	.000	50.400	-50.400	.000	.000	.000	.000	-50.400	-371.541
12-93	.303	.031	60.550	-57.516	.000	.000	.000	.000	-57.516	-418.082
12-94	.769	.078	65.376	-57.683	.000	.000	.000	.000	-57.683	-461.301
12-95	.026	.003	50.400	-50.144	.000	.000	.000	.000	-50.144	-496.088
12-96	.005	.000	54.240	-54.194	.000	.000	.000	.000	-54.194	-530.900
12-97	.000	.000	56.352	-56.352	.000	.000	.000	.000	-56.352	-564.417
12-98	10.077	1.019	67.440	33.432	.000	.000	.000	.000	33.432	-546.005
12-99	11.437	1.156	83.525	30.964	62.000	100.722	.000	.000	-131.758	-613.192
12-00	6.368	.644	97.630	-33.892	.000	.000	.000	.000	-33.892	-629.194
12-01	15.806	1.598	94.656	63.559	.000	.000	.000	.000	63.559	-601.408
12-02	18.520	1.873	92.448	92.940	.000	.000	.000	.000	92.940	-563.787
12-03	21.584	2.182	90.528	125.527	.000	.000	.000	.000	125.527	-516.738
12-04	21.127	2.136	92.736	118.744	.000	.000	.000	.000	118.744	-475.529
12-05	26.651	2.695	84.576	182.205	71.000	30.372	.000	.000	80.833	-448.446
12-06	15.223	1.539	83.244	69.133	.000	.000	.000	.000	69.133	-427.877
12-07	40.420	4.087	94.656	309.951	.000	.000	.000	.000	309.951	-342.487
12-08	65.874	6.661	90.221	569.180	.000	.000	.000	.000	569.180	-197.296
12-09	60.604	6.128	83.342	523.304	.000	.000	.000	.000	523.304	-73.695
12-10	55.756	5.638	77.654	480.459	.000	.000	.000	.000	480.459	31.380
12-11	49.345	4.989	72.950	420.998	.000	.000	.000	.000	420.998	116.631
12-12	41.944	4.241	69.055	350.801	.000	.000	.000	.000	350.801	182.405
12-13	35.652	3.605	65.832	291.043	.000	.000	.000	.000	291.043	232.933
12-14	30.304	3.064	63.170	240.174	.000	.000	.000	.000	240.174	271.541
12-15	25.758	2.604	60.962	196.876	.000	.000	.000	.000	196.876	300.844
S TOT	553.553	55.971	1831.343	3709.709	338.239	250.088	.000	.000	3121.382	300.844
REM.	112.158	11.341	495.021	627.680	.000	.000	.000	.000	627.680	374.700
TOTAL	665.711	67.312	2326.364	4337.389	338.239	250.088	.000	.000	3749.062	374.700

ROSA UNIT # 212
FTC T31N-R6W-SEC. 14
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 02/14/08
TIME: 14:35:41
FILE: wpcp
PROP: 24270
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF SEPTEMBER 31, 1990

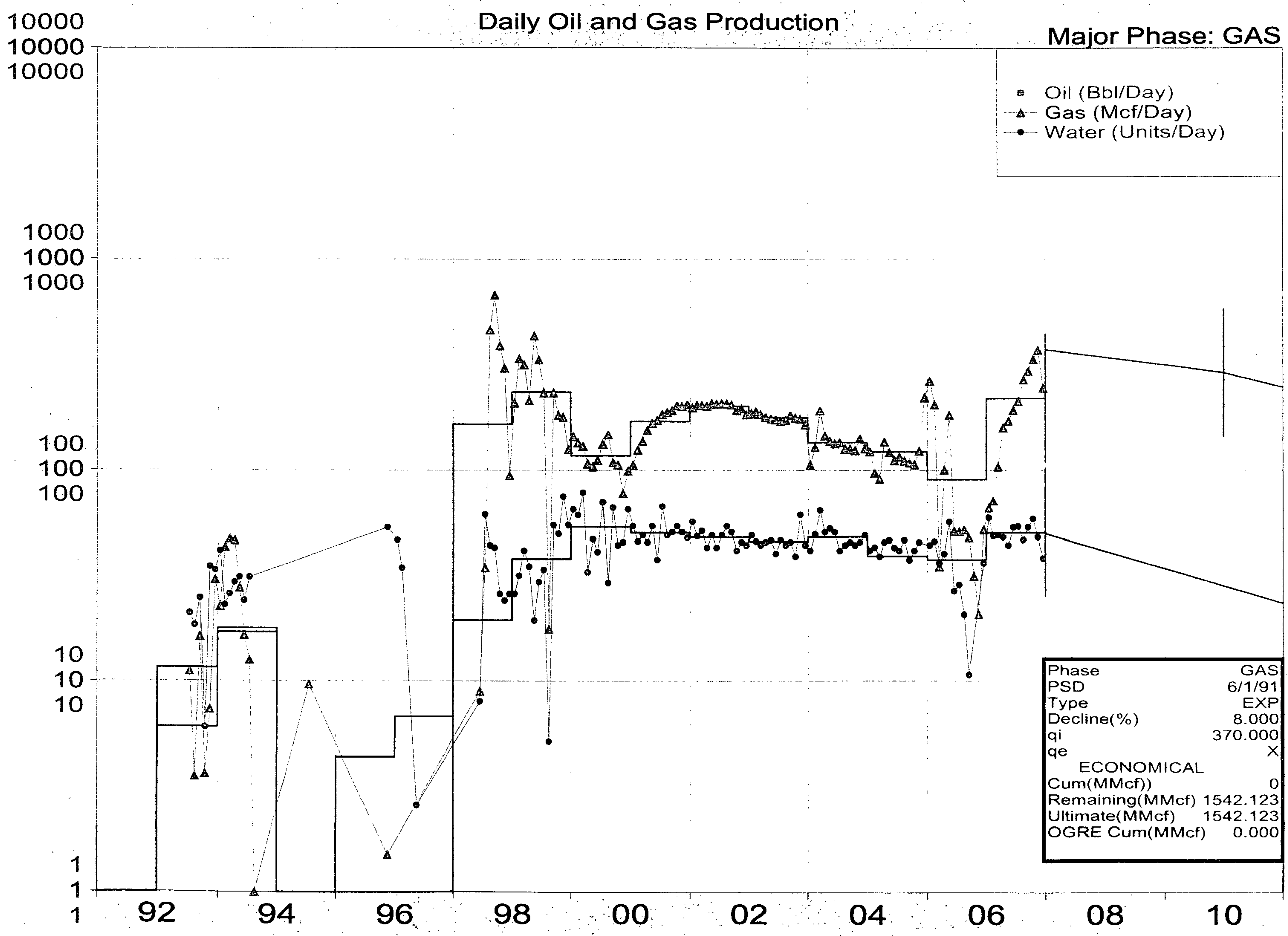
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-91	-29.400	14.660	.000	118.994	.000	-163.054	.000	-63.591	-290.042	-268.432
12-92	-50.400	54.451	.000	.000	.000	-104.851	.000	-40.892	-9.508	-276.741
12-93	-57.516	38.894	.000	.000	.000	-96.410	.000	-37.600	-19.916	-292.857
12-94	-57.683	27.781	.000	.000	.000	-85.464	.000	-33.331	-24.352	-311.103
12-95	-50.144	19.844	.000	.000	.000	-69.988	.000	-27.295	-22.849	-326.954
12-96	-54.194	18.039	.000	.000	.000	-72.233	.000	-28.171	-26.023	-343.670
12-97	-56.352	18.040	.000	.000	.000	-74.392	.000	-29.013	-27.339	-359.931
12-98	33.432	13.530	.000	.000	.000	19.902	.000	7.762	25.670	-345.794
12-99	30.964	8.857	.000	100.722	.000	-78.615	.000	-30.660	-101.098	-397.347
12-00	-33.892	15.184	.000	.000	.000	-49.076	.000	-19.140	-14.752	-404.312
12-01	63.559	10.845	.000	.000	.000	52.714	.000	20.558	43.001	-385.513
12-02	92.940	7.747	.000	.000	.000	85.193	.000	33.225	59.715	-361.341
12-03	125.527	5.533	.000	.000	.000	119.994	.000	46.798	78.729	-331.833
12-04	118.744	5.534	.000	.000	.000	113.210	.000	44.152	74.592	-305.946
12-05	182.205	6.548	.000	30.372	.000	145.285	.000	56.661	24.172	-297.070
12-06	69.133	22.762	.000	.000	.000	46.371	.000	18.085	51.048	-281.881
12-07	309.951	14.283	.000	.000	.000	295.668	.000	115.311	194.640	-228.259
12-08	569.180	10.202	.000	.000	.000	558.978	.000	218.001	351.179	-138.677
12-09	523.304	7.287	.000	.000	.000	516.017	.000	201.247	322.057	-62.609
12-10	480.459	6.176	.000	.000	.000	474.283	.000	184.970	295.489	2.014
12-11	420.998	6.175	.000	.000	.000	414.823	.000	161.781	259.217	54.505
12-12	350.801	5.867	.000	.000	.000	344.934	.000	134.524	216.277	95.056
12-13	291.043	.000	.000	.000	.000	291.043	.000	113.507	177.536	125.878
12-14	240.174	.000	.000	.000	.000	240.174	.000	93.668	146.506	149.429
12-15	196.876	.000	.000	.000	.000	196.876	.000	76.782	120.094	167.304
S TOT	3709.709	338.239	.000	250.088	.000	3121.382	.000	1217.339	1904.043	167.304
REM.	627.680	.000	.000	.000	.000	627.680	.000	244.795	382.885	212.355
TOTAL	4337.389	338.239	.000	250.088	.000	3749.062	.000	1462.134	2286.928	212.355

BTAX RATE OF RETURN (PCT)	11.33	ATAX RATE OF RETURN (PCT)	10.96
BTAX PAYOUT	11/04/2007	ATAX PAYOUT	11/30/2007
BTAX PAYOUT (DISC)	09/13/2010	ATAX PAYOUT (DISC)	12/20/2010
BTAX NET INCOME/INVEST	7.37	ATAX NET INCOME/INVEST	4.89
BTAX NET INCOME/INVEST (DISC)	1.90	ATAX NET INCOME/INVEST (DISC)	1.51
PRODUCTION START DATE	6/01/91	PROJECT LIFE (YEARS)	34.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	1542.123
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	1542.123
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	3749.062	2286.928
2.0	2301.092	1397.828
5.0	1038.670	621.599
8.0	374.700	212.355
10.0	114.506	51.513
12.0	-57.707	-55.275
15.0	-213.234	-152.228
18.0	-295.813	-204.204
20.0	-327.002	-224.105
25.0	-359.959	-245.883
30.0	-361.606	-248.027
35.0	-351.313	-242.508
40.0	-336.927	-234.215
45.0	-321.689	-225.183
50.0	-306.891	-216.268
60.0	-280.225	-199.883
70.0	-257.678	-185.713
80.0	-238.639	-173.514
90.0	-222.401	-162.929
100.0	-208.383	-153.649

Property 24270
ROSA UNIT # 212



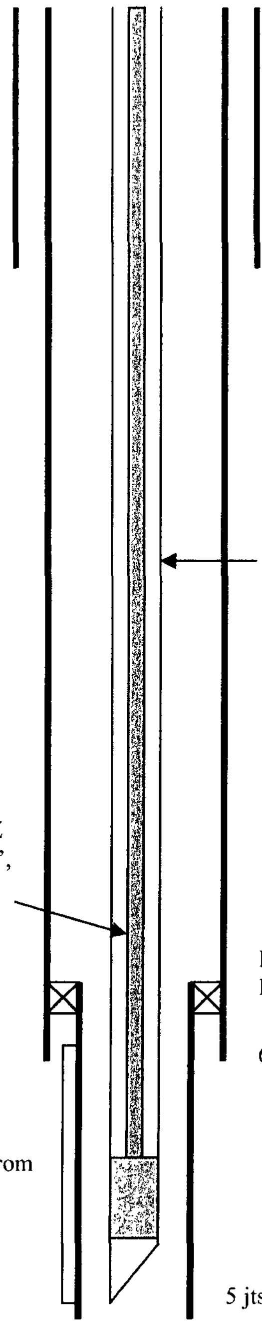
ROSA UNIT #212
FRUITLAND COAL

Spud	09/03/90
1st Delivery	07/07/93
Re-Cavitated	09/06/99
Pump Install	11/23/05

Pumping Unit
Lufkin C80D-133-54

Location:
1585' FNL and 1070' FEL
SE/4 NE/4 Sec 14(H), T31N, R6W
Rio Arriba, New Mexico

Elevation: 6342' GR
API # 30-039-24391



5 jts 9-5/8", 36#, K-55, ST&C @ 225'

Top	Depth
Ojo Alamo	2420'
Kirtland	2515'
Fruitland	2910'

99 jts 2-7/8", 6.5#, J-55 tbg @ 3164' as follows: 27' orange peeled mud anchor, 2.28" F Nipple @ 3136', 98 jts, 10' pup jt., 1 full jt. (Chem. Cap. Sting strapped to outside of tbg.) **NEW STRING OF TBG ON 12/05/2006**

Insert Pump: 2-1/2" x 1-1/4" x 8.8' x 12' x 12'3" RHACZ 4 – 1-1/4" x ¾" sinker bars, 121 - ¾" rods, space out w/ 8', 6', and 4' pony rods, ran 1-1/4" x 16' polished rod and 1-1/2" x 8' chrome sleeve

Hyflo III 5-1/2" x 7" liner hanger
Liner top @ 2891'

68 jts 7", 23#, K-55, ST&C csg @ 3000'

Pre-perfed Liner w/aluminum Plugs, holes in bottom 4 jts from 3037' - 3171'

5 jts 5-1/2", 15.5#, K-55, LT&C @ 2891' - 3173'

Underream 6-1/4" to 9-1/2"
From 3010'-3174'

PBTD 3166'
TD @ 3174'

Hole Size	Casing	Cement	Top of Cmt
12-1/4"	9-5/8", 36#	160 sx	Surface
8-3/4"	7", 23#	740 sx	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt	

MC 2/21/07

<u>The Rosa Unit # 226 Fruitland Coal Well (non-commercial from 10/1990 to 4/2003, commercial from 4/2003)</u> is located 1850 feet from the North Line and 1700 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 September 24, 1990, and completed in the Fruitland Coal formation on October 9, 1990. The Fruitland formation was perforated with 84 holes between the following depths: 2940' to 3097'. These perforations were sand/gel/water fractured. In August 1999, the well was sidetracked and cavitated. And in April 2003, wellhead compression was added. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 717 psig. In October, 1990, the well was tested and after flowing for three hours through a 2" choke on the 2 1/16" tubing, the well gauged TSTM. Current flow rate on this well is between 225 and 300 Mcfd.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 14.55% and is therefore determined commercial.

Attached to this document are the following:
* OGRE economic model output including gas price assumptions
* Historic production plot with forecast
* Well-bore schematic
* Well Completion or Recompletion Report and Log

Evaluating Engineer

Robert L. Goodwin III 3-25-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

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OGRE(R) V2.2  BATAX                                  D A T A   R E P O R T                           DATE: 03/25/08
FILE NAME: wpcp     (24420)                          - - - -   - - - - - -                           TIME: 14:15:52
CASE NAME: COMM RU 226 FTC              -226         -90TH-RLG-            -SJB
101 ROSA UNIT # 226
102 FTC T31N-R6W-SEC. 12
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE NONE
120 01 1990 12 11 30 1990 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 2

        W.I.        OP. COST    OP. COST    ADV. TAX    MAJOR       PROD  DATE
        FRACTION    ($/W/MO)    ($/MO.)     (PCT)       PH. NAME    (MO/DY/YR)
        --------    --------    --------    --------    --------    ----------
210   1.00000000         .00     3600.00       1.000    GAS         11/01/1990

        PHASE       CUM PROD    REV. INT    PRICE       SEV. TAX    NO. OF      RATIO TO
        NAME        (MUNITS)    FRACTION    ($/UNIT)    (PCT)       WELLS       MAJOR PH
        --------    --------    --------    --------    --------    --------    --------
222     GAS             .000  .85000000        5.470       9.000         1.0
224     WATER           .000  .85000000         .000        .000          .0

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

305          MAN       WATER         GAS
310          FACT        1.000       1.000
314           39.         .000        .000
315            3.      240.000      98.000
316            3.         .000      66.000
317            3.         .000        .000
318            3.       80.000     499.000
319            3.      640.000     390.000
320            3.         .000       5.000
321            3.         .000        .000
322            3.         .000        .000
323            3.         .000        .000
324            3.       40.000        .000
325            3.         .000        .000
326            3.       80.000       4.000
327            3.      160.000        .000
328            3.         .000        .000
329            3.         .000        .000
330            3.         .000        .000
331            3.         .000        .000
332            3.       80.000      29.000
333            3.      160.000      14.000
334            3.         .000        .000
335            3.         .000        .000
336            3.         .000        .000
337            3.      880.000     841.000
338            3.      540.000     281.000
339            3.      961.000      86.000
340            3.      800.000    4974.000
341            3.     1420.000    2296.000
342            3.      880.000    2452.000
343            3.      960.000    3158.000
344            3.      880.000    3929.940
345            3.      640.000    4571.000
346            3.      760.000    5533.000
347            3.      800.000    5571.000
348            3.      560.000    6182.150
349            3.      800.000    6737.000
350            3.      640.000    7198.000
351            3.      560.000    7505.000
352            3.      560.000   10581.370
353            3.      480.000   14454.000
354            3.      480.000   17849.000
355            3.      640.000   18674.000
356            3.      480.000   18297.000
357            3.      560.000   18402.000
358            3.      480.000   18642.970
359            3.      640.000   15968.000
360            3.      560.000   21127.000
361            3.      320.000   21868.000
362            3.      320.000   23963.000
363            3.      480.000   25578.000
364            3.      480.000   27206.000
365            3.      320.000   26543.000
366            3.      400.000   23659.000
367            3.      560.000   24665.000
368            3.      355.000   19107.000
369            3.      240.000   22876.000
370            2.      300.000    5783.000

        PH. NAME    CURVE TP    DECLINE%    QI  RATE    QT  RATE         CUM. LIMIT          (M OR Y)          CALC VALUE
        --------    --------    --------    --------    --------    --------------------    --------    --------------------
410     GAS         EXP            8.000     226.767           X        3.000    IYRS          D
CALC    GAS         EXP     END=   8.000     226.767     176.581       21.000    YRS           D           657.352    MMCF
411     GAS         EXP           15.000    LAST               X       35.000    IYRS          D
CALC    GAS         EXP     END=  15.000     176.581        .598       56.000    YRS           D          1052.591    MMCF
420     WATER       EXP            8.054       4.054           X       34.879    YRS           D
CALC    WATER       EXP     END=   8.054       4.054        .916       35.712    YRS           D            35.856    M-UNITS

600 SERIES LINES:
-----------------
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 ! CASE $ARR17_OP_POV_APR07
629 ! CASE $AREA17
630 ! EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 ! SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 ! SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 ! SETS VARIABLE 3 EQUAL TO 1
```

```
634 DATA ESC3 : 1 TO LIFE
635 : SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 : WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 : MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 : DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 : EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 : CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 : SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 : SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
670 DATA OPCOST : 500 UNTIL 12 1999 : 900 UNTIL 12 2002
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
805 ! ORIGINAL D&C COST

        INV NAME         INV. POINT          (G OR N)      TANG-M$    INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
        --------    --------------------    --------      -------    ---------   ---------   ---------   ---------
805     INVEST      1991.830    AD              G          190.812     110.630        .000
806 : RECAVITATION
806     INVEST      1999.670    AD              G           75.539     138.195        .000

850 NOLOSS = ON

ECONOMIC LIFE  (YRS):          32.000
GROSS GAS      (MMCF):        997.523
GROSS WATER      (MU):         34.837
```

ROSA UNIT # 226
FTC T31N-R6W-SEC, 12
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/25/08
TIME: 14:15:52
FILE: wpcp
PROP: 24420
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF NOVEMBER 30, 1990

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			---------------OPERATIONS, M$--------------			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-91	.000	.000	.000	.000	.00	1.20	1.0	.000	.000	.000	.000
12-92	.000	.000	.000	.000	.00	1.57	1.0	.000	.000	.000	.000
12-93	.000	.000	.000	.000	.00	1.80	1.0	.000	.000	.000	.000
12-94	.000	.497	.000	.422	.00	1.55	1.0	.000	.653	.000	.653
12-95	.000	.561	.000	.477	.00	1.12	1.0	.000	.535	.000	.535
12-96	.000	.003	.000	.003	.00	1.32	1.0	.000	.004	.000	.004
12-97	.000	.001	.000	.001	.00	1.58	1.0	.000	.002	.000	.002
12-98	.000	.043	.000	.037	.00	2.20	1.0	.000	.082	.000	.082
12-99	.000	1.028	.000	.874	.00	1.77	1.0	.000	1.544	.000	1.544
12-00	.000	9.085	.000	7.722	.00	1.96	1.0	.000	15.109	.000	15.109
12-01	.000	16.165	.000	13.740	.00	3.35	1.0	.000	46.067	.000	46.067
12-02	.000	25.133	.000	21.363	.00	3.32	1.0	.000	71.017	.000	71.017
12-03	.000	46.839	.000	39.813	.00	4.39	1.0	.000	174.702	.000	174.702
12-04	.000	73.751	.000	62.688	.00	5.61	1.0	.000	351.887	.000	351.887
12-05	.000	81.153	.000	68.980	.00	7.85	1.0	.000	541.827	.000	541.827
12-06	.000	103.087	.000	87.624	.00	6.06	1.0	.000	530.977	.000	530.977
12-07	.000	80.317	.000	68.269	.00	6.68	1.0	.000	455.838	.000	455.838
12-08	.000	79.414	.000	67.502	.00	6.68	1.0	.000	450.717	.000	450.717
12-09	.000	73.060	.000	62.101	.00	6.68	1.0	.000	414.654	.000	414.654
12-10	.000	67.215	.000	57.133	.00	6.68	1.0	.000	381.482	.000	381.482
12-11	.000	59.487	.000	50.564	.00	6.68	1.0	.000	337.620	.000	337.620
12-12	.000	50.564	.000	42.979	.00	6.68	1.0	.000	286.975	.000	286.975
12-13	.000	42.980	.000	36.533	.00	6.68	1.0	.000	243.934	.000	243.934
12-14	.000	36.532	.000	31.052	.00	6.68	1.0	.000	207.337	.000	207.337
12-15	.000	31.053	.000	26.395	.00	6.68	1.0	.000	176.242	.000	176.242
S TOT	.000	877.968	.000	746.272	.00	6.28	1.0	.000	4689.205	.000	4689.205
REM.	.000	119.555	.000	101.622	.00	6.68	1.0	.000	678.540	.000	678.540
TOTAL	.000	997.523	.000	847.894	.00	6.33	1.0	.000	5367.745	.000	5367.745

-END-	----------------OPERATIONS, M$----------------				------------CAPITAL COSTS, M$------------					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-91	.000	.000	6.000	-6.000	190.812	110.630	.000	.000	-307.442	-286.632
12-92	.000	.000	6.000	-6.000	.000	.000	.000	.000	-6.000	-291.942
12-93	.000	.000	6.000	-6.000	.000	.000	.000	.000	-6.000	-296.859
12-94	.059	.006	6.703	-6.115	.000	.000	.000	.000	-6.115	-301.499
12-95	.048	.005	7.601	-7.119	.000	.000	.000	.000	-7.119	-306.500
12-96	.000	.000	6.223	-6.219	.000	.000	.000	.000	-6.219	-310.546
12-97	.000	.000	6.449	-6.447	.000	.000	.000	.000	-6.447	-314.429
12-98	.007	.001	6.576	-6.502	.000	.000	.000	.000	-6.502	-318.055
12-99	.139	.014	8.976	-7.585	75.539	138.195	.000	.000	-221.319	-430.909
12-00	1.360	.137	20.275	-6.663	.000	.000	.000	.000	-6.663	-434.095
12-01	4.146	.419	18.672	22.830	.000	.000	.000	.000	22.830	-423.988
12-02	6.392	.646	17.616	46.363	.000	.000	.000	.000	46.363	-404.982
12-03	15.723	1.590	48.319	109.070	.000	.000	.000	.000	109.070	-363.583
12-04	31.670	3.202	48.384	268.631	.000	.000	.000	.000	268.631	-269.172
12-05	48.764	4.931	47.743	440.389	.000	.000	.000	.000	440.389	-125.862
12-06	47.788	4.832	47.170	431.187	.000	.000	.000	.000	431.187	4.060
12-07	41.025	4.148	47.011	363.654	.000	.000	.000	.000	363.654	105.517
12-08	40.565	4.102	46.606	359.444	.000	.000	.000	.000	359.444	198.371
12-09	37.319	3.773	46.332	327.230	.000	.000	.000	.000	327.230	276.642
12-10	34.333	3.471	46.080	297.598	.000	.000	.000	.000	297.598	342.552
12-11	30.386	3.072	45.847	258.315	.000	.000	.000	.000	258.315	395.524
12-12	25.828	2.611	45.636	212.900	.000	.000	.000	.000	212.900	435.949
12-13	21.954	2.220	45.437	174.323	.000	.000	.000	.000	174.323	466.597
12-14	18.660	1.887	45.259	141.531	.000	.000	.000	.000	141.531	489.637
12-15	15.862	1.604	45.094	113.682	.000	.000	.000	.000	113.682	506.772
S TOT	422.028	42.671	722.009	3502.497	266.351	248.825	.000	.000	2987.321	506.772
REM.	61.069	6.175	311.999	299.297	.000	.000	.000	.000	299.297	543.668
TOTAL	483.097	48.846	1034.008	3801.794	266.351	248.825	.000	.000	3286.618	543.668

ROSA UNIT # 226
FTC T31N-R6W-SEC. 12
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/25/08
TIME: 14:15:52
FILE: wpcp
PROP: 24420
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R T A X E C O N O M I C S

AS OF NOVEMBER 30, 1990

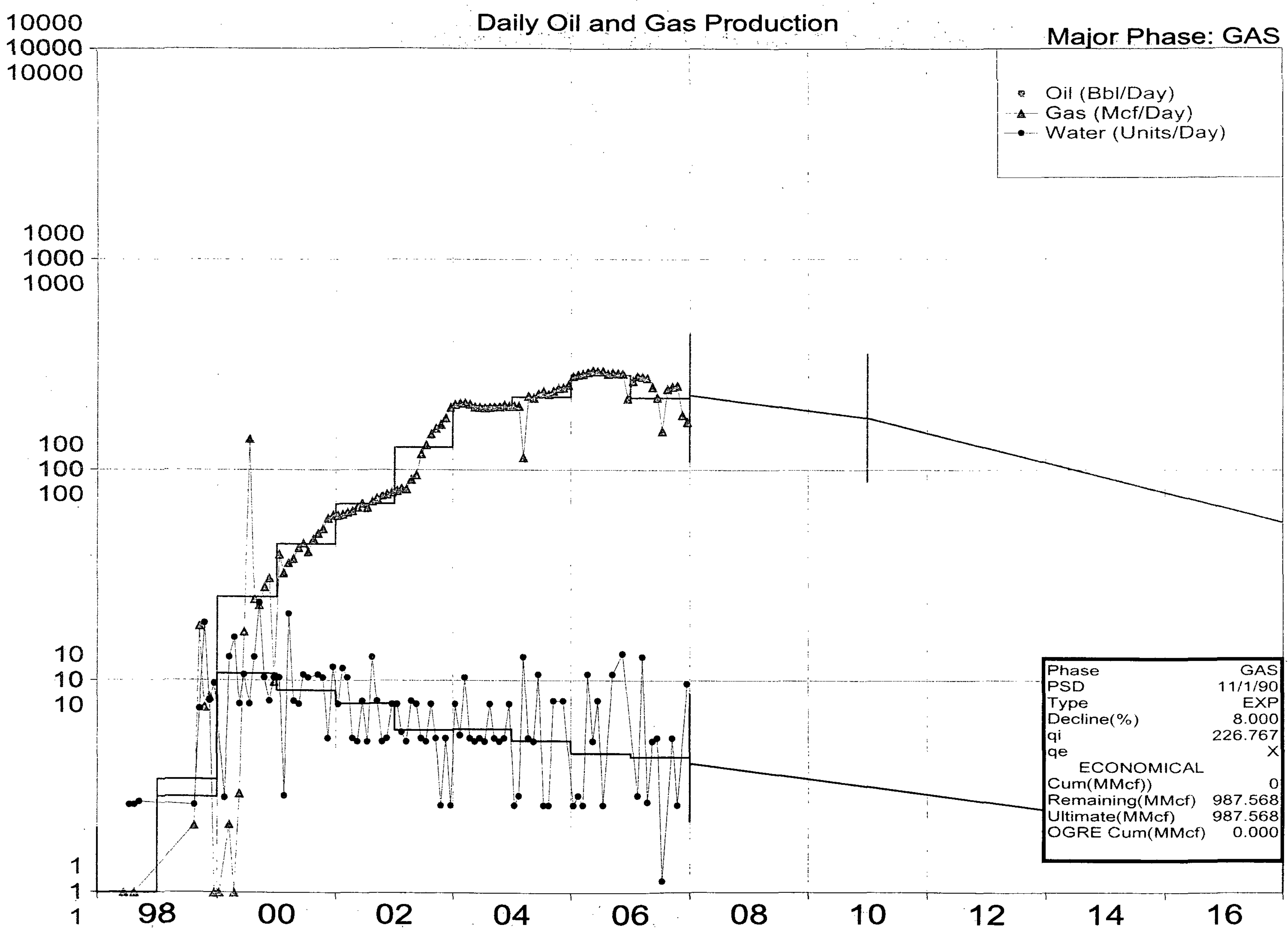
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-91	-6.000	9.268	.000	110.630	.000	-125.898	.000	-49.100	-258.342	-239.701
12-92	-6.000	51.870	.000	.000	.000	-57.870	.000	-22.569	16.569	-225.037
12-93	-6.000	37.050	.000	.000	.000	-43.050	.000	-16.790	10.790	-216.195
12-94	-6.115	26.464	.000	.000	.000	-32.579	.000	-12.706	6.591	-211.194
12-95	-7.119	18.903	.000	.000	.000	-26.022	.000	-10.149	3.030	-209.065
12-96	-6.219	16.698	.000	.000	.000	-22.917	.000	-8.938	2.719	-207.296
12-97	-6.447	16.699	.000	.000	.000	-23.146	.000	-9.027	2.580	-205.742
12-98	-6.502	13.860	.000	.000	.000	-20.362	.000	-7.941	1.439	-204.939
12-99	-7.585	7.122	.000	138.195	.000	-152.902	.000	-59.632	-161.687	-286.999
12-00	-6.663	19.548	.000	.000	.000	-26.211	.000	-10.222	3.559	-285.297
12-01	22.830	13.962	.000	.000	.000	8.868	.000	3.459	19.371	-276.721
12-02	46.363	9.974	.000	.000	.000	36.389	.000	14.192	32.171	-263.533
12-03	109.070	7.124	.000	.000	.000	101.946	.000	39.759	69.311	-237.225
12-04	268.631	6.670	.000	.000	.000	261.961	.000	102.165	166.466	-178.720
12-05	440.389	6.670	.000	.000	.000	433.719	.000	169.150	271.239	-90.454
12-06	431.187	4.469	.000	.000	.000	426.718	.000	166.420	264.767	-10.676
12-07	363.654	.000	.000	.000	.000	363.654	.000	141.825	221.829	51.213
12-08	359.444	.000	.000	.000	.000	359.444	.000	140.183	219.261	107.854
12-09	327.230	.000	.000	.000	.000	327.230	.000	127.620	199.610	155.599
12-10	297.598	.000	.000	.000	.000	297.598	.000	116.063	181.535	195.804
12-11	258.315	.000	.000	.000	.000	258.315	.000	100.743	157.572	228.117
12-12	212.900	.000	.000	.000	.000	212.900	.000	83.031	129.869	252.776
12-13	174.323	.000	.000	.000	.000	174.323	.000	67.986	106.337	271.471
12-14	141.531	.000	.000	.000	.000	141.531	.000	55.197	86.334	285.525
12-15	113.682	.000	.000	.000	.000	113.682	.000	44.336	69.346	295.978
S TOT	3502.497	266.351	.000	248.825	.000	2987.321	.000	1165.055	1822.266	295.978
REM.	299.297	.000	.000	.000	.000	299.297	.000	116.726	182.571	318.485
TOTAL	3801.794	266.351	.000	248.825	.000	3286.618	.000	1281.781	2004.837	318.485

BTAX RATE OF RETURN (PCT)	14.55	ATAX RATE OF RETURN (PCT)	14.01
BTAX PAYOUT	04/20/2005	ATAX PAYOUT	04/24/2005
BTAX PAYOUT (DISC)	12/20/2006	ATAX PAYOUT (DISC)	03/03/2007
BTAX NET INCOME/INVEST	7.38	ATAX NET INCOME/INVEST	4.89
BTAX NET INCOME/INVEST (DISC)	2.39	ATAX NET INCOME/INVEST (DISC)	1.82
PRODUCTION START DATE	11/01/90	PROJECT LIFE (YEARS)	32.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	997.523
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	997.523
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.85000000	FINAL NET GAS FRACTION	.85000000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	3286.618	2004.837
2.0	2157.178	1311.446
5.0	1122.802	675.432
8.0	543.668	318.485
10.0	303.489	170.064
12.0	136.780	66.794
15.0	-23.940	-33.125
18.0	-118.260	-92.101
20.0	-158.298	-117.292
25.0	-212.580	-151.820
30.0	-232.281	-164.737
35.0	-236.689	-167.969
40.0	-234.319	-166.803
45.0	-229.040	-163.679
50.0	-222.649	-159.735
60.0	-209.420	-151.298
70.0	-197.178	-143.232
80.0	-186.292	-135.863
90.0	-176.652	-129.194
100.0	-168.066	-123.145

Property 24420
ROSA UNIT # 226



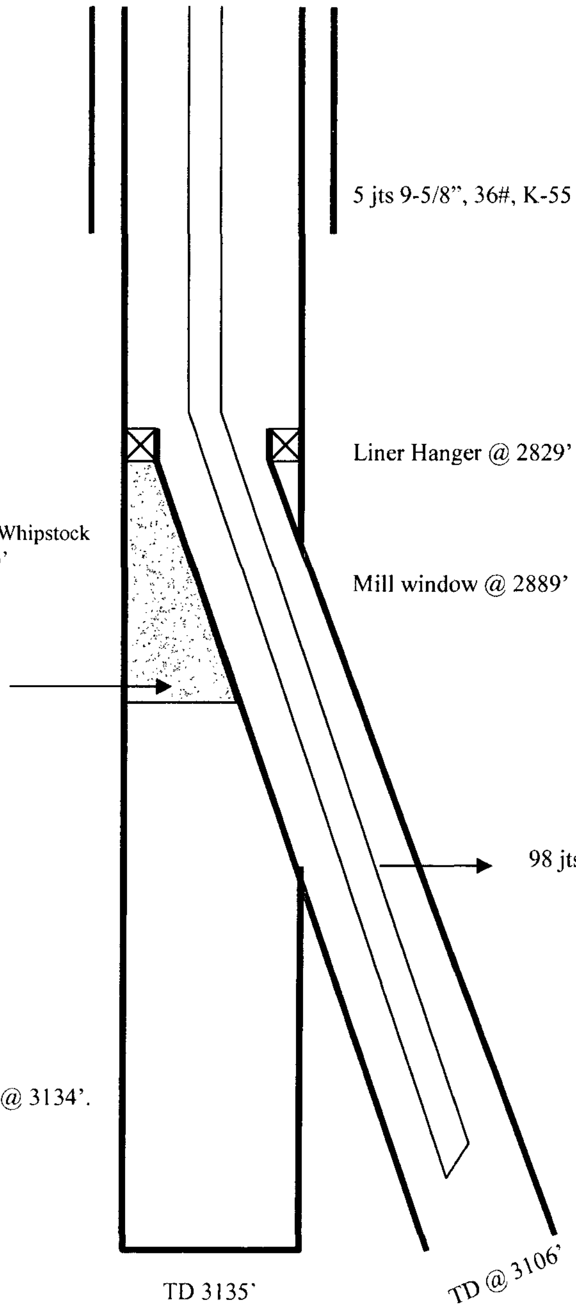
ROSA UNIT #226
BASIN FRUITLAND COAL

Spud: 09/24/90
Completed: 10/09/90
Sidetrack & Cavitate: 08/27/99

<u>Location:</u>
1850' FNL and 1700' FEL
SW/4 NE/4 Sec 12(G), T31N R6W
Rio Arriba, New Mexico
Elevation GL: 6250'

API # 30-039-24494

Top	Depth
Ojo Alamo	2344'
Kirtland	2444'
Fruitland	2843'



<u>Sidetrack & Perforated 8-27-1999</u>
Set whipstock and sidetracked hole.
Perforated intervals 3205' - 3250' and
3105' - 3165' with 4 spf, 0.75" dia.

Hole Size	Casing	Cement	Top of Cmt
12-1/4"	9-5/8", 36#	320 sx	Surface
7-7/8"	5-1/2", 15.5#	930 sx	Surface
4-3/4"	4", 10.64#	Did Not Cmt	

RLG3 02/14/08

Form 3160—4
(November 1983)
(formerly 9—330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004—0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR
Meridian Oil Inc.

3. ADDRESS OF OPERATOR
PO Box 4289, Farmington, NM 87499

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface 1850'N, 1700'E
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
SF-078767

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Rosa Unit

8. FARM OR LEASE NAME
Rosa Unit

9. WELL NO.
226

10. FIELD AND POOL, OR WILDCAT
Basin Fruitland Coal

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec.12,T-31-N,R-6-W NMPM

14. PERMIT NO. 30-039-24494 DATE ISSUED

12. COUNTY OR PARISH Rio Arriba 13. STATE NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
9-24-90	9-28-90	10-9-90	6250'GL	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY →	ROTARY TOOLS	CABLE TOOLS
3135'				yes	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Fruitland Coal (2940-3097')

25. WAS DIRECTIONAL SURVEY MADE
no

26. TYPE ELECTRIC AND OTHER LOGS RUN
CNL/FDC, NGT, DIL, ML, GR

27. WAS WELL CORED
no

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36.0#	404'	12 1/4"	378 cu.ft.	
5 1/2"	15.5#	3134'	7 7/8"	1687 cu.ft.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	3068'	

31. PERFORATION RECORD (*Interval, size and number*)
2940-44', 3032-36', 3061-65', 3071-75', 3092-97'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2940-3097'	15,180# 40/70 sand; 172,760# 20/40 sand; 115,564 gal. fluid

33.* PRODUCTION

DATE FIRST PRODUCTION | PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*) | WELL STATUS (*Producing or shut-in*)
shut in,waiting on pipeline; capable of commercial hydrocarbon production

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
					TSTM	-pitot gge	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
SI 572	SI 717					

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)
to be sold BHP @ 3060' 1741'

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
none

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Regulatory Affairs DATE 11-12-90

The Rosa Unit # 235 Fruitland Coal Well (non-commercial from 6/1990 to 2/2006, commercial from 2/2006) is located 890 feet from the North Line and 1765 feet from the East Line, Section 9, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on June 21, 1990, and completed in the Fruitland Coal formation on July 24, 1990. The Fruitland formation was perforated between the following depths: 3126' to 3213'. These perforations were sand/gel/water fractured. In April 1999, the well was sidetracked and cavitated. And in February 2006 a beam pumping unit was installed. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 1523 psig. In August, 1990, the well was tested and after flowing for three hours through a 2" choke, the well gauged 122 Mcfd. Current flow rate on this well is between 350 and 400 Mcfd.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 11.19% and is therefore determined commercial.

Attached to this document are the following:
* OGRE economic model output including gas price assumptions
* Historic production plot with forecast
* Well-bore schematic
* Well Completion or Recompletion Report and Log

Evaluating Engineer

Robert L. Goodwin III 3-21-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

101 ROSA UNIT # 235
102 FTC T31N-R6W-SEC. 9
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE NONE
120 01 1989 12 11 30 1989 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	2900.00	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	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	0.	.000	.000
315	3.	554.000	984.000
316	3.	.000	.000
317	3.	.000	.000
318	3.	.000	.000
319	3.	.000	.000
320	3.	.000	.000
321	3.	450.000	.000
322	3.	1380.000	.000
323	3.	465.000	589.000
324	3.	1462.000	266.000
325	3.	1348.000	713.000
326	3.	1545.000	789.000
327	3.	1320.000	864.000
328	3.	840.000	383.000
329	3.	15.000	.000
330	3.	913.000	1258.000
331	3.	2613.000	538.000
332	3.	2655.000	400.000
333	3.	2642.000	214.000
334	3.	930.000	64.000
335	3.	1105.000	253.000
336	3.	800.000	422.000
337	3.	2320.000	678.000
338	3.	2480.000	2183.000
339	3.	3040.000	1202.000
340	3.	2375.000	690.000
341	3.	1770.000	600.000
342	3.	1200.000	491.000
343	3.	1840.000	535.000
344	3.	1700.000	831.000
345	3.	1200.000	542.000
346	3.	960.000	689.000
347	3.	1760.000	983.000
348	3.	1360.000	889.000
349	3.	1640.000	6099.000
350	3.	1680.000	1822.000
351	3.	2575.000	1832.000
352	3.	1780.000	3008.000
353	3.	1890.000	2510.000
354	3.	2660.000	3345.000
355	3.	1020.000	3461.190
356	3.	1760.000	5833.490
357	3.	1800.000	5664.140
358	3.	1920.000	6269.000
359	3.	2640.000	4831.000
360	3.	2320.000	6093.270
361	3.	1360.000	5367.000
362	3.	1280.000	3953.000
363	3.	560.000	232.000
364	3.	1840.000	3746.920
365	3.	1760.000	3947.060
366	3.	720.000	1828.000
367	3.	480.000	898.000
368	3.	960.000	418.000
369	3.	1840.000	753.000
370	3.	1360.000	1735.360
371	3.	640.000	1496.000
372	3.	320.000	1459.000
373	3.	430.000	1515.000
374	3.	.000	1509.000
375	3.	640.000	1801.000
376	3.	2040.000	2407.000
377	3.	2285.000	4546.000
378	3.	2000.000	6563.000
379	3.	1360.000	6393.000
380	3.	2040.000	8074.000
381	3.	1920.000	33524.000
382	3.	1600.000	37915.000
383	2.	1400.000	23424.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		7.032	396.424	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	7.032	396.424	318.537	22.000	YRS	D	612.209	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	318.537	1.079	57.000	YRS	D	1325.187	MMCF
420	WATER	EXP		8.054	18.967	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	18.967	4.286	36.712	YRS	D	159.377	M-UNITS

```
600 SERIES LINES:
-----------------
602, DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 ! CASE $ARR17_OP_POV_APR07
629 ! CASE $AREA17
630 ! EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 ! SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 ! SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 ! SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 ! SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 ! WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 ! MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 ! DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 ! EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 ! CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 ! SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 ! SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 ! SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 ! SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 ! WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 ! MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 ! MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 ! CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 ! ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
670 DATA OPCOST : 300 UNTIL 12 1998 : 800 UNTIL 12 2002 : 1400 UNTIL 12 2005 : 3200 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
805 ! ORIGINAL D&C COST PER AFE

        INV NAME        INV. POINT         (G OR N)     TANG-M$   INTANG-M$  LSEHLD-M$  RISK FRAC   OVHD FLAG
        --------    --------------------   --------     -------   ---------  ---------  ---------   ---------
805     INVEST      1990.750    AD            G          216.160     198.930       .000
806 ! RECAVITATION
806     INVEST      1999.600    AD            G           54.000     135.604       .000
807 ! PUMPING UNIT
807     INVEST      2006.100    AD            G           43.019      24.040       .000

850 NOLOSS = ON

ECONOMIC LIFE  (YRS):        38.000
GROSS GAS      (MMCF):     1282.458
GROSS WATER      (MU):      159.377
```

ROSA UNIT # 235
FTC T31N-R6W-SEC. 9
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/24/08
TIME: 10:58:30
FILE: wpcp
PROP: 24424
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF NOVEMBER 30, 1989

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			---------------OPERATIONS, M$---------------			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-90	.000	.656	.000	.555	.00	1.59	1.0	.000	.880	.000	.880
12-91	.000	.328	.000	.277	.00	1.20	1.0	.000	.331	.000	.331
12-92	.000	.393	.000	.332	.00	1.57	1.0	.000	.520	.000	.520
12-93	.000	2.540	.000	2.149	.00	1.80	1.0	.000	3.858	.000	3.858
12-94	.000	2.288	.000	1.936	.00	1.55	1.0	.000	2.997	.000	2.997
12-95	.000	1.026	.000	.868	.00	1.12	1.0	.000	.973	.000	.973
12-96	.000	4.168	.000	3.526	.00	1.32	1.0	.000	4.655	.000	4.655
12-97	.000	2.539	.000	2.148	.00	1.58	1.0	.000	3.387	.000	3.387
12-98	.000	2.895	.000	2.449	.00	2.20	1.0	.000	5.396	.000	5.396
12-99	.000	10.359	.000	8.764	.00	1.77	1.0	.000	15.483	.000	15.483
12-00	.000	11.781	.000	9.967	.00	1.96	1.0	.000	19.501	.000	19.501
12-01	.000	22.141	.000	18.731	.00	3.35	1.0	.000	62.801	.000	62.801
12-02	.000	17.179	.000	14.533	.00	3.32	1.0	.000	48.312	.000	48.312
12-03	.000	10.198	.000	8.628	.00	4.39	1.0	.000	37.860	.000	37.860
12-04	.000	4.203	.000	3.556	.00	5.61	1.0	.000	19.961	.000	19.961
12-05	.000	6.182	.000	5.230	.00	7.85	1.0	.000	41.081	.000	41.081
12-06	.000	18.378	.000	15.548	.00	6.06	1.0	.000	94.216	.000	94.216
12-07	.000	105.067	.000	88.887	.00	6.68	1.0	.000	593.506	.000	593.506
12-08	.000	139.545	.000	118.055	.00	6.68	1.0	.000	788.264	.000	788.264
12-09	.000	129.733	.000	109.754	.00	6.68	1.0	.000	732.837	.000	732.837
12-10	.000	120.610	.000	102.036	.00	6.68	1.0	.000	681.303	.000	681.303
12-11	.000	107.310	.000	90.784	.00	6.68	1.0	.000	606.173	.000	606.173
12-12	.000	91.214	.000	77.167	.00	6.68	1.0	.000	515.251	.000	515.251
12-13	.000	77.531	.000	65.591	.00	6.68	1.0	.000	437.957	.000	437.957
12-14	.000	65.902	.000	55.753	.00	6.68	1.0	.000	372.268	.000	372.268
S TOT	.000	954.166	.000	807.224	.00	6.31	1.0	.000	5089.771	.000	5089.771
REM.	.000	328.292	.000	277.733	.00	6.68	1.0	.000	1854.447	.000	1854.447
TOTAL	.000	1282.458	.000	1084.957	.00	6.40	1.0	.000	6944.218	.000	6944.218

-END-	----------------OPERATIONS, M$----------------				------------CAPITAL COSTS, M$------------					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-90	.079	.008	1.486	-.693	216.160	198.930	.000	.000	-415.783	-389.829
12-91	.030	.003	4.044	-3.746	.000	.000	.000	.000	-3.746	-393.144
12-92	.047	.005	8.736	-8.268	.000	.000	.000	.000	-8.268	-399.919
12-93	.347	.035	16.536	-13.060	.000	.000	.000	.000	-13.060	-409.828
12-94	.270	.027	13.080	-10.380	.000	.000	.000	.000	-10.380	-417.120
12-95	.088	.009	22.404	-21.528	.000	.000	.000	.000	-21.528	-431.124
12-96	.419	.042	22.788	-18.594	.000	.000	.000	.000	-18.594	-442.324
12-97	.305	.031	21.804	-18.753	.000	.000	.000	.000	-18.753	-452.783
12-98	.486	.049	17.150	-12.289	.000	.000	.000	.000	-12.289	-459.129
12-99	1.393	.141	26.362	-12.413	54.000	135.604	.000	.000	-202.017	-555.027
12-00	1.755	.177	28.483	-10.914	.000	.000	.000	.000	-10.914	-559.859
12-01	5.652	.571	27.792	28.786	.000	.000	.000	.000	28.786	-548.059
12-02	4.348	.440	24.511	19.013	.000	.000	.000	.000	19.013	-540.842
12-03	3.407	.345	28.385	5.723	.000	.000	.000	.000	5.723	-538.831
12-04	1.796	.182	28.193	-10.210	.000	.000	.000	.000	-10.210	-542.154
12-05	3.697	.374	20.136	16.874	.000	.000	.000	.000	16.874	-537.070
12-06	8.479	.857	56.268	28.612	43.019	24.040	.000	.000	-38.447	-548.381
12-07	53.416	5.401	56.191	478.498	.000	.000	.000	.000	478.498	-424.772
12-08	70.944	7.173	54.336	655.811	.000	.000	.000	.000	655.811	-267.908
12-09	65.955	6.669	53.054	607.159	.000	.000	.000	.000	607.159	-133.438
12-10	61.317	6.200	51.871	561.915	.000	.000	.000	.000	561.915	-18.207
12-11	54.556	5.516	50.789	495.312	.000	.000	.000	.000	495.312	75.842
12-12	46.373	4.689	49.790	414.399	.000	.000	.000	.000	414.399	148.699
12-13	39.416	3.985	48.871	345.685	.000	.000	.000	.000	345.685	204.973
12-14	33.504	3.388	48.031	287.345	.000	.000	.000	.000	287.345	248.285
S TOT	458.079	46.317	781.091	3804.284	313.179	358.574	.000	.000	3132.531	248.285
REM.	166.900	16.876	564.415	1106.256	.000	.000	.000	.000	1106.256	374.221
TOTAL	624.979	63.193	1345.506	4910.540	313.179	358.574	.000	.000	4238.787	374.221

ROSA UNIT # 235
FTC T31N-R6W-SEC. 9
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/24/08
TIME: 10:58:30
FILE: wpcp
PROP: 24424
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

AFTER TAX ECONOMICS

AS OF NOVEMBER 30, 1989

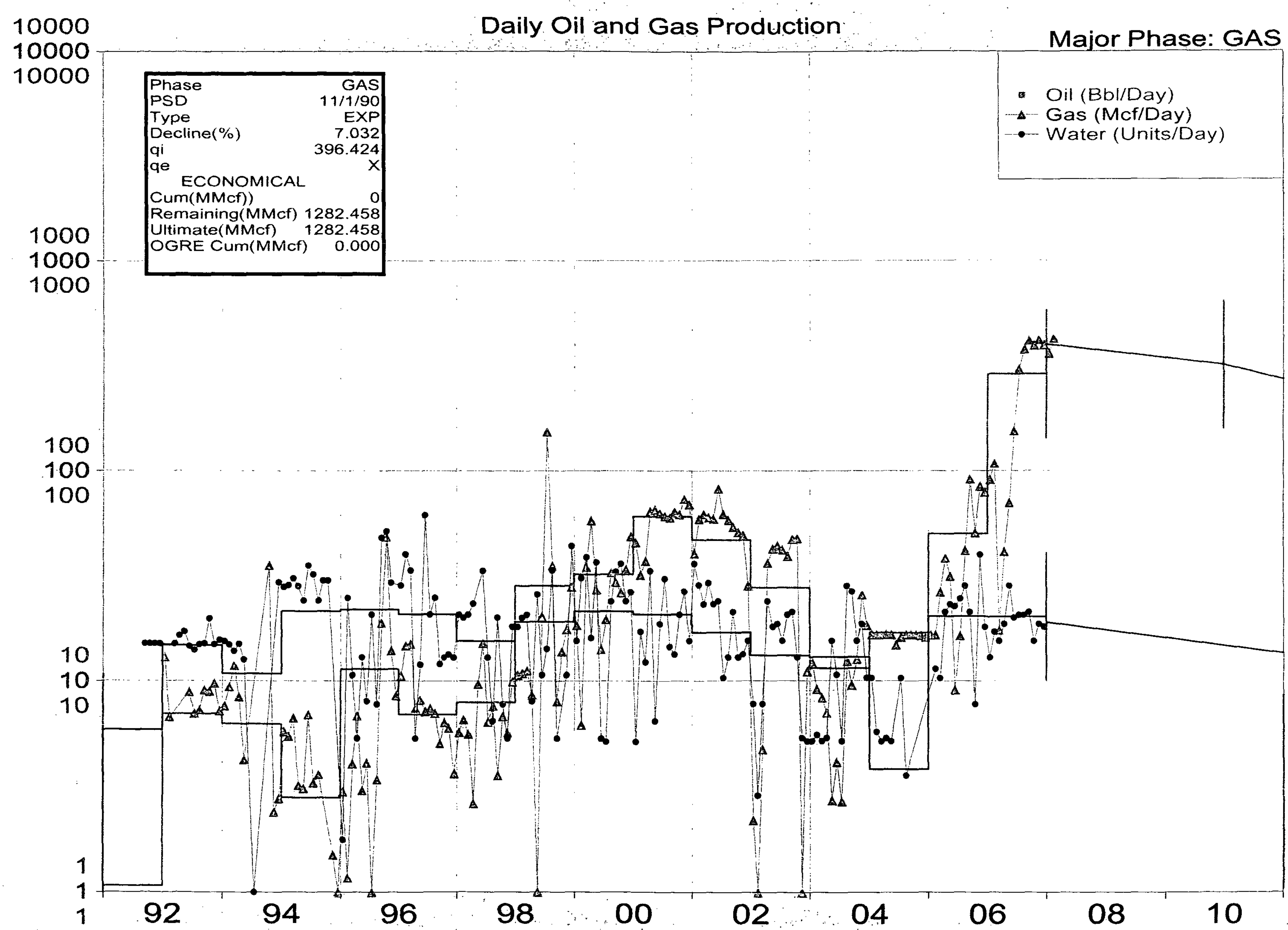
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-90	-.693	15.440	.000	198.930	.000	-215.063	.000	-83.875	-331.908	-312.191
12-91	-3.746	57.349	.000	.000	.000	-61.095	.000	-23.827	20.081	-294.419
12-92	-8.268	40.963	.000	.000	.000	-49.231	.000	-19.200	10.932	-285.461
12-93	-13.060	29.259	.000	.000	.000	-42.319	.000	-16.504	3.444	-282.848
12-94	-10.380	20.900	.000	.000	.000	-31.280	.000	-12.199	1.819	-281.570
12-95	-21.528	19.000	.000	.000	.000	-40.528	.000	-15.806	-5.722	-285.292
12-96	-18.594	18.999	.000	.000	.000	-37.593	.000	-14.661	-3.933	-287.661
12-97	-18.753	14.250	.000	.000	.000	-33.003	.000	-12.871	-5.882	-290.941
12-98	-12.289	.000	.000	.000	.000	-12.289	.000	-4.793	-7.496	-294.812
12-99	-12.413	6.171	.000	135.604	.000	-154.188	.000	-60.133	-141.884	-361.958
12-00	-10.914	13.666	.000	.000	.000	-24.580	.000	-9.586	-1.328	-362.546
12-01	28.786	9.761	.000	.000	.000	19.025	.000	7.420	21.366	-353.787
12-02	19.013	6.972	.000	.000	.000	12.041	.000	4.696	14.317	-348.353
12-03	5.723	4.980	.000	.000	.000	.743	.000	.290	5.433	-346.444
12-04	-10.210	4.788	.000	.000	.000	-14.998	.000	-5.849	-4.361	-347.863
12-05	16.874	4.789	.000	.000	.000	12.085	.000	4.713	12.161	-344.199
12-06	28.612	13.935	.000	24.040	.000	-9.363	.000	-3.652	-34.795	-354.492
12-07	478.498	9.131	.000	.000	.000	469.367	.000	183.053	295.445	-278.171
12-08	655.811	6.521	.000	.000	.000	649.290	.000	253.223	402.588	-181.875
12-09	607.159	4.659	.000	.000	.000	602.500	.000	234.975	372.184	-99.446
12-10	561.915	3.757	.000	.000	.000	558.158	.000	217.682	344.233	-28.855
12-11	495.312	3.757	.000	.000	.000	491.555	.000	191.706	303.606	28.793
12-12	414.399	3.756	.000	.000	.000	410.643	.000	160.151	254.248	73.493
12-13	345.685	.376	.000	.000	.000	345.309	.000	134.671	211.014	107.844
12-14	287.345	.000	.000	.000	.000	287.345	.000	112.065	175.280	134.264
S TOT	3804.284	313.179	.000	358.574	.000	3132.531	.000	1221.689	1910.842	134.264
REM.	1106.256	.000	.000	.000	.000	1106.256	.000	431.439	674.817	211.087
TOTAL	4910.540	313.179	.000	358.574	.000	4238.787	.000	1653.128	2585.659	211.087

BTAX RATE OF RETURN (PCT)	11.19	ATAX RATE OF RETURN (PCT)	10.80
BTAX PAYOUT	05/10/2008	ATAX PAYOUT	05/17/2008
BTAX PAYOUT (DISC)	03/10/2011	ATAX PAYOUT (DISC)	06/30/2011
BTAX NET INCOME/INVEST	7.31	ATAX NET INCOME/INVEST	4.85
BTAX NET INCOME/INVEST (DISC)	1.75	ATAX NET INCOME/INVEST (DISC)	1.42
PRODUCTION START DATE	11/01/90	PROJECT LIFE (YEARS)	38.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	1282.458
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	1282.458
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	4238.787	2585.659
2.0	2527.634	1535.995
5.0	1093.305	654.531
8.0	374.221	211.087
10.0	103.608	43.447
12.0	-70.081	-64.690
15.0	-221.319	-159.700
18.0	-298.118	-208.808
20.0	-326.024	-227.128
25.0	-354.140	-246.919
30.0	-355.077	-249.492
35.0	-346.662	-245.870
40.0	-335.463	-240.178
45.0	-323.922	-233.989
50.0	-312.902	-227.885
60.0	-293.169	-216.575
70.0	-276.340	-206.563
80.0	-261.823	-197.651
90.0	-249.110	-189.634
100.0	-237.831	-182.359

Property 24424
ROSA UNIT # 235



ROSA UNIT #235
FRUITLAND COAL

Spud 6/21/90

Work Over 5/20/96 (swabbed)

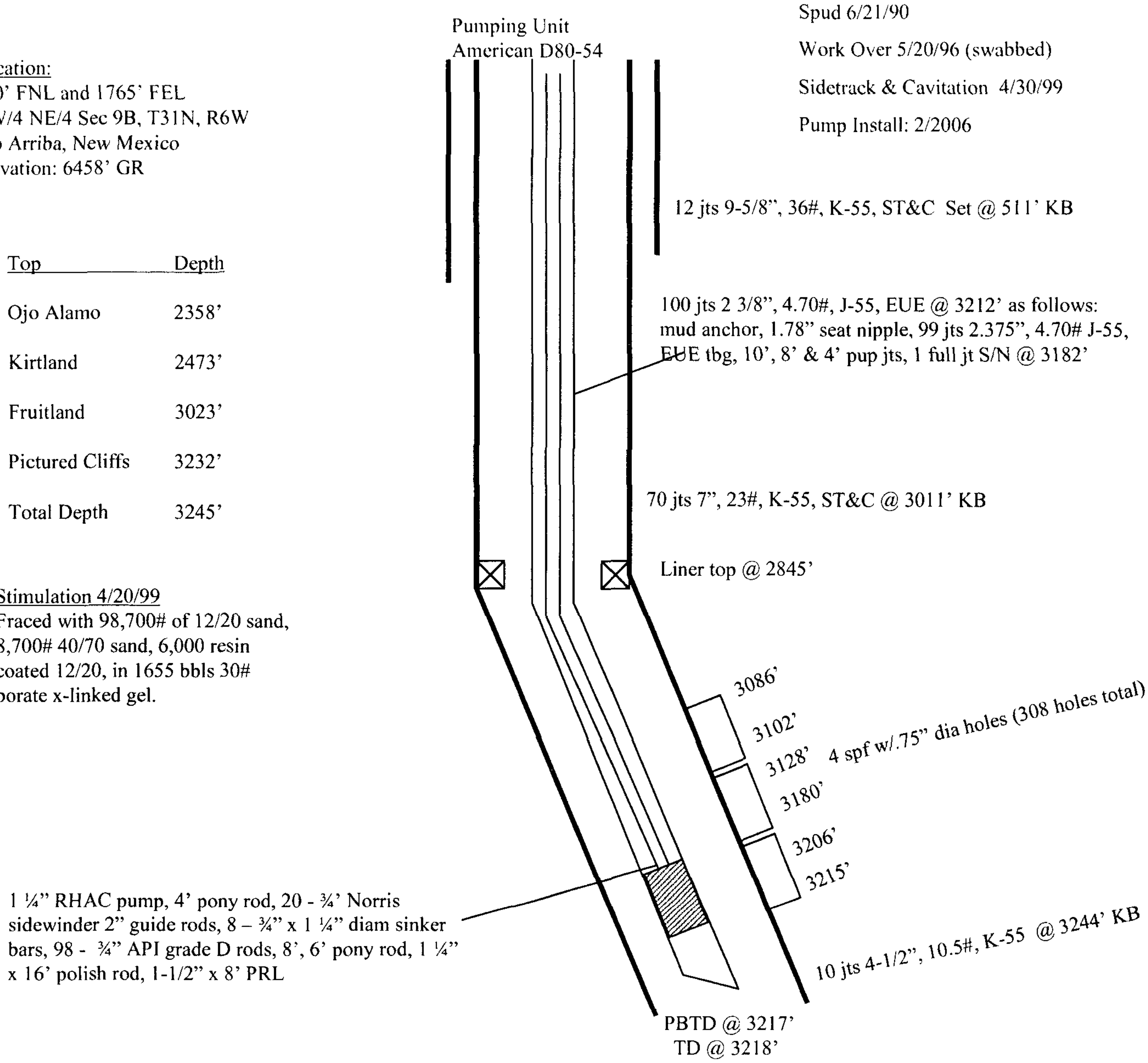
Sidetrack & Cavitation 4/30/99

Pump Install: 2/2006

Location:
890' FNL and 1765' FEL
NW/4 NE/4 Sec 9B, T31N, R6W
Rio Arriba, New Mexico
Elevation: 6458' GR

Top	Depth
Ojo Alamo	2358'
Kirtland	2473'
Fruitland	3023'
Pictured Cliffs	3232'
Total Depth	3245'

Stimulation 4/20/99
Fraced with 98,700# of 12/20 sand, 8,700# 40/70 sand, 6,000 resin coated 12/20, in 1655 bbls 30# borate x-linked gel.



Hole Size	Casing	Cement	Top of Cmt
12-1/4"	9-5/8", 36#	400 sx	Surface
8-3/4"	7", 23#	522 sx	Surface
6-1/4"	4-1/2", 10.5#	70 sx	TOL

LPA 03-27-06
S:\WPX\San Juan Operations\Wellbore Diagrams\Rosa Coal Wellbore\Rosa#235.06.ppt

In Lieu of
Form 3160
(June 1990)

U. ED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

RECEIVED
070 FARMINGTON

SUBMIT IN TRIPLICATE

1. Type of Well Oil Well X Gas Well Other	5. Lease Designation and Serial No. SF-078765
2. Name of Operator WILLIAMS PRODUCTION COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. PO BOX 3102 MS 25-2, TULSA, OK 74101 (918) 573-6254	7. If Unit or CA, Agreement Designation ROSA UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 890' FNL & 1765' FEL, NW/4 NE/4 SEC 09-T31N-R06W	8. Well Name and No. ROSA UNIT #235
	9. API Well No. 30-045-27453
	10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
	11. County or Parish, State SAN JUAN, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
X Subsequent Report	Recompletion	New Construction
Final Abandonment	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
	Altering Casing	Conversion to Injection
	Other Pumping Unit & Rod Installation	Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

01-27-2006 MIRU.

01-30-2006 MIRU, RU flowback tank & blow well down, ND rusted up well head, NU BOP's, RU rig floor & SDFN.

01-31-2006 Blow well down, NDBOP's & repair WH, NUBOP's & RU rig floor, pull tbg hngr, PU 1 jt tbg & tag fill, try to C/O fill, TOOH w/ tbg & tally in derrick, TIH w/ M/A, S/N & 70 jts tbg, drain up lines & SDFN

02-01-2006 Blow well down to flowback tank. TIH w/ remaining tbg, land well @ 3212' as follows: 2 ⅜" mud anchor on bottom, 1.78" SN @ 3182', 99 jts 2 ⅜", 4.7#, J-55 tbg, 10' pup jt, 8' pup jt, 4' pup jt & 1 jt tbg. ND BOP's, NU WH to run rods. PU 1 ¼" RHAC pump & bucket test, TIH w pump, 4' pony rod, 20 – ¾" Norris sidewinder 2" guide rods, 8 – ¾" x 1 ¼" sinker bars, 98 – ¾" Norris API grade D rods, 8' pony rod, 6' pony rod & 1 ¼" x 16' polish rod, seat pump. Load 2 ⅜" tbg w/ 18 bbls produced wtr & pressure test well @ 500 psi, tested good, stroke insert pump w/ rig @ 500 psi. RD rig, pump pit & flowback tank, turn well over to production. Release rig @ 1800 hrs.

14. I hereby certify that the foregoing is true and correct

Signed Tracy Ross Title Sr. Production Analyst Date February 22, 2006
Tracy Ross

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved by ____________ Title ____________ Date MAR 24 2006

Conditions of approval, if any:

FARMINGTON FIELD OFFICE
BY

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR

In Lieu of
Form 3160
(June 1990)

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well ☐ Oil Well ■ *Gas Well* ☐ Other	5. Lease Designation and Serial No. SF-078765
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA, Agreement Designation ROSA UNIT
	8. Well Name and No. ROSA UNIT #235
2. Name of Operator WILLIAMS PRODUCTION COMPANY	9. API Well No. 30-045-27453
3. Address and Telephone No. PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 561-6254	10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 890' FNL & 1765' FEL, NW/4 NE/4, SEC 9 T31N R6W	11. County or Parish, State SAN JUAN, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent ■ Subsequent Report ☐ Final Abandonment	☐ Abandonment ☐ Recompletion ☐ Plugging Back ☐ Casing Repair ☐ Altering Casing ■ *Other Sidetrack and Cavitate Complete*	☐ Change of Plans ☐ New Construction ☐ Non-Routine Fracturing ☐ Water Shut-Off ☐ Conversion to Injection ☐ Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

4-30-1999 Load out equip, road rig to loc. RU rig & spot equip. Blow well down, NDWH, NUBOPs & blooie line. Unseat donut, TOOH w/prod tbg. WL set 4 ½" CIBP @ 3050'. Tally in w/6 ¼" mill 10 4 ¾" DC'S & 80 jts 3 ½" drill pipe. Tag TOL @ 2845'. Load csg w/prod wtr & break circ. Mill out liner hanger f/2845'- 2853'. Circ bottoms up. Hang swivel back. No gauge.

5-01-1999 TOOH w/6 ¼" mill. TIH w/5 ¼"mill. Mill out 9' of 4 ½" liner w/prod wtr & start plugging off. Work mill & circ clean. Unload csg w/air. Mill out 2' of liner w/25 bph air/soap mist & plug off. Work mill & circ clean. TOOH w/5 ¼" mill. TIH w/6 ¼" mill, mill on & spud on trash on liner, mill out 5' of liner to 2869'. TOOH w/6 ¼" mill. TIH w/5 ¼" mill & cut 28' liner.

5-02-1999 Mill out 103' of csg to 3000' circ clean. TOOH w/mill. TIH w/6 ¼" bit & string mill, tag cmt @ 2862'. Drill out & mill out cmt f/2862'- 3000' circ clean. TOOH w/bit. Set 7" CIBP @ 3000'. TIH w/5 ½" whipstock w/6 ¼" starting mill. Mill 18" of window.

5-03-1999 TOOH w/5 ½" starting mill. TIH w/6 ¼" window mill & 6 ¼" string mill. Mill & dress up window f/2981'- 2990', drill 6' of open hole. TOOH w/mills. TIH w/6 ¼" bit & 6 ¼" near bit stabilizer, survey @ 2965'= 1 deg. Drlg f/2996'- 3090', survey @ 3090= 7 deg. Drlg f/3090'- 3218' (TD). TOOH w/bit. TIH w/6 ¼" by 9 ½" underreamer. Underream f/2995'- 3143'

Continued on Reverse Side

14. I hereby certify that the foregoing is true and correct

Signed Tracy Ross
TRACY ROSS
Title Production Analyst Date June 16, 1999

(This space for Federal or State office use)

Approved by ______ Title ______ Date ACCEPTED FOR RECORD

Conditions of approval, if any:

AUG 03 1999

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR

FARMINGTON FIELD OFFICE
BY ______

Form 3160-4 (November 1983) (formerly 9-330)

.D STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPL

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: SF-078765
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

7. UNIT AGREEMENT NAME: Rosa Unit
8. FARM OR LEASE NAME: Rosa Unit
9. WELL NO.: 235
10. FIELD AND POOL, OR WILDCAT: Basin Fruitland Coal
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec.9,T-31-N,R-6-W NMPM

2. NAME OF OPERATOR: Meridian Oil Inc.

3. ADDRESS OF OPERATOR: PO Box 4289, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 890'N, 1765'E
At top prod. interval reported below
At total depth

14. PERMIT NO. 30-045-27853 DATE ISSUED

12. COUNTY OR PARISH: San Juan
13. STATE: NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
06-21-90	06-28-90	07-24-90	6458'GL	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3245'		1	→	Yes	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Fruitland Coal 3126-3213'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: IEL, CDL, HRL, NGT, ML

27. WAS WELL CORED: no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36.0#	511'	12 1/4"	472 cu.ft.	
7 "	23.0#	3011'	8 3/4"	1026 cu.ft.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4 1/2	2845	3244	82 cu.ft.	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	3194'	

31. PERFORATION RECORD (Interval, size and number)
3126-36', 3153-56', 3222-24', 3209-13' w/2 spf

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3126-3213'	98,700# 12/20 sand;
	8,700# 40/70 sand;
	6,000# 12/20
	69,700 gal. fluid

33.* PRODUCTION

DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in)
Shut-in waiting on pipeline connection, capable of commercial hydrocarbon proc

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→		122 MCF-pitot gge		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
SI 1507	SI 1523	→				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): To be sold   BHP @ 3190' 1648   TEST WITNESSED BY

ACCEPTED FOR RECORD
AUG 28 1990
FARMINGTON RESOURCE AREA

35. LIST OF ATTACHMENTS: none

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Regulatory Affairs DATE 8-9-90

*(See Instructions and Spaces for Additional Data on Reverse Side)

OPERATOR

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States...

The Rosa Unit # 239 Fruitland Coal Well (Non-Commercial from 10/1990 to 11/2005, Commercial from 11/2005) is located 835 feet from the South Line and 2510 feet from the West Line, Section 2, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on October 31, 1990, and completed in the Fruitland Coal formation on May 28, 1991. The well was treated with acid in October 1997 and stimulated with a foam frac in April 1998. In June 1999, the well was sidetracked and cavity completed in the open hole and a perforated liner (3010' to 3150') was hung off. In November 2005 a beam pumping unit was installed. This well has a 2 3/8" tubing string. Upon original drilling and completion, the well had no flow and no pressure build up. The well was not capable of production until 1998. Current flow rate on this well is between 950 and 1,100Mcfd.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 19.36% and is therefore determined commercial.

Attached to this document are the following:
* OGRE economic model output including gas price assumptions
* Historic production plot with forecast
* Well-bore schematic
* Well Completion or Recompletion Report and Log

Evaluating Engineer

Robert L. Goodwin III 3-25-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

101 ROSA UNIT # 239
102 FTC T31N-R6W-SEC. 2
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE NONE
120 01 1989 12 10 1 1990 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	3800.00	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	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	89.	.000	.000
315	3.	4480.000	2632.000
316	3.	7040.000	6734.000
317	3.	1120.000	265.000
318	3.	.000	.000
319	3.	160.000	.000
320	3.	5040.000	7384.000
321	3.	9500.000	5980.000
322	3.	6553.000	7769.000
323	3.	3340.000	8965.000
324	3.	4360.000	11797.000
325	3.	5460.000	9404.000
326	3.	2000.000	7415.000
327	3.	2480.000	10225.210
328	3.	2800.000	9312.280
329	3.	2560.000	8687.000
330	3.	2600.000	7014.000
331	3.	2000.000	7515.220
332	3.	2480.000	8468.930
333	3.	2880.000	7451.000
334	3.	2480.000	7889.000
335	3.	4320.000	8745.000
336	3.	2800.000	9028.680
337	3.	1920.000	9172.000
338	3.	520.000	4736.000
339	3.	3200.000	7977.000
340	3.	2400.000	7175.000
341	3.	880.000	5867.000
342	3.	1600.000	4045.830
343	3.	2320.000	4724.000
344	3.	1840.000	5910.000
345	3.	1360.000	5336.000
346	3.	2160.000	13272.000
347	3.	2640.000	21712.000
348	3.	1230.000	21935.000
349	3.	.000	5273.000
350	3.	2320.000	2735.000
351	3.	3120.000	17854.000
352	3.	3140.000	41063.000
353	3.	3440.000	65948.000
354	1.	1040.000	28975.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		7.234	896.447	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	7.234	896.447	715.634	22.000	YRS	D	1305.292	MMCF
411	GAS	EXP		19.316	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	19.316	715.634	.391	57.000	YRS	D	2521.636	MMCF
420	WATER	EXP		11.151	35.463	X	34.879	YRS	D		
CALC	WATER	EXP	END=	11.151	35.463	4.411	36.629	YRS	D	207.444	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 ! CASE $ARR17_OP_POV_APR07
629 ! CASE $AREA17
630 ! EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 ! SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 ! SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 ! SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 ! SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 ! WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 ! MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 ! DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 ! EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 ! CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 ! SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 ! SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
```

```
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
670 DATA OPCOST : 100 UNTIL 4 1998 : 1600 UNTIL 12 2004 : 3800 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
805 : ORIGINAL D&C COST
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1990.750	AD	G	89.968	129.255	.000		
806 : ORIGINAL FRAC									
806	INVEST	1998.400	AD	G	18.254	46.855	.000		
807 : SIDETRACK AND CAVITATE									
807	INVEST	1999.450	AD	G	98.651	191.713	.000		
808 : PUMPING UNIT									
808	INVEST	2005.850	AD	G	52.131	42.903	.000		

```
850 NOLOSS = ON

ECONOMIC LIFE  (YRS):      37.000
GROSS GAS     (MMCF):    2483.046
GROSS WATER     (MU):     207.444
```

ROSA UNIT # 239
FTC T31N-R6W-SEC. 2
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/25/08
TIME: 08:32:43
FILE: wpcp
PROP: 24425
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

AS OF OCTOBER 1, 1990

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			---------------OPERATIONS, M$--------------			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-90	.000	.000	.000	.000	.00	1.59	1.0	.000	.000	.000	.000
12-91	.000	.000	.000	.000	.00	1.20	1.0	.000	.000	.000	.000
12-92	.000	.000	.000	.000	.00	1.57	1.0	.000	.000	.000	.000
12-93	.000	.000	.000	.000	.00	1.80	1.0	.000	.000	.000	.000
12-94	.000	.000	.000	.000	.00	1.55	1.0	.000	.000	.000	.000
12-95	.000	.000	.000	.000	.00	1.12	1.0	.000	.000	.000	.000
12-96	.000	.000	.000	.000	.00	1.32	1.0	.000	.000	.000	.000
12-97	.000	.000	.000	.000	.00	1.58	1.0	.000	.000	.000	.000
12-98	.000	9.631	.000	8.148	.00	2.20	1.0	.000	17.954	.000	17.954
12-99	.000	15.954	.000	13.497	.00	1.77	1.0	.000	23.844	.000	23.844
12-00	.000	37.817	.000	31.993	.00	1.96	1.0	.000	62.597	.000	62.597
12-01	.000	35.505	.000	30.037	.00	3.35	1.0	.000	100.708	.000	100.708
12-02	.000	30.741	.000	26.007	.00	3.32	1.0	.000	86.455	.000	86.455
12-03	.000	33.784	.000	28.581	.00	4.39	1.0	.000	125.415	.000	125.415
12-04	.000	25.525	.000	21.594	.00	5.61	1.0	.000	121.214	.000	121.214
12-05	.000	23.091	.000	19.535	.00	7.85	1.0	.000	153.444	.000	153.444
12-06	.000	58.680	.000	49.643	.00	6.06	1.0	.000	300.823	.000	300.823
12-07	.000	155.663	.000	131.691	.00	6.68	1.0	.000	879.312	.000	879.312
12-08	.000	315.220	.000	266.676	.00	6.68	1.0	.000	1780.619	.000	1780.619
12-09	.000	292.417	.000	247.385	.00	6.68	1.0	.000	1651.811	.000	1651.811
12-10	.000	271.264	.000	229.489	.00	6.68	1.0	.000	1532.318	.000	1532.318
12-11	.000	235.077	.000	198.875	.00	6.68	1.0	.000	1327.906	.000	1327.906
12-12	.000	189.670	.000	160.461	.00	6.68	1.0	.000	1071.412	.000	1071.412
12-13	.000	153.034	.000	129.467	.00	6.68	1.0	.000	864.462	.000	864.462
12-14	.000	123.473	.000	104.458	.00	6.68	1.0	.000	697.475	.000	697.475
S TOT	.000	2006.546	.000	1697.537	.00	6.36	1.0	.000	10797.769	.000	10797.769
REM.	.000	476.500	.000	403.118	.00	6.68	1.0	.000	2691.655	.000	2691.655
TOTAL	.000	2483.046	.000	2100.655	.00	6.42	1.0	.000	13489.424	.000	13489.424

-END-	----------------OPERATIONS, M$----------------				------------CAPITAL COSTS, M$------------					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-90	.000	.000	.300	-.300	89.968	129.255	.000	.000	-219.523	-219.520
12-91	.000	.000	1.200	-1.200	.000	.000	.000	.000	-1.200	-220.653
12-92	.000	.000	1.200	-1.200	.000	.000	.000	.000	-1.200	-221.702
12-93	.000	.000	1.200	-1.200	.000	.000	.000	.000	-1.200	-222.673
12-94	.000	.000	1.200	-1.200	.000	.000	.000	.000	-1.200	-223.572
12-95	.000	.000	1.200	-1.200	.000	.000	.000	.000	-1.200	-224.405
12-96	.000	.000	1.200	-1.200	.000	.000	.000	.000	-1.200	-225.176
12-97	.000	.000	1.200	-1.200	.000	.000	.000	.000	-1.200	-225.890
12-98	1.616	.163	43.536	-27.361	18.254	46.855	.000	.000	-92.470	-277.096
12-99	2.146	.217	59.722	-38.241	98.651	191.713	.000	.000	-328.605	-445.245
12-00	5.634	.570	62.870	-6.477	.000	.000	.000	.000	-6.477	-448.303
12-01	9.064	.916	43.296	47.432	.000	.000	.000	.000	47.432	-427.565
12-02	7.781	.787	43.008	34.879	.000	.000	.000	.000	34.879	-413.445
12-03	11.287	1.141	45.278	67.709	.000	.000	.000	.000	67.709	-388.065
12-04	10.909	1.103	36.864	72.338	.000	.000	.000	.000	72.338	-362.958
12-05	13.810	1.396	63.137	75.101	52.131	42.903	.000	.000	-19.933	-368.552
12-06	27.074	2.737	60.199	210.813	.000	.000	.000	.000	210.813	-305.822
12-07	79.138	8.002	75.089	717.083	.000	.000	.000	.000	717.083	-108.252
12-08	160.256	16.204	74.899	1529.260	.000	.000	.000	.000	1529.260	281.878
12-09	148.663	15.031	71.633	1416.484	.000	.000	.000	.000	1416.484	616.471
12-10	137.909	13.944	68.729	1311.736	.000	.000	.000	.000	1311.736	903.369
12-11	119.512	12.084	66.151	1130.159	.000	.000	.000	.000	1130.159	1132.243
12-12	96.427	9.750	63.857	901.378	.000	.000	.000	.000	901.378	1301.264
12-13	77.802	7.867	61.824	716.969	.000	.000	.000	.000	716.969	1425.747
12-14	62.773	6.347	60.014	568.341	.000	.000	.000	.000	568.341	1517.115
S TOT	971.801	98.259	1008.806	8718.903	259.004	410.726	.000	.000	8049.173	1517.115
REM.	242.248	24.495	629.358	1795.554	.000	.000	.000	.000	1795.554	1741.828
TOTAL	1214.049	122.754	1638.164	10514.457	259.004	410.726	.000	.000	9844.727	1741.828

ROSA UNIT # 239
FTC T31N-R6W-SEC. 2
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/25/08
TIME: 08:32:43
FILE: wpcp
PROP: 24425
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF OCTOBER 1, 1990

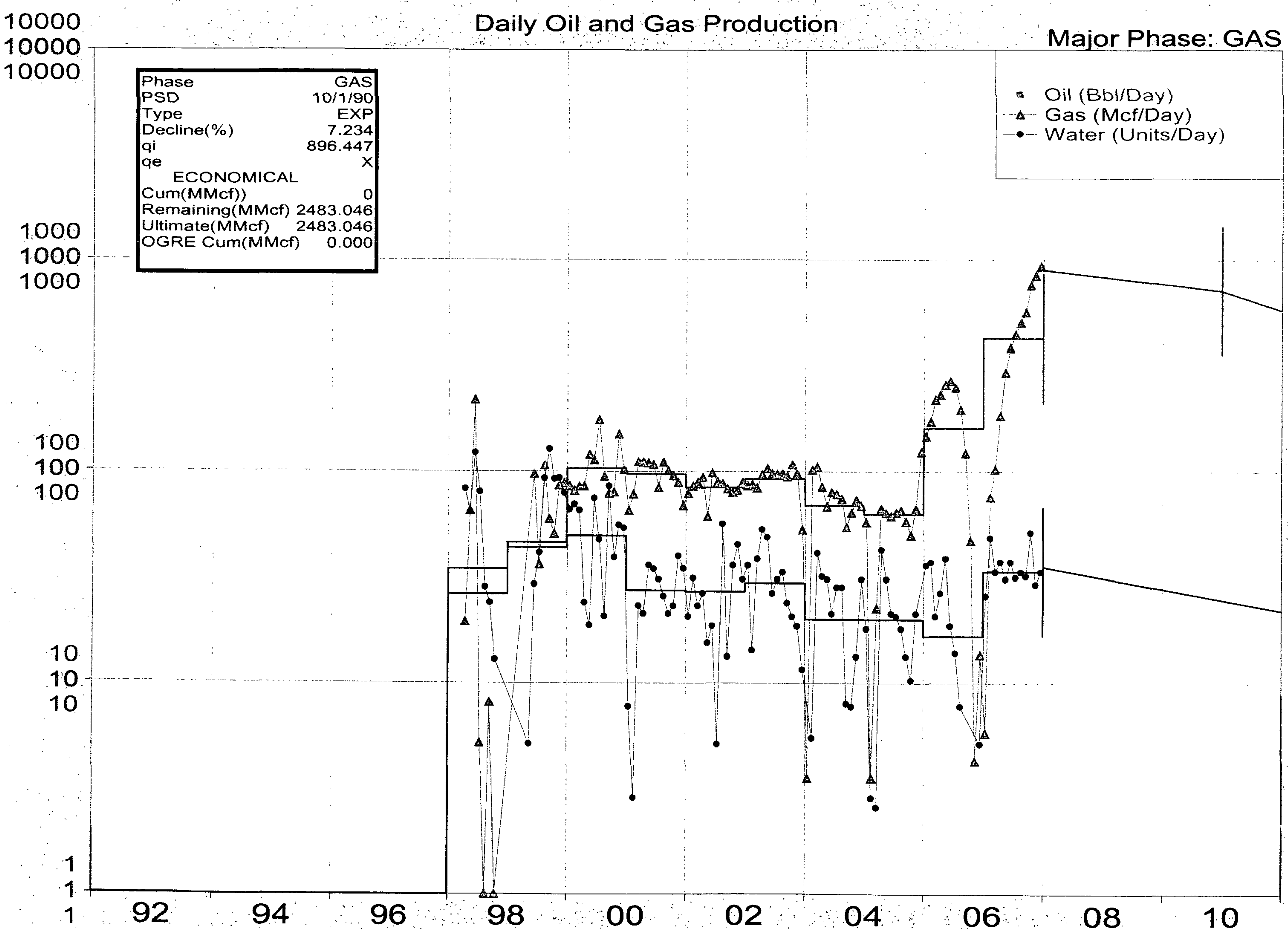
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-90	-.300	6.426	.000	129.255	.000	-135.981	.000	-53.033	-166.490	-166.995
12-91	-1.200	23.869	.000	.000	.000	-25.069	.000	-9.777	8.577	-158.899
12-92	-1.200	17.050	.000	.000	.000	-18.250	.000	-7.118	5.918	-153.727
12-93	-1.200	12.178	.000	.000	.000	-13.378	.000	-5.217	4.017	-150.476
12-94	-1.200	8.698	.000	.000	.000	-9.898	.000	-3.860	2.660	-148.483
12-95	-1.200	7.908	.000	.000	.000	-9.108	.000	-3.552	2.352	-146.851
12-96	-1.200	7.908	.000	.000	.000	-9.108	.000	-3.552	2.352	-145.340
12-97	-1.200	5.931	.000	.000	.000	-7.131	.000	-2.781	1.581	-144.400
12-98	-27.361	3.129	.000	46.855	.000	-77.345	.000	-30.165	-62.305	-178.993
12-99	-38.241	19.824	.000	191.713	.000	-249.778	.000	-97.413	-231.192	-297.464
12-00	-6.477	26.843	.000	.000	.000	-33.320	.000	-12.995	6.518	-294.386
12-01	47.432	19.174	.000	.000	.000	28.258	.000	11.021	36.411	-278.467
12-02	34.879	13.742	.000	.000	.000	21.137	.000	8.243	26.636	-267.684
12-03	67.709	10.405	.000	.000	.000	57.304	.000	22.349	45.360	-250.681
12-04	72.338	10.404	.000	.000	.000	61.934	.000	24.154	48.184	-233.958
12-05	75.101	11.666	.000	42.903	.000	20.532	.000	8.007	-27.940	-242.125
12-06	210.813	18.208	.000	.000	.000	192.605	.000	75.116	135.697	-201.747
12-07	717.083	10.183	.000	.000	.000	706.900	.000	275.691	441.392	-80.135
12-08	1529.260	7.274	.000	.000	.000	1521.986	.000	593.575	935.685	158.568
12-09	1416.484	5.195	.000	.000	.000	1411.289	.000	550.403	866.081	363.148
12-10	1311.736	4.558	.000	.000	.000	1307.178	.000	509.799	801.937	538.545
12-11	1130.159	4.557	.000	.000	.000	1125.602	.000	438.985	691.174	678.518
12-12	901.378	3.874	.000	.000	.000	897.504	.000	350.027	551.351	781.904
12-13	716.969	.000	.000	.000	.000	716.969	.000	279.618	437.351	857.839
12-14	568.341	.000	.000	.000	.000	568.341	.000	221.653	346.688	913.574
S TOT	8718.903	259.004	.000	410.726	.000	8049.173	.000	3139.178	4909.995	913.574
REM.	1795.554	.000	.000	.000	.000	1795.554	.000	700.265	1095.289	1050.650
TOTAL	10514.457	259.004	.000	410.726	.000	9844.727	.000	3839.443	6005.284	1050.650

BTAX RATE OF RETURN (PCT)	19.36	ATAX RATE OF RETURN (PCT)	18.77
BTAX PAYOUT	04/30/2007	ATAX PAYOUT	05/13/2007
BTAX PAYOUT (DISC)	04/11/2008	ATAX PAYOUT (DISC)	04/30/2008
BTAX NET INCOME/INVEST	15.70	ATAX NET INCOME/INVEST	9.97
BTAX NET INCOME/INVEST (DISC)	5.02	ATAX NET INCOME/INVEST (DISC)	3.42
PRODUCTION START DATE	10/01/90	PROJECT LIFE (YEARS)	37.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	2483.046
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	2483.046
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	9844.727	6005.284
2.0	6376.005	3884.805
5.0	3345.083	2031.452
8.0	1741.828	1050.650
10.0	1107.252	662.225
12.0	681.509	401.468
15.0	286.191	159.088
18.0	63.063	22.005
20.0	-29.438	-34.981
25.0	-154.274	-112.343
30.0	-203.903	-143.669
35.0	-222.996	-156.269
40.0	-229.522	-161.136
45.0	-230.922	-162.822
50.0	-230.345	-163.248
60.0	-227.784	-163.109
70.0	-225.498	-162.967
80.0	-223.887	-163.098
90.0	-222.806	-163.431
100.0	-222.084	-163.880

Property 24425
ROSA UNIT # 239



STATE OF NEW MEXICO
ENERGY, MI RALS AND NATURAL RESOURCE DEPARTMENT

Form C-1
Revised 1-1-

OIL CONSERVATION DIVISION

1000 BRAZOS RD.
AZTEC, NM 87410

Submit 3 copies to
Appropriate District Office

DISTRICT 1
P O Box 1980, Hobbs, NM 88240
DISTRICT 2
P O Drawer DD, Artesia, NM 88210
DISTRICT 3
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. 30-039-24361

5. Indicate Type of Lease STATE ■ FEE☐

6. State Oil & Gas Lease No. E-289-41

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

7. Lease Name or Unit Agreement Name
ROSA UNIT

RECEIVED
APR 1 3 1998
OIL CON. DIV.
DIST. 3

1. Type of Well: OIL WELL ☐ GAS WELL ■ OTHER ☐

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

8. Well No.
239

3. Address of Operator
P O BOX 3102, TULSA, OK 74101

9. Pool Name or Wildcat
BASIN FRUITLAND COAL

4. Well Location
Unit Letter N : 835 Feet From The SOUTH Line and 2510 Feet From The WEST Line

Section 2 Township 31N Range 6W NMPM RIO ARRIBA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
6346' GR

CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPINIONS ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	OTHER Fracture Stimulate Perforation ■

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

4-01-1998 MOL and RU. Spot all equipment. Fill two 400 BBl tanks. Pressure on csg = 1500#. Pressure on tbg = 300#. Blew well down slowly. Kill tbg with 10 BBls. NU BOP. Lay blooie lines. Secure location. SDON.

4-02-1998 RIH with 3 jts and 10'. Tally out. Tally showed bottom at 3186'. TIH with mill to clean casing. TOH. TIH with 4-1/2" RBP and set at 2900'. Repair one small leak in BOP. Test BOP and casing to 3300# for 15 min, held OK. Release RBP and TOH. Rig up flow back manifold, stake down line, fence pit. SDON

4-03-1998 Rig up BJ. Pressure test lines. Frac well with 87,980# 20/40 Arizona sand in 20# x-linked 65 quality N2 foam. Well treated tight. 12 BPM @ 3340# initially. Gradually increased rate to 40.5 BPM @ 3400#. All sand flushed to top perforation. Min TP = 2610#, Max TP = 3300#. ATP = 2780#. Min IR = 11 BPM, Max IR = 40.5, AIR = 36 BPM. ISIP = 1500. Open well through 1/8" choke. Pressure dropped to 340#. Secure location and turned over to nightwatch.

4-04-1998 Well flowing, making little water & nitrogen. Open to full 2". RIH w/ tbg. to liner top. Unload w/ compressor. RIH & tag fill - 10'. Clean out to PBTD w/ compressor. Making little sand. Ran sweep & pull up to 3000'. Turn over to night watch. Secure location.

4-05-1998 Start rig, RIH & tag 8' of sand fill. Clean out w/ compressor. Well quit making sand. Ran sweep to clean up. Pull up & land tbg. Pitot gauge 1# through 1" line = 154 mcfd. Tubing: 3068' + 12' (KB): tubing landed @ 3080'. RD & start moving to Rosa #125.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Susan Griguhn TITLE CLERK DATE April 6, 1998

TYPE OR PRINT NAME SUSAN GRIGUHN TELEPHONE NO. (918) 561-6254

(This space for State Use)
APPROVED BY Johnny Robinson TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE APR 1 3 1998
CONDITIONS OF APPROVAL, IF ANY:

State of New Mexico — Form C-103
Energy,Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUNDRY NOTICES AND REPORTS ON WELLS	API NO.(assigned by OCD on new well 30-039-24361 5. Indicate Type of Lease STATE 6. State Oil & Gas Lease No. E-289-41
1a. Type of Well GAS	7. Lease Name or Unit Agreement Nam ROSA UNIT COM
2. Name of Operator MERIDIAN OIL INC.	8. Well No. 239
3. Address of Operator PO Box 4289, Farmington,NM 87499	9. Pool Name or Wildcat BASIN FRUITLAND COAL

4. Well Location
Unit letter N 835'FSL 2510'FWL
Section 2 T31N R06W NMPM RIO ARRIBA COUNTY

10. Elevation
6346'

11. SUBSEQUENT REPORT OF: SPUD

12. Describe proposed or completed operations

SPUD DATE: 103190 SPUD TIME: 1915

TD 534', Ran 12 jts of 9 5/8" 36.0# K-55 casing, 510' set @ 522'
Cemented with 400 sacks of Class B cement with 1/4#
Flocele/sack and 3% calcium chloride,(472 cu ft.).
Circulated 28 bbl to surface. WOC 12 hours.
Pressure tested to 1000 psi for 30 minutes. Held OK.

DATE: 110390

540
100
TD 3030', Ran 70 jts of 7" 20.0# K-55 casing, 3018' set @ 3030'
Lead with 540 sacks of Class B cement 65/35 Poz, 6% gel,
5# gilsonite/sack, 2% CaCl2, 1/4# Flocele/sack (956 cu ft.).
Tail with 100 sacks of Class B cement with
2% CaCl2 (118 cu ft.). Circulated 35 bbl to surface.

SIGNATURE [signature] TITLE Regulatory Affairs DATE 11-19-90

(This space for State Use)

APPROVED BY ____________ TITLE ____________ DATE ____________
Conditions of approval, if any:

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

1000 BRAZOS RD.
AZTEC, NM 87410

Submit 3 copies to
Appropriate District Office

DISTRICT 1
P O Box 1980, Hobbs, NM 88240
DISTRICT 2
P O Drawer DD, Artesia, NM 88210
DISTRICT 3
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. 30-039-24361

5. Indicate Type of Lease STATE ■ FEE ☐

6. State Oil & Gas Lease No. E-289-41

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

7. Lease Name or Unit Agreement Name
ROSA UNIT

RECEIVED
JUN 2 8 1999
OIL CON. DIV.
DIST. 3

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P O BOX 3102, MS: 37-2, TULSA, OK 74101

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Unit Letter N : 835 Feet From The SOUTH Line and 2510 Feet From The WEST Line

Section 2 Township 31N Range 6W NMPM RIO ARRIBA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
6346' GR

CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPINIONS ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER CAVITATION ■	CASING TEST AND CEMENT JOB ☐ other	OTHER ~~☐~~

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

5-21-1999 Load out equip, road rig to loc. RU rig & spot equip. Blow well down. NDWH, NU BOPs & blooie line. Test BOPs. Unseat donut & TOH w/98 jts 2-3/8" tbg. WL set 4 ½" CIBP @ 3035'. CO rams. Start in w/6 ¼"mill & DC's

5-22-1999 Tag liner hanger @ 2844'. Mill out hanger w/prod wtr f/2844'- 2854' circ clean. TOH w/6 ¼" mill. TIH 5 ¼" mill. Feather/mill on hanger trash f/2854'- 2856'. Mill out 87' of 4 ½" csg f/2856'- 2943'

Continued on reverse side

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Tracy Ross TITLE Production Analyst DATE June 23, 1999

TYPE OR PRINT NAME TRACY ROSS TELEPHONE NO. 918/573-6254

(This space for State Use) ORIGINAL SIGNED BY ERNIE BUSCH
APPROVED BY ______ TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE JUL 8 1999
CONDITIONS OF APPROVAL, IF ANY:

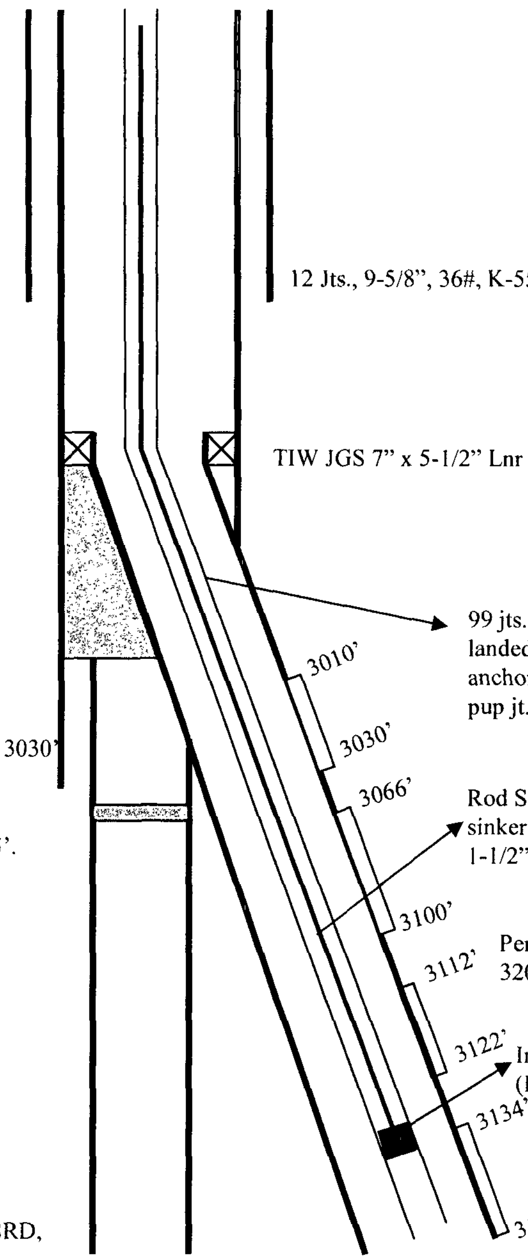
ROSA UNIT #239
BASIN FRUITLAND COAL

Spud:	10/31/1990
Completed:	05/28/1991
Acid Job:	10/23/1997
First Delivery:	03/05/1998
Frac Job:	04/05/1998
Sidetrack & Cavitate:	06/15/1999
Pump Install:	11/21/2005

Location:
835' FSL and 2510' FWL
SE/4 SW/4 Sec. 2 N, T31N R6W
Rio Arriba, New Mexico
Elevation GL: 6346'

API # 30-039-24361

Top	Depth
Ojo Alamo	2400'
Kirtland	2495'
Fruitland	2930'



Underream 6-1/4" – 9-1/2" from
3006' – 3153'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	400 sx	472 cu. ft.	Surface
8-3/4"	7", 20#	640 sx	1074 cu. ft.	Surface
6-1/4"	4-1/2", 10.5#	55 sx	76	2844'
9-1/2"	5-1/2", 17#	None	N.A.	N.A.

RML 04/23/07

<u>The Rosa Unit # 261 Fruitland Coal Well (Non-Commercial from 10/1990 to 2/2006, Commercial from 2/2006)</u> is located 1765 feet from the South Line and 655 feet from the West Line, Section 10, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on October 17, 1990, and completed in the Fruitland Coal formation on November 6, 1990. In August 2000, the well was sidetracked and cavitated and a perforated liner (2974' to 3081') was hung off. In February 2006, a beam pumping unit was installed. This well has a 2 3/8" tubing string. Upon original drilling and completion, the well IP'd at 101 Mcfd and had a SCIP of 1027 psig. Current flow rate on this well is between 500 and 600Mcfd.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 13.73% and is therefore determined commercial.

Attached to this document are the following:
* OGRE economic model output including gas price assumptions
* Historic production plot with forecast
* Well-bore schematic
* Well Completion or Recompletion Report and Log

Evaluating Engineer Robert L. Goodwin III 3-25-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

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OGRE(R) V2.2  BATAX                                    D A T A   R E P O R T                                  DATE: 03/25/08
FILE NAME: wpcp     (24427)                            - - - -   - - - - - -                                  TIME: 11:36:51
CASE NAME: COMM RU 261 FTC                -261         -90TH-RLG-              -SJB
101 ROSA UNIT # 261
102 FTC T31N-R6W-SEC. 10
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE NONE
120 01 1989 12 10 30 1990 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 2

        W.I.        OP. COST    OP. COST    ADV. TAX    MAJOR     PROD  DATE
        FRACTION    ($/W/MO)    ($/MO.)     (PCT)       PH. NAME  (MO/DY/YR)
        --------    --------    --------    --------    --------  ----------
210   1.00000000         .00     4200.00       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    .84600000      5.470       9.000         1.0
224     WATER           .000    .84600000       .000        .000          .0

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

305          MAN       WATER        GAS
310         FACT       1.000       1.000
314          50.        .000        .000
315           3.        .000    1600.000
316           3.       4.000     504.000
317           3.     150.000      98.000
318           3.        .000      28.000
319           3.    1280.000     126.000
320           3.     515.000      69.000
321           3.     660.000      92.000
322           3.     800.000      64.000
323           3.        .000      38.000
324           3.     435.000     224.000
325           3.    1980.000     201.000
326           3.    2180.000     595.000
327           3.     400.000      57.000
328           3.        .000        .000
329           3.     780.000     553.000
330           3.        .000     553.000
331           3.     240.000     264.000
332           3.        .000     280.000
333           3.        .000     308.000
334           3.        .000     102.000
335           3.     720.000     847.190
336           3.        .000    1666.380
337           3.      80.000    2472.690
338           3.     660.000    1247.310
339           3.    3640.000    1134.780
340           3.    5660.000    2216.050
341           3.    3170.000    2095.460
342           3.    3120.000    1932.000
343           3.    3280.000    1943.000
344           3.    1920.000    1765.180
345           3.    1920.000    1663.280
346           3.    2160.000    2637.000
347           3.     640.000     517.000
348           3.    3280.000    3078.000
349           3.    1360.000    2398.220
350           3.    2000.000    2714.000
351           3.    1440.000    1801.000
352           3.    1515.000     860.000
353           3.    2320.000    2098.000
354           3.    2000.000    2331.000
355           3.     160.000     391.860
356           3.      80.000     259.000
357           3.    1760.000    3022.000
358           3.    1670.000    4001.000
359           3.     740.000    4017.000
360           3.        .000    2192.000
361           3.      35.000    1145.000
362           3.     480.000     894.000
363           3.    4720.000   18623.000
364           3.    3520.000   41706.000
365           3.    2640.000   54372.000
366           3.    2640.000   53476.000
367           1.     480.000   16167.000

        PH. NAME    CURVE TP    DECLINE%    QI  RATE    QT  RATE         CUM. LIMIT          (M OR Y)         CALC VALUE
        --------    --------    --------    --------    --------    --------------------     --------    --------------------
 410    GAS         EXP            6.709     530.038           X        3.000    IYRS           D
CALC    GAS         EXP     END=   6.709     530.038     430.354       22.000    YRS            D             767.361    MMCF
 411    GAS         EXP           18.000    LAST               X       35.000    IYRS           D
CALC    GAS         EXP     END=  18.000     430.354        .414       57.000    YRS            D            1558.126    MMCF
 420    WATER       EXP            8.054      31.112           X       34.879    YRS            D
CALC    WATER       EXP     END=   8.054      31.112       7.080       36.629    YRS            D             173.697    M-UNITS

600 SERIES LINES:
-----------------
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 : CASE $ARR17_OP_POV_APR07
629 : CASE $AREA17
630 ! EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 ! SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 : SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 : SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 ! SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
```

```
636 ! WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 ! MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 ! DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 ! EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 ! CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 ! SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 ! SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 ! SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 ! SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 ! WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 ! MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 ! MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 ! CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 ! ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
670 DATA OPCOST : 700 UNTIL 12 1996 : 1100 UNTIL 12 1999 : 2400 UNTIL 12 2005
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
805 ! ORIGINAL D&C COST
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1990.750	AD	G	122.457	162.657	.000		
806 ! RECAVITATION									
806	INVEST	2000.600	AD	G	124.354	219.903	.000		
807 ! PUMP INSTALL									
807	INVEST	2006.100	AD	G	44.782	36.358	.000		

```
850 NOLOSS = ON
```

ECONOMIC LIFE	(YRS):	34.000
GROSS GAS	(MMCF):	1498.902
GROSS WATER	(MU):	169.185

ROSA UNIT # 261
FTC T31N-R6W-SEC. 10
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/25/08
TIME: 11:36:51
FILE: wpcp
PROP: 24427
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF OCTOBER 30, 1990

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			---------------OPERATIONS, M$--------------			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-90	.000	.000	.000	.000	.00	1.59	1.0	.000	.000	.000	.000
12-91	.000	.000	.000	.000	.00	1.20	1.0	.000	.000	.000	.000
12-92	.000	.000	.000	.000	.00	1.57	1.0	.000	.000	.000	.000
12-93	.000	.000	.000	.000	.00	1.80	1.0	.000	.000	.000	.000
12-94	.000	.533	.000	.451	.00	1.55	1.0	.000	.698	.000	.698
12-95	.000	1.739	.000	1.471	.00	1.12	1.0	.000	1.649	.000	1.649
12-96	.000	.322	.000	.272	.00	1.32	1.0	.000	.359	.000	.359
12-97	.000	1.064	.000	.900	.00	1.58	1.0	.000	1.419	.000	1.419
12-98	.000	1.232	.000	1.042	.00	2.20	1.0	.000	2.296	.000	2.296
12-99	.000	1.148	.000	.971	.00	1.77	1.0	.000	1.715	.000	1.715
12-00	.000	6.330	.000	5.355	.00	1.96	1.0	.000	10.478	.000	10.478
12-01	.000	7.648	.000	6.470	.00	3.35	1.0	.000	21.693	.000	21.693
12-02	.000	7.533	.000	6.373	.00	3.32	1.0	.000	21.186	.000	21.186
12-03	.000	9.135	.000	7.728	.00	4.39	1.0	.000	33.911	.000	33.911
12-04	.000	6.620	.000	5.601	.00	5.61	1.0	.000	31.440	.000	31.440
12-05	.000	8.882	.000	7.514	.00	7.85	1.0	.000	59.021	.000	59.021
12-06	.000	13.117	.000	11.097	.00	6.06	1.0	.000	67.245	.000	67.245
12-07	.000	178.136	.000	150.703	.00	6.68	1.0	.000	1006.257	.000	1006.257
12-08	.000	186.899	.000	158.117	.00	6.68	1.0	.000	1055.761	.000	1055.761
12-09	.000	174.360	.000	147.509	.00	6.68	1.0	.000	984.930	.000	984.930
12-10	.000	162.663	.000	137.613	.00	6.68	1.0	.000	918.854	.000	918.854
12-11	.000	142.474	.000	120.533	.00	6.68	1.0	.000	804.809	.000	804.809
12-12	.000	116.830	.000	98.838	.00	6.68	1.0	.000	659.950	.000	659.950
12-13	.000	95.800	.000	81.047	.00	6.68	1.0	.000	541.158	.000	541.158
12-14	.000	78.556	.000	66.458	.00	6.68	1.0	.000	443.746	.000	443.746
S TOT	.000	1201.021	.000	1016.063	.00	6.56	1.0	.000	6668.575	.000	6668.575
REM.	.000	297.881	.000	252.007	.00	6.68	1.0	.000	1682.672	.000	1682.672
TOTAL	.000	1498.902	.000	1268.070	.00	6.59	1.0	.000	8351.247	.000	8351.247

-END-	----------------OPERATIONS, M$----------------				------------CAPITAL COSTS, M$------------					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-90	.000	.000	2.100	-2.100	122.457	162.657	.000	.000	-287.214	-288.956
12-91	.000	.000	8.400	-8.400	.000	.000	.000	.000	-8.400	-296.934
12-92	.000	.000	8.400	-8.400	.000	.000	.000	.000	-8.400	-304.321
12-93	.000	.000	8.400	-8.400	.000	.000	.000	.000	-8.400	-311.160
12-94	.063	.006	8.400	-7.771	.000	.000	.000	.000	-7.771	-317.019
12-95	.148	.015	9.794	-8.308	.000	.000	.000	.000	-8.308	-322.818
12-96	.032	.003	15.187	-14.863	.000	.000	.000	.000	-14.863	-332.425
12-97	.128	.013	24.547	-23.269	.000	.000	.000	.000	-23.269	-346.351
12-98	.207	.021	15.905	-13.837	.000	.000	.000	.000	-13.837	-354.019
12-99	.154	.016	14.160	-12.615	.000	.000	.000	.000	-12.615	-360.492
12-00	.943	.095	34.639	-25.199	124.354	219.903	.000	.000	-369.456	-534.762
12-01	1.952	.197	65.928	-46.384	.000	.000	.000	.000	-46.384	-555.166
12-02	1.907	.193	48.960	-29.874	.000	.000	.000	.000	-29.874	-567.334
12-03	3.052	.309	46.913	-16.363	.000	.000	.000	.000	-16.363	-573.505
12-04	2.830	.286	45.235	-16.911	.000	.000	.000	.000	-16.911	-579.410
12-05	5.312	.537	38.074	15.098	.000	.000	.000	.000	15.098	-574.528
12-06	6.052	.612	56.594	3.987	44.782	36.358	.000	.000	-77.153	-598.386
12-07	90.563	9.157	80.225	826.312	.000	.000	.000	.000	826.312	-369.325
12-08	95.018	9.607	76.541	874.595	.000	.000	.000	.000	874.595	-144.838
12-09	88.644	8.963	74.436	812.887	.000	.000	.000	.000	812.887	48.355
12-10	82.697	8.362	72.499	755.296	.000	.000	.000	.000	755.296	214.564
12-11	72.433	7.324	70.721	654.331	.000	.000	.000	.000	654.331	347.889
12-12	59.396	6.006	69.084	525.464	.000	.000	.000	.000	525.464	447.025
12-13	48.704	4.925	67.579	419.950	.000	.000	.000	.000	419.950	520.386
12-14	39.937	4.038	66.194	333.577	.000	.000	.000	.000	333.577	574.342
S TOT	600.172	60.685	1028.915	4978.803	291.593	418.918	.000	.000	4268.292	574.342
REM.	151.441	15.313	549.228	966.690	.000	.000	.000	.000	966.690	699.058
TOTAL	751.613	75.998	1578.143	5945.493	291.593	418.918	.000	.000	5234.982	699.058

ROSA UNIT # 261
FTC T31N-R6W-SEC. 10
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/25/08
TIME: 11:36:51
FILE: wpcp
PROP: 24427
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF OCTOBER 30, 1990

-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-90	-2.100	8.747	.000	162.657	.000	-173.504	.000	-67.667	-219.547	-221.525
12-91	-8.400	32.489	.000	.000	.000	-40.889	.000	-15.947	7.547	-214.358
12-92	-8.400	23.206	.000	.000	.000	-31.606	.000	-12.326	3.926	-210.906
12-93	-8.400	16.575	.000	.000	.000	-24.975	.000	-9.740	1.340	-209.815
12-94	-7.771	11.840	.000	.000	.000	-19.611	.000	-7.648	-.123	-209.908
12-95	-8.308	10.764	.000	.000	.000	-19.072	.000	-7.438	-.870	-210.515
12-96	-14.863	10.763	.000	.000	.000	-25.626	.000	-9.994	-4.869	-213.662
12-97	-23.269	8.073	.000	.000	.000	-31.342	.000	-12.223	-11.046	-220.273
12-98	-13.837	.000	.000	.000	.000	-13.837	.000	-5.396	-8.441	-224.951
12-99	-12.615	.000	.000	.000	.000	-12.615	.000	-4.920	-7.695	-228.899
12-00	-25.199	14.212	.000	219.903	.000	-259.314	.000	-101.132	-268.324	-355.122
12-01	-46.384	31.469	.000	.000	.000	-77.853	.000	-30.363	-16.021	-362.170
12-02	-29.874	22.478	.000	.000	.000	-52.352	.000	-20.417	-9.457	-366.022
12-03	-16.363	16.056	.000	.000	.000	-32.419	.000	-12.643	-3.720	-367.425
12-04	-16.911	11.468	.000	.000	.000	-28.379	.000	-11.068	-5.843	-369.465
12-05	15.098	11.027	.000	.000	.000	4.071	.000	1.588	13.510	-365.097
12-06	3.987	22.543	.000	36.358	.000	-54.914	.000	-21.416	-55.737	-382.544
12-07	826.312	16.121	.000	.000	.000	810.191	.000	315.974	510.338	-241.074
12-08	874.595	6.789	.000	.000	.000	867.806	.000	338.444	536.151	-103.457
12-09	812.887	4.850	.000	.000	.000	808.037	.000	315.134	497.753	14.840
12-10	755.296	3.910	.000	.000	.000	751.386	.000	293.041	462.255	116.563
12-11	654.331	3.911	.000	.000	.000	650.420	.000	253.664	400.667	198.202
12-12	525.464	3.911	.000	.000	.000	521.553	.000	203.406	322.058	258.963
12-13	419.950	.391	.000	.000	.000	419.559	.000	163.628	256.322	303.740
12-14	333.577	.000	.000	.000	.000	333.577	.000	130.095	203.482	336.653
S TOT	4978.803	291.593	.000	418.918	.000	4268.292	.000	1664.636	2603.656	336.653
REM.	966.690	.000	.000	.000	.000	966.690	.000	377.009	589.681	412.729
TOTAL	5945.493	291.593	.000	418.918	.000	5234.982	.000	2041.645	3193.337	412.729

BTAX RATE OF RETURN (PCT)	13.73	ATAX RATE OF RETURN (PCT)	13.31
BTAX PAYOUT	02/15/2008	ATAX PAYOUT	02/21/2008
BTAX PAYOUT (DISC)	09/30/2009	ATAX PAYOUT (DISC)	11/16/2009
BTAX NET INCOME/INVEST	8.37	ATAX NET INCOME/INVEST	5.49
BTAX NET INCOME/INVEST (DISC)	2.47	ATAX NET INCOME/INVEST (DISC)	1.87
PRODUCTION START DATE	10/01/90	PROJECT LIFE (YEARS)	34.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	1498.902
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	1498.902
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	5234.982	3193.337
2.0	3286.437	1999.593
5.0	1589.127	959.075
8.0	699.058	412.729
10.0	351.027	198.734
12.0	120.575	56.738
15.0	-88.959	-72.846
18.0	-203.113	-143.992
20.0	-248.537	-172.611
25.0	-305.454	-209.390
30.0	-323.961	-222.521
35.0	-328.180	-226.782
40.0	-327.361	-227.834
45.0	-325.073	-227.876
50.0	-322.642	-227.732
60.0	-318.798	-227.777
70.0	-316.474	-228.439
80.0	-315.231	-229.507
90.0	-314.675	-230.787
100.0	-314.533	-232.156

Form 3160—4
(November 1983)
(formerly 9—330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004—0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.: SF-078765

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR: Meridian Oil Inc.

3. ADDRESS OF OPERATOR: PO Box 4289, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 1765'S, 655'W
At top prod. interval reported below
At total depth

7. UNIT AGREEMENT NAME: Rosa Unit

8. FARM OR LEASE NAME: Rosa Unit

9. WELL NO.: 261

10. FIELD AND POOL, OR WILDCAT: Basin Fruitland Co

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec.10,T-31-N,R-6-W NMPM

14. PERMIT NO.: 30-0 39- | DATE ISSUED:

12. COUNTY OR PARISH: Rio Arriba | 13. STATE: NM

15. DATE SPUDDED: 10-17-90 | 16. DATE T.D. REACHED: 10-19-90 | 17. DATE COMPL. (Ready to prod.): 11-6-90 | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 6291'GL | 19. ELEV. CASINGHEAD:

20. TOTAL DEPTH, MD & TVD: 3118' | 21. PLUG, BACK T.D., MD & TVD: | 22. IF MULTIPLE COMPL., HOW MANY*: | 23. INTERVALS DRILLED BY → | ROTARY TOOLS: yes | CABLE TOOLS:

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Fruitland Coal (2973-3092')

25. WAS DIRECTIONAL SURVEY MADE: no

26. TYPE ELECTRIC AND OTHER LOGS RUN: CNL/LDT/DIL/NGT/MLT

27. WAS WELL CORED: no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24.0#	220'	12 1/4"	248 cu.ft.	
5 1/2"	15.5#	3118'	7 7/8"	1010 cu.ft.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	3066'	

31. PERFORATION RECORD (Interval, size and number)
2973-76', 2989-90', 3020-26', 3033-37', 3068-70', 3077-81', 3090-92'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2973-3092'	6500# 40/70 sand;
	138,000# 20/40 sand;
	80,750 gal. fluid

33.* PRODUCTION

DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in)
shut in,waiting on pipeline; capable of commercial hydrocarbon production

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
					101 MCF	-pitot gge	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
SI 1319	SI 1027					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): to be sold BHP @ 3060 1541 | TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: none

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Regulatory Affairs DATE 1-3-91

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent

In Lieu of
Form 3160
(June 1990)

U ED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

RECEIVED
070 FARMINGTON NM

SUBMIT IN TRIPLICATE

1.	Type of Well Oil Well X Gas Well Other	5.	Lease Designation and Serial No. SF-078765
		6.	If Indian, Allottee or Tribe Name
		7.	If Unit or CA. Agreement Designation ROSA UNIT
		8.	Well Name and No. ROSA UNIT #261
2.	Name of Operator WILLIAMS PRODUCTION COMPANY	9.	API Well No. 30-045-28408
3.	Address and Telephone No. PO BOX 3102 MS 25-2, TULSA, OK 74101 (918) 573-6254	10.	Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
4.	Location of Well (Footage, Sec., T., R., M., or Survey Description) 1765' FSL & 655' FWL, NW/4 SW/4 SEC 10-T31N-R06W	11.	County or Parish, State SAN JUAN, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
X Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment	Altering Casing	Conversion to Injection
	Other Pumping Unit & Rod Installation	Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

02-02-2006 MIRU, NDWH & NUBOP's, pull tbg hanger & PU 1 jt & tag fill, break circ, C/O appr 7' of fill, circ well clean, TOOH w/ tbg, SDFN

02-03-2006 TOOH w/ tbg, inspect SN, TIH w/ tbg, land well, NDBOP's & NUWH, TIH w/ 1 ¼" pump & rods, seat pump & load tbg & psi test @ 500 psi, stroke w/ rig, SDFN

02-06-2006 Turn well to production department, release rig @ 1000 hrs.

14. I hereby certify that the foregoing is true and correct

Signed Tracy Ross Title Sr. Production Analyst Date February 27, 2006
Tracy Ross

(This space for Federal or State office use)

Approved by ____________ Title ____________ Date ____________

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ACCEPTED FOR RECORD

MAR 27 2006

OPERATOR

FARMINGTON FIELD OFFICE
BY

In Lieu of
Form 3160
(June 1990)

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

5. Lease Designation and Serial No.
SF-078765

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

1. Type of Well Oil Well X Gas Well Other	7. If Unit or CA, Agreement Designation ROSA UNIT
2. Name of Operator WILLIAMS PRODUCTION COMPANY	8. Well Name and No. ROSA UNIT #261
3. Address and Telephone No. PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 573-6254	9. API Well No. 30-045-28408
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1765' FSL and 655' FWL NW/4 SW/4 SEC 10-31N-06W	10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
	11. County or Parish, State SAN JUAN, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
X Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment	Altering Casing	Conversion to Injection
	Other Cavitation Complete	Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

08-31-2000 Rig up, pull and LD tubing, RU Blue Jet, set CIBP @ 2845', run bond log 2845'-2745', good bond, PU whipstock and subs, strap and TIH w/ DC's & DP, mill window, COOH

09-01-2000 TIH w/ window mill, Mill window, top of window-2835', bottom of window-2841', COOH w/ window mill, TIH w/ bit, drill 2842'-3052', deviation 2870'—5 deg

09-02-2000 Drill Fruitland coal 3052'-3093', COOH, PU underreamer, TIH, underream 2855'-3093', COOH, TIH w/ 4 ¾" bit, CO @ TD, returns-lite 1/8" coal in gray wtr, surge 5 times w/ air and mist to 1800 psi, returns-air and mist. Coal intervals: 2974-75 1', 2990-91 1', 3020-29 9', 3033-38 5', 3067-69 2', 3070-71 1', 3075-83 8', 3091-93 2'

09-03-2000 Surge 12 times w/ air and mist to 1800 psi, (30 min build), returns-air and mist, TIH, tag @ 3020', CO to TD, returns-lite 1/16" coal to fines in gray wtr, dry well, surge 8 times to 1800 psi, returns-air and mist

09-04-2000 Surge 23 times w/ air and water to 1950 psi (45 min build time), returns-lite coal fines and water

Continued on Back

14. I hereby certify that the foregoing is true and correct

Signed Tracy Ross Title Production Analyst Date October 5, 2000
TRACY ROSS

(This space for Federal or State office use)

Approved by ______ Title ______ Date ACCEPTED FOR RECORD

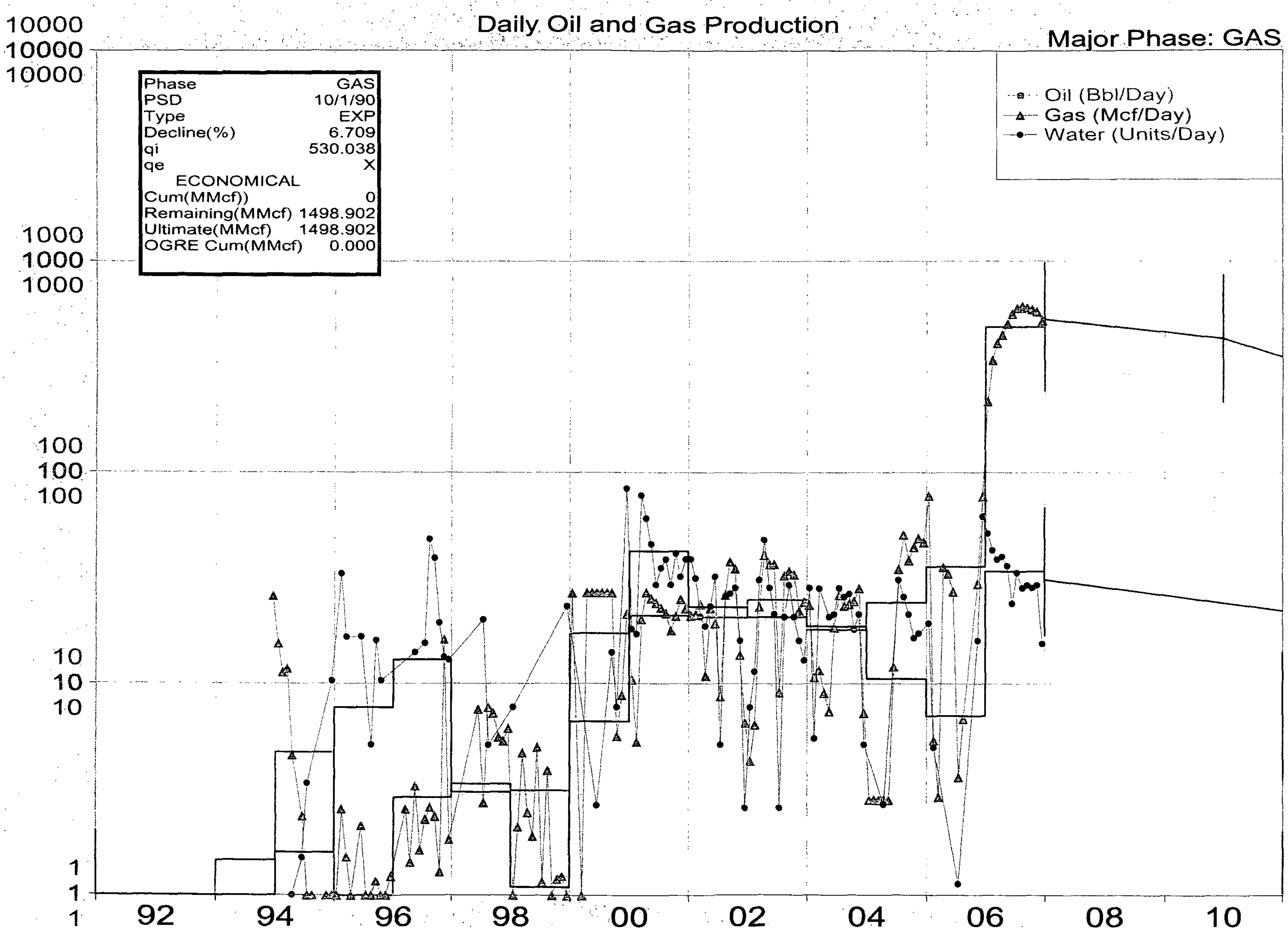
Conditions of approval, if any:

OCT 13 2000

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR

Property 24427
ROSA UNIT # 261



ROSA UNIT #261
BASIN FRUITLAND COAL

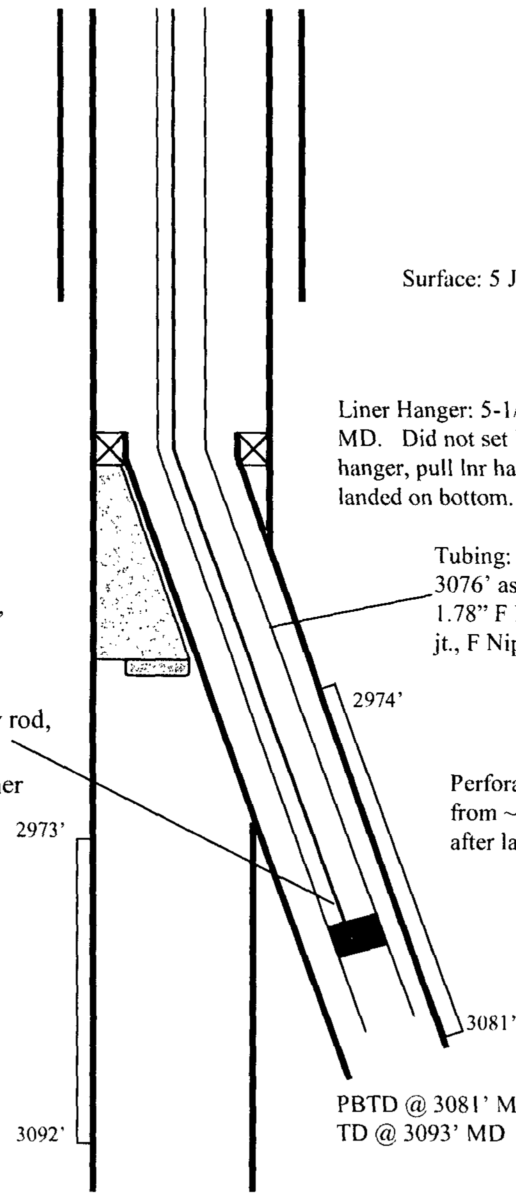
Lufkin C-114D-135-48 PU

Location:
1765' FSL and 655' FWL
NW/4 SW/4 Sec. 10(L), T31N R6W
Rio Arriba, New Mexico
Elevation GL: 6291'

API # 30-045-28408

Top	Depth
Ojo Alamo	2310'
Kirtland	2410'
Fruitland	2796'
Pictured Cliffs	3092'

Spud: 10/17/1990
Completed: 11/06/1990
First Delivery: 12/06/1994
Sidetrack & Cavitate: 8/31/2000
Pump Install: 2/2/2006



Surface: 5 Jts., 8-5/8", 24#, K-55 @ 220'.

Liner Hanger: 5-1/2" x 4" TIW LNR Top @ 2780' MD. Did not set lnr hanger, backed off 1 jt below hanger, pull lnr hanger and 1 jt to surface. Liner is landed on bottom.

5.5" Window 2835'-2841'

5.5" Whipstock & CIBP @ 2845'

Tubing: 96 jts. 2-3/8", 4.7#, J-55, EUE, 8RD @ 3076' as follows from bottom up; 26' mud anchor, 1.78" F Nipple, 95 jts tbg., 6' & 10' pup jt., 1 full jt., F Nipple @ 3050'

2"x1.25"x12.3' insert pump, 4'-3/4" pony rod, 23-3/4" guided rods, 90-3/4" API D rods, 16 x 1-1/4" Polish rod, 8' x 1-1/2" PR Liner

Perforations: pre-drilled holes in liner from ~2974' to 3081'. Plugs drilled out after landing liner.

Liner: 7 Jts, 4" FL-4S, 10.46#, with LA shoe @ 3081' MD. No lnr hanger, lnr landed on bottom at 3081' MD

Stimulation 11/90
Frac'd w/ 6,500# of 40/70 sand, 138,000# 20/40 sand in 1923 bbls fluid.

PBTD @ 3081' MD
TD @ 3093' MD

Prod Csg: 74 Jts., 5-1/2", 15.5#, K-55, @ 3118'.

TD @ 3118'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	8-5/8", 24#	210 sx	248 cu. ft.	Surface
7-7/8"	5.5", 15.5#	860 sx	1010 cu. ft.	Surface
9-1/2"	5-1/2", 17#	None	N.A.	N.A.

Mike Coker,
06/16/2005

The Rosa Unit # 344 Fruitland Coal Well (Non-Commercial from 8/2000 to 5/2005, Commercial from 5/2005) is located 1755 feet from the South Line and 1260 feet from the West Line, Section 25, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 26, 2000, and completed in the Fruitland Coal formation on September 25, 2000. The well was cavity completed in the open hole and a perforated liner (3202' to 3282') was hung off. In May 2005 a beam pumping unit was installed. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 290 psig. In October, 2000, the well was tested after flowing for three hours through a 2" choke on the tubing, the well gauged 333 Mcfd. Current flow rate on this well is between 900 and 1,000 Mcfd.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 66.84% and is therefore determined commercial.

Attached to this document are the following:
* OGRE economic model output including gas price assumptions
* Historic production plot with forecast
* Well-bore schematic
* Well Completion or Recompletion Report and Log

Evaluating Engineer

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

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101 ROSA UNIT # 344
102 FTC T31N-R5W-SEC. 25
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE NONE
120 01 1999 12 11 30 2000 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	4200.00	1.000	GAS	11/01/2000

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	0.	.000	.000
315	3.	1520.000	9908.000
316	3.	3560.000	20591.000
317	3.	3520.000	20731.000
318	3.	3840.000	15906.000
319	3.	3600.000	17497.000
320	3.	3440.000	13228.000
321	3.	3760.000	12785.000
322	3.	3840.000	13179.000
323	3.	3840.000	17088.000
324	3.	3440.000	18618.000
325	3.	3760.000	21892.000
326	3.	3360.000	23572.000
327	3.	4000.000	25395.000
328	3.	3680.000	27307.000
329	3.	3440.000	28841.000
330	3.	3680.000	30456.000
331	3.	3440.000	31679.000
332	3.	3200.000	31256.000
333	3.	3760.000	36827.000
334	3.	3780.000	40858.000
335	3.	2380.000	46897.000
336	3.	3680.000	45725.000
337	3.	3415.000	51711.000
338	3.	3410.000	54753.000
339	3.	2850.000	58750.000
340	3.	3005.000	61680.000
341	3.	2480.000	69329.000
342	3.	2240.000	76704.000
343	2.	1335.000	51771.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		7.910	854.873	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	7.910	854.873	667.635	12.000	YRS	D	1804.285	MMCF
411	GAS	EXP		18.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	18.000	667.635	.643	47.000	YRS	D	3031.047	MMCF
420	WATER	EXP		8.054	25.367	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	25.367	2.476	36.712	YRS	D	194.761	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 ! CASE $ARR17_OP_POV_APR07
629 ! CASE $AREA17
630 ! EST. GATHERING PER WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 ! SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 ! SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 ! SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 ! SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 ! WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 ! MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 ! DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 ! EST. FLU PER WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 ! CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 ! SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 ! SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 ! SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 ! SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 ! WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 ! MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 ! MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 ! CREATES FLU& SHRINK FACTOR
```

```
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 2.06 UNTIL 12 2000 :
661 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
662 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
805 : ORIGINAL D&C COST
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	2000.750	AD	G	63.573	363.195	.000		

```
806 :INVEST 1999.6 AD G 54 135.604 0 : RECAVITATION

850 NOLOSS = ON

ECONOMIC LIFE  (YRS):        27.000
GROSS GAS      (MMCF):     2980.919
GROSS WATER      (MU):      183.157
```

ROSA UNIT # 344
FTC T31N-R5W-SEC. 25
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/24/08
TIME: 16:32:57
FILE: wpcp
PROP: 24432
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

AS OF NOVEMBER 30, 2000

-END- MO-YR	GROSS PRODUCTION OIL, MBBL	GROSS PRODUCTION GAS, MMCF	NET PRODUCTION OIL, MBBL	NET PRODUCTION GAS, MMCF	PRICES OIL $/B	PRICES GAS $/M	NO. OF WELLS	OPERATIONS, M$ OIL REVENUE	OPERATIONS, M$ GAS REVENUE	OPERATIONS, M$ OTHER REVENUE	OPERATIONS, M$ TOTAL REVENUE
12-00	.000	6.605	.000	5.588	.00	1.96	1.0	.000	10.933	.000	10.933
12-01	.000	72.195	.000	61.077	.00	3.35	1.0	.000	204.778	.000	204.778
12-02	.000	56.416	.000	47.728	.00	3.32	1.0	.000	158.662	.000	158.662
12-03	.000	86.708	.000	73.355	.00	4.39	1.0	.000	321.887	.000	321.887
12-04	.000	116.188	.000	98.295	.00	5.61	1.0	.000	551.761	.000	551.761
12-05	.000	150.765	.000	127.547	.00	7.85	1.0	.000	1001.861	.000	1001.861
12-06	.000	206.987	.000	175.111	.00	6.06	1.0	.000	1061.123	.000	1061.123
12-07	.000	279.067	.000	236.091	.00	6.68	1.0	.000	1576.400	.000	1576.400
12-08	.000	299.518	.000	253.392	.00	6.68	1.0	.000	1691.920	.000	1691.920
12-09	.000	275.827	.000	233.350	.00	6.68	1.0	.000	1558.098	.000	1558.098
12-10	.000	254.009	.000	214.892	.00	6.68	1.0	.000	1434.853	.000	1434.853
12-11	.000	221.030	.000	186.991	.00	6.68	1.0	.000	1248.555	.000	1248.555
12-12	.000	181.244	.000	153.332	.00	6.68	1.0	.000	1023.811	.000	1023.811
12-13	.000	148.621	.000	125.733	.00	6.68	1.0	.000	839.530	.000	839.530
12-14	.000	121.869	.000	103.101	.00	6.68	1.0	.000	688.414	.000	688.414
12-15	.000	99.932	.000	84.542	.00	6.68	1.0	.000	564.494	.000	564.494
12-16	.000	81.945	.000	69.325	.00	6.68	1.0	.000	462.889	.000	462.889
12-17	.000	67.194	.000	56.846	.00	6.68	1.0	.000	379.566	.000	379.566
12-18	.000	55.100	.000	46.615	.00	6.68	1.0	.000	311.252	.000	311.252
12-19	.000	45.181	.000	38.223	.00	6.68	1.0	.000	255.218	.000	255.218
12-20	.000	37.049	.000	31.343	.00	6.68	1.0	.000	209.280	.000	209.280
12-21	.000	30.381	.000	25.702	.00	6.68	1.0	.000	171.614	.000	171.614
12-22	.000	24.911	.000	21.075	.00	6.68	1.0	.000	140.720	.000	140.720
12-23	.000	20.428	.000	17.282	.00	6.68	1.0	.000	115.393	.000	115.393
12-24	.000	16.751	.000	14.171	.00	6.68	1.0	.000	94.621	.000	94.621
S TOT	.000	2955.921	.000	2500.707	.00	6.43	1.0	.000	16077.633	.000	16077.633
REM.	.000	24.998	.000	21.148	.00	6.68	1.0	.000	141.207	.000	141.207
TOTAL	.000	2980.919	.000	2521.855	.00	6.43	1.0	.000	16218.840	.000	16218.840

-END- MO-YR	OPERATIONS, M$ SEVERANCE TAXES	OPERATIONS, M$ AD VAL TAXES	OPERATIONS, M$ NET OPER EXPENSES	OPERATIONS, M$ OPERATIONS CASH FLOW	CAPITAL COSTS, M$ TANGIBLE COSTS	CAPITAL COSTS, M$ INTANG. COSTS	CAPITAL COSTS, M$ LSEHOLD COSTS	CAPITAL COSTS, M$ SALVAGE VALUE	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-00	.984	.099	10.831	-.981	63.573	363.195	.000	.000	-427.749	-433.129
12-01	18.430	1.863	83.585	100.900	.000	.000	.000	.000	100.900	-336.687
12-02	14.280	1.444	85.920	57.018	.000	.000	.000	.000	57.018	-286.225
12-03	28.970	2.929	85.217	204.771	.000	.000	.000	.000	204.771	-118.424
12-04	49.658	5.021	85.022	412.060	.000	.000	.000	.000	412.060	194.229
12-05	90.167	9.117	82.738	819.839	.000	.000	.000	.000	819.839	770.208
12-06	95.501	9.656	82.075	873.891	.000	.000	.000	.000	873.891	1338.683
12-07	141.876	14.345	74.424	1345.755	.000	.000	.000	.000	1345.755	2149.264
12-08	152.273	15.396	71.714	1452.537	.000	.000	.000	.000	1452.537	2959.355
12-09	140.229	14.179	69.996	1333.694	.000	.000	.000	.000	1333.694	3648.070
12-10	129.137	13.057	68.419	1224.240	.000	.000	.000	.000	1224.240	4233.434
12-11	112.370	11.362	66.970	1057.853	.000	.000	.000	.000	1057.853	4701.774
12-12	92.143	9.317	65.633	856.718	.000	.000	.000	.000	856.718	5052.970
12-13	75.558	7.640	64.406	691.926	.000	.000	.000	.000	691.926	5315.602
12-14	61.957	6.265	63.278	556.914	.000	.000	.000	.000	556.914	5511.330
12-15	50.804	5.137	62.242	446.311	.000	.000	.000	.000	446.311	5656.567
12-16	41.660	4.212	61.286	355.731	.000	.000	.000	.000	355.731	5763.753
12-17	34.161	3.454	60.410	281.541	.000	.000	.000	.000	281.541	5842.301
12-18	28.013	2.832	59.606	220.801	.000	.000	.000	.000	220.801	5899.340
12-19	22.970	2.322	58.862	171.064	.000	.000	.000	.000	171.064	5940.257
12-20	18.835	1.904	58.181	130.360	.000	.000	.000	.000	130.360	5969.128
12-21	15.445	1.562	57.554	97.053	.000	.000	.000	.000	97.053	5989.030
12-22	12.665	1.281	56.978	69.796	.000	.000	.000	.000	69.796	6002.283
12-23	10.385	1.050	56.450	47.508	.000	.000	.000	.000	47.508	6010.636
12-24	8.516	.861	55.961	29.283	.000	.000	.000	.000	29.283	6015.403
S TOT	1446.987	146.305	1647.758	12836.583	63.573	363.195	.000	.000	12409.815	6015.403
REM.	12.709	1.285	110.616	16.597	.000	.000	.000	.000	16.597	6017.880
TOTAL	1459.696	147.590	1758.374	12853.180	63.573	363.195	.000	.000	12426.412	6017.880

ROSA UNIT # 344
FTC T31N-R5W-SEC. 25
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/24/08
TIME: 16:32:57
FILE: wpcp
PROP: 24432
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF NOVEMBER 30, 2000

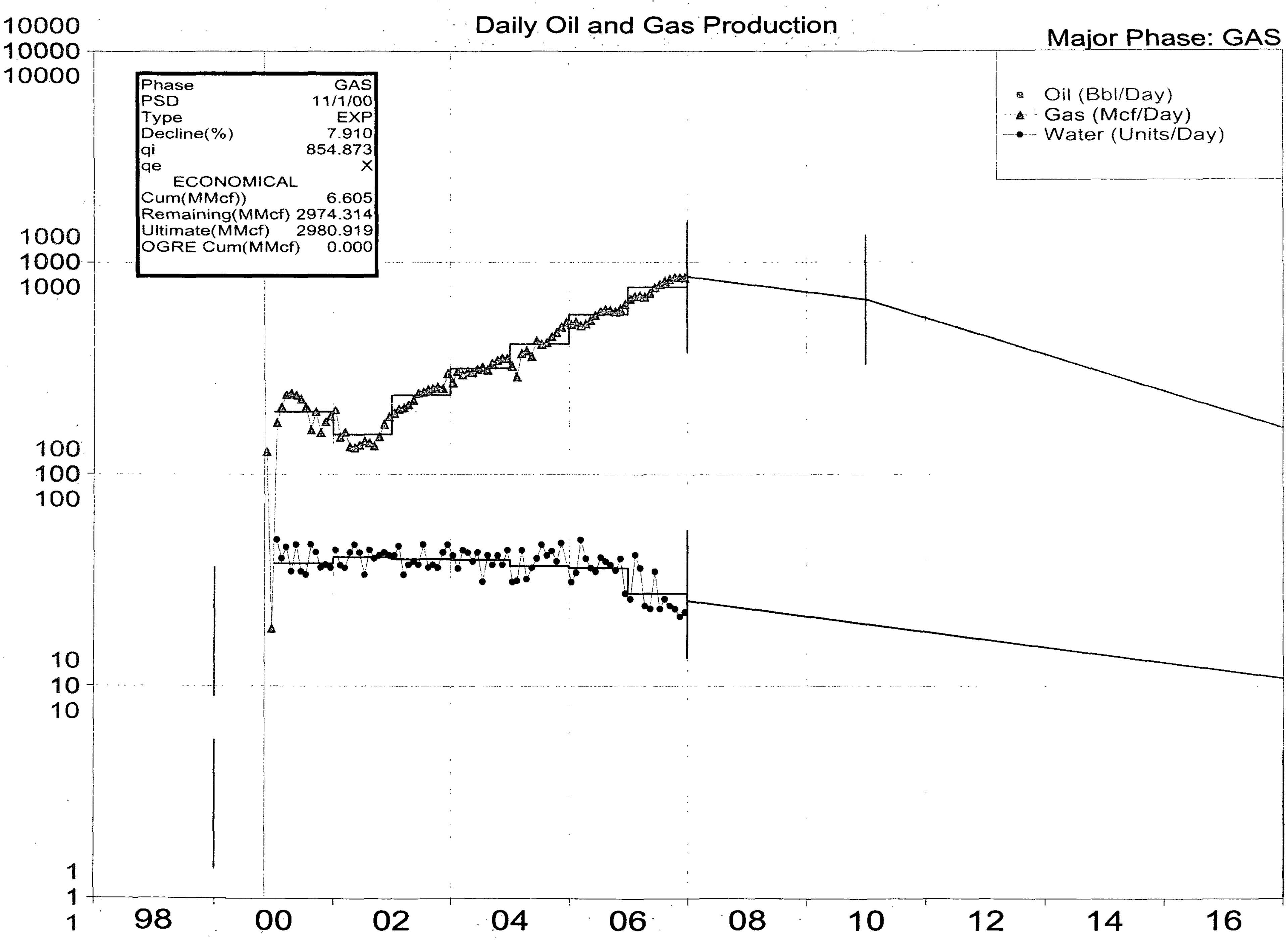
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-00	-.981	4.541	.000	363.195	.000	-368.717	.000	-143.800	-283.949	-289.372
12-01	100.900	16.866	.000	.000	.000	84.034	.000	32.773	68.127	-224.255
12-02	57.018	12.048	.000	.000	.000	44.970	.000	17.538	39.480	-189.315
12-03	204.771	8.605	.000	.000	.000	196.166	.000	76.505	128.266	-84.207
12-04	412.060	6.146	.000	.000	.000	405.914	.000	158.306	253.754	108.330
12-05	819.839	5.588	.000	.000	.000	814.251	.000	317.558	502.281	461.208
12-06	873.891	5.588	.000	.000	.000	868.303	.000	338.638	535.253	809.396
12-07	1345.755	4.191	.000	.000	.000	1341.564	.000	523.210	822.545	1304.835
12-08	1452.537	.000	.000	.000	.000	1452.537	.000	566.489	886.048	1798.991
12-09	1333.694	.000	.000	.000	.000	1333.694	.000	520.141	813.553	2219.107
12-10	1224.240	.000	.000	.000	.000	1224.240	.000	477.454	746.786	2576.179
12-11	1057.853	.000	.000	.000	.000	1057.853	.000	412.563	645.290	2861.866
12-12	856.718	.000	.000	.000	.000	856.718	.000	334.120	522.598	3076.096
12-13	691.926	.000	.000	.000	.000	691.926	.000	269.851	422.075	3236.302
12-14	556.914	.000	.000	.000	.000	556.914	.000	217.196	339.718	3355.696
12-15	446.311	.000	.000	.000	.000	446.311	.000	174.061	272.250	3444.291
12-16	355.731	.000	.000	.000	.000	355.731	.000	138.735	216.996	3509.675
12-17	281.541	.000	.000	.000	.000	281.541	.000	109.801	171.740	3557.589
12-18	220.801	.000	.000	.000	.000	220.801	.000	86.112	134.689	3592.383
12-19	171.064	.000	.000	.000	.000	171.064	.000	66.715	104.349	3617.342
12-20	130.360	.000	.000	.000	.000	130.360	.000	50.840	79.520	3634.954
12-21	97.053	.000	.000	.000	.000	97.053	.000	37.851	59.202	3647.094
12-22	69.796	.000	.000	.000	.000	69.796	.000	27.220	42.576	3655.178
12-23	47.508	.000	.000	.000	.000	47.508	.000	18.528	28.980	3660.273
12-24	29.283	.000	.000	.000	.000	29.283	.000	11.420	17.863	3663.181
S TOT	12836.583	63.573	.000	363.195	.000	12409.815	.000	4839.825	7569.990	3663.181
REM.	16.597	.000	.000	.000	.000	16.597	.000	6.473	10.124	3664.692
TOTAL	12853.180	63.573	.000	363.195	.000	12426.412	.000	4846.298	7580.114	3664.692

BTAX RATE OF RETURN (PCT)	66.84	ATAX RATE OF RETURN (PCT)	63.36
BTAX PAYOUT	02/28/2004	ATAX PAYOUT	03/09/2004
BTAX PAYOUT (DISC)	05/17/2004	ATAX PAYOUT (DISC)	06/08/2004
BTAX NET INCOME/INVEST	30.12	ATAX NET INCOME/INVEST	18.76
BTAX NET INCOME/INVEST (DISC)	14.93	ATAX NET INCOME/INVEST (DISC)	9.48
PRODUCTION START DATE	11/01/00	PROJECT LIFE (YEARS)	27.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	2980.919
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	2980.919
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	12426.412	7580.114
2.0	10237.608	6243.225
5.0	7782.572	4743.292
8.0	6017.880	3664.692
10.0	5111.154	3110.270
12.0	4365.713	2654.310
15.0	3478.272	2111.225
18.0	2797.111	1694.103
20.0	2429.159	1468.638
25.0	1726.528	1037.691
30.0	1239.156	738.279
35.0	890.786	523.837
40.0	635.199	366.145
45.0	443.345	247.454
50.0	296.383	156.258
60.0	90.862	28.054
70.0	-41.922	-55.507
80.0	-132.323	-112.984
90.0	-196.645	-154.376
100.0	-244.178	-185.383

Property 24432
ROSA UNIT # 344



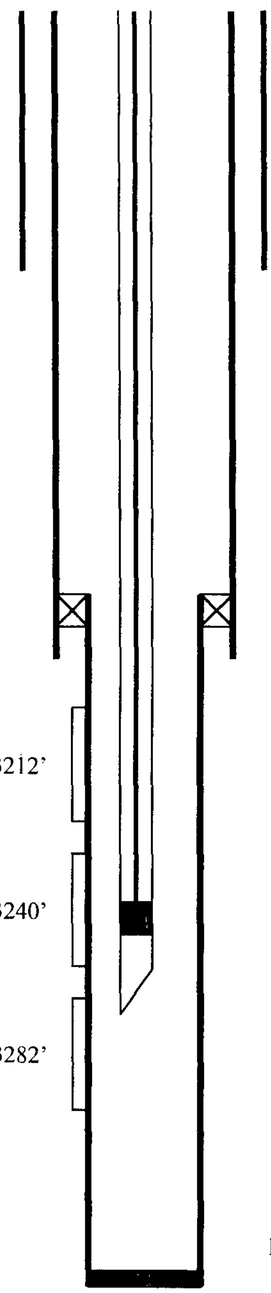
ROSA UNIT #344
FRUITLAND COAL

Spud: 08/26/00
Completed: 09/25/00
First Delivery: 12/15/00
Pumping Unit: 05/25/05

Pumping Unit
CMI C114D-143-64

Location:
1755' FSL and 1260' FWL
NW/4 SW/4 Sec 25(L), T31N, R5W
Rio Arriba, New Mexico
Elevation: 6453' GR

API #: 30-039-26249



Surface: 6 jts, 9-5/8", 36#, K-55 @ 298'.

Top	Depth
Ojo Alamo	2608'
Kirtland	2711'
Fruitland	3115'
Pictured Cliffs	3289'

Intermediate: 70 jts, 7", 20#, K-55 @ 3200'.

TIW JGS Liner hanger @ 3097'

103 Jts., 2-3/8", 4.7#, J-55, EUE, 8RD @ 3280
As follows: 28' Mud Anchor, 1.78" "F" Nipple,
102 Jts., 10' Jt., 1 full Jt., "F" Nipple @ 3252'.

Perforations: 4 SPF

3202' - 3212'
3230' - 3240'
3252' - 3282'

Rods: 4' pony rod, 129-3/4", Type 54, API "D" rod,
2' Pony, 8' Pony, 1¼" x 22' polish rod,
1-1/2" x 10' Polished Rod Liner

Pump: 2" x 1-1/4" x 8' x 12' RHAC-Z, 1" x 6' Dip
Tube (energy pump)

Liner: 4 jts, 5-1/2", 17#, N-80 @ 3097' - 3284'

PBTD @ 3283
TD @ 3412'

Under ream 6¼" – 9½"
From 3205' - 3255'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	130 sx	188 cu. ft.	Surface
8-3/4"	7", 20#	575 sx	1082 cu. ft.	Surface
6-1/4"	5-1/2", 17#	Did not cmt	N/A	N/A

Candice Price 05/21/07

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO. SF-078768

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

7. UNIT AGREEMENT NAME: ROSA UNIT

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER ______

b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF.RESVR. OTHER ______

2. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.: ROSA UNIT #344

3. ADDRESS AND TELEPHONE NO.: P.O. BOX 3102 MS 37-2 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.: 30-039-26249

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1755' FSL & 1260' FWL
At top production interval reported below :
At total depth:

10. FIELD AND POOL, OR WILDCAT: BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA: NW/4 SW/4 SEC 25-31N-5W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	13. STATE
		RIO ARRIBA	NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
08/26/2000	08/30/2000	09/25/2000	6453' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3412' MD	3372' MD			x	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*: BASIN FRUITLAND COAL 3202' – 3282'

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN: IND/GR & DEN/NEU/TEMP

27. WAS WELL CORED: NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE.	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" K-55	36#	298'	12-1/4"	130 SX - SURFACE	
7" K-55	20#	3200'	8-3/4"	575 SX – SURFACE	

29. LINER RECORD / 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	3097'	3284'	0 SX		2-3/8"	3260'	

31. PERFORATION RECORD (Interval, size, and number)

3202' – 3212'
3230' – 3240' 4 SPF
3252' – 3282'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
	Flowing	SI waiting on pipeline

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL.	GAS-OIL RATIO
10/10/00	3 hr	3/4"			42		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS – MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
15	290			333		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY: CHIK CHARLEY

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Production Analyst DATE October 17, 2000

ACCEPTED FOR RECORD

NOV 30 2000

FARMINGTON FIELD OFFICE
BY

OPERATOR

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised March 17, 1999

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address	2 OGRID Number
WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 37-2 TULSA, OK 74101	120782
	3 Reason for Filing Code: NW

4 API Number	5 Pool Name	6 Pool Code
30 – 039-26249	BASIN FRUITLAND COAL	71629
7 Property Code	**8 Property Name**	**9 Well Number**
17033	ROSA UNIT	344

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	25	31N	5W		1755'	SOUTH	1260'	WEST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
F					

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267	2827240	O	
025244	WILLIAMS FIELD SERVICES ATTN: BUD ALMOND P O BOX 645 TULSA, OKLA 74102	2827241	G	

OCT 2000

IV. Produced Water

23 POD	24 POD ULSTR Location and Description
2827242	

V. Well Completion Data

25 Spud Date	26 Ready Date	27 TD	28 PBTD	29 Perforations	30 DHC, DC,MC
8/26/00	9/25/00	3412'	3372'	3202' – 3282'	

31 Hole Size	32 Casing & Tubing Size	33 Depth Set	34 Sacks Cement
12 ¼"	9 5/8" – 36#	298'	130 SX
8 ¾"	7" – 20#	3200'	575 SX
6 ¼"	5 ½" – 17#	3097 3284'	0
	2 3/8" – 4.7#	3260'	

VI. Well Test Data

35 Date New Oil	36 Gas Delivery Date	37 Test Date	38 Test Length	39 Tbg. Pressure	40 Csg. Pressure
		10/10/00	3 HRS	15	290
41 Choke Size	**42 Oil**	**43 Water**	**44 Gas**	**45 AOF**	**46 Test Method**
¾"	0	0	333		Pitot

47 I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Tracy Ross

Printed name: TRACY ROSS

Title: PRODUCTION ANALYST

Date: October 17, 2000 Phone: 918-573-6254

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY CHARLIE T. PERRIN

Title: DEPUTY OIL & GAS INSPECTOR, DIST. #3

Approval Date: DEC - 4 2000

48 If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date

The Rosa Unit # 359 Fruitland Coal Well (Non-Commercial from 6/2001 to 10/2005, Commercial from 10/2005) is located 2155 feet from the South Line and 1870 feet from the West Line, Section 4, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 27, 2001, and completed in the Fruitland Coal formation on July 24, 2001. The well was cavity completed in the open hole and a perforated liner (2884' to 3005') was hung off. In October 2005 a beam pumping unit was installed. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 740 psig. In October, 2000, the well was tested after flowing for three hours through a 2" choke on the tubing, the well gauged 2,806 Mcfd. Current flow rate on this well is between 300 and 600Mcfd.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 36.30% and is therefore determined commercial.

Attached to this document are the following:
* OGRE economic model output including gas price assumptions
* Historic production plot with forecast
* Well-bore schematic
* Well Completion or Recompletion Report and Log

Evaluating Engineer

Robert L. Goodwin III 3-24-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

101 ROSA UNIT # 359
102 FTC T31N-R5W-SEC. 4
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE NONE
120 01 2001 12 01 01 2001 6 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	4400.00	1.000	GAS	10/01/2001

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	0.	.000	.000
315	3.	2800.000	182.000
316	3.	3360.000	3158.000
317	3.	3120.000	7540.400
318	3.	3040.000	13160.000
319	3.	3120.000	8728.000
320	3.	2160.000	1370.000
321	3.	3200.000	3442.260
322	3.	2480.000	3953.030
323	3.	2240.000	2630.000
324	3.	880.000	1497.000
325	3.	2800.000	3392.000
326	3.	2720.000	4126.000
327	3.	1520.000	2991.920
328	3.	1040.000	2174.000
329	3.	2160.000	3397.000
330	3.	1760.000	5025.000
331	3.	1520.000	10572.000
332	3.	1920.000	16628.000
333	3.	2160.000	40624.000
334	3.	2535.000	54760.000
335	3.	2560.000	41748.000
336	3.	2560.000	52342.000
337	3.	3210.000	54332.000
338	3.	2800.000	54869.000
339	3.	2560.000	36264.000

	PH. NAME	CURVE TP	DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP	4.937	439.044	X	3.000	IYRS	D		
CALC	GAS	EXP	END= 4.937	439.044	377.175	10.000	YRS	D	874.927	MMCF
411	GAS	EXP	15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END= 15.000	377.175	1.277	45.000	YRS	D	1719.153	MMCF
420	WATER	EXP	8.054	30.216	X	34.879	YRS	D		
CALC	WATER	EXP	END= 8.054	30.216	2.730	35.629	YRS	D	179.701	M-UNITS

600 SERIES LINES:

602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 ! CASE $ARR17_OP_POV_APR07
629 ! CASE $AREA17
630 ! EST. GATHERING PER WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 ! SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 ! SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 ! SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 ! SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 ! WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 ! MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 ! DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 ! EST. FLU PER WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 ! CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 ! SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 ! SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 ! SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 ! SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 ! WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 ! MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 ! MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 ! CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 ! ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :

```
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
805 ! ORIGINAL D&C COST
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	2002.100	AD	G	145.938	437.813	.000		
806 ! PUMPING UNIT INSTALLATION									
806	INVEST	2005.600	AD	G	46.000	65.210	.000		

```
850 NOLOSS = ON

ECONOMIC LIFE  (YRS):       24.000
GROSS GAS     (MMCF):     1647.842
GROSS WATER     (MU):      159.796
```

ROSA ,UNIT # 359
FTC T31N-R5W-SEC. 4
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/25/08
TIME: 04:37:41
FILE: wpcp
PROP: 24433
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF JANUARY 1, 2001

-END- MO-YR	GROSS PRODUCTION OIL, MBBL	GROSS PRODUCTION GAS, MMCF	NET PRODUCTION OIL, MBBL	NET PRODUCTION GAS, MMCF	PRICES OIL $/B	PRICES GAS $/M	NO. OF WELLS	OPERATIONS, M$ OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-02	.000	32.586	.000	27.568	.00	3.32	1.0	.000	91.644	.000	91.644
12-03	.000	11.395	.000	9.640	.00	4.39	1.0	.000	42.301	.000	42.301
12-04	.000	12.007	.000	10.158	.00	5.61	1.0	.000	57.020	.000	57.020
12-05	.000	21.168	.000	17.908	.00	7.85	1.0	.000	140.664	.000	140.664
12-06	.000	153.759	.000	130.080	.00	6.06	1.0	.000	788.248	.000	788.248
12-07	.000	197.808	.000	167.346	.00	6.68	1.0	.000	1117.384	.000	1117.384
12-08	.000	156.261	.000	132.197	.00	6.68	1.0	.000	882.691	.000	882.691
12-09	.000	148.548	.000	125.672	.00	6.68	1.0	.000	839.123	.000	839.123
12-10	.000	141.213	.000	119.466	.00	6.68	1.0	.000	797.685	.000	797.685
12-11	.000	127.064	.000	107.496	.00	6.68	1.0	.000	717.760	.000	717.760
12-12	.000	108.005	.000	91.372	.00	6.68	1.0	.000	610.099	.000	610.099
12-13	.000	91.803	.000	77.665	.00	6.68	1.0	.000	518.576	.000	518.576
12-14	.000	78.034	.000	66.017	.00	6.68	1.0	.000	440.801	.000	440.801
12-15	.000	66.328	.000	56.113	.00	6.68	1.0	.000	374.671	.000	374.671
12-16	.000	56.379	.000	47.697	.00	6.68	1.0	.000	318.477	.000	318.477
12-17	.000	47.922	.000	40.542	.00	6.68	1.0	.000	270.702	.000	270.702
12-18	.000	40.734	.000	34.461	.00	6.68	1.0	.000	230.099	.000	230.099
12-19	.000	34.624	.000	29.292	.00	6.68	1.0	.000	195.585	.000	195.585
12-20	.000	29.430	.000	24.898	.00	6.68	1.0	.000	166.246	.000	166.246
12-21	.000	25.016	.000	21.164	.00	6.68	1.0	.000	141.314	.000	141.314
12-22	.000	21.263	.000	17.988	.00	6.68	1.0	.000	120.107	.000	120.107
12-23	.000	18.074	.000	15.291	.00	6.68	1.0	.000	102.099	.000	102.099
12-24	.000	15.362	.000	12.996	.00	6.68	1.0	.000	86.775	.000	86.775
12-25	.000	13.059	.000	11.048	.00	6.68	1.0	.000	73.768	.000	73.768
12-26											
S TOT	.000	1647.842	.000	1394.075	.00	6.54	1.0	.000	9123.839	.000	9123.839
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	1647.842	.000	1394.075	.00	6.54	1.0	.000	9123.839	.000	9123.839

-END- MO-YR	OPERATIONS, M$ SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	CAPITAL COSTS, M$ TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-02	8.248	.834	83.136	-.574	145.938	437.813	.000	.000	-584.325	-536.877
12-03	3.807	.385	76.992	-38.883	.000	.000	.000	.000	-38.883	-568.954
12-04	5.132	.519	71.808	-20.439	.000	.000	.000	.000	-20.439	-584.567
12-05	12.660	1.280	68.352	58.372	46.000	65.210	.000	.000	-52.838	-621.335
12-06	70.942	7.173	74.820	635.313	.000	.000	.000	.000	635.313	-205.274
12-07	100.565	10.168	79.512	927.139	.000	.000	.000	.000	927.139	356.925
12-08	79.442	8.032	78.187	717.030	.000	.000	.000	.000	717.030	759.511
12-09	75.521	7.636	76.145	679.821	.000	.000	.000	.000	679.821	1112.932
12-10	71.792	7.259	74.263	644.371	.000	.000	.000	.000	644.371	1423.110
12-11	64.598	6.532	72.535	574.095	.000	.000	.000	.000	574.095	1678.989
12-12	54.909	5.552	70.944	478.694	.000	.000	.000	.000	478.694	1876.543
12-13	46.672	4.719	69.485	397.700	.000	.000	.000	.000	397.700	2028.513
12-14	39.672	4.011	68.141	328.977	.000	.000	.000	.000	328.977	2144.911
12-15	33.720	3.410	66.905	270.636	.000	.000	.000	.000	270.636	2233.574
12-16	28.663	2.898	65.767	221.149	.000	.000	.000	.000	221.149	2300.658
12-17	24.363	2.463	64.726	179.150	.000	.000	.000	.000	179.150	2350.976
12-18	20.709	2.094	63.763	143.533	.000	.000	.000	.000	143.533	2388.304
12-19	17.603	1.780	62.880	113.322	.000	.000	.000	.000	113.322	2415.592
12-20	14.962	1.513	62.071	87.700	.000	.000	.000	.000	87.700	2435.146
12-21	12.718	1.286	61.322	65.988	.000	.000	.000	.000	65.988	2448.769
12-22	10.810	1.093	60.636	47.568	.000	.000	.000	.000	47.568	2457.862
12-23	9.189	.929	60.005	31.976	.000	.000	.000	.000	31.976	2463.522
12-24	7.810	.790	59.424	18.751	.000	.000	.000	.000	18.751	2466.595
12-25	6.639	.671	58.891	7.567	.000	.000	.000	.000	7.567	2467.743
12-26										
S TOT	821.146	83.027	1650.710	6568.956	191.938	503.023	.000	.000	5873.995	2467.743
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	2467.743
TOTAL	821.146	83.027	1650.710	6568.956	191.938	503.023	.000	.000	5873.995	2467.743

.... # 359
FTC T31N-R5W-SEC. 4
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/25/08
TIME: 04:37:41
FILE: wpcp
PROP: 24433
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF JANUARY 1, 2001

-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-02	-.574	37.527	.000	437.813	.000	-475.914	.000	-185.606	-398.719	-371.508
12-03	-38.883	30.975	.000	.000	.000	-69.858	.000	-27.245	-11.638	-381.109
12-04	-20.439	22.124	.000	.000	.000	-42.563	.000	-16.600	-3.839	-384.041
12-05	58.372	21.061	.000	65.210	.000	-27.899	.000	-10.881	-41.957	-413.114
12-06	635.313	24.385	.000	.000	.000	610.928	.000	238.262	397.051	-153.089
12-07	927.139	21.060	.000	.000	.000	906.079	.000	353.371	573.768	194.833
12-08	717.030	18.684	.000	.000	.000	698.346	.000	272.355	444.675	444.502
12-09	679.821	5.516	.000	.000	.000	674.305	.000	262.979	416.842	661.207
12-10	644.371	4.079	.000	.000	.000	640.292	.000	249.714	394.657	851.181
12-11	574.095	4.080	.000	.000	.000	570.015	.000	222.306	351.789	1007.976
12-12	478.694	2.447	.000	.000	.000	476.247	.000	185.736	292.958	1128.878
12-13	397.700	.000	.000	.000	.000	397.700	.000	155.103	242.597	1221.580
12-14	328.977	.000	.000	.000	.000	328.977	.000	128.301	200.676	1292.583
12-15	270.636	.000	.000	.000	.000	270.636	.000	105.548	165.088	1346.667
12-16	221.149	.000	.000	.000	.000	221.149	.000	86.248	134.901	1387.588
12-17	179.150	.000	.000	.000	.000	179.150	.000	69.869	109.281	1418.282
12-18	143.533	.000	.000	.000	.000	143.533	.000	55.978	87.555	1441.052
12-19	113.322	.000	.000	.000	.000	113.322	.000	44.196	69.126	1457.698
12-20	87.700	.000	.000	.000	.000	87.700	.000	34.203	53.497	1469.626
12-21	65.988	.000	.000	.000	.000	65.988	.000	25.735	40.253	1477.936
12-22	47.568	.000	.000	.000	.000	47.568	.000	18.552	29.016	1483.483
12-23	31.976	.000	.000	.000	.000	31.976	.000	12.471	19.505	1486.935
12-24	18.751	.000	.000	.000	.000	18.751	.000	7.313	11.438	1488.810
12-25	7.567	.000	.000	.000	.000	7.567	.000	2.951	4.616	1489.510
12-26										
S TOT	6568.956	191.938	.000	503.023	.000	5873.995	.000	2290.859	3583.136	1489.510
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	1489.510
TOTAL	6568.956	191.938	.000	503.023	.000	5873.995	.000	2290.859	3583.136	1489.510

BTAX RATE OF RETURN (PCT)	36.30	ATAX RATE OF RETURN (PCT)	33.86
BTAX PAYOUT	01/25/2007	ATAX PAYOUT	02/08/2007
BTAX PAYOUT (DISC)	05/12/2007	ATAX PAYOUT (DISC)	06/09/2007
BTAX NET INCOME/INVEST	9.45	ATAX NET INCOME/INVEST	6.16
BTAX NET INCOME/INVEST (DISC)	5.02	ATAX NET INCOME/INVEST (DISC)	3.42
PRODUCTION START DATE	10/01/01	PROJECT LIFE (YEARS)	24.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.182
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	1647.842
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	1648.024
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	5873.995	3583.136
2.0	4691.861	2857.180
5.0	3386.792	2055.026
8.0	2467.743	1489.510
10.0	2004.157	1203.974
12.0	1628.837	972.618
15.0	1190.880	702.393
18.0	863.424	500.100
20.0	690.709	393.296
25.0	372.179	196.041
30.0	163.772	66.721
35.0	24.602	-19.802
40.0	-69.690	-78.533
45.0	-134.146	-118.743
50.0	-178.338	-146.345
60.0	-228.886	-177.922
70.0	-250.642	-191.437
80.0	-257.537	-195.556
90.0	-256.598	-194.686
100.0	-251.529	-191.151

Received 11/10

In Lieu of
Form 3160
(June 1990)

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

2005 OCT 31 PM 2 09
RECEIVED
070 FARMINGTON NM

SUBMIT IN TRIPLICATE

1.	Type of Well Oil Well X Gas Well Other	5.	Lease Designation and Serial No. SF-078763
		6.	If Indian, Allottee or Tribe Name
		7.	If Unit or CA, Agreement Designation
		8.	Well Name and No. ROSA UNIT #359
2.	Name of Operator WILLIAMS PRODUCTION COMPANY	9.	API Well No. 30-039-26724
3.	Address and Telephone No. PO BOX 3102 MS 25-1, TULSA, OK 74101 (918) 573-6254	10.	Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
4.	Location of Well (Footage, Sec., T., R., M., or Survey Description) 2155' FSL & 1870' FWL, NE/4 SW/4 SEC 04-31N-05W	11.	County or Parish, State RIO ARRIBA, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
X Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment	Altering Casing	Conversion to Injection
	Other Install Pumping Unit & artificial lift	Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

10-24-2005 MIRU, SDFN.

10-25-2005 Kill well , NU BOPE tag up with 2 ⅜" tbg, tally OOH with same. TIH with 26' mud anchor, 1.81" "F" nipple, 95 jts 2 ⅜", 4.6#, J-55 EUE tbg, land tbg @ 3010', ND BOPE , NU to run rods , SDFN.

10-26-2005 Kill well with 25 bbls produced H2O , PU & run 1 ¼ x 11' insert pump , 119 – ¾ grade D rods , with 6' & 8' pony rods & 22' x 1 ¼ polish rod w / 1 ½" liner, pressure test tbg to 500 #s, short stroke pump, good pump action, hung on well, turn well to production department, release rig @ 1300 hrs, 10/26/05

14. I hereby certify that the foregoing is true and correct

Signed Tracy Ross
Tracy Ross
Title Sr. Production Analyst Date October 28, 2005

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved by ____________ Title ____________ Date NOV 02 2005

Conditions of approval, if any:

FARMINGTON FIELD OFFICE
BY

itle 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent atements or representations as to any matter within its jurisdiction.

OPERATOR

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

2001 OCT 11 PM 3:08

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND LEASE NO. SF-078763

6. IF INDIAN,ALLOTTEE OR

7. UNIT AGREEMENT NAME: ROSA UNIT

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER 070

b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF.RESVR. OTHER

2. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.: ROSA UNIT #359

3. ADDRESS AND TELEPHONE NO.: P.O. BOX 3102 MS 37-2 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.: 30-039-26724

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 2155' FSL & 1870' FWL
At top production interval reported below :
At total depth:

10. FIELD AND POOL, OR WILDCAT: BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA: NE/4 SW/4 SEC 04-31N-5W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	13. STATE
		RIO ARRIBA	NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
06/27/2001	06/30/2001	07/24/2001	6192' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3104' MD	2850' MD			x	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 2884' - 3005'

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED: NO

28.CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" K-55	36#	296'	12-1/4"	130 SX - SURFACE	
7" K-55	20#	~~2809'~~ 2850'	8-3/4"	515 SX – SURFACE	

29.LINER RECORD / 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	2732'	3013'	0 SX		2-3/8"	2972'	

31. PERFORATION RECORD (Interval, size, and number)
2884' - 3005'
1 SPF (0.75") hole

32.ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	Did not frac

33.PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
	Flowing	SI waiting on pipeline

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL.	GAS-OIL RATIO
08/02/01	3 hr	3/4"			351		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS – MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
210	740			2,806		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY: CHIK CHARLEY

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

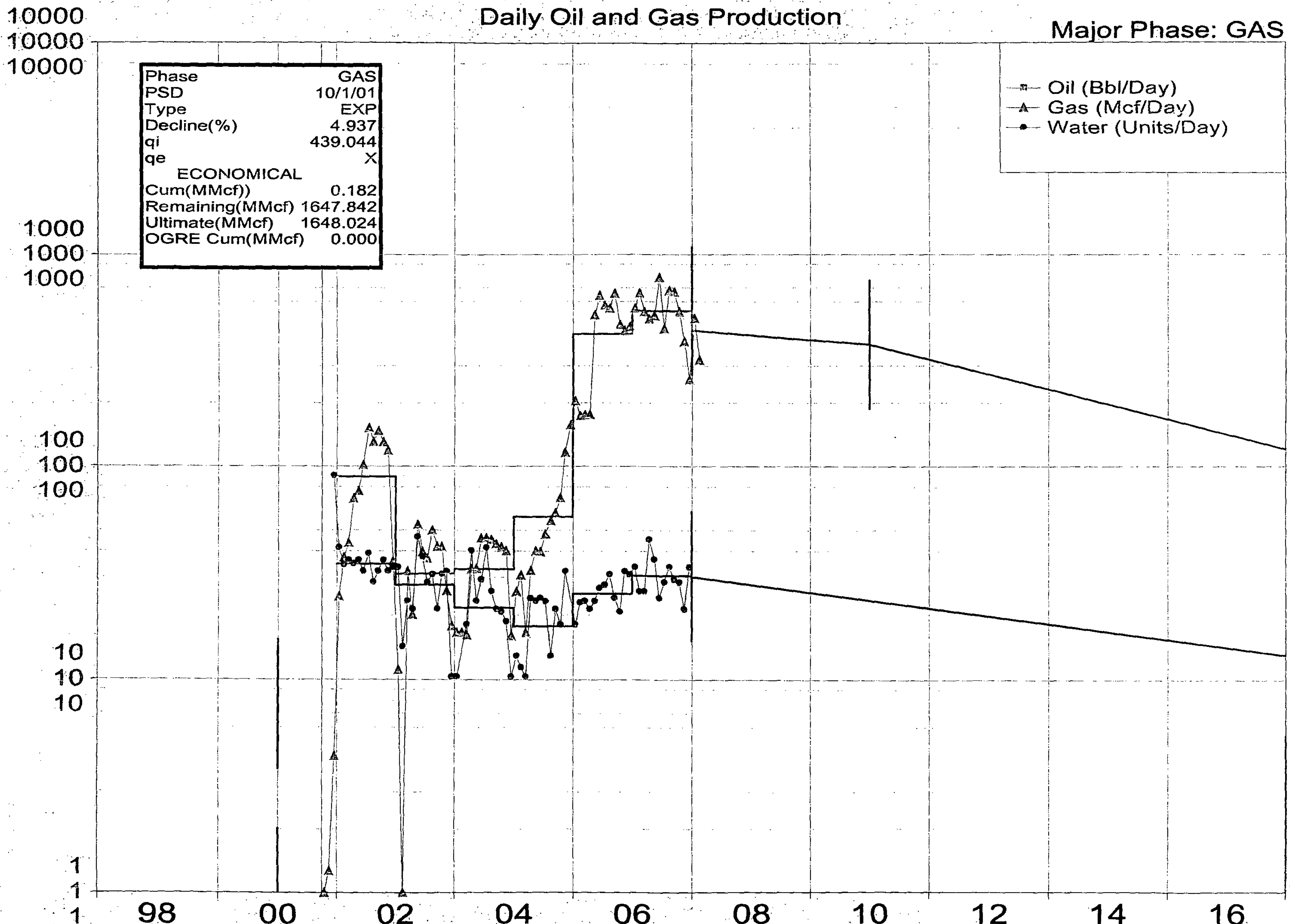
SIGNED Tracy Ross TITLE Production Analyst DATE October 10, 2001

OR RECORD

19 2001

OPERATOR

Property 24433
ROSA UNIT # 359



ROSA UNIT #359
BASIN FRUITLAND COAL

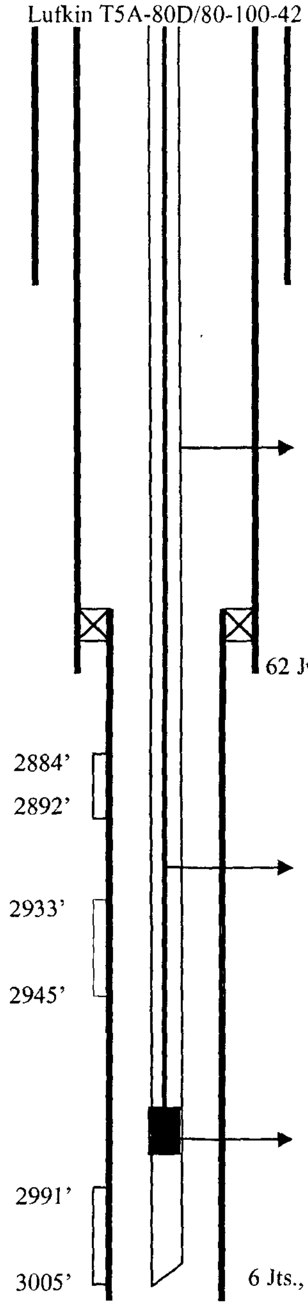
Pumping Unit

Lufkin T5A-80D/80-100-42

Location:
2155' FSL and 1870' FWL
NE/4 SW/4 Sec 4K, T31N R5W
Rio Arriba, New Mexico
Elevation: 6192' GR

API No. 30-039-26724

Spud:	06/27/01
Completed:	07/24/01
First Delivery:	10/26/01
Pump Install:	10/26/05



7 Jts., 9-5/8", 36#, K-55 @ 296'.

95 jts., 2 3/8", J-55 EUE, 4.6# tbg. landed @ 3010' as follows: 26' mud anchor, 1.81" F- nipple @ 2984', 95 jts.

Liner Hanger: Top @ 2732'

62 Jts., 7", 20#, J-55, @ 2850.

Rod String: 119 – ¾" grade D rods, 6' & 8' pony rods, 22' x 1 ¼" polish rod w/ 10' x 1 ½" polish rod liner.

Insert Pump: 1 ¼" x 11' (Energy Pump) w/ 1" x 6' gas anchor.

6 Jts., 5-1/2", 17#, J-55 @ 3013'.

Top	Depth
Ojo Alamo	2279'
Kirtland	2395'
Fruitland	2764'
Pictured Cliffs	3304'

Perforations
No Diameter or Density in Well File.
2884'-2892', 2933'- 2945', 2991' - 3005'

PBTD 3012'
TD 3108'

Underream 6-1/4" – 9-1/2"
from 2855' – 3010'

Hole Size	Casing	Cement	Volume	Top of CMT
12-1/4"	9-5/8", 36#	130 sx	183 cu. Ft.	Surface
8-3/4"	7", 20#	515 sx	942 cu. Ft.	Surface
9-1/2"	5-1/2", 17#	None	N.A.	N/A

RML 05/01/07

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised March 17, 1999

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address	2 OGRID Number
WILLAIMS PRODUCTION COMPANY P O BOX 3102, MS 37-2 TULSA, OK 74101	120782 3 Reason for Filing Code NW

4 API Number	5 Pool Name	6 Pool Code
30 – 039-26724	BASIN FRUITLAND COAL	71629
7 Property Code	8 Property Name	9 Well Number
17033	ROSA UNIT	359

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	4	31N	5W		2155'	SOUTH	1870'	WEST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
F					

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267	2830134	O	
025244	WILLIAMS FIELD SERVICES ATTN: BUD ALMOND P O BOX 645 TULSA, OKLA 74102	2830135	G	
				OCT 2001 RECEIVED OIL CON. DIV.

NON-COMMERCIAL

The Rosa Unit # 351A Fruitland Coal Well (Non-Commercial) is located 1559 feet from the North Line and 1287 feet from the West Line, Section 11, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on October 8, 2005, and completed in the Fruitland Coal formation on October 26, 2005. This horizontal well completed in the open hole and a perforated liner (3153' to 4444' MD) was hung off. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 990 psig. In December, 2005, the well was tested after flowing for three hours on the tubing, the well gauged 344 Mcfd. A rod pump was installed in July 2007. Current flow rate on this well is between 70 and 100Mcfd.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 7.23% and is therefore determined non-commercial.

Attached to this document are the following:
* OGRE economic model output including gas price assumptions
* Historic production plot with forecast
* Well-bore schematic
* Well Completion or Recompletion Report and Log

Evaluating Engineer

Robert L. Goodwin III 4-15-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

OGRE(R) V2.2 BATAX — D A T A R E P O R T — DATE: 04/15/08
FILE NAME: wpcp (4925) — TIME: 08:44:50
CASE NAME: COMM RU 351A FTC -351A -90TH-RLG- -SJB
101 ROSA UNIT # 351A
102 FTC T31N-R5W-SEC. 11
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE NONE
120 01 2004 12 12 01 2005 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	1200.00	1.000	GAS	12/01/2005

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

		WATER	GAS
305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	1.	.000	.000
315	3.	640.000	13774.000
316	3.	560.000	7534.000
317	3.	370.000	12207.000
318	3.	400.000	12978.000
319	3.	240.000	9913.000
320	3.	400.000	9195.000
321	3.	560.000	8964.000
322	3.	.000	8006.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		6.572	84.169	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	6.572	84.169	68.641	7.000	YRS	D	165.946	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	68.641	.232	42.000	YRS	D	319.584	MMCF
420	WATER	EXP		8.054	6.835	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	6.835	.435	36.796	YRS	D	30.989	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 ! CASE $ARR17_OP_POV_APR07
629 ! CASE $AREA17
630 ! EST. GATHERING PER WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 ! SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 ! SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 ! SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 ! SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 ! WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 ! MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 ! DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 ! EST. FLU PER WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 ! CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 ! SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 ! SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 ! SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 ! SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 ! WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 ! MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 ! MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 ! CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 ! ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 ! AFE=WT854 ACTUAL COST
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	102.420	580.381	.000		
803 ! AFE=WT854 ACTUAL COST									
803	COMP	-2.000	MOS	G	67.031	124.486	.000		

850 NOLOSS = ON

ECONOMIC LIFE (YRS): 19.000

(MO): 301.467
25.128

ROSA UNIT # 351A
FTC T31N-R5W-SEC. 11
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 04/15/08
TIME: 08:44:50
FILE: wpcp
PROP: 4925
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF DECEMBER 1, 2005

	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			----------------OPERATIONS, M$---------------			
-END- MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-05	.000	.000	.000	.000	.00	7.85	1.0	.000	.000	.000	.000
12-06	.000	46.493	.000	39.333	.00	6.06	1.0	.000	238.347	.000	238.347
12-07	.000	36.078	.000	30.522	.00	6.68	1.0	.000	203.798	.000	203.798
12-08	.000	29.701	.000	25.127	.00	6.68	1.0	.000	167.775	.000	167.775
12-09	.000	27.749	.000	23.476	.00	6.68	1.0	.000	156.751	.000	156.751
12-10	.000	25.925	.000	21.933	.00	6.68	1.0	.000	146.449	.000	146.449
12-11	.000	23.124	.000	19.563	.00	6.68	1.0	.000	130.624	.000	130.624
12-12	.000	19.655	.000	16.628	.00	6.68	1.0	.000	111.027	.000	111.027
12-13	.000	16.707	.000	14.134	.00	6.68	1.0	.000	94.374	.000	94.374
12-14	.000	14.201	.000	12.014	.00	6.68	1.0	.000	80.219	.000	80.219
12-15	.000	12.071	.000	10.212	.00	6.68	1.0	.000	68.186	.000	68.186
12-16	.000	10.260	.000	8.680	.00	6.68	1.0	.000	57.957	.000	57.957
12-17	.000	8.722	.000	7.379	.00	6.68	1.0	.000	49.270	.000	49.270
12-18	.000	7.413	.000	6.271	.00	6.68	1.0	.000	41.872	.000	41.872
12-19	.000	6.301	.000	5.331	.00	6.68	1.0	.000	35.596	.000	35.596
12-20	.000	5.356	.000	4.531	.00	6.68	1.0	.000	30.254	.000	30.254
12-21	.000	4.552	.000	3.851	.00	6.68	1.0	.000	25.713	.000	25.713
12-22	.000	3.870	.000	3.274	.00	6.68	1.0	.000	21.861	.000	21.861
12-23	.000	3.289	.000	2.782	.00	6.68	1.0	.000	18.576	.000	18.576
12-24											
12-25											
12-26											
12-27											
12-28											
12-29											
S TOT	.000	301.467	.000	255.041	.00	6.58	1.0	.000	1678.649	.000	1678.649
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	301.467	.000	255.041	.00	6.58	1.0	.000	1678.649	.000	1678.649

	----------------OPERATIONS, M$----------------				------------CAPITAL COSTS, M$------------					8.00 PCT
-END- MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-05	.000	.000	1.200	-1.200	169.451	704.867	.000	.000	-875.518	-886.801
12-06	21.451	2.169	19.128	195.599	.000	.000	.000	.000	195.599	-699.789
12-07	18.342	1.855	17.280	166.321	.000	.000	.000	.000	166.321	-552.549
12-08	15.100	1.527	20.143	131.005	.000	.000	.000	.000	131.005	-445.164
12-09	14.108	1.426	19.680	121.537	.000	.000	.000	.000	121.537	-352.920
12-10	13.180	1.333	19.255	112.681	.000	.000	.000	.000	112.681	-273.732
12-11	11.756	1.189	18.864	98.815	.000	.000	.000	.000	98.815	-209.433
12-12	9.992	1.010	18.504	81.521	.000	.000	.000	.000	81.521	-160.316
12-13	8.494	.859	18.175	66.846	.000	.000	.000	.000	66.846	-123.024
12-14	7.220	.730	17.870	54.399	.000	.000	.000	.000	54.399	-94.924
12-15	6.137	.620	17.590	43.839	.000	.000	.000	.000	43.839	-73.956
12-16	5.216	.527	17.333	34.881	.000	.000	.000	.000	34.881	-58.509
12-17	4.434	.448	17.098	27.290	.000	.000	.000	.000	27.290	-47.319
12-18	3.768	.381	16.882	20.841	.000	.000	.000	.000	20.841	-39.406
12-19	3.204	.324	16.680	15.388	.000	.000	.000	.000	15.388	-33.996
12-20	2.723	.275	16.495	10.761	.000	.000	.000	.000	10.761	-30.493
12-21	2.314	.234	16.330	6.835	.000	.000	.000	.000	6.835	-28.433
12-22	1.967	.199	16.171	3.524	.000	.000	.000	.000	3.524	-27.450
12-23	1.672	.169	16.030	.705	.000	.000	.000	.000	.705	-27.268
12-24										
12-25										
12-26										
12-27										
12-28										
12-29										
S TOT	151.078	15.275	320.708	1191.588	169.451	704.867	.000	.000	317.270	-27.268
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	-27.268
TOTAL	151.078	15.275	320.708	1191.588	169.451	704.867	.000	.000	317.270	-27.268

ROSA UNIT # 351A
FTC T31N-R5W-SEC. 11
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 04/15/08
TIME: 08:44:50
FILE: wpcp
PROP: 4925
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF DECEMBER 1, 2005

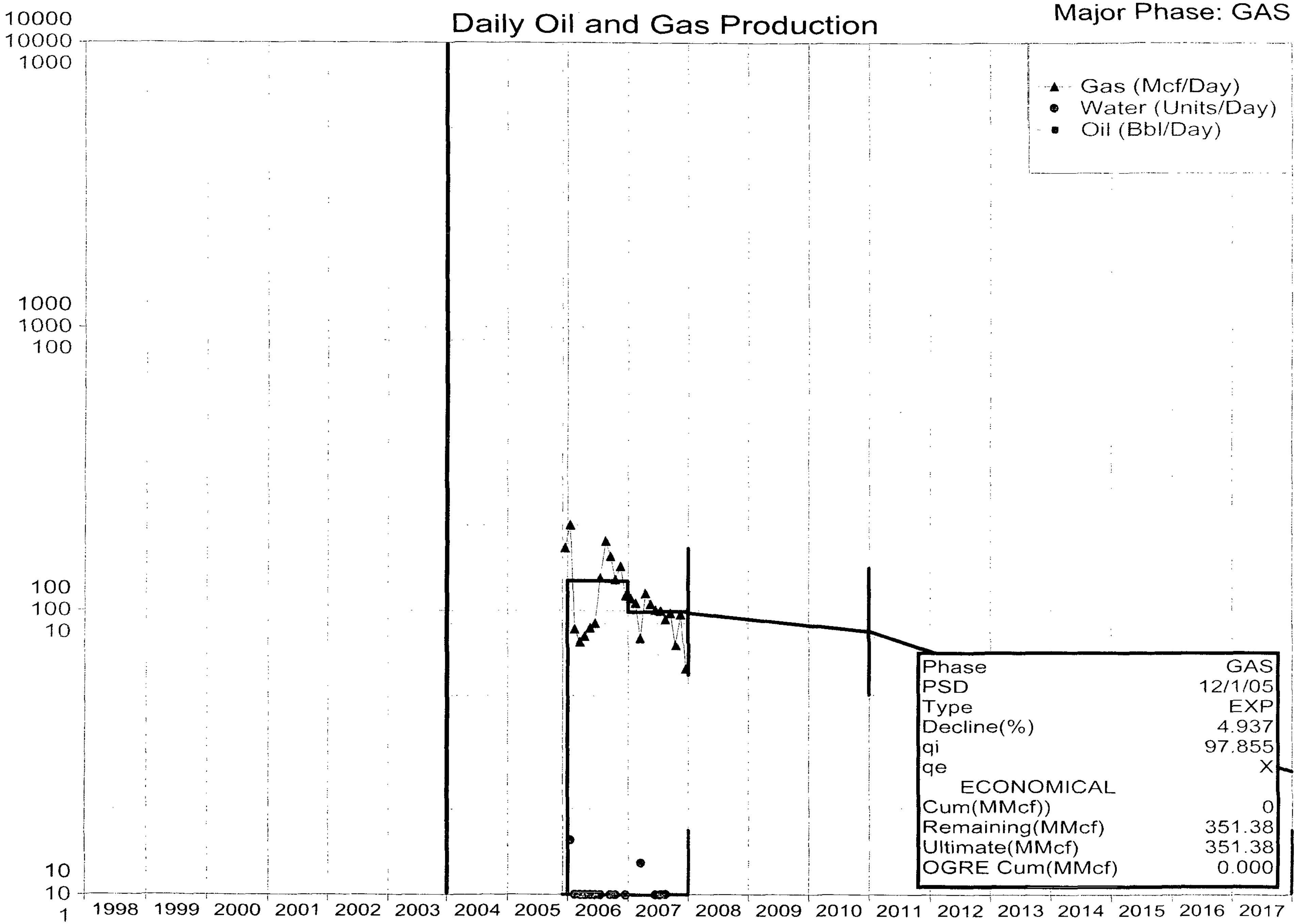
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-05	-1.200	12.104	.000	704.867	.000	-718.171	.000	-280.087	-595.431	-607.611
12-06	195.599	44.956	.000	.000	.000	150.643	.000	58.751	136.848	-476.771
12-07	166.321	32.112	.000	.000	.000	134.209	.000	52.342	113.979	-375.868
12-08	131.005	22.937	.000	.000	.000	108.068	.000	42.147	88.858	-303.031
12-09	121.537	16.383	.000	.000	.000	105.154	.000	41.010	80.527	-241.912
12-10	112.681	14.894	.000	.000	.000	97.787	.000	38.137	74.544	-189.525
12-11	98.815	14.894	.000	.000	.000	83.921	.000	32.729	66.086	-146.523
12-12	81.521	11.171	.000	.000	.000	70.350	.000	27.437	54.084	-113.937
12-13	66.846	.000	.000	.000	.000	66.846	.000	26.070	40.776	-91.189
12-14	54.399	.000	.000	.000	.000	54.399	.000	21.216	33.183	-74.048
12-15	43.839	.000	.000	.000	.000	43.839	.000	17.097	26.742	-61.258
12-16	34.881	.000	.000	.000	.000	34.881	.000	13.604	21.277	-51.835
12-17	27.290	.000	.000	.000	.000	27.290	.000	10.643	16.647	-45.009
12-18	20.841	.000	.000	.000	.000	20.841	.000	8.128	12.713	-40.182
12-19	15.388	.000	.000	.000	.000	15.388	.000	6.001	9.387	-36.882
12-20	10.761	.000	.000	.000	.000	10.761	.000	4.197	6.564	-34.745
12-21	6.835	.000	.000	.000	.000	6.835	.000	2.666	4.169	-33.488
12-22	3.524	.000	.000	.000	.000	3.524	.000	1.374	2.150	-32.888
12-23	.705	.000	.000	.000	.000	.705	.000	.275	.430	-32.777
12-24										
12-25										
12-26										
12-27										
12-28										
12-29										
S TOT	1191.588	169.451	.000	704.867	.000	317.270	.000	123.737	193.533	-32.777
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	-32.777
TOTAL	1191.588	169.451	.000	704.867	.000	317.270	.000	123.737	193.533	-32.777

BTAX RATE OF RETURN (PCT)	7.23	ATAX RATE OF RETURN (PCT)	6.60
BTAX PAYOUT	08/10/2012	ATAX PAYOUT	08/21/2012
BTAX PAYOUT (DISC)	LIFE	ATAX PAYOUT (DISC)	LIFE
BTAX NET INCOME/INVEST	1.36	ATAX NET INCOME/INVEST	1.22
BTAX NET INCOME/INVEST (DISC)	.97	ATAX NET INCOME/INVEST (DISC)	.96
PRODUCTION START DATE	12/01/05	PROJECT LIFE (YEARS)	19.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	6.68
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	301.467
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	301.467
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	317.270	193.533
2.0	210.535	123.951
5.0	78.727	37.416
8.0	-27.268	-32.777
10.0	-86.924	-72.577
12.0	-139.502	-107.863
15.0	-207.549	-153.867
18.0	-265.194	-193.187
20.0	-298.957	-216.381
25.0	-370.579	-266.077
30.0	-428.297	-306.697
35.0	-475.921	-340.678
40.0	-516.016	-369.666
45.0	-550.354	-394.813
50.0	-580.196	-416.933
60.0	-629.831	-454.355
70.0	-669.850	-485.178
80.0	-703.156	-511.330
90.0	-731.577	-534.038
100.0	-756.311	-554.117

Property 4925
COMM RU 351A FTC
31 N - 6 W SEC 15 SW SE



ROSA UNIT #351A
BASIN FRUITLAND COAL

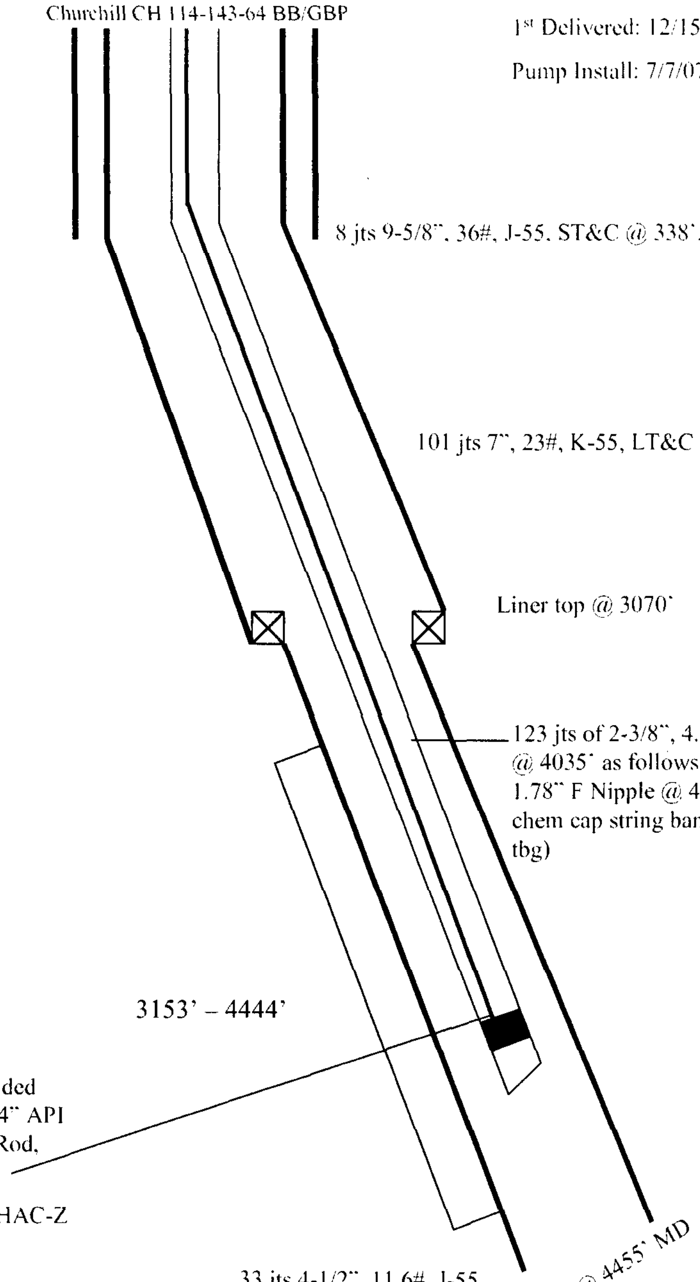
<u>Surface Location:</u>
1310' FNL and 215' FWL
NW/4 NW/4 Sec 11(D), T31N, R5W
Rio Arriba, NM

<u>Bottom Hole Location:</u>
1559' FNL and 1287' FWL
SW/4 NW/4 Sec 11(E), T31N, R5W
Rio Arriba, NM

Elevation: 6825' GR
API # 30-039-29365

Spud: 10/08/05
Completed: 10/26/05
1st Delivered: 12/15/05
Pump Install: 7/7/07

Top	MD Depth
Ojo Alamo	2943'
Kirtland	3060'
Fruitland	3402'
Base of Coal	3622'
Pictured Cliffs	3624'



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	200 sx	282 cu. ft.	Surface
8-3/4"	7", 23#	625 sx	1212 cu. ft.	Surface
6-1/4"	4-1/2", 11.6#	Did Not Cmt		

Candice Price 06/13/07

District I
1625 N. French Dr., Hobbs. NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-1 TULSA, OK 74101	2 OGRID Number 120782	
	3 Reason for Filing Code/ Effective Date NW	
4 API Number 30 – 039-29365	5 Pool Name BASIN FRUITLAND COAL	6 Pool Code 71629
7 Property Code 17033	8 Property Name ROSA UNIT	9 Well Number 351A

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
D	11	31N	5W		1310	NORTH	215	WEST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	11	31N	5W		1459	NORTH	1287	WEST	RIO ARRIBA

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	

MAR 2006
OIL C... DIV
DIST. 3

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

V. Well Completion Data

AL 2153-4444

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO. NMSF-078762

2006 MAR 2 PM 2 36
RECEIVED
070 FARMINGTON NM

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

7. UNIT AGREEMENT NAME

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF.RESVR. OTHER

2. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.: ROSA UNIT #351A

3. ADDRESS AND TELEPHONE NO.: P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.: 30-039-29365

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1310' FNL & 215' FWL
At top production interval reported below :
At total depth: 1459' FNL & 1287' FWL

10. FIELD AND POOL, OR WILDCAT: BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA: NW/4 NW/4 SEC 11-31N-05W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	13. STATE
		RIO ARRIBA	NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
10/08/05	10/25/05	10/26/05	6825' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
4452' MD				x	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 0000' – 0000'

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED: NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" J-55	36#	338'	12-1/4"	200 SX - SURFACE	
7" K-55	23#	3918'	8-3/4"	625 SX – SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4 ½" 11.6# J-55	3070'	4445'	0 SX	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 ⅜" J-55 6.5#	3885'	

31. PERFORATION RECORD (Interval, size, and number)
Basin Fruitland Coal: Ran 33 jts of pre-perforated csg

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
	Flowing	Producing

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL.	GAS-OIL RATIO
12/14/05		3/4"	3 hrs		344		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL – BBL.	GAS – MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
205	990					

ACCEPTED FOR RECORD
MAR 03 2006
FARMINGTON FIELD OFFICE
BY

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Production Analyst DATE February 27, 2006

NMOCD

The Rosa Unit #350 Fruitland Coal Well (non-commercial) is located 791 feet from the North Line and 1896 feet from the East Line, Section 11, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on October 27, 2005, and completed in the Fruitland Coal formation on November 18, 2005. This is a horizontal well. The Fruitland Coal formation was completed with a pre-perforated liner between the following measured depths: 3260' to 5570'. This well has a 2 3/8" tubing string. This well was shut in with a SICP of 990 psig. On December 14, 2005 the well was tested and after flowing for three hours through a ¾" choke on the 2 3/8" tubing, the well gauged 344 MCFD.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 0% and is therefore determined non-commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III 4-15-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

```
OGRE(R) V2.2  BATAX                                        D A T A   R E P O R T                     DATE: 03/31/08
FILE NAME:          ( 4924)                                - - - -   - - - - - -                     TIME: 13:39:24
CASE NAME: COMM RU 350 FTC               -350          -90TH-RLG-              -SJB
101 ROSA UNIT # 350
102 FTC T31N-R5W-SEC. 10
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE NONE
120 01 2004 12 12 01 2005 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTKCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	1200.00	1.000	GAS	12/01/2005

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	1.	.000	.000
315	3.	160.000	13201.167
316	3.	.000	19088.000
317	3.	160.000	6941.000
318	3.	480.000	6270.000
319	3.	.000	2497.000
320	3.	560.000	3431.000
321	3.	320.000	4159.000
322	3.	640.000	3636.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.937	44.581	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.937	44.581	38.299	7.000	YRS	D	104.513	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	38.299	.130	42.000	YRS	D	190.236	MMCF
420	WATER	EXP		8.054	6.835	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	6.835	.435	36.796	YRS	D	30.139	M-UNITS

```
600 SERIES LINES:
-----------------
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 ! CASE $ARR17_OP_POV_APR07
629 ! CASE $AREA17
630 ! EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 ! SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 ! SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 ! SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 ! SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 ! WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 ! MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 ! DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 ! EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 ! CASE 100242 RIFUELER - RI FUELL BURDEN ALGORITHM
642 ! SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 ! SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 ! SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 ! SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 ! WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 ! MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 ! MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 ! CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 ! ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 ! AFE=WT855 ACTUAL COST
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	118.178	669.678	.000		
803 ! AFE=WT855 ACTUAL COST									
803	COMP	-2.000	MOS	G	73.672	136.820	.000		

850 NOLOSS = ON

ECONOMIC LIFE (YRS): 15.000

GROSS GAS	(MMCF):	170.605
GROSS WATER	(MU):	21.184

ROSA UNIT # 350
FTC T31N-R5W-SEC. 10
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/31/08
TIME: 13:39:24
FILE:
PROP: 4924
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF DECEMBER 1, 2005

-END- MO-YR	GROSS PRODUCTION OIL, MBBL	GROSS PRODUCTION GAS, MMCF	NET PRODUCTION OIL, MBBL	NET PRODUCTION GAS, MMCF	PRICES OIL $/B	PRICES GAS $/M	NO. OF WELLS	OPERATIONS, M$ OIL REVENUE	OPERATIONS, M$ GAS REVENUE	OPERATIONS, M$ OTHER REVENUE	OPERATIONS, M$ TOTAL REVENUE
12-05	.000	.000	.000	.000	.00	7.85	1.0	.000	.000	.000	.000
12-06	.000	45.500	.000	38.493	.00	6.06	1.0	.000	233.257	.000	233.257
12-07	.000	13.723	.000	11.610	.00	6.68	1.0	.000	77.521	.000	77.521
12-08	.000	15.867	.000	13.423	.00	6.68	1.0	.000	89.627	.000	89.627
12-09	.000	15.084	.000	12.761	.00	6.68	1.0	.000	85.206	.000	85.206
12-10	.000	14.339	.000	12.131	.00	6.68	1.0	.000	81.000	.000	81.000
12-11	.000	12.902	.000	10.915	.00	6.68	1.0	.000	72.880	.000	72.880
12-12	.000	10.967	.000	9.278	.00	6.68	1.0	.000	61.950	.000	61.950
12-13	.000	9.322	.000	7.886	.00	6.68	1.0	.000	52.656	.000	52.656
12-14	.000	7.923	.000	6.703	.00	6.68	1.0	.000	44.757	.000	44.757
12-15	.000	6.735	.000	5.698	.00	6.68	1.0	.000	38.046	.000	38.046
12-16	.000	5.725	.000	4.843	.00	6.68	1.0	.000	32.337	.000	32.337
12-17	.000	4.866	.000	4.117	.00	6.68	1.0	.000	27.490	.000	27.490
12-18	.000	4.136	.000	3.499	.00	6.68	1.0	.000	23.363	.000	23.363
12-19	.000	3.516	.000	2.975	.00	6.68	1.0	.000	19.864	.000	19.864
S TOT	.000	170.605	.000	144.332	.00	6.51	1.0	.000	939.954	.000	939.954
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	170.605	.000	144.332	.00	6.51	1.0	.000	939.954	.000	939.954

-END- MO-YR	OPERATIONS, M$ SEVERANCE TAXES	OPERATIONS, M$ AD VAL TAXES	OPERATIONS, M$ NET OPER EXPENSES	OPERATIONS, M$ OPERATIONS CASH FLOW	CAPITAL COSTS, M$ TANGIBLE COSTS	CAPITAL COSTS, M$ INTANG. COSTS	CAPITAL COSTS, M$ LSEHOLD COSTS	CAPITAL COSTS, M$ SALVAGE VALUE	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
12-05	.000	.000	1.200	-1.200	191.850	806.498	.000	.000	-999.548	-1012.432
12-06	20.993	2.123	16.320	193.821	.000	.000	.000	.000	193.821	-827.120
12-07	6.977	.705	18.048	51.791	.000	.000	.000	.000	51.791	-781.271
12-08	8.066	.816	20.143	60.602	.000	.000	.000	.000	60.602	-731.595
12-09	7.669	.775	19.680	57.082	.000	.000	.000	.000	57.082	-688.271
12-10	7.290	.737	19.255	53.718	.000	.000	.000	.000	53.718	-650.520
12-11	6.559	.663	18.864	46.794	.000	.000	.000	.000	46.794	-620.071
12-12	5.576	.564	18.504	37.306	.000	.000	.000	.000	37.306	-597.594
12-13	4.739	.479	18.175	29.263	.000	.000	.000	.000	29.263	-581.269
12-14	4.028	.407	17.870	22.452	.000	.000	.000	.000	22.452	-569.671
12-15	3.424	.346	17.590	16.686	.000	.000	.000	.000	16.686	-561.690
12-16	2.910	.294	17.333	11.800	.000	.000	.000	.000	11.800	-556.464
12-17	2.474	.250	17.098	7.668	.000	.000	.000	.000	7.668	-553.320
12-18	2.103	.213	16.882	4.165	.000	.000	.000	.000	4.165	-551.739
12-19	1.788	.181	16.680	1.215	.000	.000	.000	.000	1.215	-551.312
S TOT	84.596	8.553	253.642	593.163	191.850	806.498	.000	.000	-405.185	-551.312
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	-551.312
TOTAL	84.596	8.553	253.642	593.163	191.850	806.498	.000	.000	-405.185	-551.312

ROSA UNIT # 350
FTC T31N-R5W-SEC. 10
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/31/08
TIME: 13:39:24
FILE:
PROP: 4924
STID: COMMSJE
.CMD: CURRENT:
.OUT: SAMPLE

AFTER TAX ECONOMICS

AS OF DECEMBER 1, 2005

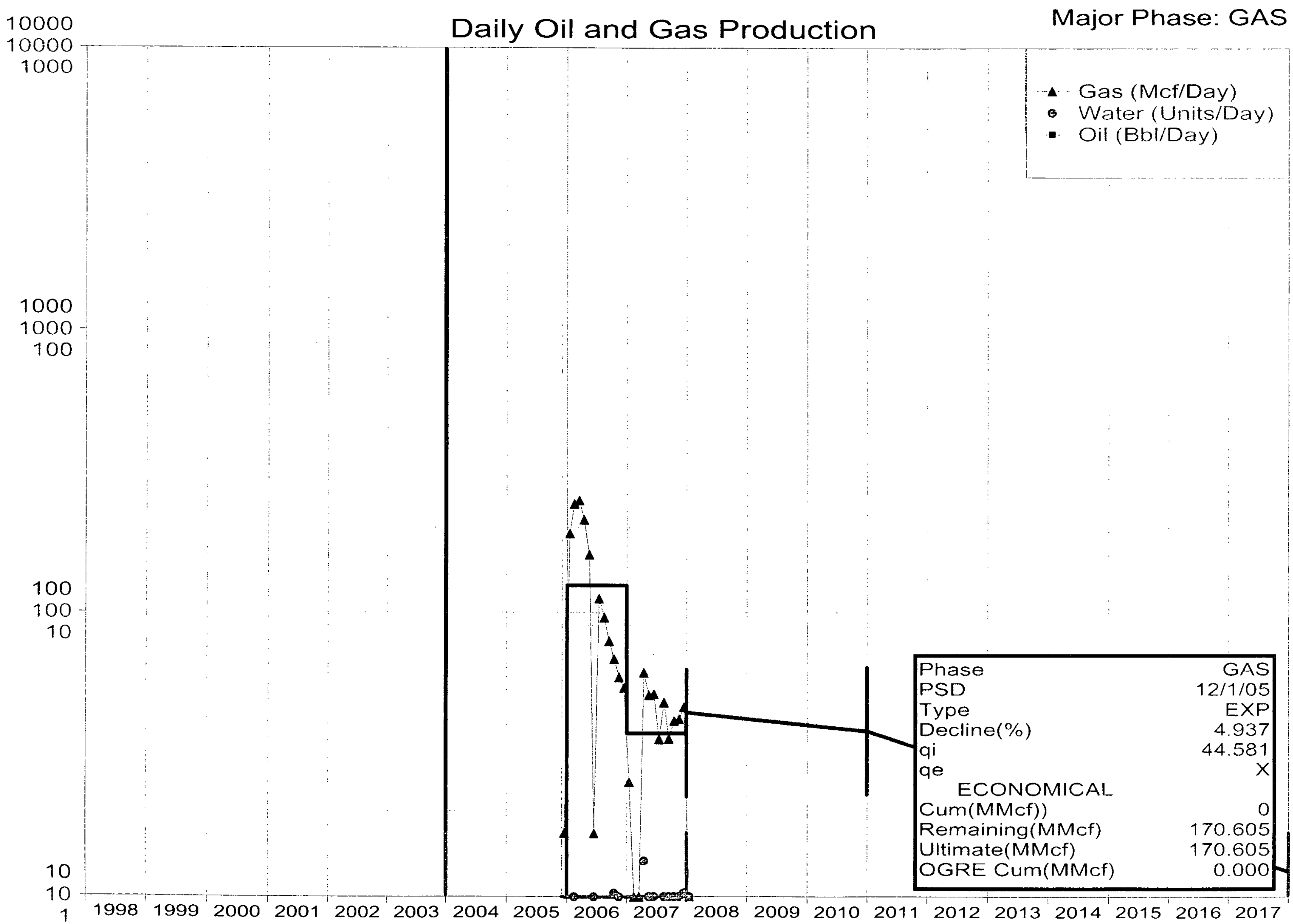
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-05	-1.200	13.704	.000	806.498	.000	-821.402	.000	-320.347	-679.201	-693.111
12-06	193.821	50.899	.000	.000	.000	142.922	.000	55.740	138.081	-561.092
12-07	51.791	36.356	.000	.000	.000	15.435	.000	6.020	45.771	-520.572
12-08	60.602	25.969	.000	.000	.000	34.633	.000	13.507	47.095	-481.968
12-09	57.082	18.549	.000	.000	.000	38.533	.000	15.028	42.054	-450.050
12-10	53.718	16.863	.000	.000	.000	36.855	.000	14.373	39.345	-422.400
12-11	46.794	16.863	.000	.000	.000	29.931	.000	11.673	35.121	-399.547
12-12	37.306	12.647	.000	.000	.000	24.659	.000	9.617	27.689	-382.864
12-13	29.263	.000	.000	.000	.000	29.263	.000	11.413	17.850	-372.906
12-14	22.452	.000	.000	.000	.000	22.452	.000	8.756	13.696	-365.831
12-15	16.686	.000	.000	.000	.000	16.686	.000	6.508	10.178	-360.963
12-16	11.800	.000	.000	.000	.000	11.800	.000	4.602	7.198	-357.775
12-17	7.668	.000	.000	.000	.000	7.668	.000	2.991	4.677	-355.857
12-18	4.165	.000	.000	.000	.000	4.165	.000	1.624	2.541	-354.892
12-19	1.215	.000	.000	.000	.000	1.215	.000	.474	.741	-354.631
S TOT	593.163	191.850	.000	806.498	.000	-405.185	.000	-158.021	-247.164	-354.631
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	-354.631
TOTAL	593.163	191.850	.000	806.498	.000	-405.185	.000	-158.021	-247.164	-354.631

BTAX RATE OF RETURN (PCT)	.00	ATAX RATE OF RETURN (PCT)	.00
BTAX PAYOUT	LIFE	ATAX PAYOUT	LIFE
BTAX PAYOUT (DISC)	LIFE	ATAX PAYOUT (DISC)	LIFE
BTAX NET INCOME/INVEST	.59	ATAX NET INCOME/INVEST	.75
BTAX NET INCOME/INVEST (DISC)	.45	ATAX NET INCOME/INVEST (DISC)	.65
PRODUCTION START DATE	12/01/05	PROJECT LIFE (YEARS)	15.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	6.68
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	170.605
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	170.605
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	-405.185	-247.164
2.0	-448.843	-278.874
5.0	-504.660	-319.884
8.0	-551.312	-354.631
10.0	-578.362	-375.004
12.0	-602.729	-393.521
15.0	-635.081	-418.362
18.0	-663.291	-440.287
20.0	-680.188	-453.556
25.0	-717.088	-482.891
30.0	-748.004	-507.907
35.0	-774.445	-529.643
40.0	-797.461	-548.840
45.0	-817.794	-566.024
50.0	-835.989	-581.582
60.0	-867.481	-608.928
70.0	-894.146	-632.496
80.0	-917.324	-653.286
90.0	-937.885	-671.952
100.0	-956.406	-688.936

Property 4924
COMM RU 350 FTC
31 N - 5 W SEC 11 NW



ROSA UNIT #350
BASIN FRUITLAND COAL

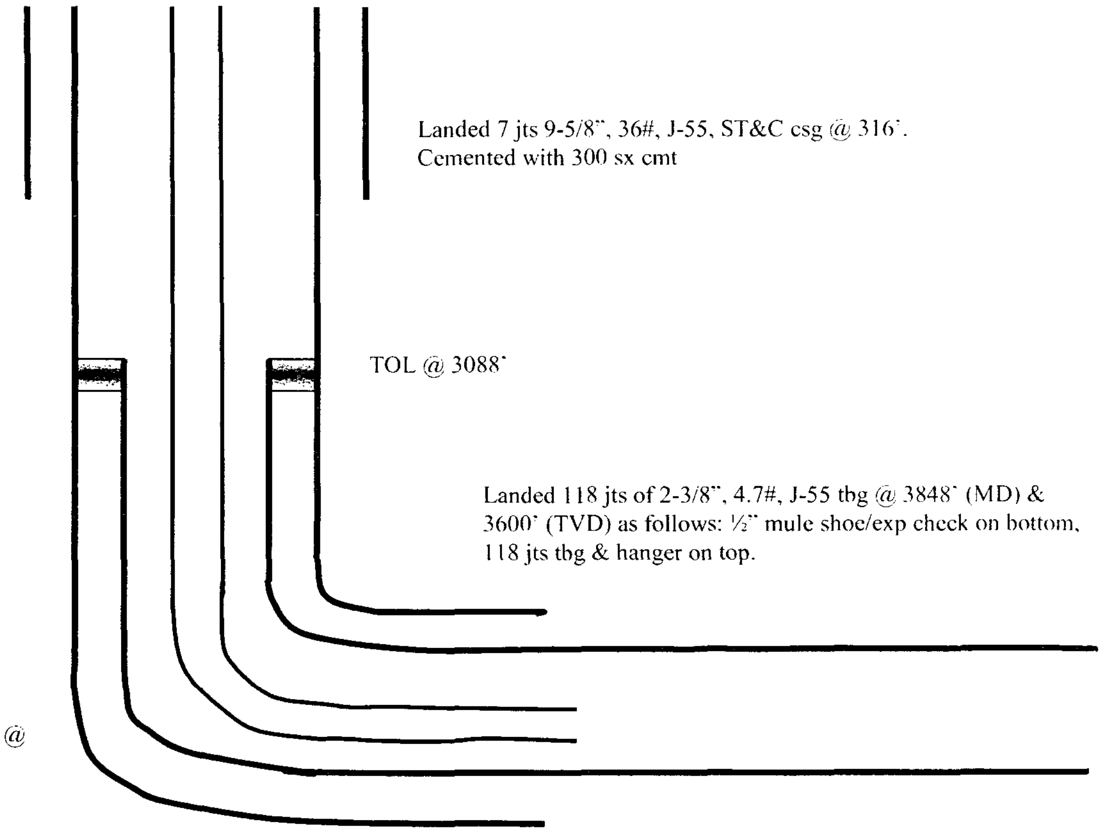
Spud date: 10/27/05
Completed: 11/18/05
1st Delivered: 12/15/05

Location:
SHL: 1290' FNL and 170' FWL
NW/4 NW/4 Sec 11(D), T31N, R05W

BHL: 791' FNL and 1896' FEL
NW/4 NE/4 Sec 10(B), T31N, R05W
Rio Arriba, New Mexico

Elevation: 6826' GR
API # 30-039-29366

Top	MD Depth	TVD DEPTH
Ojo Alamo	2866'	2940'
Kirtland	2976'	3055'
Fruitland	3349'	3340'
Base of Coal	3747'	3615'



Landed 7 jts 9-5/8", 36#, J-55, ST&C csg @ 316'. Cemented with 300 sx cmt

TOL @ 3088'

Landed 118 jts of 2-3/8", 4.7#, J-55 tbg @ 3848' (MD) & 3600' (TVD) as follows: ½" mule shoe/exp check on bottom, 118 jts tbg & hanger on top.

TD @ 5575' TMD
@ 3608' TVD

Landed 99 jts 7", 23#, K-55, LT&C csg @ 3860'. Cemented with 741 sx cmt.

Landed 4-1/2" liner @ 5574', TOL @ 3088' as follows: liner hanger, 4 jts 4 ½", 10.5#, J-55 non-perfed csg, 56 jts, 4 ½", 11.5#, J-55 perfed csg & shoe on bottom. Liner perfs are from 3260' to 5570'. Total feet perforated = 2310' @ 24 SPF. Total of 55,440 (0.50") holes. Did not cement

Hole Size	Casing	Cement	Volume	Top of CMT
12-1/4"	9-5/8",36#	300 sx	423 cu.ft.	surface
8-3/4"	7", 23#	741 sx	1451 cu.ft.	surface
6-1/4"	4-1/2",11.6#	Did Not Cmt	N/A	N/A

TR 07/18/06

District I
1625 N. French Dr., [illegible] 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address			2 OGRID Number
WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-1 TULSA, OK 74101			120782
			3 Reason for Filing Code/ Effective Date NW
4 API Number	5 Pool Name		6 Pool Code
30 – 039-29366	BASIN FRUITLAND COAL NSL 5458		71629
7 Property Code	8 Property Name		9 Well Number
17033	ROSA UNIT		350

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
D	11	31N	5W		1290	NORTH	170	WEST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	10	31N	5W		791	NORTH	1896	EAST	RIO ARRIBA

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	

MAY 2006
OIL ... DIV.
DIST. 3

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO.
NMSF-078763

6. IF INDIAN,ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

7. UNIT AGREEMENT NAME

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF.RESVR. OTHER

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #350

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.
30-039-29366

MAY 2006

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1290' FNL & 170' FWL
At top production interval reported below :
At total depth: 791' FNL & 1896' FEL

10. FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA
NW/4 NE/4 SEC 10-31N-5W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	13. STATE
		RIO ARRIBA	NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
10/27/2005	11/16/2005	11/18/2005	6826' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5575' MD				X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
3260-5570

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED
NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE.	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" J-55	36#	316'	12-1/4"	300 SX - SURFACE	
7" K-55	23#	3860'	8-3/4"	741 SX – SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4 ½" 11.6# J-55	3088'	5574'	0 SX	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8" J-55 4.7#	3848'	

31. PERFORATION RECORD (Interval, size, and number)

3260-5570 (pre-perf'd csg)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
12/15/05	Flowing	Producing

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL.	GAS-OIL RATIO
12/14/05		¾"	3 hrs		344		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS – MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
205	990					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.):

TEST WITNESSED BY: Mark Lepich

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Production Analyst DATE May 15, 2006

ACCEPTED FOR RECORD

NMOCD

MAY 1 8 2006

FARMINGTON FIELD OFFICE

The Rosa Unit #347A Fruitland Coal Well (non-commercial) is located 1286 feet from the North Line and 1284 feet from the West Line, Section 11 Township 31 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 11, 2006, and completed in the Fruitland Coal formation on October 2, 2006. This is a horizontal well. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 3262' to 5378'. This well has a 2 3/8" tubing string. On October 19, 2006 the well was tested, while producing with a CP of 45 psig, and after flowing for three hours through a ¾" choke on the 2 3/8" tubing, the well gauged 208 MCFD.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 0% and is therefore determined non-commercial.

Attached to this document are the following:

- .OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III 4-15-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

```
117 CASE NONE
CASE NAME: COMM EU 347A FTC
120 01 2005 12 11 10 2005 8 2
130 INVEST -DB200 7 0 0 0 0
131 DFLG -DB200 7 0 0 0 0
132 COMP -DB200 7 0 0 0 0
133 GATHPL -DB200 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLHD -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 2

      W.I.         OP. COST    OP. COST    ADV. TAX    MAJOR      PROD  DATE
      FRACTION     ($/W/MO)    ($/MO.)     (PCT)       PH. NAME   (MO/DY/YR)
      --------     --------    --------    --------    --------   ----------
210   1.00000000        .00     4200.00       1.000    GAS        10/19/2006

      PHASE        CUM PROD    REV. INT    PRICE       SEV. TAX    NO. OF      RATIO TO
      NAME         (MUNITS)    FRACTION    ($/UNIT)    (PCT)       WELLS       MAJOR PH
      --------     --------    --------    --------    --------    --------    --------
222   GAS              .000   .84600000       5.470       9.000         1.0
224   WATER            .000   .84600000        .000        .000          .0

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

305        MAN       WATER        GAS
310        FACT        1.000      1.000
314          0.         .000       .000
315          3.         .000    609.000
316          3.         .000       .000
317          3.       80.000   2860.000
318          3.      160.000   1762.000
319          3.      320.000    800.000
320          1.         .000    356.000

      PH. NAME     CURVE TP    DECLINE%    QI  RATE    QT  RATE        CUM. LIMIT           (M OR Y)          CALC VALUE
      --------     --------    --------    --------    --------    --------------------     --------    --------------------
410   GAS          EXP            4.937      14.713           X        3.000     IYRS          D
CALC  GAS          EXP     END=   4.937      14.713      12.640        6.133     YRS           D             21.334    MMCF
411   GAS          EXP           15.000    LAST               X       35.000     IYRS          D
CALC  GAS          EXP     END=  15.000      12.640        .043       41.133     YRS           D             49.625    MMCF
420   WATER        EXP            8.054      10.509           X       34.879     YRS           D
CALC  WATER        EXP     END=   8.054      10.509        .628       36.678     YRS           D             43.509    M-UNITS

600 SERIES LINES:
-----------------
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 : CASE $ARE17_OP_POV_APR07
629 : CASE $AREA17
630 : EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 : SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 : SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 : SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 : SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 : WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 : MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 : DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 : EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 : CASE 100242 RIFUELER - RI FUELL BURDEN ALGORITHM
642 : SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 : SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 : AFE=WT2601 ACTUAL COST

      INV NAME     INV. POINT              (G OR N)     TANG-M$   INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
      --------     --------------------    --------     -------   ---------   ---------   ---------   ---------
802   DRLG            -2.000    MOS           G         167.243     947.711        .000
803 : AFE=WT2601 ACTUAL COST
803   COMP            -2.000    MOS           G          72.907     135.400        .000

850 NOLOSS = ON

ECONOMIC LIFE  (YRS):           -.900
GROSS GAS      (MMCF):           .000
GROSS WATER      (MU):           .000
```

DATE: 04/01/08
TIME: 10.46:34
FILE:
PROP: 4934
STID: COMMSJE
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF NOVEMBER 30, 2005

-END- MO-YR	----GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	-----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	---PRICES--- OIL $/B	GAS $/M	NO. OF WELLS	---OPERATIONS, M$--- OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
REM.	.000	.000	.000	.000	.00	.00	.0	.000	.000	.000	.000
TOTAL	.000	.000	.000	.000	.00	.00	.0	.000	.000	.000	.000

-END- MO-YR	---OPERATIONS, M$--- SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	---CAPITAL COSTS, M$--- TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

DATE: 04/01/08
TIME: 10:46:14
FILE:
PROP: 4934
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

AFTER TAX ECONOMICS

AS OF NOVEMBER 30, 2005

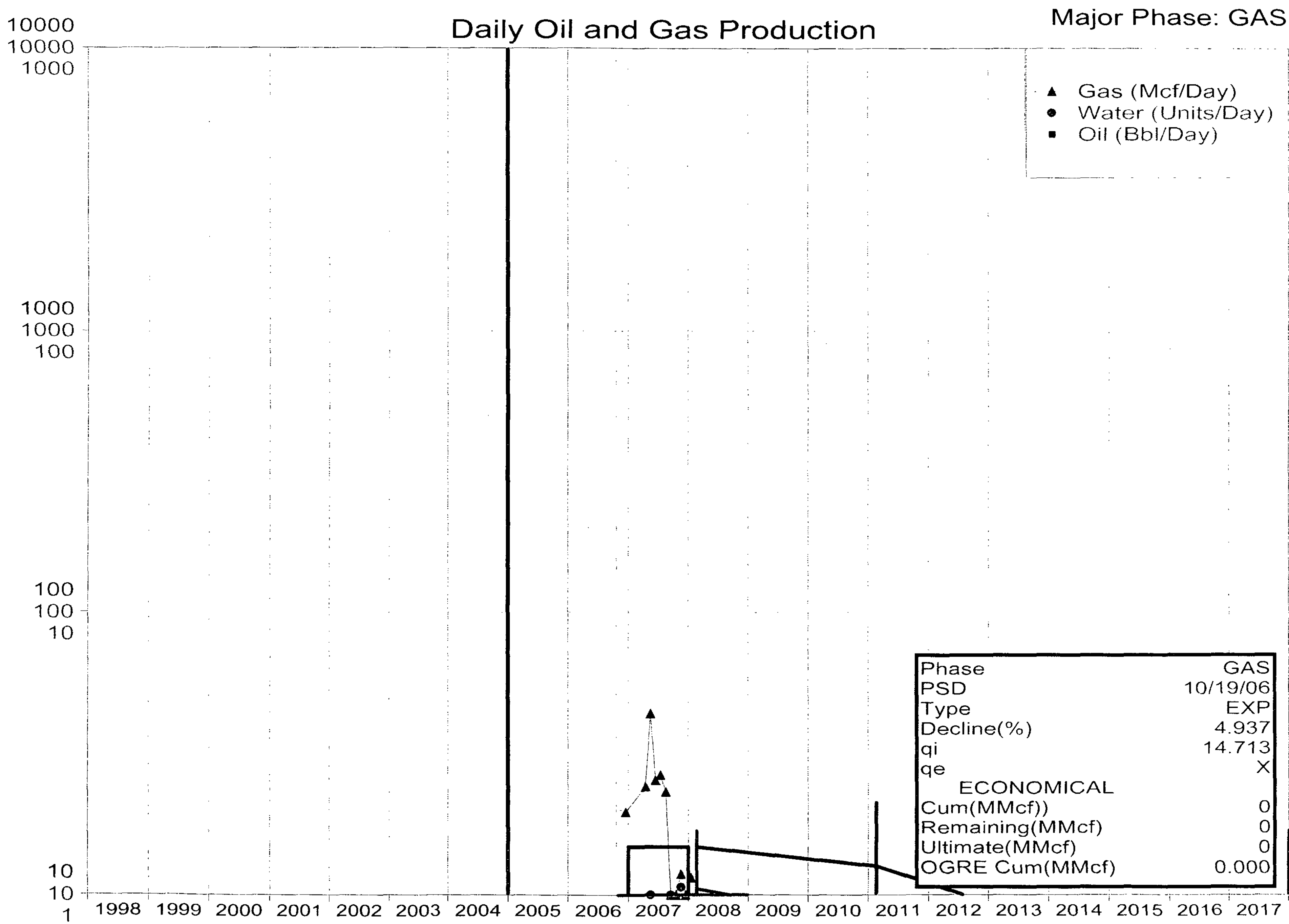
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BTAX RATE OF RETURN (PCT)	.00	ATAX RATE OF RETURN (PCT)	.00
BTAX PAYOUT	12/31/2005	ATAX PAYOUT	12/31/2005
BTAX PAYOUT (DISC)	12/31/2005	ATAX PAYOUT (DISC)	12/31/2005
BTAX NET INCOME/INVEST	.00	ATAX NET INCOME/INVEST	.00
BTAX NET INCOME/INVEST (DISC)	.00	ATAX NET INCOME/INVEST (DISC)	.00
PRODUCTION START DATE	10/19/06	PROJECT LIFE (YEARS)	-.90
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	.00
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	.000
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	.000
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	.000	.000
2.0	.000	.000
5.0	.000	.000
8.0	.000	.000
10.0	.000	.000
12.0	.000	.000
15.0	.000	.000
18.0	.000	.000
20.0	.000	.000
25.0	.000	.000
30.0	.000	.000
35.0	.000	.000
40.0	.000	.000
45.0	.000	.000
50.0	.000	.000
60.0	.000	.000
70.0	.000	.000
80.0	.000	.000
90.0	.000	.000
100.0	.000	.000

Property 4934
COMM RU 347A FTC
31 N - 4 W SEC 11 NW NW



ROSA UNIT #347A
BASIN FRUITLAND COAL

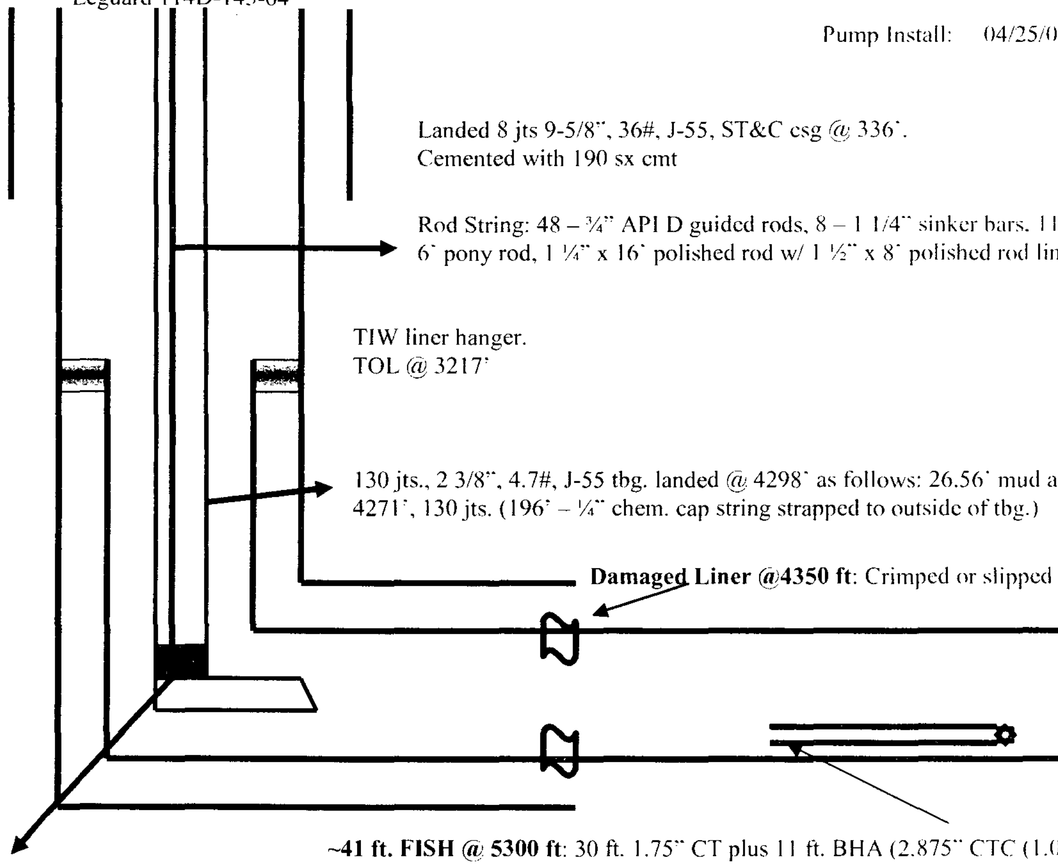
Location:
SHL: 2370' FNL and 2595' FWL
SE/4 NW/4 Sec 11(F), T31N, R04W
Rio Arriba, NM

BHL: 1286' FNL and 1284' FWL
NW/4 NW/4 Sec 11(D), T31N, R04W
Rio Arriba, NM

Elevation: 7018' GR
API # 30-039-29782

Spud date: 09/11/06
Completed: 10/04/06
1st Delivered: 10/19/06
Pump Install: 04/25/07

Pumping Unit
Leguard 114D-143-64



Landed 8 jts 9-5/8", 36#, J-55, ST&C csg @ 336'. Cemented with 190 sx cmt

Rod String: 48 – ¾" API D guided rods, 8 – 1 1/4" sinker bars, 114 – ¾" API D rods, 6' pony rod, 1 ¼" x 16' polished rod w/ 1 ½" x 8' polished rod liner.

Top	Depth
Ojo Alamo	3334'
Kirtland	3467'
Fruitland	3772'
Base of Coal	3942'

TIW liner hanger.
TOL @ 3217'

130 jts., 2 3/8", 4.7#, J-55 tbg. landed @ 4298' as follows: 26.56' mud anchor, 1.78" S-nipple @ 4271', 130 jts. (196' – ¼" chem. cap string strapped to outside of tbg.)

Damaged Liner @4350 ft: Crimped or slipped collar, estimated ID = 1.8"

Landed 115 jts 7", 23#, J-55, LT&C csg @ 4356' TMD. Float @ 4315'. Cemented with 855 sx cmt.

TD @ 5379' TMD

~41 ft. FISH @ 5300 ft: 30 ft. 1.75" CT plus 11 ft. BHA (2.875" CTC (1.03'), 2.875" RM Jar (5.98'), 2.875" MHA(dual flapper, Hyd. Disc, pump out sub), 3.87')), 2.875" jet nozzle)

Insert Pump: 2" x 1.25" RHAC-Z (Energy Pump) w 1" x 6' gas anchor.

Hole Size	Casing	Cement	Volume	Top of CMT
12-1/4"	9-5/8",36#	190 sx	266 cu.ft,	surface
8-3/4"	7", 23#	855 sx	1683 cu.ft.	surface
6-1/4"	4-1/2",11.6#	Did Not Cmt	N/A	N/A

Landed 51 jts 4-1/2", 11.6#, J-55 liner & 1 jt 4-1/2" 10.5#, J-55 liner @ 3217' - 5379' as follows: liner hanger, 1 jt 10.5# non-perfed csg, 51 jts perfed csg & guide shoe on bottom. Liner perfs are from 3262' to 5378' (0.50" dia, 24 shots/ft, 50,784 total holes). Did not cement

RML 11/01/2007

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RCVD NOV 2'06
OIL CONS. DIV.
DIST. 3

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-1 TULSA, OK 74101	2 OGRID Number 120782 3 Reason for Filing Code/ Effective Date NW

4 API Number	5 Pool Name	6 Pool Code
30 – 039-29782	BASIN FRUITLAND COAL	71629
7 Property Code	8 Property Name	9 Well Number
17033	ROSA UNIT	347A

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
F	11	31N	4W		2370'	NORTH	2595'	WEST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	11	31N	4W		~~1276'~~ 1286	NORTH	1284'	WEST	RIO ARRIBA

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD NOV 7'06
OIL CONS. DIV.
DIST. 3

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO.
NMSF-078888

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

2006 NOV 2 AM 11 51

7. UNIT AGREEMENT NAME

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF RESVR OTHER

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #347A

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.
30-039-29782 0151

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 2370' FNL & 2595' FWL
At top production interval reported below :
At total depth: ~~1276~~' FNL & 1284' FWL NW/4 NW/4 SEC 11-T31N-R04W
1286

10. FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA
SE/4 NW/4 SEC 11-31N-04W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	13. STATE
		RIO ARRIBA	NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
09/11/06	10/02/06	10/04/06	7018' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5378' MD / 3925				X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 3262' – 5378'

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN
NONE

27. WAS WELL CORED
YES

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" J-55	36#	336'	12-1/4"	190 SX - SURFACE	
7" J-55	23#	4356'	8-3/4"	855 SX – SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-1/2", 11.6#, J-55	3217'	5379'	0 SXS	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8", 4.7#, J-55	4341'	

31. PERFORATION RECORD (Interval, size, and number)
4-1/2", 11.6#, J-55 pre-perf'd liner. Top perf @ 3262', bottom perf @ 5378', 0.50" holes, 24 shots per ft.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
10/19/06	Flowing	Producing

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
10/19/06	3 hrs	¾"			26		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL – BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
5	45					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY: MARK LEFICH

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr Production Analyst DATE October 25, 2006

ACCEPTED FOR RECORD
NOV 03 2006
FARMINGTON FIELD OFFICE
BY TL Salyers

11/6

NMOCD

<u>The Rosa Unit #336A Fruitland Coal Well (non-commercial) is</u> located 1580 feet from the North Line and 915 feet from the West Line, Section 8, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on April 17, 2006, and completed in the Fruitland Coal formation on June 16, 2006. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 2960' to 3120'. This well has a 2 7/8" tubing string. On June 6, 2006, while producing with a CP of 300 psig, the well was tested and after flowing for three hours through a ¾" choke on the 2 7/8" tubing, the well gauged 336 MCFD.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 0% and is therefore determined non-commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III 4-15-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

```
117 CASE NONE
CASE NAME: COMM RU 336A FTC
120 01 2005 12 11 30 2005 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 2

          W.I.          OP. COST    OP. COST    ADV. TAX    MAJOR       PROD  DATE
          FRACTION      ($/W/MO)    ($/MO.)     (PCT)       PH. NAME    (MO/DY/YR)
          --------      --------    --------    --------    --------    ----------
210     1.00000000          .00     4200.00       1.000     GAS          6/19/2006

          PHASE         CUM PROD    REV. INT    PRICE       SEV. TAX    NO. OF      RATIO TO
          NAME          (MUNITS)    FRACTION    ($/UNIT)    (PCT)       WELLS       MAJOR PH
          --------      --------    --------    --------    --------    --------    --------
222       GAS               .000    .84600000      5.470       9.000         1.0
224       WATER             .000    .84600000       .000        .000          .0

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

305          MAN        WATER         GAS
310          FACT        1.000        1.000
314            0.         .000         .000
315            3.     3980.000    10303.000
316            3.     5040.000    16314.000
317            3.     2710.000     4751.000
318            3.     3840.000     6513.000
319            3.     4000.000     7398.000
320            2.      560.000     1005.000
321            2.         .000         .000
322            1.         .000      332.000

          PH. NAME   CURVE TP      DECLINE%    QI  RATE    QT  RATE       CUM. LIMIT         (M OR Y)        CALC VALUE
          --------   --------      --------    --------    --------    --------------------  --------   --------------------
410       GAS        EXP              4.937      52.528           X       3.000    IYRS         D
CALC      GAS        EXP     END=     4.937      52.528      45.126       6.133    YRS          D           99.979    MMCF
411       GAS        EXP             15.000    LAST               X      35.000    IYRS         D
CALC      GAS        EXP     END=    15.000      45.126        .153      41.133    YRS          D          200.984    MMCF
420       WATER      EXP              8.054      29.220           X      34.879    YRS          D
CALC      WATER      EXP     END=     8.054      29.220       1.797      36.345    YRS          D          139.334    M-UNITS

600 SERIES LINES:
-----------------
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 : CASE $ARR17_OP_POV_APR07
629 : CASE $AREA17
630 : EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 : SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 : SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 : SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 : SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 : WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 : MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 : DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 : EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 : CASE 100242 RIFUELER - RI FUELL BURDEN ALGORITHM
642 : SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 : SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 : AFE=WT2338 ACTUAL COST

        INV NAME          INV. POINT          (G OR N)     TANG-M$    INTANG-M$    LSEHLD-M$    RISK FRAC    OVHD FLAG
        --------     --------------------     --------     -------    ---------    ---------    ---------    ---------
802     DRLG           -2.000     MOS            G          43.064      244.029         .000
803 : AFE=WT2338 ACTUAL COST
803     COMP           -2.000     MOS            G         213.663      396.804         .000

850 NOLOSS = ON

ECONOMIC LIFE  (YRS):            6.000
GROSS GAS      (MMCF):         113.304
GROSS WATER     (MU):           55.349
```

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

AS OF NOVEMBER 30, 2005

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			----------OPERATIONS, M$----------			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-06	.000	27.263	.000	23.064	.00	6.06	1.0	.000	139.761	.000	139.761
12-07	.000	19.022	.000	16.092	.00	6.68	1.0	.000	107.448	.000	107.448
12-08	.000	16.601	.000	14.044	.00	6.68	1.0	.000	93.773	.000	93.773
12-09	.000	17.893	.000	15.137	.00	6.68	1.0	.000	101.071	.000	101.071
12-10	.000	17.009	.000	14.390	.00	6.68	1.0	.000	96.083	.000	96.083
12-11	.000	15.517	.000	13.127	.00	6.68	1.0	.000	87.650	.000	87.650
S TOT	.000	113.304	.000	95.854	.00	6.53	1.0	.000	625.786	.000	625.786
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	113.304	.000	95.854	.00	6.53	1.0	.000	625.786	.000	625.786

-END-	----------OPERATIONS, M$----------				----------CAPITAL COSTS, M$----------					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-06	12.578	1.272	49.449	76.462	256.727	640.833	.000	.000	-821.098	-799.468
12-07	9.070	.978	76.178	20.622	.000	.000	.000	.000	20.622	-781.217
12-08	8.440	.853	71.813	12.667	.000	.000	.000	.000	12.667	-770.837
12-09	9.096	.920	73.226	17.829	.000	.000	.000	.000	17.829	-757.309
12-10	8.647	.874	71.388	15.174	.000	.000	.000	.000	15.174	-746.648
12-11	7.889	.798	69.698	9.265	.000	.000	.000	.000	9.265	-740.621
S TOT	56.320	5.695	411.752	152.019	256.727	640.833	.000	.000	-745.541	-740.621
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	-740.621
TOTAL	56.320	5.695	411.752	152.019	256.727	640.833	.000	.000	-745.541	-740.621

DATE: 04/03/08
TIME: 11:24:08
FILE:
PROP: 4984
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R T A X E C O N O M I C S

AS OF NOVEMBER 30, 2005

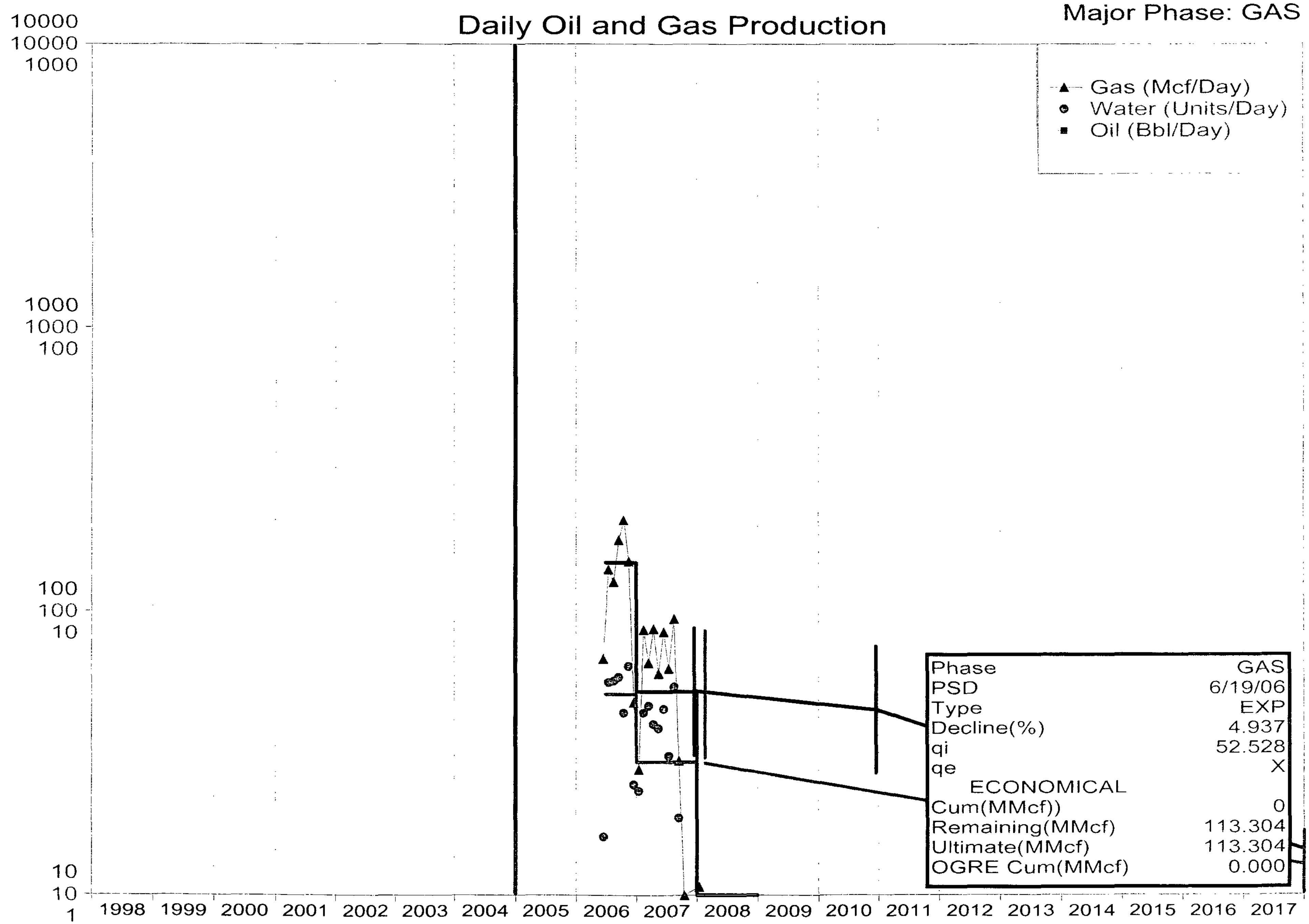
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-06	76.462	51.396	.000	640.833	.000	-615.767	.000	-240.149	-580.949	-574.010
12-07	20.622	58.666	.000	.000	.000	-38.044	.000	-14.837	35.459	-542.628
12-08	12.667	41.904	.000	.000	.000	-29.237	.000	-11.402	24.069	-522.905
12-09	17.829	34.920	.000	.000	.000	-17.091	.000	-6.665	24.494	-504.320
12-10	15.174	34.921	.000	.000	.000	-19.747	.000	-7.701	22.875	-488.249
12-11	9.265	34.920	.000	.000	.000	-25.655	.000	-10.005	19.270	-475.714
S TOT	152.019	256.727	.000	640.833	.000	-745.541	.000	-290.759	-454.782	-475.714
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	-475.714
TOTAL	152.019	256.727	.000	640.833	.000	-745.541	.000	-290.759	-454.782	-475.714

BTAX RATE OF RETURN (PCT)	.00	ATAX RATE OF RETURN (PCT)	.00
BTAX PAYOUT	LIFE	ATAX PAYOUT	LIFE
BTAX PAYOUT (DISC)	LIFE	ATAX PAYOUT (DISC)	LIFE
BTAX NET INCOME/INVEST	.17	ATAX NET INCOME/INVEST	.49
BTAX NET INCOME/INVEST (DISC)	.15	ATAX NET INCOME/INVEST (DISC)	.45
PRODUCTION START DATE	6/19/06	PROJECT LIFE (YEARS)	6.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	6.68
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	113.304
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	113.304
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	-745.541	-454.782
2.0	-744.711	-461.022
5.0	-742.928	-469.048
8.0	-740.621	-475.714
10.0	-738.851	-479.513
12.0	-736.927	-482.866
15.0	-733.801	-487.158
18.0	-730.444	-490.689
20.0	-728.109	-492.676
25.0	-722.010	-496.578
30.0	-715.670	-499.227
35.0	-709.204	-500.907
40.0	-702.695	-501.826
45.0	-696.203	-502.142
50.0	-689.771	-501.981
60.0	-677.186	-500.590
70.0	-665.081	-498.210
80.0	-653.512	-495.194
90.0	-642.496	-491.768
100.0	-632.021	-488.091

Property 4984
COMM RU 336A FTC
31 N - 5 W SEC 8 NW



ROSA UNIT #336A
BASIN FRUITLAND COAL

Spud 04/17/06

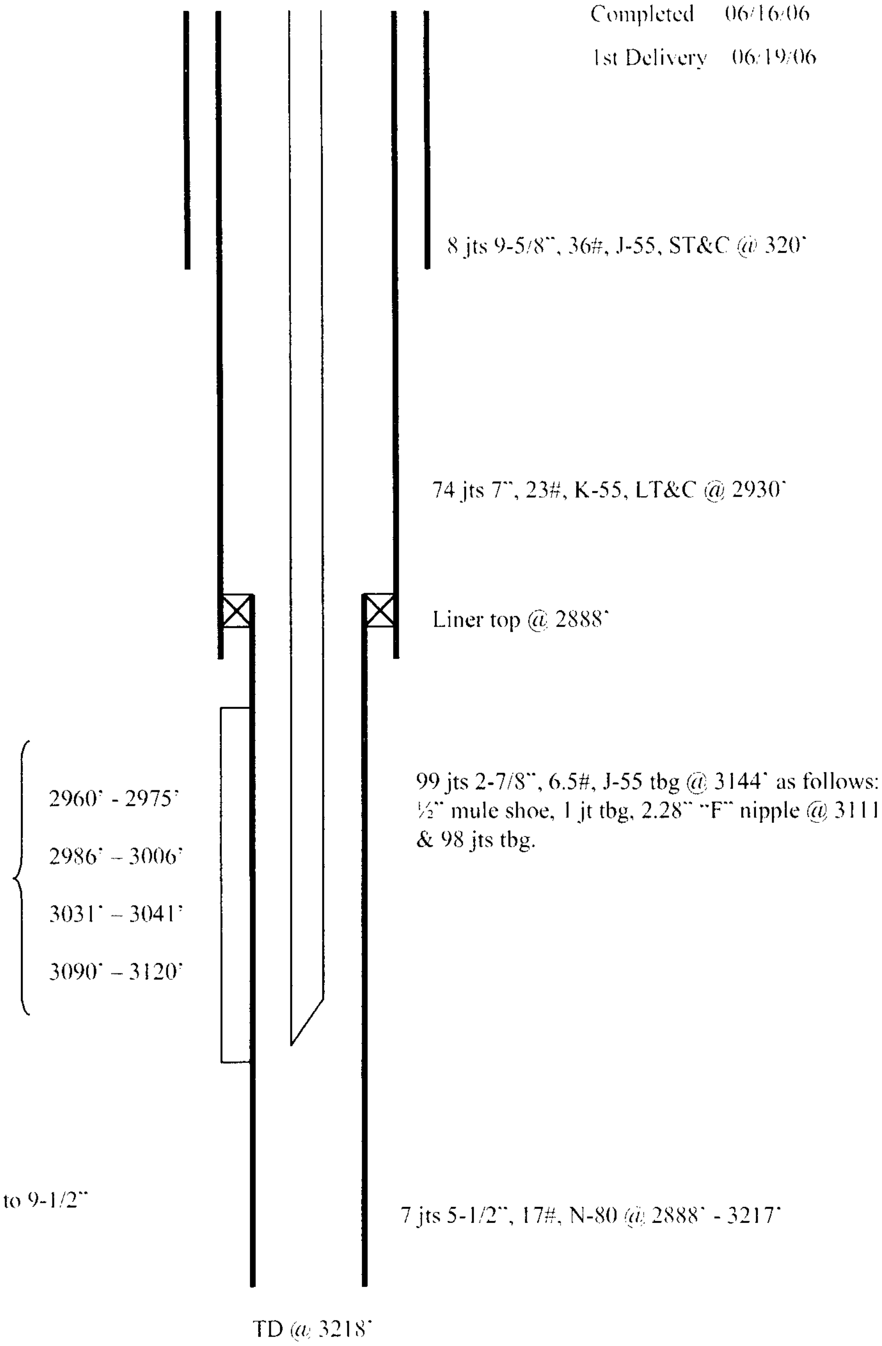
Completed 06/16/06

1st Delivery 06/19/06

Location:
1580' FNL and 915' FWL
SW/4 NW/4 Sec 08(E), T31N, R05W
Rio Arriba, New Mexico

Elevation: 6299' GR
API # 30-039-29511

Top	Depth
Ojo Alamo	2369'
Kirtland	2474'
Fruitland	2884'
Pictured Cliffs	3109'



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	190 sx	268 cu.ft.	Surface
8-3/4"	7", 23#	450 sx	910 cu.ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

TR 07-14-06

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised June 10, 2003

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] **Operator name and Address** **WILLIAMS PRODUCTION COMPANY** **P O BOX 3102, MS 25-2** **TULSA, OK 74101**	[2] **OGRID Number** **120782** [3] **Reason for Filing Code/ Effective Date** **NW**

[4] API Number	[5] Pool Name	[6] Pool Code
30 – 039-29511	**BASIN FRUITLAND COAL**	**71629**
[7] Property Code	**[8] Property Name**	**[9] Well Number**
17033	**ROSA UNIT**	**336A**

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	08	31N	05W		1580	NORTH	915	WEST	RIO ARRIBA

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	JUL 2006 RECEIVED OIL CONS. DIV. DIST. 3

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO.
NMSF-078767

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

2006 JUL 19 AM 6 20

RECEIVED
070 FARMINGTON NM

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF.RESVR. OTHER

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #336A

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.
30-039-29511

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1580' FNL & 915' FWL
At top production interval reported below :
At total depth:

JUL 2006
RECEIVED
OIL CONS. DIV.
DIST. 3

10. FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA
SW/4 NW/4 SEC 08-T31N-R05W

14. PERMIT NO. | DATE ISSUED

12. COUNTY OR RIO ARRIBA | 13. STATE NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*		19. ELEVATION CASINGHEAD	
04/17/06	05/18/06	06/16/06	6299' GR			
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3218' MD					x	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 2960' – 3120'

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN
NONE

27. WAS WELL CORED
NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" J-55	36#	320'	12-1/4"	190 SX - SURFACE	
7" K-55	23#	2930'	8-3/4"	450 SX – SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5 ½", N80, 17#	2888'	3217'	0 SX	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 ⅞", 6.5#, J55	3144'	

31. PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal: 2960' – 75', (60 holes), 2986' – 3006' (80 holes), 3031' – 41' (40 holes) & 3090' – 3120' (120 holes) for a total of 300, 0.49" perforations.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
06/19/06		Flowing				Producing	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
06/18/06		½"	3 hrs		42		
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
15	300						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TO BE SOLD

TEST WITNESSED BY: Mark Lepich

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE July 17, 2006

ACCEPTED FOR RECORD
JUL 20 2006
FARMINGTON FIELD OFFICE
SM

NMOCD
Q

The Rosa Unit #312A Fruitland Coal Well (non-commercial) is located 1273 feet from the North Line and 1967 feet from the West Line, Section 28 Township 31 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 13, 2006, and completed in the Fruitland Coal formation on September 26, 2006. The Fruitland Coal formation was completed open-hole between the following depths: 3741' to 3947'. This well has a 2 7/8" tubing string. This well was shut in with a SICP of 990 psig. On October 2, 2006 the well was tested and after flowing for three hours through a ¾" choke on the 2 7/8" tubing, the well gauged 1340 MCFD.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 0% and is therefore determined non-commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III 4-15-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

```
117 CASE NONE
CASE NAME: COMM EU 312A FTC
120 01 2005 12 11 30 2005 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	4200.00	1.000	GAS	10/04/2006

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

	MAN	WATER	GAS
305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	0.	.000	.000
315	3.	.000	192.000
316	3.	.000	728.000
317	3.	.000	597.000
318	3.	.000	489.000
319	3.	240.000	643.000
320	1.	.000	587.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.937	16.963	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.937	16.963	14.573	6.092	YRS	D	20.469	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	14.573	.049	41.092	YRS	D	53.086	MMCF
420	WATER	EXP		8.054	10.255	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	10.255	.613	36.637	YRS	D	42.151	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 : CASE $ARR17_OP_POV_APR07
629 : CASE $AREA17
630 : EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 : SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 : SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 : SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 : SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 : WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 : MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 : DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 : EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 : CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 : SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 : SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 : AFE=WT1145 ACTUAL COST
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	127.226	720.949	.000		
803 : AFE=WT1145 ACTUAL COST									
803	COMP	-2.000	MOS	G	347.583	645.512	.000		

850 NOLOSS = ON

```
ECONOMIC LIFE  (YRS):      -.900
GROSS GAS      (MMCF):      .000
GROSS WATER      (MU):      .000
```

DATE: 04/01/08
TIME: 10:43:47
FILE:
PROP: 4933
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF NOVEMBER 30, 2005

-END- MO-YR	----GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	-----NET PRODUCTION---- OIL, MBBL	GAS, MMCF	---PRICES--- OIL $/B	GAS $/M	NO. OF WELLS	---------------OPERATIONS, M$--------------- OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
REM.	.000	.000	.000	.000	.00	.00	.0	.000	.000	.000	.000
TOTAL	.000	.000	.000	.000	.00	.00	.0	.000	.000	.000	.000

-END- MO-YR	----------------OPERATIONS, M$---------------- SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	------------CAPITAL COSTS, M$------------ TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	8.00 PCT CUM. DISC BTAX, M$
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

DATE: 04/01/08
TIME: 10:43:47
FILE:
PROP: 4933
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

AFTER TAX ECONOMICS

AS OF NOVEMBER 30, 2005

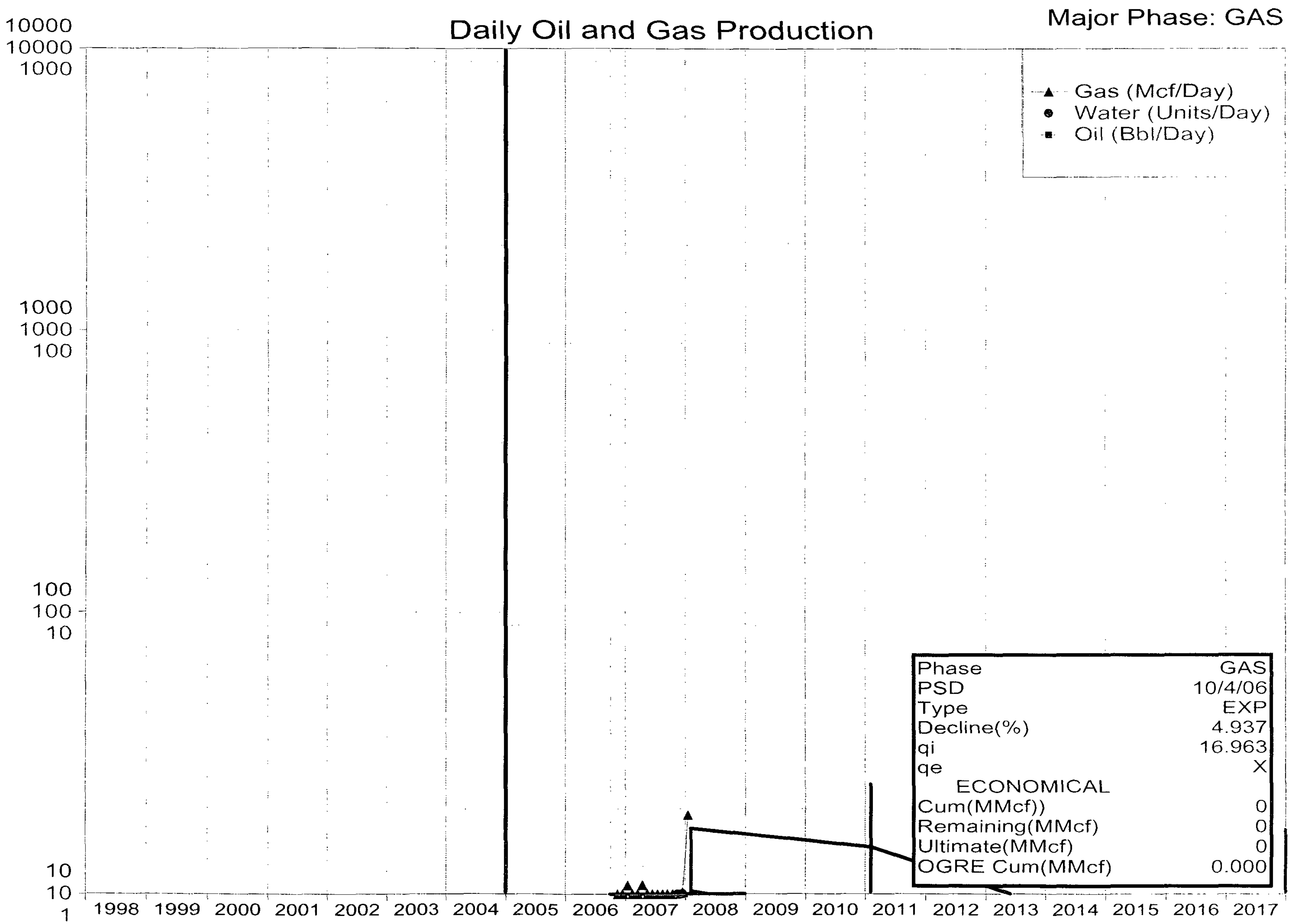
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BTAX RATE OF RETURN (PCT)	.00	ATAX RATE OF RETURN (PCT)	.00
BTAX PAYOUT	12/31/2005	ATAX PAYOUT	12/31/2005
BTAX PAYOUT (DISC)	12/31/2005	ATAX PAYOUT (DISC)	12/31/2005
BTAX NET INCOME/INVEST	.00	ATAX NET INCOME/INVEST	.00
BTAX NET INCOME/INVEST (DISC)	.00	ATAX NET INCOME/INVEST (DISC)	.00
PRODUCTION START DATE	10/04/06	PROJECT LIFE (YEARS)	-.50
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	.00
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	.000
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	.000
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	.000	.000
2.0	.000	.000
5.0	.000	.000
8.0	.000	.000
10.0	.000	.000
12.0	.000	.000
15.0	.000	.000
18.0	.000	.000
20.0	.000	.000
25.0	.000	.000
30.0	.000	.000
35.0	.000	.000
40.0	.000	.000
45.0	.000	.000
50.0	.000	.000
60.0	.000	.000
70.0	.000	.000
80.0	.000	.000
90.0	.000	.000
100.0	.000	.000

Property 4933
COMM RU 312A FTC
31 N - 4 W SEC 28 NW



ROSA UNIT #312A
BASIN FRUITLAND COAL

Spud: 07/31/06

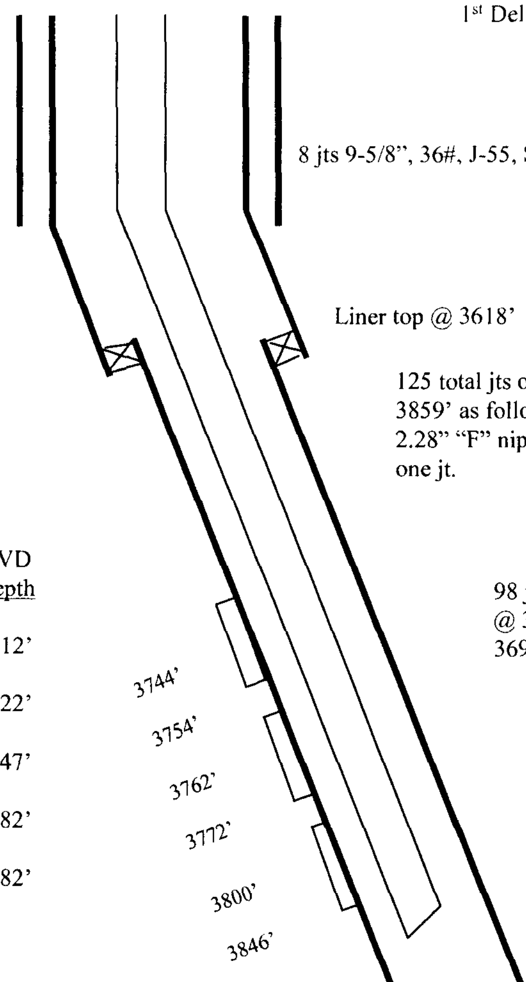
Completed: 09/26/06

1st Delivered: 10/04/06

<u>Surface Location:</u>
2060' FNL and 1050' FWL
SW/4 NW/4 Sec 28(E), T31N, R04W
Rio Arriba, NM

<u>Bottom Hole Location:</u>
1273' FNL and 1967' FWL
NE/4 NW/4 Sec 28(C), T31N, R04W
Rio Arriba, NM

Elevation: 6728' GR
API # 30-039-29908



8 jts 9-5/8", 36#, J-55, ST&C @ 338'.

Liner top @ 3618'

125 total jts of 2-7/8", 6.5#,J-55 tbg @ 3859' as follows: mule shoe, 1 jt tbg, 2.28" "F" nipple, 123 jts, 1 10' tbg sub, one jt.

98 jts 7", 23#, J-55, LT&C @ 3741'. Float collar @ 3699'.

Top	MD Depth	TVD Depth
Ojo Alamo	3273'	3012'
Kirtland	3386'	3122'
Fruitland	3613'	3347'
Base of Coal	3848'	3582'
Pictured Cliffs	3853'	3682'

Perf. Basin FC, w/3 1/8 HSC, .54 Dia. Holes,
GTM Charge 11, 4 shots P/F

TD @ 3947' MD

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	200 sxs	282 cu.ft.	Surface
8-3/4"	7", 23#	515 sxs	1047 cu.ft.	Surface

RML 04/15/08

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	State of New Mexico Energy, Minerals & Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-104 Reformatted July 20, 2001 Submit to Appropriate District Office 5 Copies ☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-1 TULSA, OK 74101		2 OGRID Number 120782 3 Reason for Filing Code/ Effective Date NW
4 API Number 30 – 039-29908	5 Pool Name BASIN FRUITLAND COAL	6 Pool Code 71629
7 Property Code 17033	8 Property Name ROSA UNIT	9 Well Number 312A

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	28	31N	4W		2060	NORTH	1050	WEST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	28	31N	4W		1273	NORTH	1967	WEST	RIO ARRIBA

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	OCT 2006

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO.: NMSF-078894
6. IF INDIAN,ALLOTTEE OR
7. UNIT AGREEMENT NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

2006 OCT 10 PM 2 10

b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF RESVR OTHER

2. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

RECEIVED
070 FARMINGTON NM

8. FARM OR LEASE NAME, WELL NO.: ROSA UNIT #312A

3. ADDRESS AND TELEPHONE NO.: P.O. BOX 3102 MS-25-1, TULSA, OK 74101 (918) 573-6254

9. API WELL NO.: 30-039-29908 0051

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 2060' FNL & 1050" FWL
At top production interval reported below :
At total depth: 1273' FNL & 1967' FWL

OCT 2006

10. FIELD AND POOL, OR WILDCAT: BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA: SW/4 NW/4 SEC 28-31N-04W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	13. STATE
		RIO ARRIBA	NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
07/31/06	08/30/06	09/26/06	6728' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
~~3947'~~ 3746 MD TVD 3485				x	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN: NONE

27. WAS WELL CORED: NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" J-55	36#	338'	12-1/4"	200 SX - SURFACE	23 bbls
7" J-55	23#	3741'	8-3/4"	515 SX – SURFACE	46 bbls

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8", 6.5#, J-55	3718'	

31. PERFORATION RECORD (Interval, size, and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
10/04/06	Flowing	Producing

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL.	GAS-OIL RATIO
10/02/06	3 hrs	3/4"			335		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
200	990			1340		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY: MARK LEPICH

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE October 6, 2006

ACCEPTED FOR RECORD
OCT 16 2006
FARMINGTON FIELD OFFICE
BY TL Salyers

NMOCD

The Rosa Unit #310A Fruitland Coal Well (non-commercial) is located 689 feet from the North Line and 1959 feet from the West Line, Section 26, Township 31 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 17, 2006, and completed in the Fruitland Coal formation on October 31, 2006. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 3940' to 4005'. This well has a 2 7/8" tubing string. On November 1, 2006 the well was tested, while producing with a CP of 45 psig, and after flowing for three hours through a ¾" choke on the 2 7/8" tubing string, the well gauged ~~208 MC~~ 210 FD.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 0% and is therefore determined non-commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III 4-15-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

117 CASE NONE
CASE NAME: COMM EU 310A FTC
120 01 2005 12 11 30 2005 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	4200.00	1.000	GAS	11/03/2006

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

	MAN	WATER	GAS
305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	0.	.000	.000
315	3.	.000	24.000
316	3.	.000	48.000
317	3.	60.000	1150.000
318	3.	.000	568.000
319	2.	80.000	381.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.937	14.033	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.937	14.033	12.055	6.005	YRS	D	16.427	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	12.055	.041	41.005	YRS	D	43.411	MMCF
420	WATER	EXP		8.054	10.355	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	10.355	.611	36.718	YRS	D	42.487	M-UNITS

600 SERIES LINES:

602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 : CASE $ARR17_OP_POV_APR07
629 : CASE $AREA17
630 : EST. GATHERING PER WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 : SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 : SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 : SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 : SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 : WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 : MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 : DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 : EST. FLU PER WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 : CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 : SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 : SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 : AFE=WT2402 ACTUAL COST

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	97.823	554.331	.000		
803 : AFE=WT2402 ACTUAL COST									
803	COMP	-2.000	MOS	G	421.490	782.767	.000		

850 NOLOSS = ON

ECONOMIC LIFE (YRS): -.900
GROSS GAS (MMCF): .000
GROSS WATER (MU): .000

DATE: 04/01/08
TIME: 10:50:14
FILE:
PROP: 4952
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF NOVEMBER 30, 2005

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			---OPERATIONS, M$---			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
REM.	.000	.000	.000	.000	.00	.00	.0	.000	.000	.000	.000
TOTAL	.000	.000	.000	.000	.00	.00	.0	.000	.000	.000	.000

-END-	---OPERATIONS, M$---				---CAPITAL COSTS, M$---					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

DATE: 04/01/08
TIME: 10:50:14
FILE:
PROP: 4952
STID: COMMSGB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF NOVEMBER 30, 2005

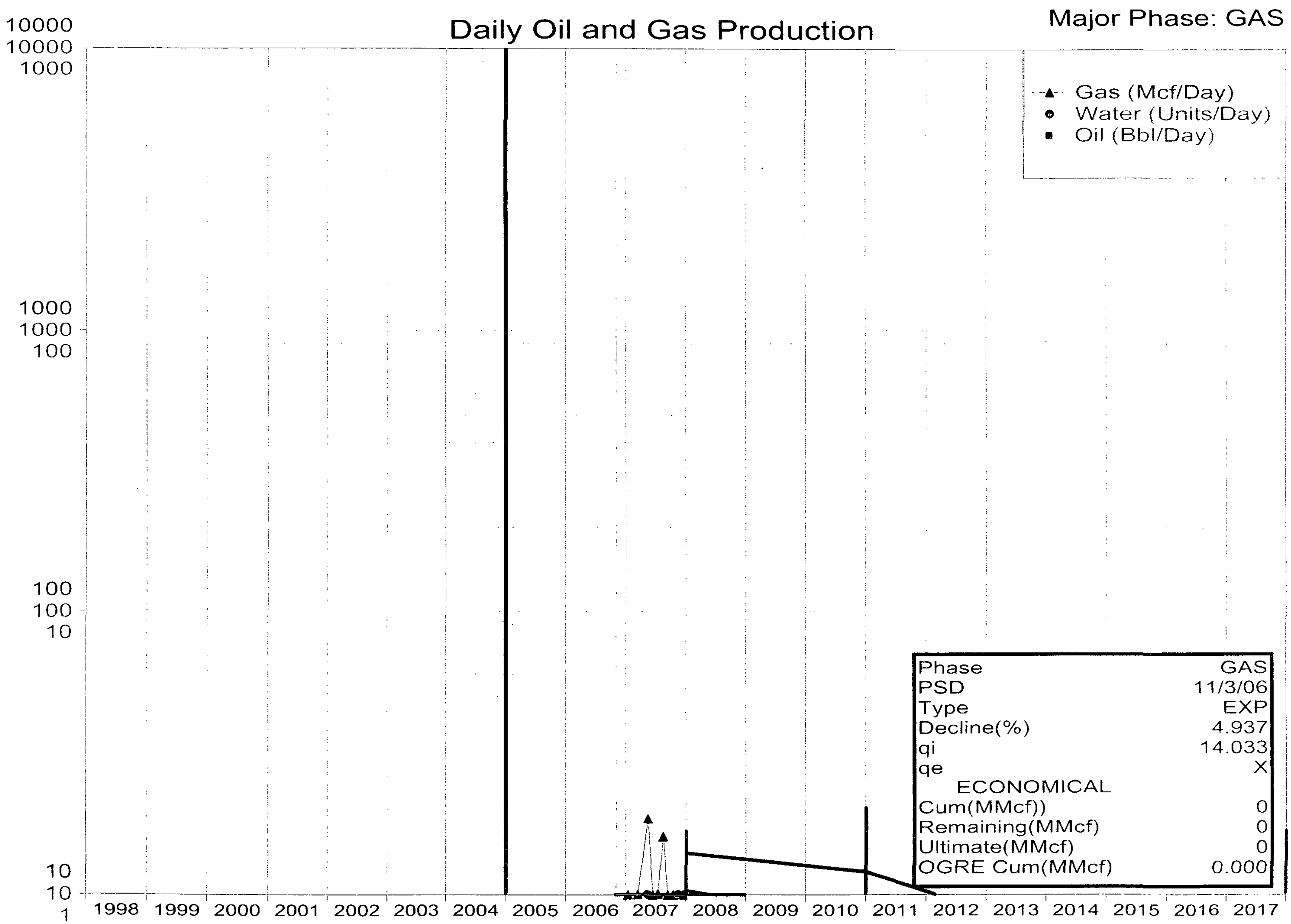
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BTAX RATE OF RETURN (PCT)	.00	ATAX RATE OF RETURN (PCT)	.00
BTAX PAYOUT	12/31/2005	ATAX PAYOUT	12/31/2005
BTAX PAYOUT (DISC)	12/31/2005	ATAX PAYOUT (DISC)	12/31/2005
BTAX NET INCOME/INVEST	.00	ATAX NET INCOME/INVEST	.00
BTAX NET INCOME/INVEST (DISC)	.00	ATAX NET INCOME/INVEST (DISC)	.00
PRODUCTION START DATE	11/03/06	PROJECT LIFE (YEARS)	-.90
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	.00
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	.000
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	.000
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	.000	.000
2.0	.000	.000
5.0	.000	.000
8.0	.000	.000
10.0	.000	.000
12.0	.000	.000
15.0	.000	.000
18.0	.000	.000
20.0	.000	.000
25.0	.000	.000
30.0	.000	.000
35.0	.000	.000
40.0	.000	.000
45.0	.000	.000
50.0	.000	.000
60.0	.000	.000
70.0	.000	.000
80.0	.000	.000
90.0	.000	.000
100.0	.000	.000

Property 4952
COMM RU 310A FTC
31 N - 4 W SEC 26 NENW



ROSA UNIT #310A
BASIN FRUITLAND COAL

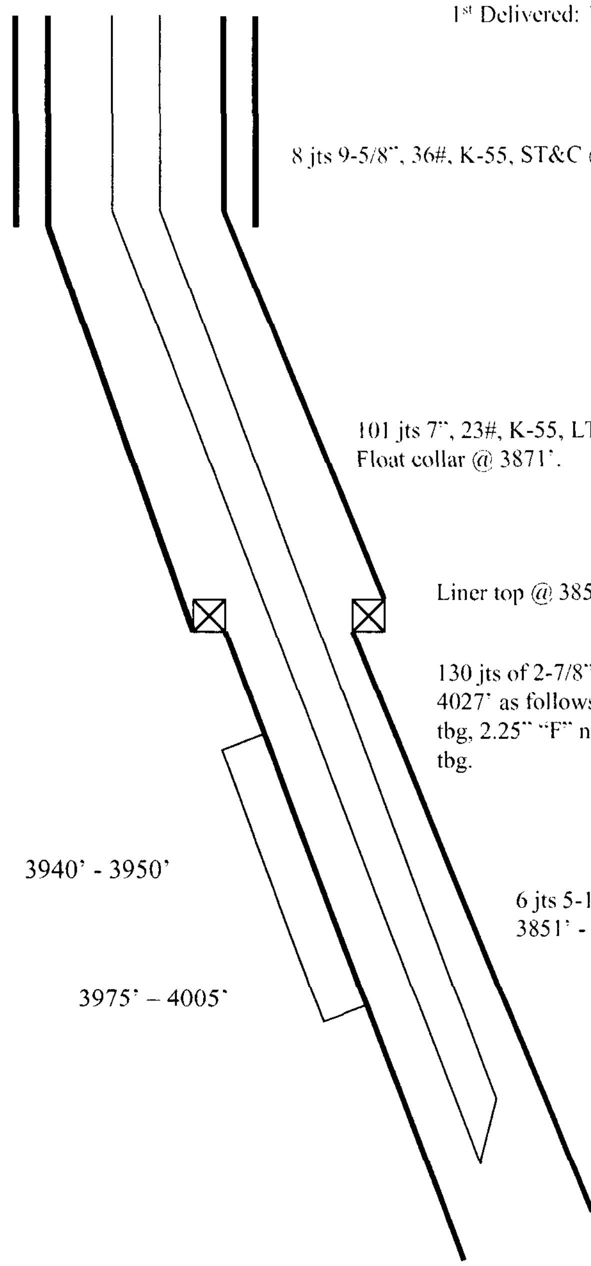
Surface Location:
1565' FNL and 2500' FWL
SE/4 NW/4 Sec 26(F), T31N, R04W
Rio Arriba, NM

Bottom Hole Location:
689' FNL and 1959' FWL
NE/4 NW/4 Sec 26(C), T31N, R04W
Rio Arriba, NM

Elevation: 6986' GR
API # 30-039-29779

Spud: 08/17/06
Completed: 10/31/06
1st Delivered: 11/03/06

Top	MD Depth
Fruitland	3936'
Pictured Cliffs	4001'



0.50", 4SPF
160 holes total

Open hole from 6-1/4" to 9-1/2"
from 3923' to 4100'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	190 sxs	268 cu.ft.	Surface
8-3/4"	7", 23#	590 sxs	1204 cu.ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

TR 05/08/07

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

RCVD FEB5'07
OIL CONS. DIV.
DIST. 3

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-1 TULSA, OK 74101		2 OGRID Number 120782 3 Reason for Filing Code/ Effective Date NW
4 API Number 30 – 039-29779	5 Pool Name BASIN FRUITLAND COAL	6 Pool Code 71629
7 Property Code 17033	8 Property Name ROSA UNIT	9 Well Number 310A

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
F	26	31N	4W		1565'	NORTH	2500'	WEST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	26	31N	4W		689'	NORTH	1959'	WEST	RIO ARRIBA

√

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

RCVD FEB 5 '07
OIL CONS. DIV.
DIST. 3

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND LEASE NO.: NMSF-078894
6. IF INDIAN, ALLOTTEE OR
7. UNIT AGREEMENT NAME

1a. TYPE OF WELL: OIL WELL / X GAS WELL / DRY / OTHER
b. TYPE OF COMPLETION: X NEW WELL / WORKOVER / DEEPEN / PLUG BACK / DIFF RESVR. / OTHER

2. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY
8. FARM OR LEASE NAME, WELL NO: ROSA UNIT #310A

3. ADDRESS AND TELEPHONE NO: P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254
9. API WELL NO.: 30-039-29779

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1565' FNL & 2500'' FWL
At top production interval reported below :
At total depth: 689' FNL & 1959' FWL

10. FIELD AND POOL, OR WILDCAT: BASIN FRUITLAND COAL
11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA: SE/4 NW/4 SEC 26-31N-04W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	13. STATE
		RIO ARRIBA	NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
08/17/06	09/30/06	10/31/06	6986' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3915 ~~4101~~' MD 3724 TVD				x	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
OH 3914 - 4001 per Tracy Ross
25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN: NONE
27. WAS WELL CORED: NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" K-55	36#	336'	12-1/4"	190 SX - SURFACE	
7" K-55	23#	3913'	8-3/4"	590 SX – SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8", 6.5#, J-55	3902'	

31. PERFORATION RECORD (Interval, size, and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
11/03/06	Flowing	Producing

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL	GAS-OIL RATIO
11/01/06	3 hrs	3/4"			26		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
5	45					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD
TEST WITNESSED BY: MARK LEPICH

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE February 2, 2007

8

The Rosa Unit # 258 Fruitland Coal Well (Non-Commercial from 6/1990 to 6/2006, Commercial from 6/2006) is located 790 feet from the South Line and 865 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 June 6, 1990, and completed in the Fruitland Coal formation on July 12, 1990. In July 2000, the well was recavitated in the open hole and a perforated liner (3252' to 3368') was hung off. In June 2006, the liner was pulled, the open hole section was cleaned out, and a beam pumping unit was installed. This well has a 2 7/8" tubing string. Upon original drilling and completion, the well IP'd at 1,100 Mcfd and had a SCIP of 1450 psig. Current flow rate on this well is between 400 and 500Mcfd.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 16.16% and is therefore determined commercial.

Attached to this document are the following:
* OGRE economic model output including gas price assumptions
* Historic production plot with forecast
* Well-bore schematic
* Well Completion or Recompletion Report and Log

Evaluating Engineer

Robert L. Goodwin III 3-25-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

OGRE(R) V2.2 BATAX　　　　　　　　　　　　D A T A　R E P O R T　　　　　　　　DATE: 03/25/08
FILE NAME: wpcp　(24426)　　　　　　　　　　　　　　　　　　　　　　　　　　　　TIME: 09:17:13
CASE NAME: COMM RU 258 FTC　　　-258　　　-90TH-RLG-　　　-SJB

101 ROSA UNIT # 258
102 FTC T31N-R5W-SEC. 22
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE NONE
120 01 1989 12 8 30 1990 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	4200.00	1.000	GAS	1/01/1991

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	0.	.000	.000
315	3.	4438.000	9138.000
316	3.	7946.000	11080.000
317	3.	8262.000	9638.000
318	3.	7216.000	13516.000
319	3.	4.000	3386.000
320	3.	9546.000	10130.000
321	3.	7776.000	7491.000
322	3.	10517.000	3644.000
323	3.	10561.000	3185.000
324	3.	9809.000	4031.000
325	3.	8923.000	3429.000
326	3.	9037.000	3565.000
327	3.	6536.000	4135.000
328	3.	11188.000	5697.000
329	3.	3988.000	1753.000
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	122.000
337	3.	3242.000	103.000
338	3.	960.000	176.000
339	3.	10960.000	398.000
340	3.	18720.000	7243.000
341	3.	13920.000	11283.000
342	3.	9920.000	10470.000
343	3.	8800.000	13934.000
344	3.	8720.000	48821.000
345	3.	86584.000	71283.000
346	3.	7000.000	45667.000
347	3.	6000.000	45872.000
348	3.	8000.000	53854.000
349	3.	7765.000	33184.000
350	3.	8130.000	29887.000
351	3.	6960.000	18176.000
352	3.	7120.000	10710.000
353	3.	6640.000	21442.000
354	3.	8560.000	37354.000
355	3.	7120.000	32068.110
356	3.	7280.000	46081.320
357	3.	7680.000	37824.240
358	3.	8000.000	30823.000
359	3.	1820.000	33787.000
360	3.	1760.000	26902.530
361	3.	7520.000	18055.000
362	3.	11600.000	21825.000
363	3.	8320.000	21040.000
364	3.	7160.000	20832.300
365	3.	7360.000	23026.230
366	3.	7040.000	22082.000
367	3.	6960.000	23630.000
368	3.	6640.000	24877.000
369	3.	6560.000	26763.000
370	3.	7760.000	24249.100
371	3.	7600.000	21755.000
372	3.	7280.000	24505.000
373	3.	6480.000	26597.000
374	3.	4720.000	25952.000
375	3.	6560.000	25256.000
376	3.	5440.000	22023.000
377	3.	7645.000	40573.000
378	3.	3760.000	38551.000
379	3.	7445.000	38526.000
380	3.	8720.000	37548.000
381	3.	7440.000	42625.000
382	3.	6640.000	40084.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.937	449.074	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.937	449.074	385.791	22.000	YRS	D	1827.868	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	385.791	1.306	57.000	YRS	D	2691.380	MMCF
420	WATER	EXP		8.054	75.695	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	75.695	16.868	36.879	YRS	D	789.769	M-UNITS

600 SERIES LINES:

```
-------------------
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 ! CASE $ARR17_OP_POV_APR07
629 ! CASE $AREA17
630 ! EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 ! SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 ! SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 ! SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 ! SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 ! WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 ! MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 ! DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 ! EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 ! CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 ! SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 ! SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 ! SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 ! SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 ! WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 ! MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 ! MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 ! CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 ! ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
670 DATA OPCOST : 1000 UNTIL 12 1999 : 2200 UNTIL 12 2005
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
805 ! ORIGINAL D&C COST
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
805	INVEST	1990.500	AD	G	123.414	162.179	.000		
806 ! RECAVITATION									
806	INVEST	2000.550	AD	G	62.251	174.081	.000		
807 ! CLEAN OUT AND PUMP INSTALL									
807	INVEST	2006.250	AD	G	88.632	107.358	.000		

```
850 NOLOSS = ON

ECONOMIC LIFE  (YRS):       37.000
GROSS GAS     (MMCF):     2629.979
GROSS WATER     (MU):      789.769
```

ROSA UNIT # 258
FTC T31N-R5W-SEC. 22
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/25/08
TIME: 09:17:13
FILE: wpcp
PROP: 24426
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF AUGUST 30, 1990

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			---OPERATIONS, M$---			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-90	.000	.000	.000	.000	.00	1.59	.0	.000	.000	.000	.000
12-91	.000	43.372	.000	36.693	.00	1.20	1.0	.000	43.912	.000	43.912
12-92	.000	24.651	.000	20.855	.00	1.57	1.0	.000	32.683	.000	32.683
12-93	.000	14.210	.000	12.022	.00	1.80	1.0	.000	21.581	.000	21.581
12-94	.000	11.585	.000	9.801	.00	1.55	1.0	.000	15.174	.000	15.174
12-95	.000	.000	.000	.000	.00	1.12	1.0	.000	.000	.000	.000
12-96	.000	.401	.000	.339	.00	1.32	1.0	.000	.448	.000	.448
12-97	.000	29.394	.000	24.867	.00	1.58	1.0	.000	39.207	.000	39.207
12-98	.000	179.703	.000	152.029	.00	2.20	1.0	.000	335.001	.000	335.001
12-99	.000	162.798	.000	137.727	.00	1.77	1.0	.000	243.312	.000	243.312
12-00	.000	87.681	.000	74.178	.00	1.96	1.0	.000	145.136	.000	145.136
12-01	.000	146.797	.000	124.190	.00	3.35	1.0	.000	416.383	.000	416.383
12-02	.000	100.570	.000	85.082	.00	3.32	1.0	.000	282.838	.000	282.838
12-03	.000	86.980	.000	73.585	.00	4.39	1.0	.000	322.896	.000	322.896
12-04	.000	99.519	.000	84.193	.00	5.61	1.0	.000	472.602	.000	472.602
12-05	.000	98.809	.000	83.592	.00	7.85	1.0	.000	656.602	.000	656.602
12-06	.000	126.403	.000	106.937	.00	6.06	1.0	.000	648.008	.000	648.008
12-07	.000	158.783	.000	134.330	.00	6.68	1.0	.000	896.933	.000	896.933
12-08	.000	159.831	.000	135.217	.00	6.68	1.0	.000	902.856	.000	902.856
12-09	.000	151.941	.000	128.542	.00	6.68	1.0	.000	858.286	.000	858.286
12-10	.000	144.440	.000	122.196	.00	6.68	1.0	.000	815.913	.000	815.913
12-11	.000	129.967	.000	109.952	.00	6.68	1.0	.000	734.159	.000	734.159
12-12	.000	110.471	.000	93.458	.00	6.68	1.0	.000	624.027	.000	624.027
12-13	.000	93.901	.000	79.440	.00	6.68	1.0	.000	530.428	.000	530.428
12-14	.000	79.816	.000	67.524	.00	6.68	1.0	.000	450.864	.000	450.864
S TOT	.000	2242.023	.000	1896.749	.00	5.00	1.0	.000	9489.249	.000	9489.249
REM.	.000	387.956	.000	328.210	.00	6.68	1.0	.000	2191.485	.000	2191.485
TOTAL	.000	2629.979	.000	2224.959	.00	5.25	1.0	.000	11680.734	.000	11680.734

-END-	---OPERATIONS, M$---				---CAPITAL COSTS, M$---					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-90	.000	.000	.000	.000	123.414	162.179	.000	.000	-285.593	-289.193
12-91	3.952	.400	78.869	-39.309	.000	.000	.000	.000	-39.309	-326.049
12-92	2.941	.297	78.821	-49.376	.000	.000	.000	.000	-49.376	-368.915
12-93	1.942	.196	103.994	-84.551	.000	.000	.000	.000	-84.551	-436.880
12-94	1.366	.138	64.109	-50.439	.000	.000	.000	.000	-50.439	-474.422
12-95	.000	.000	12.000	-12.000	.000	.000	.000	.000	-12.000	-482.692
12-96	.040	.004	22.085	-21.681	.000	.000	.000	.000	-21.681	-496.527
12-97	3.529	.357	140.448	-105.127	.000	.000	.000	.000	-105.127	-558.641
12-98	30.150	3.049	278.650	23.152	.000	.000	.000	.000	23.152	-545.975
12-99	21.898	2.214	83.748	135.452	.000	.000	.000	.000	135.452	-477.361
12-00	13.062	1.321	96.672	34.081	62.251	174.081	.000	.000	-202.251	-571.798
12-01	37.474	3.789	98.592	276.528	.000	.000	.000	.000	276.528	-451.705
12-02	25.455	2.574	80.878	173.931	.000	.000	.000	.000	173.931	-381.764
12-03	29.061	2.938	98.112	192.785	.000	.000	.000	.000	192.785	-309.984
12-04	42.534	4.301	93.408	332.359	.000	.000	.000	.000	332.359	-195.402
12-05	59.094	5.975	88.992	502.541	.000	.000	.000	.000	502.541	-34.983
12-06	58.321	5.897	106.574	477.216	88.632	107.358	.000	.000	281.226	47.014
12-07	80.724	8.162	122.988	685.059	.000	.000	.000	.000	685.059	234.498
12-08	81.257	8.216	114.000	699.383	.000	.000	.000	.000	699.383	411.724
12-09	77.246	7.810	108.878	664.352	.000	.000	.000	.000	664.352	567.603
12-10	73.432	7.425	104.170	630.886	.000	.000	.000	.000	630.886	704.665
12-11	66.074	6.681	99.838	561.566	.000	.000	.000	.000	561.566	817.630
12-12	56.162	5.679	95.856	466.330	.000	.000	.000	.000	466.330	904.488
12-13	47.739	4.827	92.196	385.666	.000	.000	.000	.000	385.666	971.001
12-14	40.578	4.103	88.829	317.354	.000	.000	.000	.000	317.354	1021.678
S TOT	854.031	86.353	2352.707	6196.158	274.297	443.618	.000	.000	5478.243	1021.678
REM.	197.235	19.942	867.540	1106.768	.000	.000	.000	.000	1106.768	1158.153
TOTAL	1051.266	106.295	3220.247	7302.926	274.297	443.618	.000	.000	6585.011	1158.153

ROSA UNIT # 258
FTC T31N-R5W-SEC. 22
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/25/08
TIME: 09:17:13
FILE: wpcp
PROP: 24426
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

AFTER TAX ECONOMICS

AS OF AUGUST 30, 1990

-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-90	.000	17.631	.000	162.179	.000	-179.810	.000	-70.126	-215.467	-218.183
12-91	-39.309	30.223	.000	.000	.000	-69.532	.000	-27.117	-12.192	-229.614
12-92	-49.376	21.589	.000	.000	.000	-70.965	.000	-27.676	-21.700	-248.453
12-93	-84.551	15.420	.000	.000	.000	-99.971	.000	-38.989	-45.562	-285.078
12-94	-50.439	11.015	.000	.000	.000	-61.454	.000	-23.967	-26.472	-304.781
12-95	-12.000	11.014	.000	.000	.000	-23.014	.000	-8.975	-3.025	-306.866
12-96	-21.681	11.015	.000	.000	.000	-32.696	.000	-12.751	-8.930	-312.564
12-97	-105.127	5.507	.000	.000	.000	-110.634	.000	-43.147	-61.980	-349.185
12-98	23.152	.000	.000	.000	.000	23.152	.000	9.029	14.123	-341.459
12-99	135.452	.000	.000	.000	.000	135.452	.000	52.826	82.626	-299.604
12-00	34.081	8.004	.000	174.081	.000	-148.004	.000	-57.722	-144.529	-366.967
12-01	276.528	15.499	.000	.000	.000	261.029	.000	101.801	174.727	-291.085
12-02	173.931	11.071	.000	.000	.000	162.860	.000	63.515	110.416	-246.685
12-03	192.785	7.908	.000	.000	.000	184.877	.000	72.102	120.683	-201.751
12-04	332.359	5.648	.000	.000	.000	326.711	.000	127.417	204.942	-131.097
12-05	502.541	5.538	.000	.000	.000	497.003	.000	193.831	308.710	-32.552
12-06	477.216	24.530	.000	107.358	.000	345.328	.000	134.678	146.548	9.638
12-07	685.059	22.943	.000	.000	.000	662.116	.000	258.225	426.834	126.452
12-08	699.383	14.212	.000	.000	.000	685.171	.000	267.217	432.166	235.965
12-09	664.352	10.151	.000	.000	.000	654.201	.000	255.138	409.214	331.980
12-10	630.886	7.809	.000	.000	.000	623.077	.000	243.000	387.886	416.249
12-11	561.566	7.809	.000	.000	.000	553.757	.000	215.965	345.601	485.770
12-12	466.330	7.809	.000	.000	.000	458.521	.000	178.823	287.507	539.321
12-13	385.666	1.952	.000	.000	.000	383.714	.000	149.648	236.018	580.025
12-14	317.354	.000	.000	.000	.000	317.354	.000	123.768	193.586	610.938
S TOT	6196.158	274.297	.000	443.618	.000	5478.243	.000	2136.513	3341.730	610.938
REM.	1106.768	.000	.000	.000	.000	1106.768	.000	431.640	675.128	694.189
TOTAL	7302.926	274.297	.000	443.618	.000	6585.011	.000	2568.153	4016.858	694.189

				----PRESENT WORTH PROFILE-----		
BTAX RATE OF RETURN (PCT)	16.16	ATAX RATE OF RETURN (PCT)	15.71	DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
BTAX PAYOUT	09/26/2004	ATAX PAYOUT	02/04/2005			
BTAX PAYOUT (DISC)	08/31/2006	ATAX PAYOUT (DISC)	11/27/2006			
BTAX NET INCOME/INVEST	10.17	ATAX NET INCOME/INVEST	6.60	.0	6585.011	4016.858
BTAX NET INCOME/INVEST (DISC)	3.53	ATAX NET INCOME/INVEST (DISC)	2.51	2.0	4315.151	2627.485
				5.0	2278.006	1380.241
PRODUCTION START DATE	1/01/91	PROJECT LIFE (YEARS)	37.00	8.0	1158.153	694.189
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00	10.0	698.023	412.037
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000	12.0	379.393	216.440
		PRIOR DEPR. BASIS (M$)	.000	15.0	71.070	26.779
				18.0	-112.773	-86.745
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85	20.0	-192.913	-136.476
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00	25.0	-308.496	-208.920
				30.0	-359.827	-241.972
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000	35.0	-382.082	-257.122
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	2629.979	40.0	-390.779	-263.858
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	2629.979	45.0	-393.055	-266.552
				50.0	-392.334	-267.305
				60.0	-387.745	-266.597
				70.0	-382.601	-265.223
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000	80.0	-378.204	-264.068
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000	90.0	-374.751	-263.286
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000	100.0	-372.140	-262.864

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: SF-078770
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME: Rosa Unit
8. FARM OR LEASE NAME: Rosa Unit
9. WELL NO.: 258
10. FIELD AND POOL, OR WILDCAT: Basin Fruitland Coal
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec.22,T-31-N,R-5-W NMPM

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR
Meridian Oil Inc.

3. ADDRESS OF OPERATOR
PO Box 4289, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 780'S, 865'W
At top prod. interval reported below
At total depth

14. PERMIT NO.: 30-039-
DATE ISSUED:
12. COUNTY OR PARISH: Rio Arriba
13. STATE: NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
06-06-90	07-07-90	07-12-90	6350'GL	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3374'		1	→	Yes	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Fruitland Coal - uncemented Liner

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN
none

27. WAS WELL CORED: no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36.0#	309'	12 1/4"	283 cu.ft.	
7 "	23.0#	3240'	8 3/4"	992 cu.ft.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5 1/2	3204	3373	did not cmt	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	3367'	

31. PERFORATION RECORD (Interval, size and number)
3296-3370' (predrilled liner)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
Shut-in waiting on pipeline connection, capable of commercial hydrocarbon prod.		

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→		1.1 MMCF=pitot gge		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
SI 1450	SI 1450	→				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
To be sold BHP @ 3360' 1576

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
none

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Regulatory Affairs DATE 8-7-90

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for ...

In Lieu of
Form 3160
(June 1990)

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well Oil Well X Gas Well Other	5. Lease Designation and Serial No. SF-078770
2. Name of Operator WILLIAMS PRODUCTION COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 573-6254	7. If Unit or CA, Agreement Designation ROSA UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 790' FSL and 865' FWL SW/4 SW/4 SEC 22-31N-05W	8. Well Name and No. ROSA UNIT #258
	9. API Well No. 30-039-24646
	10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
	11. County or Parish, State RIO ARRIBA, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
X Subsequent Report	Recompletion	New Construction
Final Abandonment	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
	Altering Casing	Conversion to Injection
	Other Cavitation Complete	Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

07-07-2000 MIRU, blow well down. NDWH, NUBOP stack & HCRs. NU blooie lines, pres test BOPs. Pooh laying down w/107 jts 2 3/8" tbg. Tally in w/ret tool, 10 4 ¾" DC's & 95 jts 3 ½" DP. Screw into hanger @ 3204' & work free. TOOH w/4 jts 5 ½" liner, LD same. CO to run 3 ½" DP. TIH w/Baker underreamer. RU power swivel

07-08-2000 RU power swivel. Break circ w/20 bph air/soap mist. Underream f/3250'- 3374'. Circ clean. TOOH w/UR, LD same. TIH w/6 ¼" bit & tag 3' of fill. CO to TD. Blow w/air only, PU bit to 3230'. 4 hr natural si = 400 psi. Tag 1' fill & CO. Blow well w/air only, bucket test = 21.5 bph, PU bit to 3230'. Break over w/air only @ 780 psi, ret's gas/air mist w/trace coal. Surge f/3230'(energized) to 700 psi, lt ret's

07-09-2000 Flow natural. Surge f/3230' (3 times) w/air only to 400 psi, pump 5 bph air/soap mist to 700 psi, lt ret's = gas/air mist w/trace coal. Natural surge, 2 hr si = 360 psi, ret's gas mist. Surge f/3230' (3 times) same as above w/same results. Natural surge, 2 hr si = 385 psi, ret's gas mist. Surge f/3230' (2 times) same as before w/same results

Continued on back

14. I hereby certify that the foregoing is true and correct

Signed Tracy Ross
TRACY ROSS

Title Production Analyst Date July 31, 2000

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by ____________ Title ____________ AUG 1 4 2000

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR

In Lieu of
Form 3160
(June 1990)

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

2006 NOV 2 PM 11 52

SUBMIT IN TRIPLICATE

1.	Type of Well Oil Well X Gas Well Other	5.	Lease Designation and Serial No. SF-078770
		6.	If Indian, Allottee or Tribe Name
		7.	If Unit or CA, Agreement Designation ROSA UNIT
		8.	Well Name and No. ROSA UNIT #258
2.	Name of Operator WILLIAMS PRODUCTION COMPANY	9.	API Well No. 30-039-24646
3.	Address and Telephone No. PO BOX 3102 MS 25-2, TULSA, OK 74101 (918) 573-6254	10.	Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
4.	Location of Well (Footage, Sec., T., R., M., or Survey Description) 790' FSL & 865' FWL, SW/4 SW/4 SEC 22-T31N-R05W	11.	County or Parish, State RIO ARRIBA, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
X Subsequent Report	Recompletion	New Construction
Final Abandonment	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
	Altering Casing	Conversion to Injection
	Other CO, RIH w/ liner, tbg, rods & pump, RTP	Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

05-12-2006 MIRU, bled dwn & kill w/ form wtr. ND w/ xmas tree. NU BOP, mud cross, BOP, tbg head, HCR valves & blooie line. Install work platform. Unland tbg & remove tbg hgr. TOH w/ tbg, tag fill at 3360' = 7' fill. NU air pack and broke circ with 10 bph air/soap/corrosion inhibitor. Disp 10 bbls form water w/ air. Circulated coffee ground size coal from 3360' to PBTD @ 3367'. Circ clean and made soap sweeps. ND air pack. Singled down with 300' 2 ⅜" tbg, SDFN.

05-13-2006 Bled down and killed w/ formation water. TOOH w/ 2 ⅜" tbg. Load out, sent to Tubascope to be inspected. MIRU, set pipe racks and V-Door. MI and off loaded 2 ⅞" DP & 12 3 ½" DC's. Cleaned out rig pit and did pump repairs. Installed safety devices on rig. MI, NU w/ 2nd air compressor and booster. SDFN.

05-15-2006 Bled & kill w/ form wtr. TOOH w/ TIW liner setting and pulling tool on 2 ⅞" American full hole DP. NU 4 line string up and dead line weigh indicator. Worked liner at 100,000# - unable to get moving. Closed well in and put in static position. Worked liner and got moving. TOOH w/ DP. MIRU San Juan csg service. TOOH, singled down with 5 ½", 17# liner. Recovered 5 jts in poor shape. ND WSI and San Juan csg service. SDFN.

Continued on Back

14. I hereby certify that the foregoing is true and correct

Signed Tracy Ross Title Sr. Production Analyst Date October 26, 2006
Tracy Ross

(This space for Federal or State office use)

Approved by ____________ Title ____________ Date ____________

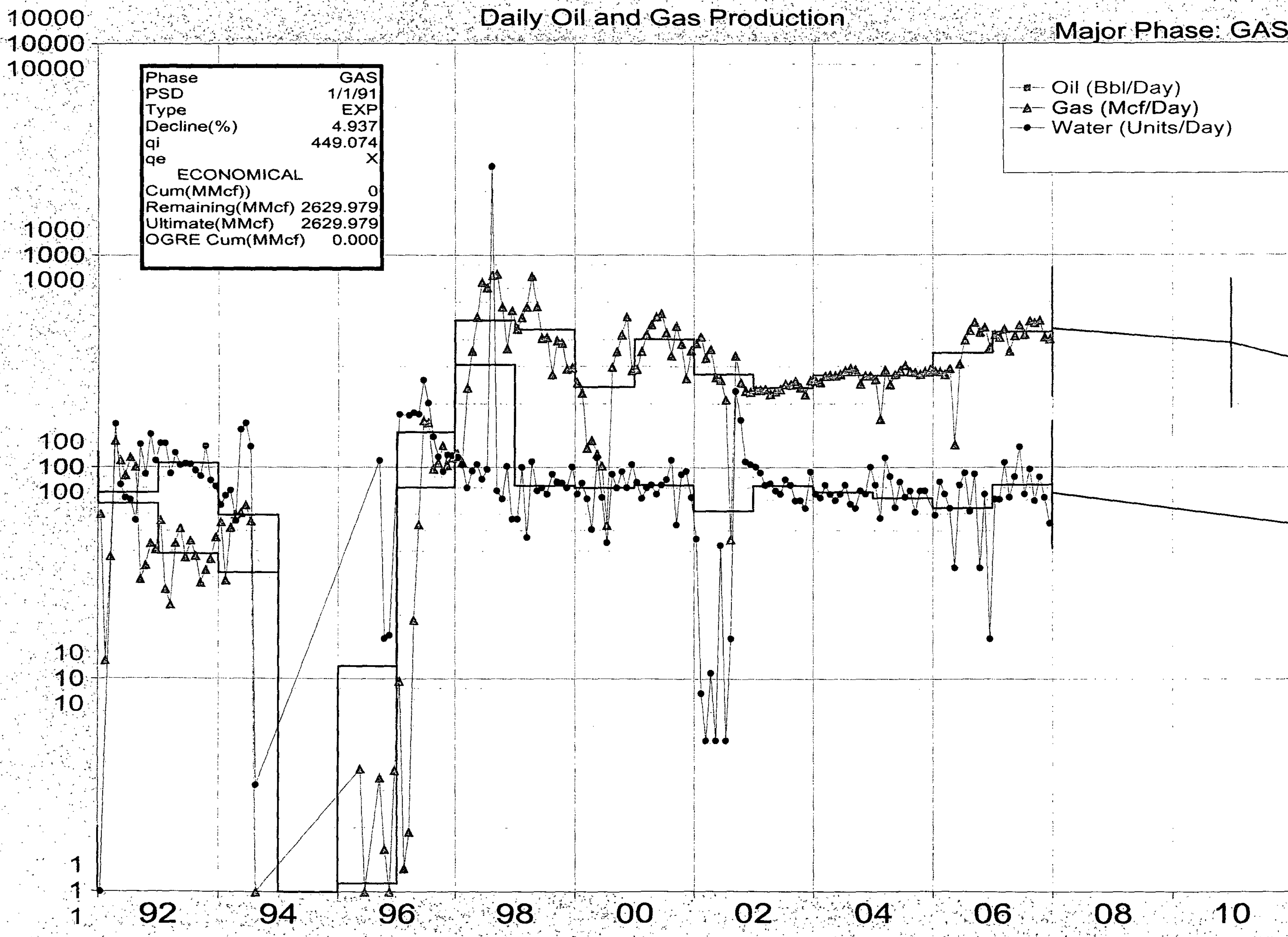
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ACCEPTED FOR RECORD
NOV 03 2006
FARMINGTON FIELD OFFICE

OPERATOR

Property 24426
ROSA UNIT # 258



ROSA UNIT #258
FRUITLAND COAL

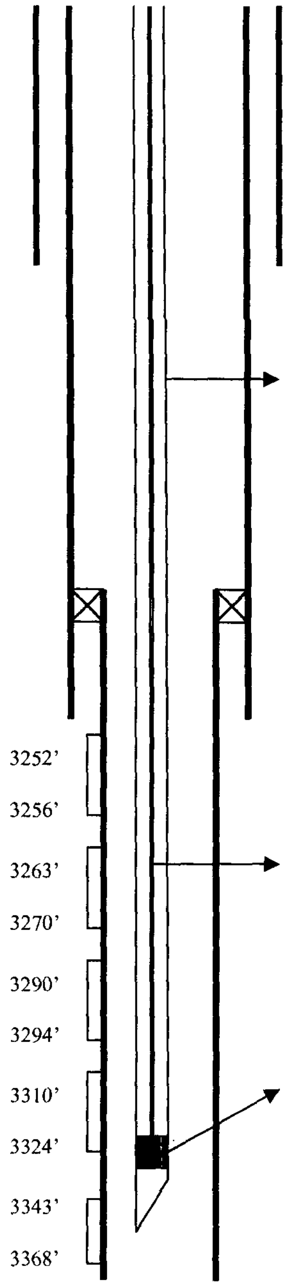
Pumping Unit
Lufkin 160D-165-100

Location:
790' FSL and 865' FWL
SW/4 SW/4 Sec 22(M), T31N, R05W
Rio Arriba, NM

Elevation: 6521' GR
API: 30-039-24646

Spud:	06/06/90
Completed:	07/12/90
1st Delivery:	01/22/91
Cavitate:	07/07/00
Pump Install:	06/02/06

Top	Depth
Ojo Alamo	2670'
Kirtland	2747'
Fruitland	3220'



7 jts 9-5/8", 36#, K-55, 8rd, ST&C @ 309'

105 jts, 2-7/8", 6.5#, J-55 tbg @ 3367' as follows: 30' ss screened gas anchor, 2.28" "F" nipple @ 3335', 104 jts tbg, 2' pup jt & 1 jt tbg. (1/4" stainless steel cap. string strapped to outside of tbg.)

TIW 7" x 5-1/2" H Latch liner hgr @ 3105'

77 jts 7", 23#, K-55, 8rd, ST&C @ 3240', insert float @ 3197'

Rod String: 3-1.25" sinker bars, 129 – ¾" Sucker Rods, 2', 4', 8' Pony Rods, 1 1/4" x 22' Polished Rod & 1 ½" x 10' PRL.

Perforations: 4 spf, 212 holes @ 0.50" EHD

Insert Pump: 2 ½" x 1 ½" x 8' x 10' x 13' (Energy Pump) RHACZ w/ 1" x 6'Gas Anchor.

Open hole from 6 ¼" to 9 ½" from 3250'-3374'

6 jts 5-1/2", 17.0#, N-80, ST&C Liner w/LA shoe landed @ 3105' - 3369'

PBTD @ 3369'
TD @ 3374'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	240 sxs	283 cu. ft.	Surface
8-3/4"	7", 23#	535 sxs	992 cu. ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt	N/A	N/A

RML 03/22/07

<u>The Rosa Unit #389A Fruitland Coal Well (non-commercial) is</u> located 1018 feet from the North Line and 1074 feet from the West Line, Section 7, Township 31 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on October 5, 2006, and completed in the Fruitland Coal formation on November 9, 2006; a sucker rod pump was also installed in the well on November 9, 2006. This is a horizontal well. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 2750' to 5160'. This well has a 2 3/8" tubing string. On November 18, 2006 the well was tested, while producing with a CP of 32 psig, and after flowing for three hours through a ¾" choke on the 2 3/8" tubing string, the well gauged ~~208~~ 216 MCFD.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 0% and is therefore determined non-commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

4-15-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

OGRE(R) V2.2 BATAX — D A T A R E P O R T — DATE: 04/01/08

FILE NAME: (4969) — TIME: 10:52:17

117 CASE NONE
CASE NAME: COMM RU 389A FTC
120 01 2005 12 11 30 2005 8 2
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 7 0 0 0 0
134 FLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET EPTERM = 2

	W.I. FRACTION	OP. COST ($ K/MO)	OP. COST ($/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	4200.00	1.000	GAS	11/20/2006

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	0.	.000	.000
315	3.	.000	3871.000
316	3.	.000	3839.000
317	3.	960.000	1481.000
318	3.	640.000	1083.000
319	3.	160.000	215.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.937	23.340	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.937	23.340	20.051	6.135	YRS	D	34.200	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	20.051	.068	41.135	YRS	D	79.080	MMCF
420	WATER	EXP		8.054	13.165	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	13.165	.782	36.764	YRS	D	55.588	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 : CASE $ARR17_OP_POV_APR07
629 : CASE $AREA17
630 : EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 : SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 : SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 : SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 : SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 : WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 : MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 : DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 : EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 : CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 : SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 : SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 : AFE=WT2399 ACTUAL COST
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	178.824	1013.335	.000		
803 : AFE=WT2399 ACTUAL COST									
803	COMP	-2.000	MOS	G	188.456	349.989	.000		

850 NOLOSS = ON

ECONOMIC LIFE (YRS):	1.000
GROSS GAS (MMCF):	1.774
GROSS WATER (MU):	.000

DATE: 04/01/08
TIME: 10:52:17
FILE:
PROP: 4969
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

AS OF NOVEMBER 30, 2005

	GROSS PRODUCTION		NET PRODUCTION		PRICES			OPERATIONS, M$			
-END- MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-06	.000	1.774	.000	1.501	.00	6.06	1.0	.000	9.096	.000	9.096
S TOT	.000	1.774	.000	1.501	.00	6.06	1.0	.000	9.096	.000	9.096
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	1.774	.000	1.501	.00	6.06	1.0	.000	9.096	.000	9.096

	OPERATIONS, M$				CAPITAL COSTS, M$					8.00 PCT
-END- MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-06	.819	.083	5.776	2.418	367.280	1363.324	.000	.000	-1728.186	-1624.289
S TOT	.819	.083	5.776	2.418	367.280	1363.324	.000	.000	-1728.186	-1624.289
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1624.289
TOTAL	.819	.083	5.776	2.418	367.280	1363.324	.000	.000	-1728.186	-1624.289

DATE: 04/01/08
TIME: 10:52:17
FILE:
PROP: 4969
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

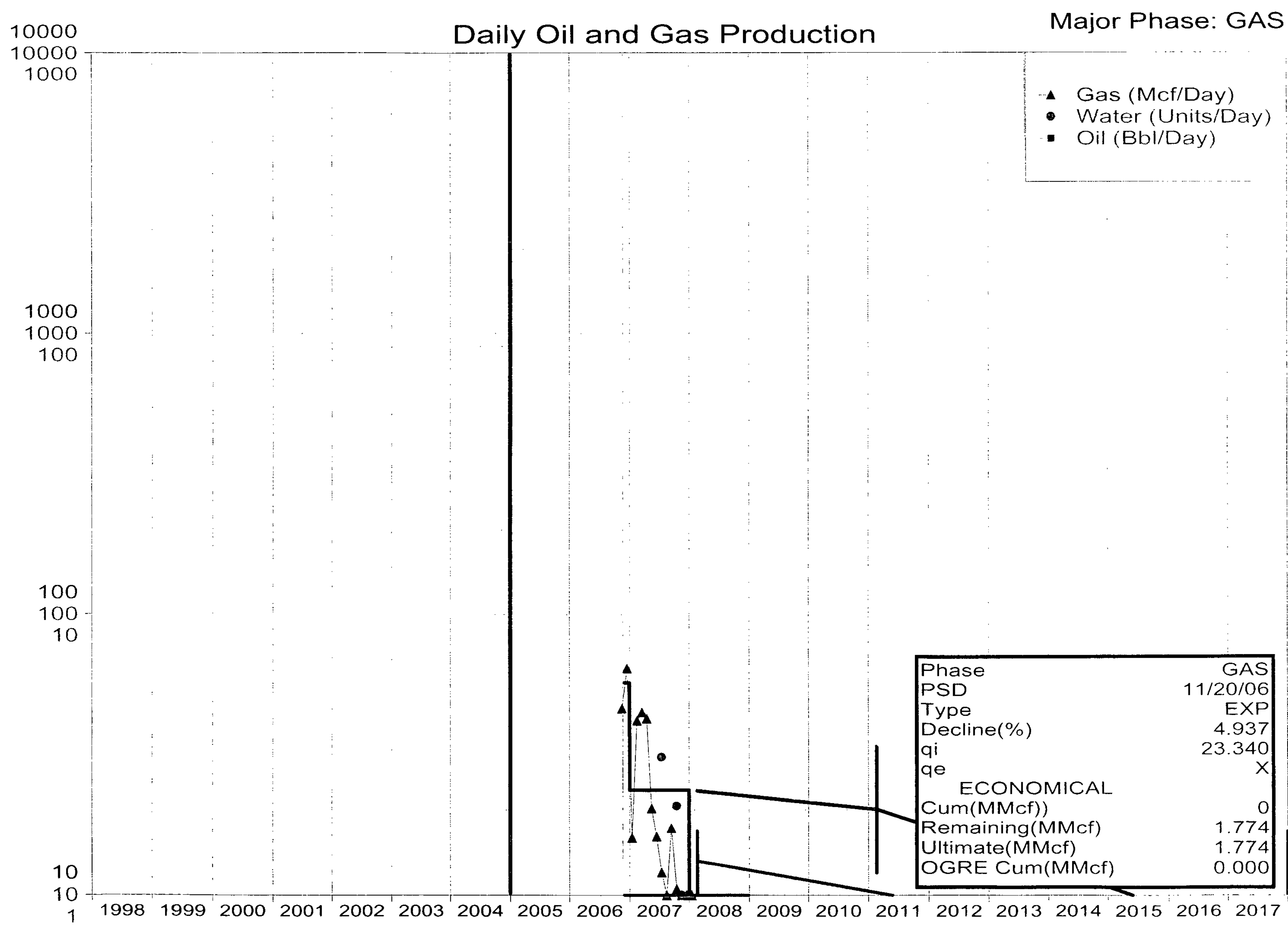
A F T E R   T A X   E C O N O M I C S

AS OF NOVEMBER 30, 2005

-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-06	2.418	367.080	.000	1363.324	.000	-1728.186	.000	-673.993	-1054.193	-1001.656
S TOT	2.418	367.080	.000	1363.324	.000	-1728.186	.000	-673.993	-1054.193	-1001.656
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1001.656
TOTAL	2.418	367.080	.000	1363.324	.000	-1728.186	.000	-673.993	-1054.193	-1001.656

				----PRESENT WORTH PROFILE-----		
				DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
BTAX RATE OF RETURN (PCT)	.00	ATAX RATE OF RETURN (PCT)	.00			
BTAX PAYOUT	LIFE	ATAX PAYOUT	LIFE			
BTAX PAYOUT (DISC)	LIFE	ATAX PAYOUT (DISC)	LIFE			
BTAX NET INCOME/INVEST	.00	ATAX NET INCOME/INVEST	.39	.0	-1728.186	-1054.193
BTAX NET INCOME/INVEST (DISC)	.00	ATAX NET INCOME/INVEST (DISC)	.38	2.0	-1700.854	-1040.448
				5.0	-1661.575	-1020.612
PRODUCTION START DATE	11/20/06	PROJECT LIFE (YEARS)	1.00	8.0	-1624.289	-1001.656
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00	10.0	-1600.455	-989.478
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000	12.0	-1577.390	-977.647
		PRIOR DEPR. BASIS (M$)	.000	15.0	-1544.154	-960.518
				18.0	-1512.447	-944.087
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	6.06	20.0	-1492.106	-933.500
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00	25.0	-1443.832	-908.225
				30.0	-1398.924	-884.520
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000	35.0	-1357.030	-862.237
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	1.774	40.0	-1317.846	-841.243
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	1.774	45.0	-1281.111	-821.425
				50.0	-1246.593	-802.681
				60.0	-1183.433	-768.067
				70.0	-1127.020	-736.796
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000	80.0	-1076.297	-708.382
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000	90.0	-1030.420	-682.431
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000	100.0	-988.706	-658.624

Property 4969
COMM RU 389A FTC
31 N - 4 W SEC 7 NW NW



ROSA UNIT #389A
BASIN FRUITLAND COAL

Location:
SHL: 2450' FNL and 2380' FEL
SW/4 NE/4 Sec 07(G), T31N, R04W

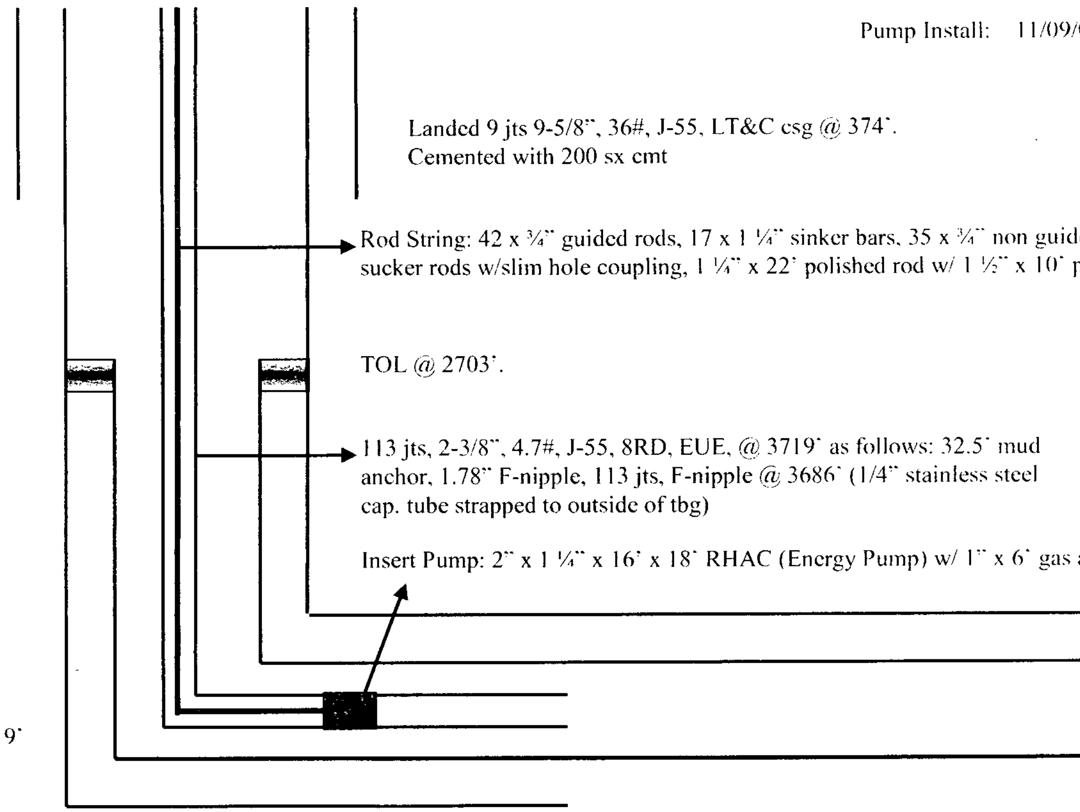
BHL: 1018' FNL and 1074' FWL
NW/4 NW/4 Sec 07(D), T31N, R04W
Rio Arriba, New Mexico

Elevation: 6457' GR
API # 30-039-29502

Spud date:	10/05/06
Completed:	11/09/06
1st Delivered:	11/20/06
Pump Install:	11/09/06

Top	MD Depth
Ojo Alamo	2647'
Kirtland	2758'
Fruitland	3125'
Pictured Cliffs	3295'

Dyna Pump



Landed 9 jts 9-5/8", 36#, J-55, LT&C csg @ 374'. Cemented with 200 sx cmt

Rod String: 42 x ¾" guided rods, 17 x 1 ¼" sinker bars, 35 x ¾" non guided rods, 52 x 7/8" sucker rods w/slim hole coupling, 1 ¼" x 22' polished rod w/ 1 ½" x 10' polished rod liner

TOL @ 2703'.

113 jts, 2-3/8", 4.7#, J-55, 8RD, EUE, @ 3719' as follows: 32.5' mud anchor, 1.78" F-nipple, 113 jts, F-nipple @ 3686' (1/4" stainless steel cap. tube strapped to outside of tbg)

Insert Pump: 2" x 1 ¼" x 16' x 18' RHAC (Energy Pump) w/ 1" x 6' gas anchor

Landed 95 jts 7", 23#, J-55, LT&C csg @ 3319' TMD, 3271' TVD. FC @ 3579' TMD, 3268' TVD. Cemented with 750 sx cmt.

TD @ 5163' TMD
@ 3289' TVD

Landed 4-1/2" liner @ 5162' TMD, 3288' TVD, TOL @ 2703' as follows: liner hanger, 1 jt 4 ½", 10.5#, J-55 non-perfed csg, 58 jts, 4 ½", 11.6#, J-55 perfed csg & shoe on bottom. Liner perfs are from 2750' to 5160'. Total of 57,816 (0.50") holes.

Hole Size	Casing	Cement	Volume	Top of CMT
12-1/4"	9-5/8",36#	200 sxs	280 cu.ft.	surface
8-3/4"	7", 23#	750 sxs	1464 cu.ft.	surface
6-1/4"	4-1/2",11.6#	Did Not Cmt	N/A	N/A

RML 06/12/07

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

RCVD FEB 2'07
OIL CONS. DIV
DIST. 3

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-1 TULSA, OK 74101	2 OGRID Number 120782
	3 Reason for Filing Code/ Effective Date NW

4 API Number	5 Pool Name	6 Pool Code
30 – 039-29502	BASIN FRUITLAND COAL	71629

7 Property Code	8 Property Name	9 Well Number
17033	ROSA UNIT	389A

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
G	07	31N	4W		~~2460'~~ 2450	NORTH	2380'	EAST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	07	31N	4W	1	1018'	NORTH	~~3968'~~ 1074	~~EAST~~ W	RIO ARRIBA

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

In Lieu of Form 3160 (July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO. NMSF-078890

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

2007 FEB -1 AM 10:10

RECEIVED

BLM

210 FARMINGTON NM

7. UNIT AGREEMENT NAME
NMNM-78407X

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF RESVR OTHER

2. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO. ROSA UNIT #389A

3. ADDRESS AND TELEPHONE NO.: P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO. 30-039-29502-0151

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: ~~2460~~ 2450' FNL & 2380' FEL
At top production interval reported below :
At total depth: ~~1018'~~ FNL & ~~3968' FEL~~
~~1028'~~ 1074'/W
1018

10. FIELD AND POOL, OR WILDCAT: BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA: SW/4 SE/4 SEC 07-31N-04W

14. PERMIT NO. | DATE ISSUED

12. COUNTY OR: RIO ARRIBA | 13. STATE: NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
10/05/06	11/04/06	11/09/06	6457' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5163' TMD, 3288' TVD				X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*: BASIN FRUITLAND COAL 3750' – 5160'

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN: NONE

27. WAS WELL CORED: YES

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" J-55	36#	374'	12-1/4"	200 SX - SURFACE	
7" J-55	23#	3319'	8-3/4"	750 SX – SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-1/2", 11.6#, J-55	2703'	5162'	0 SXS	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8", 4.7#, J-55	3719'	

31. PERFORATION RECORD (Interval, size, and number)

4-1/2", 11.6#, J-55 pre-perf'd liner. Top perf @ 2750', bottom perf @ 5160'. Total of 57,816 (0.50") holes.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

RCVD FEB7'07
OIL CONS. DIV.
DIST. 3

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
11/20/06	Flowing	Producing

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL.	GAS-OIL RATIO
11/18/06	3 hrs	3/4"			26		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS – MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
5	32					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY: MARK LEPICH

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE January 27, 2007

ACCEPTED FOR RECORD
FEB 03 2007
FARMINGTON FIELD OFFICE
BY T. Salyers

NMOCD

<u>The Rosa Unit #382 Fruitland Coal Well (non-commercial) is</u> located 1093 feet from the South Line and 1843 feet from the East Line, Section 12, Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 20, 2005, and completed in the Fruitland Coal formation on October 7, 2005. This is a horizontal well. The Fruitland Coal formation was completed with a pre-perforated liner between the following measured depths: 3056' to 4411'. This well has a 2 3/8" tubing string. This well was shut in with a SICP of 990 psig. On October 30, 2005 the well was tested and after flowing for three hours through a ¾" choke on the 2 3/8" tubing, the well gauged 344 MCFD.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 0% and is therefore determined non-commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III 4-14-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

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OGRE(R) V2.2  BATAX                                  D A T A   R E P O R T                              DATE: 03/31/08
FILE.NAME:            ( 4922)                        - - - -   - - - - - -                              TIME: 13:37:15
CASE NAME: COMM RU 382 FTC              -382         -90TH-RLG-              -SJB
101 ROSA UNIT # 382
102 FTC T31N-R5W-SEC. 12
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE NONE
120 01 2004 12 12 01 2005 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 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	1200.00	1.000	GAS	11/01/2005

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84600000	5.470	9.000	1.0	
224	WATER	.000	.84600000	.000	.000	.0	

300 SERIES LINES:

305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	0.	.000	.000
315	3.	400.000	7972.000
316	3.	400.000	5109.000
317	3.	400.000	5306.000
318	3.	400.000	2473.000
319	3.	400.000	1104.000
320	3.	1040.000	1429.000
321	3.	480.000	1286.000
322	3.	560.000	1002.000
323	2.	450.000	338.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.937	6.186	X	3.000	IYRS	D		
CALC	GAS	EXP	END=	4.937	6.186	5.314	7.000	YRS	D	32.303	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	5.314	.018	42.000	YRS	D	44.198	MMCF
420	WATER	EXP		8.054	6.835	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	6.835	.438	36.712	YRS	D	32.335	M-UNITS

600 SERIES LINES:

```
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 : CASE $ARR17_OP_POV_APR07
629 : CASE $AREA17
630 : EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 : SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 : SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 : SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 : SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 : WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 : MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 : DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 : EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 : CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 : SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 : SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 : AFE=WT892 ACTUAL COST
```

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	112.330	636.539	.000		
803 : AFE=WT892 ACTUAL COST									
803	COMP	-2.000	MOS	G	73.744	136.954	.000		

```
850 NOLOSS = ON
```

	[illegible],000
(MU) :	26,012
	4,536

ROSA UNIT # 382
FTC T31N-R5W-SEC. 12
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/31/08
TIME: 13:37:15
FILE:
PROP: 4922
STID: COMMSJE
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

AS OF DECEMBER 1, 2005

-END-	GROSS PRODUCTION		NET PRODUCTION		PRICES		NO. OF	OPERATIONS, M$			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-05	.000	5.314	.000	4.496	.00	7.85	1.0	.000	35.315	.000	35.315
12-06	.000	16.282	.000	13.775	.00	6.06	1.0	.000	83.473	.000	83.473
12-07	.000	4.423	.000	3.742	.00	6.68	1.0	.000	24.986	.000	24.986
S TOT	.000	26.019	.000	22.013	.00	6.53	1.0	.000	143.774	.000	143.774
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	26.019	.000	22.013	.00	6.53	1.0	.000	143.774	.000	143.774

-END-	OPERATIONS, M$				CAPITAL COSTS, M$					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-05	3.178	.321	3.041	28.775	186.074	773.493	.000	.000	-930.792	-949.433
12-06	7.513	.760	18.240	56.960	.000	.000	.000	.000	56.960	-894.974
12-07	2.249	.227	20.791	1.719	.000	.000	.000	.000	1.719	-893.452
S TOT	12.940	1.308	42.072	87.454	186.074	773.493	.000	.000	-872.113	-893.452
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	-893.452
TOTAL	12.940	1.308	42.072	87.454	186.074	773.493	.000	.000	-872.113	-893.452

ROSA UNIT # 382
FTC T31N-R5W-SEC. 12
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 03/31/08
TIME: 13:37:15
FILE:
PROP: 4922
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF DECEMBER 1, 2005

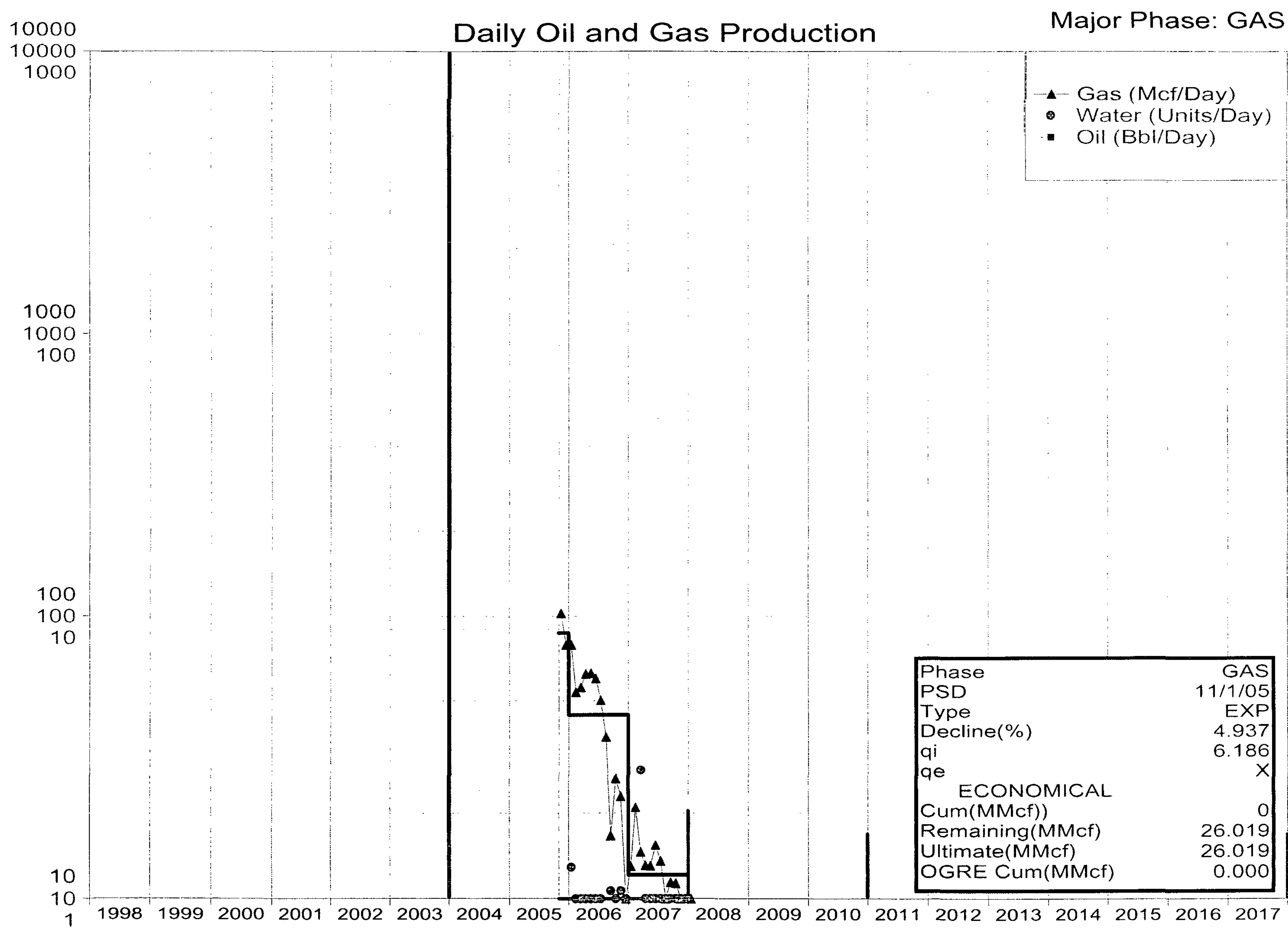
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-05	28.775	79.746	.000	773.493	.000	-824.464	.000	-321.541	-609.251	-627.892
12-06	56.960	79.746	.000	.000	.000	-22.786	.000	-8.887	65.847	-564.936
12-07	1.719	26.582	.000	.000	.000	-24.863	.000	-9.697	11.416	-554.830
S TOT	87.454	186.074	.000	773.493	.000	-872.113	.000	-340.125	-531.988	-554.830
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	-554.830
TOTAL	87.454	186.074	.000	773.493	.000	-872.113	.000	-340.125	-531.988	-554.830

BTAX RATE OF RETURN (PCT)	.00	ATAX RATE OF RETURN (PCT)	.00
BTAX PAYOUT	LIFE	ATAX PAYOUT	LIFE
BTAX PAYOUT (DISC)	LIFE	ATAX PAYOUT (DISC)	LIFE
BTAX NET INCOME/INVEST	.09	ATAX NET INCOME/INVEST	.45
BTAX NET INCOME/INVEST (DISC)	.09	ATAX NET INCOME/INVEST (DISC)	.43
PRODUCTION START DATE	11/01/05	PROJECT LIFE (YEARS)	3.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	26.019
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	26.019
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	-872.113	-531.988
2.0	-877.582	-537.858
5.0	-885.615	-546.461
8.0	-893.452	-554.830
10.0	-898.573	-560.287
12.0	-903.614	-565.650
15.0	-911.034	-573.529
18.0	-918.289	-581.218
20.0	-923.041	-586.245
25.0	-934.629	-598.475
30.0	-945.829	-610.262
35.0	-956.672	-621.643
40.0	-967.183	-632.647
45.0	-977.383	-643.302
50.0	-987.293	-653.633
60.0	-1006.315	-673.411
70.0	-1024.376	-692.128
80.0	-1041.580	-709.909
90.0	-1058.016	-726.854
100.0	-1073.759	-743.050

Property 4922
COMM RU 382 FTC
31 N - 4 W SEC 29 SE SE



ROSA UNIT #382
BASIN FRUITLAND COAL

Spud date: 9/20/05

Completed: 10/07/05

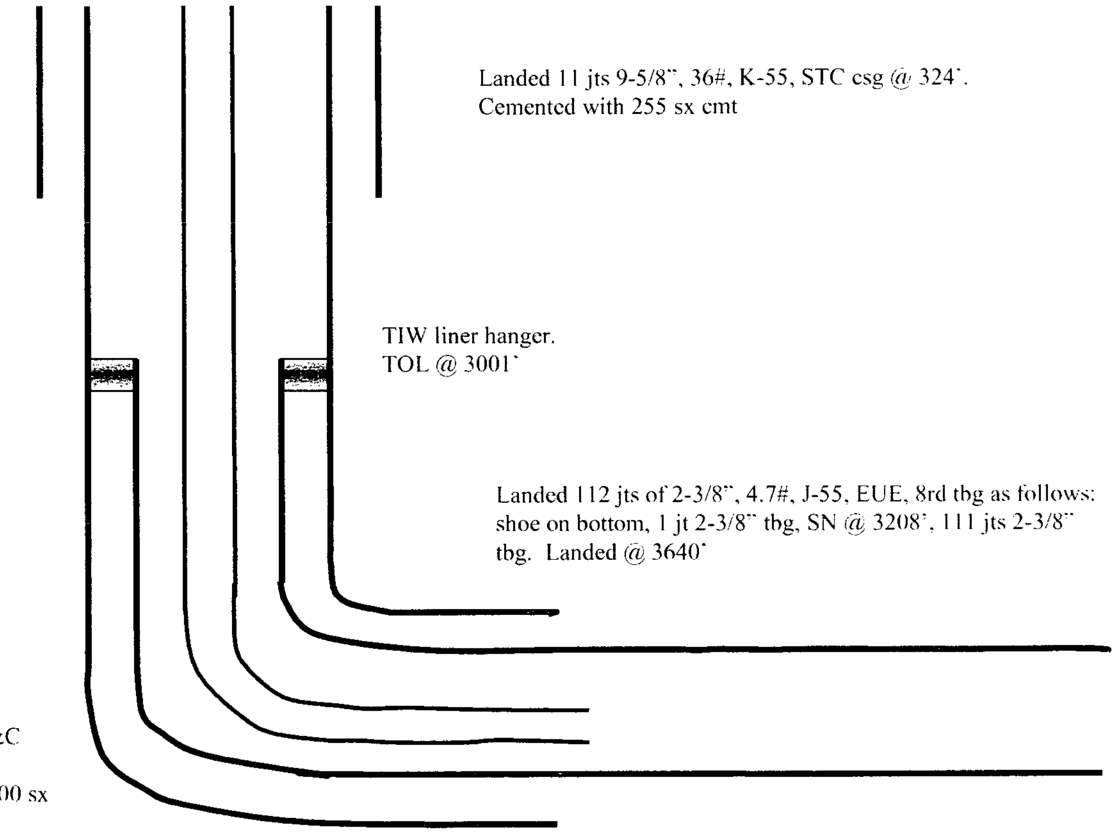
1st Delivered: 11/02/05

Location:
SHL: 95' FSL and 1415' FEL
SW/4 SE/4 Sec 12(O), T31N, R05W

BHL: 1093' FSL and 1843' FEL
SW/4 SE/4 Sec 12(O), T31N, R05W
Rio Arriba, New Mexico

Elevation: 6671' GR
API # 30-039-29364

Top	Depth
Ojo Alamo	2867'
Kirtland	2976'
Fruitland	3320'
Base of Coal	3497'



Landed 11 jts 9-5/8", 36#, K-55, STC csg @ 324'. Cemented with 255 sx cmt

TIW liner hanger.
TOL @ 3001'

Landed 112 jts of 2-3/8", 4.7#, J-55, EUE, 8rd tbg as follows: shoe on bottom, 1 jt 2-3/8" tbg, SN @ 3208', 111 jts 2-3/8" tbg. Landed @ 3640'

Landed 94 jts 7", 23#, K-55, LT&C csg @ 3645' TMD (3472' TVD). Float @ 3605'. Cemented with 600 sx cmt.

TD @ 4415' TMD
@ 3492' TVD

Landed 4-1/2" liner @ 4415' as follows: liner hanger, 1 jt 4 ½", 10.5#, J-55 non-perfed csg, 33 jts, 4 ½", 11.5#, J-55 perfed csg & shoe on bottom. Liner perfs are from 3056' to 4411'. Did not cement

Hole Size	Casing	Cement	Volume	Top of CMT
12-1/4"	9-5/8",36#	255 sx	354 cu ft.	surface
8-3/4"	7", 23#	600 sx	1144 cu ft.	surface
6-1/4"	4-1/2",11.6#	Did Not Cmt	N/A	N/A

TR 07/12/06

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-1 TULSA, OK 74101	2 OGRID Number 120782 3 Reason for Filing Code/ Effective Date NW

4 API Number	5 Pool Name	6 Pool Code
30 – 039-29364	BASIN FRUITLAND COAL	71629

7 Property Code	8 Property Name	9 Well Number
17033	ROSA UNIT	382

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
O	12	31N	5W		95	SOUTH	1415	EAST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	12	31N	5W		1093	SOUTH	1843	EAST	RIO ARRIBA

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	

JUN 2006
OIL CONS. DIV.
DIST. 3

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO. NMSF-078762

6. IF INDIAN,ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

2006 JUN 15 PM 10 51

RECEIVED
070 FARMINGTON NM

7. UNIT AGREEMENT NAME

1a. TYPE OF WELL ☐ OIL WELL X GAS WELL DRY OTHER

b TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF.RESVR. OTHER

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #382

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.
30-039-29364

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 95' FSL & 1415' FEL
At top production interval reported below :
At total depth: 1093' FSL & 1843' FEL

JUN 2006
RECEIVED
OIL CONS. DIV.
DIST. 3

10. FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA
SW/4 SE/4 SEC 12-31N-5W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	13. STATE
		RIO ARRIBA	NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
09/20/05	10/06/05	10/07/05	6671' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3488' ~~MD~~ TVD 4419 MD				x	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
3645-4419

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED
NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE.	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" K-55	36#	324'	12-1/4"	255 SX - SURFACE	
7" K-55	23#	3645'	8-3/4"	600 SX – SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-1/2",11.6#,J-55	3001'	4415'	0 sx	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8", 4.7#, J-55	3640'	

31. PERFORATION RECORD (Interval, size, and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
	Flowing	Producing

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
10/30/05	3 hr	3/4"			344		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL – BBL.	GAS – MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
205	990					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.). TO BE SOLD

TEST WITNESSED BY: MARK LEPICH

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE June 15, 2006

ACCEPTED FOR RECORD
JUN 19 2006
FARMINGTON FIELD OFFICE

NMOCD

<u>The Rosa Unit #360 Fruitland Coal Well (non-commercial) is</u> located 666 feet from the South Line and 654 feet from the West Line, Section 9 Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 13, 2006, and completed in the Fruitland Coal formation on September 18, 2006. The Fruitland Coal formation was completed open-hole between the following depths: 3248' to 3506'. This well has a 2 7/8" tubing string. This well was shut in with a SICP of 45 psig. On September 22, 2006 the well was tested and after flowing for three hours through a ¾" choke on the 2 7/8" tubing, the well gauged 208 MCFD.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 0% and is therefore determined non-commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III 4-15-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

```
117 CASE NONE
CASE NAME: COMM RU 360 FTC
120 01 2005 12 11 30 2005 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 2

        W.I.         OP. COST    OP. COST    ADV. TAX    MAJOR       PROD  DATE
        FRACTION     ($/W/MO)    ($/MO.)     (PCT)       PH. NAME    (MO/DY/YR)
        --------     --------    --------    --------    --------    ----------
210   1.00000000          .00     4200.00       1.000    GAS          9/22/2006

        PHASE        CUM PROD    REV. INT    PRICE       SEV. TAX    NO. OF      RATIO TO
        NAME         (MUNITS)    FRACTION    ($/UNIT)    (PCT)       WELLS       MAJOR PH
        --------     --------    --------    --------    --------    --------    --------
222     GAS              .000    .84600000      5.470       9.000         1.0
224     WATER            .000    .84600000       .000        .000          .0

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

305          MAN       WATER         GAS
310         FACT       1.000       1.000
314           0.        .000        .000
315           3.    1360.000    5001.000
316           3.    4720.000   10226.000
317           3.    5415.000   12647.000
318           3.    5815.000   12938.000
319           3.    6100.000   13607.000
320           2.     880.000    6120.000

        PH. NAME     CURVE TP    DECLINE%    QI  RATE    QT  RATE         CUM. LIMIT           (M OR Y)         CALC VALUE
        --------     --------    --------    --------    --------    --------------------      --------     --------------------
410     GAS          EXP            4.937     131.034           X       3.000    IYRS             D
CALC    GAS          EXP     END=   4.937     131.034     112.569       6.141    YRS              D           193.656     MMCF
411     GAS          EXP           15.000    LAST               X      35.000    IYRS             D
CALC    GAS          EXP     END=  15.000     112.569        .381      41.141    YRS              D           445.617     MMCF
420     WATER        EXP            8.054      57.481           X      34.879    YRS              D
CALC    WATER        EXP     END=   8.054      57.481       3.461      36.603    YRS              D           259.106     M-UNITS

600 SERIES LINES:
-----------------
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
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630 DATA ESC1 : 0.4574 TO LIFE
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632 DATA ESC2 : 1 TO LIFE
633 : SETS VARIABLE 2 EQUAL TO WI
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661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 : AFE=WT1146 ACTUAL COST

        INV NAME          INV. POINT          (G OR N)      TANG-M$    INTANG-M$   LSEHLD-M$   RISK FRAC   OVHD FLAG
        --------     --------------------     --------      -------    ---------   ---------   ---------   ---------
802     DRLG            -2.000    MOS            G           96.205     545.161        .000
803 : AFE=WT1146 ACTUAL COST
803     COMP            -2.000    MOS            G          234.602     435.690        .000

850 NOLOSS = ON

ECONOMIC LIFE  (YRS):        12.000
GROSS GAS      (MMCF):      363.549
GROSS WATER      (MU):      164.966
```

DATE: 04/10/08
TIME: 13:23:21
FILE:
PROP: 4931
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

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

AS OF NOVEMBER 30, 2005

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			---------------OPERATIONS, M$---------------			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-06	.000	6.056	.000	5.123	.00	6.06	1.0	.000	31.044	.000	31.044
12-07	.000	49.310	.000	41.716	.00	6.68	1.0	.000	278.541	.000	278.541
12-08	.000	45.382	.000	38.393	.00	6.68	1.0	.000	256.353	.000	256.353
12-09	.000	44.651	.000	37.775	.00	6.68	1.0	.000	252.227	.000	252.227
12-10	.000	42.448	.000	35.911	.00	6.68	1.0	.000	239.781	.000	239.781
12-11	.000	38.755	.000	32.787	.00	6.68	1.0	.000	218.922	.000	218.922
12-12	.000	32.980	.000	27.901	.00	6.68	1.0	.000	186.297	.000	186.297
12-13	.000	28.034	.000	23.717	.00	6.68	1.0	.000	158.360	.000	158.360
12-14	.000	23.829	.000	20.159	.00	6.68	1.0	.000	134.603	.000	134.603
12-15	.000	20.254	.000	17.135	.00	6.68	1.0	.000	114.412	.000	114.412
12-16	.000	17.216	.000	14.565	.00	6.68	1.0	.000	97.252	.000	97.252
12-17	.000	14.634	.000	12.380	.00	6.68	1.0	.000	82.662	.000	82.662
S TOT	.000	363.549	.000	307.562	.00	6.67	1.0	.000	2050.454	.000	2050.454
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	363.549	.000	307.562	.00	6.67	1.0	.000	2050.454	.000	2050.454

-END-	----------------OPERATIONS, M$----------------				------------CAPITAL COSTS, M$------------					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-06	2.794	.283	18.333	9.634	330.807	980.851	.000	.000	-1302.024	-1239.206
12-07	25.069	2.535	102.478	148.459	.000	.000	.000	.000	148.459	-1107.818
12-08	23.072	2.333	93.922	137.026	.000	.000	.000	.000	137.026	-995.531
12-09	22.700	2.295	95.335	131.897	.000	.000	.000	.000	131.897	-895.453
12-10	21.580	2.182	91.718	124.301	.000	.000	.000	.000	124.301	-808.125
12-11	19.703	1.992	88.387	108.840	.000	.000	.000	.000	108.840	-737.323
12-12	16.767	1.695	85.330	82.505	.000	.000	.000	.000	82.505	-687.628
12-13	14.252	1.441	82.517	60.150	.000	.000	.000	.000	60.150	-654.082
12-14	12.114	1.225	79.930	41.334	.000	.000	.000	.000	41.334	-632.737
12-15	10.297	1.041	77.551	25.523	.000	.000	.000	.000	25.523	-620.533
12-16	8.753	.885	75.365	12.249	.000	.000	.000	.000	12.249	-615.110
12-17	7.440	.752	73.354	1.116	.000	.000	.000	.000	1.116	-614.653
S TOT	184.541	18.659	964.220	883.034	330.807	980.851	.000	.000	-428.624	-614.653
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	-614.653
TOTAL	184.541	18.659	964.220	883.034	330.807	980.851	.000	.000	-428.624	-614.653

DATE: 04/10/08
TIME: 13:23:21
FILE:
PROP: 4931
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF NOVEMBER 30, 2005

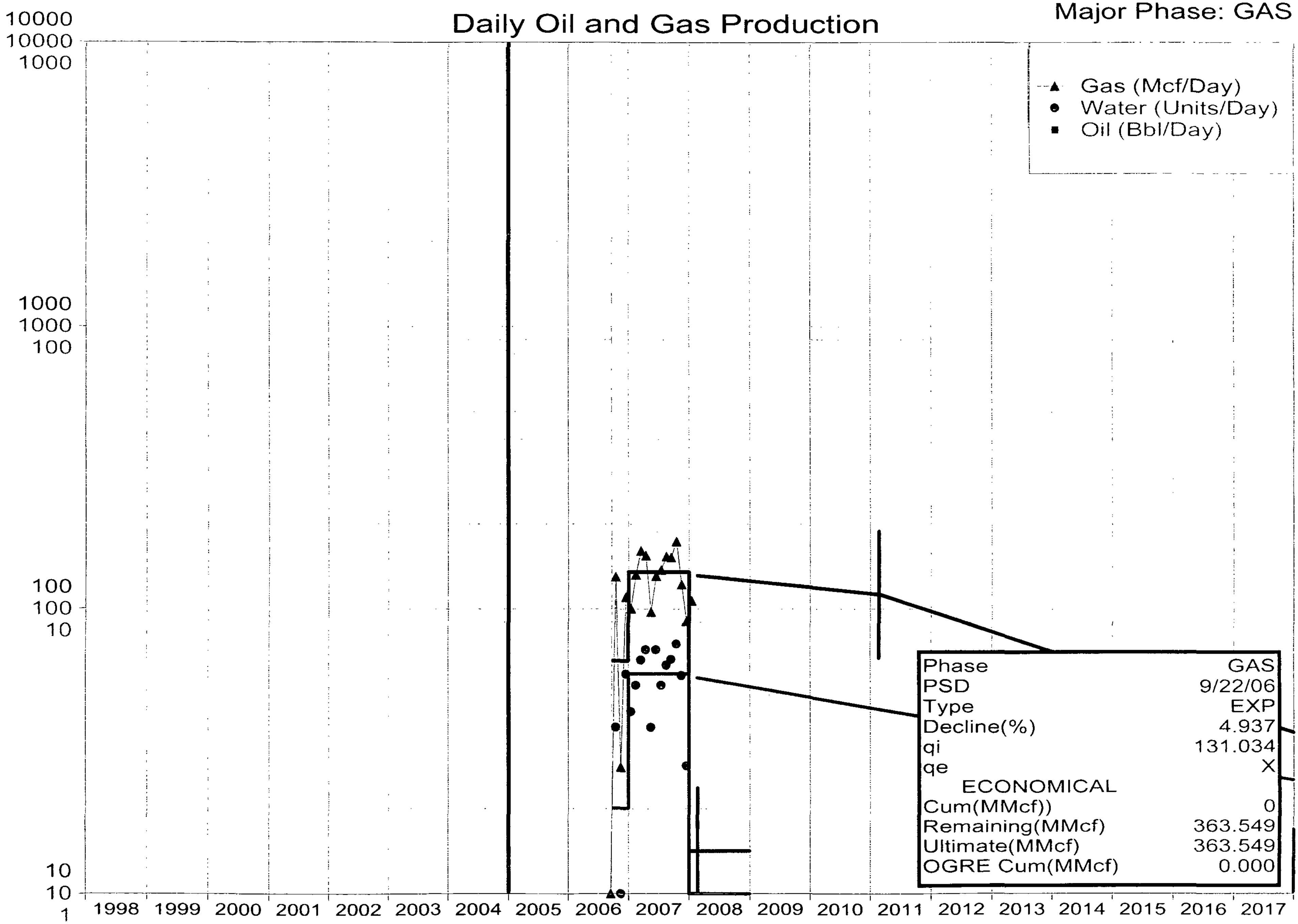
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-06	9.634	41.820	.000	980.851	.000	-1013.037	.000	-395.084	-906.940	-871.957
12-07	148.459	82.568	.000	.000	.000	65.891	.000	25.697	122.762	-763.311
12-08	137.026	58.977	.000	.000	.000	78.049	.000	30.439	106.587	-675.968
12-09	131.897	42.126	.000	.000	.000	89.771	.000	35.011	96.886	-602.455
12-10	124.301	30.090	.000	.000	.000	94.211	.000	36.742	87.559	-540.940
12-11	108.840	29.414	.000	.000	.000	79.426	.000	30.976	77.864	-490.289
12-12	82.505	29.413	.000	.000	.000	53.092	.000	20.706	61.799	-453.066
12-13	60.150	16.399	.000	.000	.000	43.751	.000	17.063	43.087	-429.036
12-14	41.334	.000	.000	.000	.000	41.334	.000	16.120	25.214	-416.016
12-15	25.523	.000	.000	.000	.000	25.523	.000	9.954	15.569	-408.572
12-16	12.249	.000	.000	.000	.000	12.249	.000	4.777	7.472	-405.264
12-17	1.116	.000	.000	.000	.000	1.116	.000	.435	.681	-404.985
S TOT	883.034	330.807	.000	980.851	.000	-428.624	.000	-167.164	-261.460	-404.985
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	-404.985
TOTAL	883.034	330.807	.000	980.851	.000	-428.624	.000	-167.164	-261.460	-404.985

BTAX RATE OF RETURN (PCT)	.00	ATAX RATE OF RETURN (PCT)	.00
BTAX PAYOUT	LIFE	ATAX PAYOUT	LIFE
BTAX PAYOUT (DISC)	LIFE	ATAX PAYOUT (DISC)	LIFE
BTAX NET INCOME/INVEST	.67	ATAX NET INCOME/INVEST	.80
BTAX NET INCOME/INVEST (DISC)	.51	ATAX NET INCOME/INVEST (DISC)	.68
PRODUCTION START DATE	9/22/06	PROJECT LIFE (YEARS)	12.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	6.68
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	363.549
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	363.549
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	-428.624	-261.460
2.0	-486.743	-305.639
5.0	-558.222	-360.713
8.0	-614.653	-404.985
10.0	-645.574	-429.652
12.0	-672.047	-451.078
15.0	-704.783	-478.113
18.0	-730.668	-500.084
20.0	-744.797	-512.399
25.0	-771.444	-536.661
30.0	-788.634	-553.701
35.0	-799.024	-565.461
40.0	-804.475	-573.299
45.0	-806.306	-578.196
50.0	-805.459	-580.866
60.0	-798.329	-581.487
70.0	-786.745	-578.007
80.0	-772.773	-572.073
90.0	-757.625	-564.691
100.0	-742.014	-556.471

Property 4931
COMM RU 360 FTC
31 N - 5 W SEC 9 SW SW



ROSA UNIT #360
BASIN FRUITLAND COAL

Spud: 07/13/06

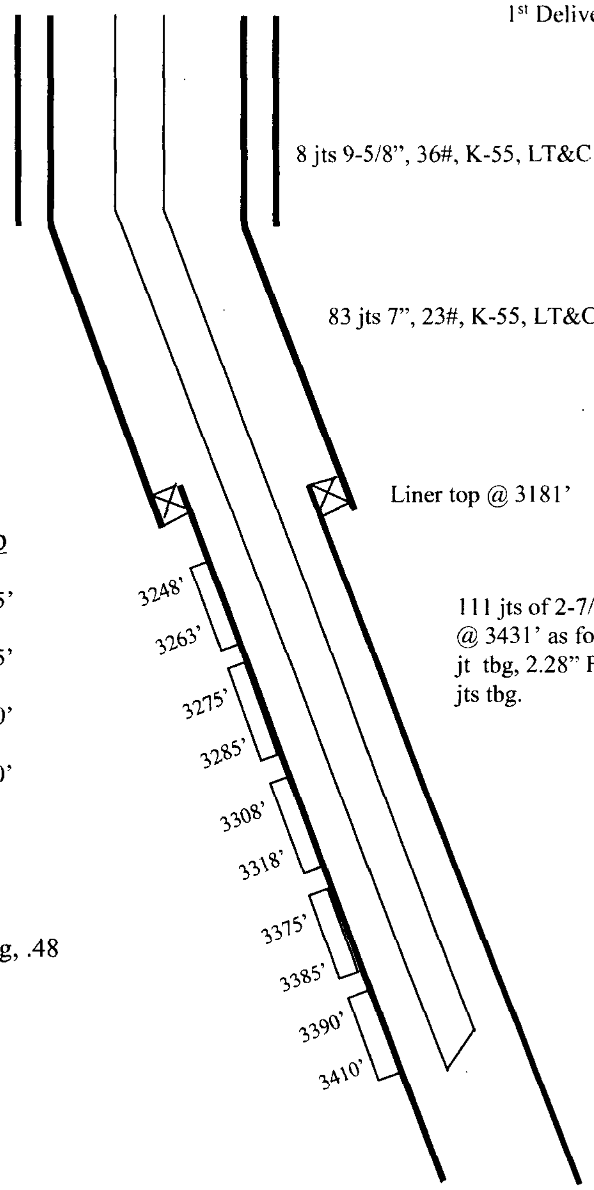
Completed: 09/20/06

1st Delivered: 09/22/06

Surface Location:
310' FNL and 150' FWL
NW/4 NW/4 Sec 16(D), T31N, R05W
Rio Arriba, NM

Bottom Hole Location:
666' FSL and 660' FWL
SW/4 SW/4 Sec 09(M), T31N, R05W
Rio Arriba, NM

Elevation: 6271' GR
API # 30-039-29882



Top	MD	TVD
Ojo Alamo	2697'	2405'
Kirtland	2811'	2515'
Fruitland	3189'	2890'
Base of Coal	3419'	3120'

Perf intervals w/3 1/8" HSC, 11 grm chg, .48 dia holes, 4 spf, total of 260 holes.

TD @ 3506' MD

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	160 sx	222 cu.ft.	Surface
8-3/4"	7", 23#	455 sx	921 cu.ft.	Surface

RML 04/15/08

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RCVD OCT 23'05
OIL CONS. DIV.
DIST. 3

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-1 TULSA, OK 74101		2 OGRID Number 120782 3 Reason for Filing Code/ Effective Date NW
4 API Number 30 – 039-29882	5 Pool Name BASIN FRUITLAND COAL NSL-5562	6 Pool Code 71629
7 Property Code 17033	8 Property Name ROSA UNIT	9 Well Number 360

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
D	16	31N	5W		310'	NORTH	150'	WEST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	9	31N	5W		~~666'~~	SOUTH	~~660'~~ 654'	WEST	RIO ARRIBA

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

In Lieu of
Form 3160-4
(July 1992)

RCVD NOV2'06
OIL CONS. DIV.
DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side.)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO.
NMSF-078763

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

7. UNIT AGREEMENT NAME

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

2006 OCT 23 PM 6 53

b. TYPE OF COMPLETION
X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF RESVR. OTHER

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #360

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.
30-039-29882 00S1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 310' FNL & 150" FWL
At top production interval reported below
At total depth: 660' FSL & 660' FWL SW/4 SW/4 SEC 9-31N-5W

10. FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA
NW/4 NW/4 SEC 16-31N-05W

NSL-5562 2/8/07

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	13. STATE
		RIO ARRIBA	NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
07/13/06	09/18/06	09/20/06	6271' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3506' MD				x	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
3248-3506

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN
NONE

27. WAS WELL CORED
NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" K-55	36#	336'	12-1/4"	160 SX - SURFACE	
7" J-55	23#	3240'	8-3/4"	455 SX - SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8", 6.5#, J-55	3235'	

31. PERFORATION RECORD (Interval, size, and number)

(OH 3248-3506)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
09/22/06	Flowing	Producing

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
09/22/06	3 hrs	3/4"			26		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
5	45					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY: MARK LEPICH

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE October 19, 2006

NMOCD
8 2/19/07

ACCEPTED FOR RECORD
NOV 0 1 2006
FARMINGTON FIELD OFFICE
BY TL Salyers

The Rosa Unit #63A Fruitland Coal Well (non-commercial) is located 1656 feet from the South Line and 1430 feet from the East Line, Section 30, Township 31 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 19, 2006, and completed in the Fruitland Coal formation on August 18, 2006. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 3545' to 3635'. This well has a 2 7/8" tubing string. This well was shut in with a SICP of 32 psig. On September 17, 2006 the well was tested and after flowing for three hours through a ¾" choke on the 2 7/8" tubing, the well gauged 104 MCFD.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 0% and is therefore determined non-commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III   4-15-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

JOB [illegible] D A T A R E P O R T DATE [illegible]
FILE NAME [illegible] TIME [illegible]

[illegible]

	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	4700.00	.003	GAS	8 24 2006

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE ($ UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
222	GAS	.000	.84000000	5.470	9.000	1.0	
224	WATER	.000	.84000000	.000	.000	.0	

300 SERIES LINES:

	MAN	WATER	GAS
305	MAN	WATER	GAS
310	FACT	1.000	1.000
314	0.	.000	.000
315	3.	160.000	1171.000
316	3.	.000	490.000
317	3.	.000	1053.000
318	3.	160.000	1281.000
319	3.	160.000	2461.000
320	3.	160.000	2355.000

	PH. NAME	CURVE TP		DECLINE%	QI RATE	QT RATE	CUM. LIMIT		(M OR Y)	CALC VALUE	
410	GAS	EXP		4.937	16.644	X	2.000	IYRS	D		
CALC	GAS	EXP	END=	4.937	16.644	14.299	6.146	YRS	D	25.720	MMCF
411	GAS	EXP		15.000	LAST	X	35.000	IYRS	D		
CALC	GAS	EXP	END=	15.000	14.299	.048	41.146	YRS	D	57.724	MMCF
420	WATER	EXP		8.054	11.917	X	34.879	YRS	D		
CALC	WATER	EXP	END=	8.054	11.917	.723	36.525	YRS	D	49.200	M-UNITS

600 SERIES LINES:
----

602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 : CASE $ARR17_OP_POV_APR07
629 : CASE $AREA17
630 : EST. GATHERING PER WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 : SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 : SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 : SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 : SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 : WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 : MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 : DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 : EST. FLU PER WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 : CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 : SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 : SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 : SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 : SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 : WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 : MULTIPLIES FLAU * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 : MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 : CREATES FLUA SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 : ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.59 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.83 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
698 SET IDCAMORT = IND
699 SET FEDTAX = 35
802 : AFE=WT1142 ACTUAL COST

	INV. NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	76.956	436.087	.000		
803 : AFE=WT1143 ACTUAL COST									
803	COMP	-2.000	MOS	G	482.766	898.423	.000		

850 NOLOSS = ON

ECONOMIC LIFE (YRS): .900
GROSS GAS (MMCF): .000
GROSS WATER (MU): .000

DATE: [illegible]
TIME: [illegible]
FILE:
PLOT: [illegible]
[illegible]
[illegible]
[illegible]

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

AS OF NOVEMBER [illegible]

-END- MO-YR	---GROSS PRODUCTION--- OIL, MBBL	GAS, MMCF	---NET PRODUCTION--- OIL, MBBL	GAS, MMCF	--PRICES-- OIL $/B	GAS $/M	NO. OF WELLS	---OPERATIONS, M$--- OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
REM.	.000	.000	.000	.000	.00	.00	0	.000	.000	.000	.000
TOTAL	[illegible]	.000	.000	.000	.00	.00	0	.000	.000	.000	.000

-END- MO-YR	---OPERATIONS, M$--- SEV+EXCISE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	---CAPITAL COSTS, M$--- TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	[illegible] PCT CUM. DISC BTAX, M$
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

DATE: [illegible]
TIME: [illegible]
FILE:
PROJ: [illegible]
STID: [illegible]
CMT: CURRENT
QUIT: [illegible]

A F T E R T A X E C O N O M I C S

AS OF NOVEMBER [illegible], [illegible]

END-MO-YR	BTAX CASH FLOW, M$	OPER. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	[illegible] PCT CUM. DISC ATAX, M$
REM.	.00	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BTAX RATE OF RETURN (PCT)	.00	ATAX RATE OF RETURN (PCT)	.00
BTAX PAYOUT	12 31 2005	ATAX PAYOUT	12 31 2005
BTAX PAYOUT (DISC)	12 31 2005	ATAX PAYOUT (DISC)	12 31 2005
BTAX NET INCOME INVEST	.00	ATAX NET INCOME INVEST	.00
BTAX NET INCOME INVEST (DISC)	.00	ATAX NET INCOME INVEST (DISC)	.00
PRODUCTION START DATE	[illegible]	PROJECT LIFE (YEARS)	-.50
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	.00
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	.000
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	.000
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

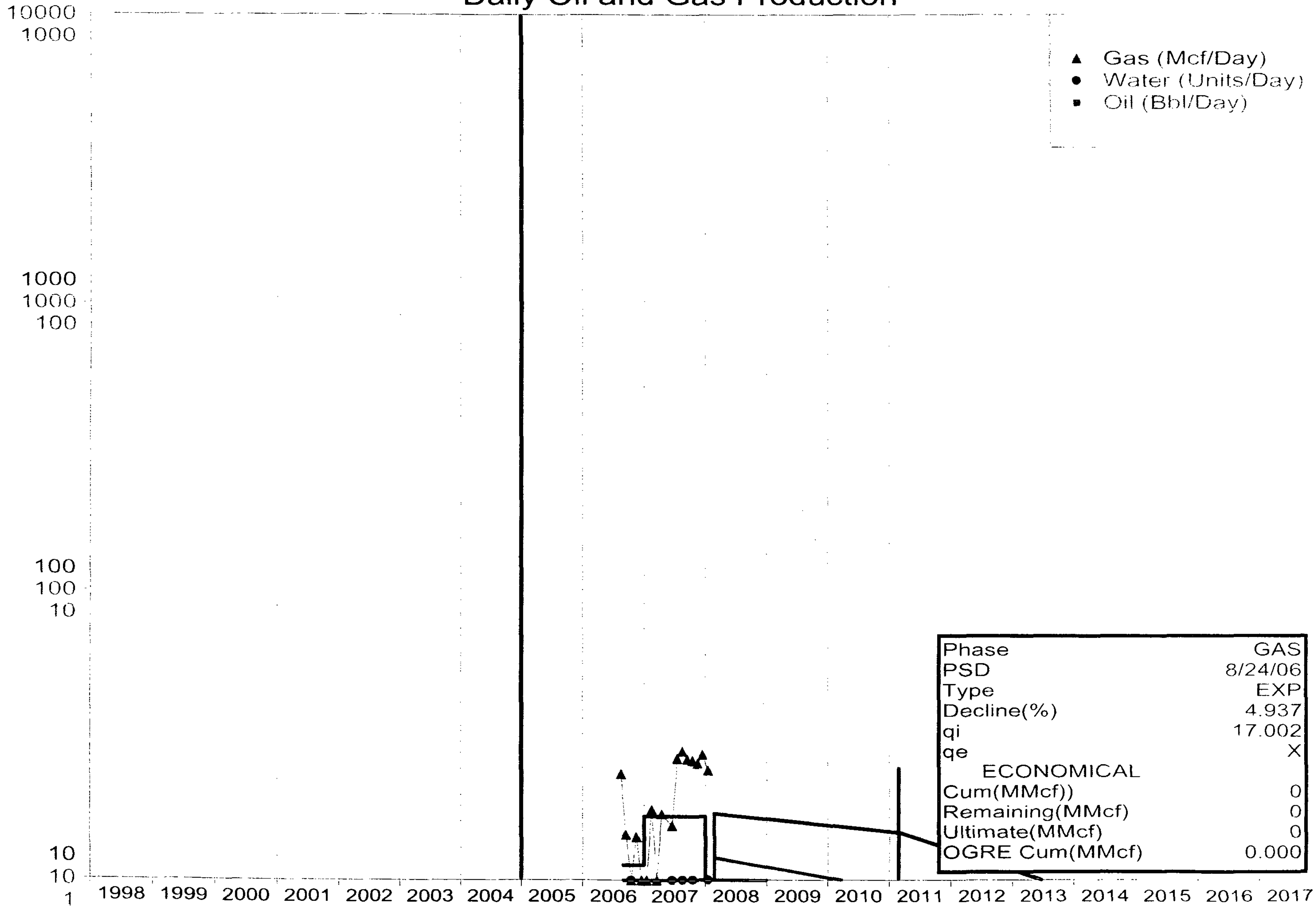
----PRESENT WORTH PROFILE-----

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	.000	.000
2.0	.000	.000
5.0	.000	.000
8.0	.000	.000
10.0	.000	.000
12.0	.000	.000
15.0	.000	.000
18.0	.000	.000
20.0	.000	.000
25.0	.000	.000
30.0	.000	.000
35.0	.000	.000
40.0	.000	.000
45.0	.000	.000
50.0	.000	.000
60.0	.000	.000
70.0	.000	.000
80.0	.000	.000
90.0	.000	.000
100.0	.000	.000

Property 4927
COMM RU 63A FTC
31 N - 4 W SEC 30 SE

Daily Oil and Gas Production

Major Phase: GAS



ROSA UNIT #63A
BASIN FRUITLAND COAL

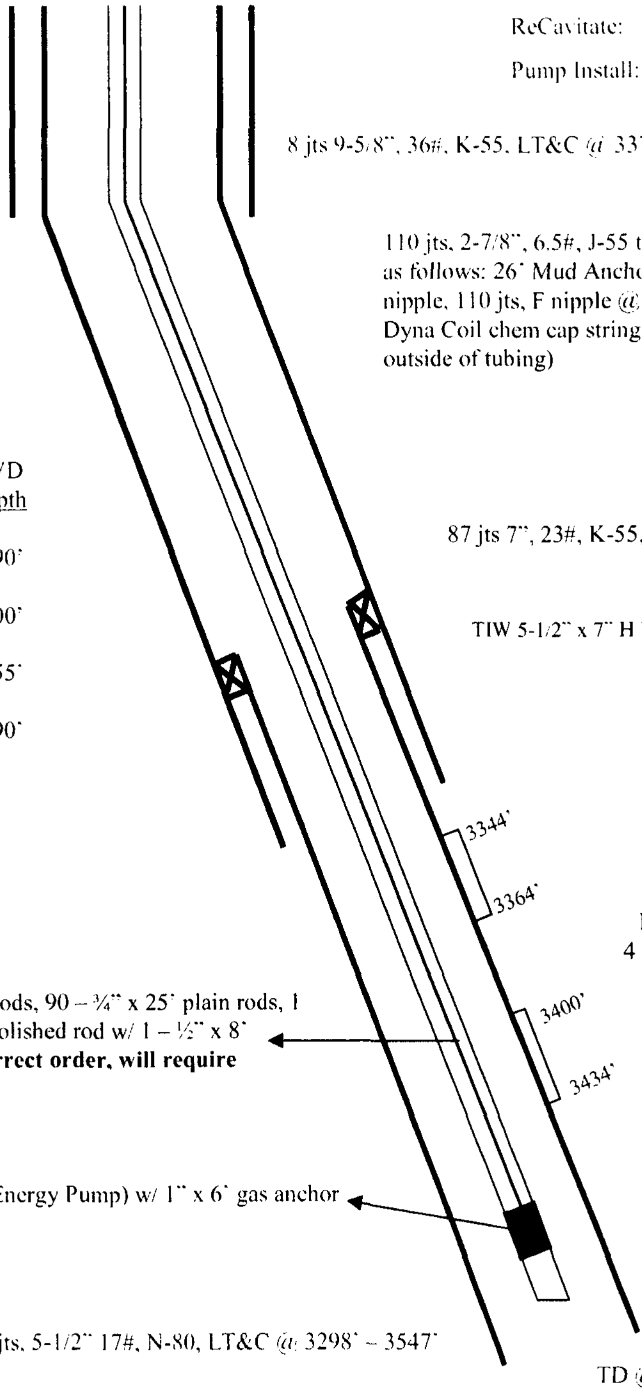
Spud:	06/19/06
Completed:	08/18/06
1st Delivered:	08/24/06
Cavitated:	10/30/06
ReCavitate:	05/22/07
Pump Install:	06/12/07

Surface Location:
1840' FSL and 1430' FEL
NW/4 SE/4 Sec 30(J), T31N, R04W
Rio Arriba, NM

Bottom Hole Location:
1656' FSL and 988' FEL
NE/4 SE/4 Sec 30(I), T31N, R04W
Rio Arriba, NM

Elevation: 6546' GR
API # 30-039-29776

Lufkin C-80DB-48RO-14



8 jts 9-5/8", 36#, K-55, LT&C @ 337'.

110 jts, 2-7/8", 6.5#, J-55 tbg @ 3502' as follows: 26' Mud Anchor, 2.28" F nipple, 110 jts, F nipple @ 3475' (190' Dyna Coil chem cap string strapped to outside of tubing)

Top	MD Depth	TVD Depth
Ojo Alamo	2830'	2790'
Kirtland	2941'	2900'
Fruitland	3197'	3155'
Base of Coal	3437'	3390'

87 jts 7", 23#, K-55, LT&C @ 3322'.

TIW 5-1/2" x 7" H Latch Lnr Hng @ ~ 3298'

Perforations:
4 spf, 0.50"EHD

Rod String: 48 – ¾" x 25' guided rods, 90 – ¾" x 25' plain rods, 1 – ¾" x 2' pony rod, 1 – ¼" x 16' polished rod w/ 1 – ½" x 8' polished rod liner **(rods not in correct order, will require pulling in future)**

Insert Pump: 2 1/2" x 1 ¼" (Energy Pump) w/ 1" x 6' gas anchor

6 jts, 5-1/2" 17#, N-80, LT&C @ 3298' – 3547'

TD @ 3547' MD

Open hole from 6-1/4" to 9-1/2" from 3346' to 3547'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	190 sxs	224 cu. Ft.	Surface
8-3/4"	7", 23#	506 sxs	1125 cu. Ft.	Surface

RML 06/15/07

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-1 TULSA, OK 74101	2 OGRID Number 120782 3 Reason for Filing Code/ Effective Date NW

4 API Number	5 Pool Name	6 Pool Code
30 – 039-29776	BASIN FRUITLAND COAL	71629
7 Property Code	**8 Property Name**	**9 Well Number**
17033	ROSA UNIT	63A

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	30	31N	4W		1840	SOUTH	1430	EAST	RIO ARRIBA

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	30	31N	4W		1656	SOUTH	988	EAST	RIO ARRIBA

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
F					

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	SEP 2006

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO.
NMSF-078777

6. IF INDIAN,ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

7. UNIT AGREEMENT NAME

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF RESVR OTHER

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY 2006 SEP 27 PM 11 23

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #63A

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254 RECEIVED

9. API WELL NO.
30-039-29776

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1840' FSL & 1430' FEL
At top production interval reported below :
At total depth: 1656' FSL & 988' FEL

10. FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA
NE/4 SE/4 SEC 30-31N-4W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	13. STATE
		RIO ARRIBA	NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
06/19/06	08/15/06	08/18/06	6546' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3341 ~~3534~~ MD / TVD 3296				x	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED
NO

28.CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" K-55	36#	337'	12-1/4"	190 SX - SURFACE	
7" K-55	23#	3322'	8-3/4"	506 SX – SURFACE	

29.LINER RECORD / 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 ⅞" J-55 6.5#	3319'	

31. PERFORATION RECORD (Interval, size, and number)

OH 3322-3534

32.ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33.PRODUCTION

OCT 2006

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
08/24/06	Flowing	Producing

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
08/21/06	3 hr	3/4"	3 hrs		26		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
5	45			209		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TO BE SOLD

TEST WITNESSED BY: MARK LEPICH

35. LIST OF ATTACHMENTS SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE September 19, 2006

ACCEPTED FOR RECORD
OCT 0 2 2006
FARMINGTON FIELD OFFICE
BY TL Salyers

NMOCD

<u>The Rosa Unit #381 Fruitland Coal Well (non-commercial) is</u> located 1000 feet from the North Line and 660 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 October 19, 2002, and completed in the Fruitland Coal formation on November 1, 2002. This is a horizontal well. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 2992' to 3999'. This well has a 2 3/8" tubing string. The well was shut in with a SICP of 94 psig. On November 1, 2002 the well was tested and after flowing for three hours through a ¾" choke on the 2 3/8" tubing, the well gauged 134 MCFD.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 0% and is therefore determined non-commercial.

Attached to this document are the following:

- OGRE economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Robert L. Goodwin III 4-16-08

Robert L. Goodwin III
Manager, Production & Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

```
OGRE(R) V2.2  BATAX                                       D A T A   R E P O R T                       DATE: 04/16/08
FILE NAME:          ( 4913)                               - - - -   - - - - - -                       TIME: 11:17:15
CASE NAME: COMM RU 381 FTC                   -381         -9OTH-RLG-            -SJB
101 ROSA UNIT # 381
102 FTC T31N-R6W-SEC. 10
103 FRUITLAND COAL RESERVOIR ,BASIN FIELD, SAN JUAN BASIN
104 RIO ARRIBA COUNTY ,NM

117 CASE NONE
120 01 2001 12 12 01 2002 8 2
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 7 0 0 0 0
134 PLATFAC ACRS 7 0 0 0 0
135 NETLND -DB200 7 0 0 0 0
136 WTRCAP -DB200 0 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
140 INFRAC -DB200 7 0 0 0 0
162 SET RPTFRM = 2

        W.I.        OP. COST    OP. COST    ADV. TAX    MAJOR     PROD  DATE
        FRACTION    ($/W/MO)    ($/MO.)     (PCT)       PH. NAME  (MO/DY/YR)
        --------    --------    --------    --------    --------  ----------
210   1.00000000         .00     1200.00       1.000    GAS       11/01/2002

        PHASE       CUM PROD    REV. INT    PRICE       SEV. TAX    NO. OF      RATIO TO
        NAME        (MUNITS)    FRACTION    ($/UNIT)    (PCT)       WELLS       MAJOR PH
        --------    --------    --------    --------    --------    --------    --------
222     GAS             .000   .84600000       5.470       9.000         1.0
224     WATER           .000   .84600000        .000        .000          .0

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

305          MAN        WATER         GAS
310         FACT        1.000       1.000
314           0.         .000        .000
315           3.      800.000    3806.000
316           3.      880.000    3259.000
317           3.      880.000    2852.000
318           3.      800.000    3088.000
319           3.      480.000    3005.000
320           3.     1200.000    2571.000
321           3.      720.000    2632.000
322           3.      720.000    3845.000
323           3.      640.000    3008.000
324           3.      960.000    2800.000
325           3.      720.000    2594.000
326           3.      160.000    1670.000
327           3.      560.000    1516.000
328           3.     1600.000    1506.000
329           3.      640.000    1535.000
330           3.         .000     526.000
331           3.         .000      51.000
332           3.         .000     605.000
333           3.         .000    3437.000
334           3.         .000    4304.000
335           2.         .000    6786.000

        PH. NAME    CURVE TP    DECLINE%    QI  RATE    QT  RATE         CUM. LIMIT          (M OR Y)         CALC VALUE
        --------    --------    --------    --------    --------    --------------------     --------    --------------------
410     GAS         EXP            4.937      41.530           X        3.000   IYRS            D
CALC    GAS         EXP      END=  4.937      41.530      35.678       10.000   YRS             D            97.586    MMCF
411     GAS         EXP           15.000    LAST               X       35.000   IYRS            D
CALC    GAS         EXP      END= 15.000      35.678        .121       45.000   YRS             D           177.443    MMCF
420     WATER       EXP            8.054       6.287           X       34.879   YRS             D
CALC    WATER       EXP      END=  8.054       6.287        .519       36.712   YRS             D            36.834    M-UNITS

600 SERIES LINES:
-----------------
602 DATA BTU : 0.949799 TO LIFE
605 DATA WATERC : 2.40 TO LIFE
628 ! CASE $ARR17_OP_POV_APR07
629 ! CASE $AREA17
630 ! EST. GATHERING PER  WFS U99 CONTRACT
630 DATA ESC1 : 0.4574 TO LIFE
632 ! SETS VARIABLE 2 EQUAL TO 1
632 DATA ESC2 : 1 TO LIFE
633 ! SETS VARIABLE 2 EQUAL TO WI
633 COMPUTE ESC2 = ESC2 * WI
634 ! SETS VARIABLE 3 EQUAL TO 1
634 DATA ESC3 : 1 TO LIFE
635 ! SETS VARIABLE 3 EQUAL TO NIG
635 COMPUTE ESC3 = ESC3 * NIG
636 ! WEIGHTING FACTOR BETWEEN WI AND NIG
636 COMPUTE ESC2 = ESC2 / ESC3
637 ! MULTIPLIES GATHERING * WEIGHTING FACTOR
637 COMPUTE ESC2 = ESC2 * ESC1
638 ! DEDUCTS BURDENED GATHERING FROM PRICE
638 COMPUTE GASP = GASP - ESC2
640 ! EST. FLU PER  WFS U99 CONTRACT
640 DATA ESC1 : 0.06049 TO LIFE
641 ! CASE 100242 RIFUELBR - RI FUELL BURDEN ALGORITHM
642 ! SETS VARIABLE 2 EQUAL TO 1
642 DATA ESC2 : 1 TO LIFE
643 ! SETS VARIABLE 2 EQUAL TO WI
643 COMPUTE ESC2 = ESC2 * WI
644 ! SETS VARIABLE 3 EQUAL TO 1
644 DATA ESC3 : 1 TO LIFE
645 ! SETS VARIABLE 3 EQUAL TO NIG
645 COMPUTE ESC3 = ESC3 * NIG
646 ! WEIGHTING FACTOR BETWEEN WI AND NIG
646 COMPUTE ESC2 = ESC2 / ESC3
647 ! MULTIPLIES FL&U * WEIGHTING FACTOR
647 COMPUTE ESC1 = ESC2 * ESC1
648 ! MAKES BURDENED FLU A NEGATIVE
648 COMPUTE ESC1 = ESC1 * -1
649 ! CREATES FLU& SHRINK FACTOR
649 COMPUTE ESC1 = ESC1 + 1
650 ! ADJUSTS GASP FOR BURDENED FLU & SHRINK
650 COMPUTE GASP = GASP * ESC1
660 DATA GASP : 1.69 UNTIL 12 1989 : 1.67 UNTIL 12 1990 : 1.26 UNTIL 12 1991 : 1.65 UNTIL 12 1992 :
661 1.89 UNTIL 12 1993 : 1.63 UNTIL 12 1994 : 1.18 UNTIL 12 1995 : 1.39 UNTIL 12 1996 :
662 1.66 UNTIL 12 1997 : 2.32 UNTIL 12 1998 : 1.86 UNTIL 12 1999 : 2.06 UNTIL 12 2000 :
663 3.53 UNTIL 12 2001 : 3.50 UNTIL 12 2002 : 4.62 UNTIL 12 2003 : 5.91 UNTIL 12 2004 :
664 8.27 UNTIL 12 2005 : 6.38 UNTIL 12 2006 : 7.03 UNTIL 12 2007 : 7.03 TO LIFE
```

698 SET IDCAMORT = IND
699 SET FEDTAX = 39
802 ! AFE COST

	INV NAME	INV. POINT		(G OR N)	TANG-M$	INTANG-M$	LSEHLD-M$	RISK FRAC	OVHD FLAG
802	DRLG	-2.000	MOS	G	44.583	425.040	.000		
803 ! AFE COST									
803	COMP	-2.000	MOS	G	66.322	73.763	.000		

850 NOLOSS = ON

ECONOMIC LIFE (YRS): 18.000
GROSS GAS (MMCF): 159.155
GROSS WATER (MU): 29.111

ROSA UNIT # 381
FTC T31N-R6W-SEC. 10
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 04/16/08
TIME: 11:17:15
FILE:
PROP: 4913
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

RESERVES AND ECONOMICS

AS OF DECEMBER 1, 2002

-END-	----GROSS PRODUCTION---		-----NET PRODUCTION----		---PRICES---			---------------OPERATIONS, M$--------------			
MO-YR	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL $/B	GAS $/M	NO. OF WELLS	OIL REVENUE	GAS REVENUE	OTHER REVENUE	TOTAL REVENUE
12-02	.000	2.537	.000	2.146	.00	3.32	1.0	.000	7.134	.000	7.134
12-03	.000	12.471	.000	10.550	.00	4.39	1.0	.000	46.294	.000	46.294
12-04	.000	12.055	.000	10.199	.00	5.61	1.0	.000	57.250	.000	57.250
12-05	.000	9.078	.000	7.680	.00	7.85	1.0	.000	60.325	.000	60.325
12-06	.000	4.106	.000	3.474	.00	6.06	1.0	.000	21.051	.000	21.051
12-07	.000	15.149	.000	12.816	.00	6.68	1.0	.000	85.574	.000	85.574
12-08	.000	14.781	.000	12.505	.00	6.68	1.0	.000	83.497	.000	83.497
12-09	.000	14.051	.000	11.887	.00	6.68	1.0	.000	79.371	.000	79.371
12-10	.000	13.358	.000	11.301	.00	6.68	1.0	.000	75.458	.000	75.458
12-11	.000	12.019	.000	10.168	.00	6.68	1.0	.000	67.893	.000	67.893
12-12	.000	10.216	.000	8.643	.00	6.68	1.0	.000	57.710	.000	57.710
12-13	.000	8.684	.000	7.347	.00	6.68	1.0	.000	49.057	.000	49.057
12-14	.000	7.381	.000	6.244	.00	6.68	1.0	.000	41.692	.000	41.692
12-15	.000	6.275	.000	5.309	.00	6.68	1.0	.000	35.449	.000	35.449
12-16	.000	5.333	.000	4.512	.00	6.68	1.0	.000	30.127	.000	30.127
12-17	.000	4.533	.000	3.835	.00	6.68	1.0	.000	25.607	.000	25.607
12-18	.000	3.853	.000	3.260	.00	6.68	1.0	.000	21.767	.000	21.767
12-19	.000	3.275	.000	2.771	.00	6.68	1.0	.000	18.502	.000	18.502
S TOT	.000	159.155	.000	134.647	.00	6.41	1.0	.000	863.758	.000	863.758
REM.	.000	.000	.000	.000	.00	.00	1.0	.000	.000	.000	.000
TOTAL	.000	159.155	.000	134.647	.00	6.41	1.0	.000	863.758	.000	863.758

-END-	----------------OPERATIONS, M$----------------				------------CAPITAL COSTS, M$------------					8.00 PCT
MO-YR	SEVERANCE TAXES	AD VAL TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	CASH FLOW BTAX, M$	CUM. DISC BTAX, M$
12-02	.642	.065	3.679	2.748	110.905	498.803	.000	.000	-606.960	-618.805
12-03	4.166	.421	21.953	19.754	.000	.000	.000	.000	19.754	-599.918
12-04	5.153	.521	22.145	29.431	.000	.000	.000	.000	29.431	-573.863
12-05	5.429	.549	20.222	34.125	.000	.000	.000	.000	34.125	-545.891
12-06	1.895	.192	20.225	-1.261	.000	.000	.000	.000	-1.261	-546.848
12-07	7.702	.779	14.400	62.693	.000	.000	.000	.000	62.693	-502.790
12-08	7.515	.760	19.682	55.540	.000	.000	.000	.000	55.540	-466.650
12-09	7.143	.722	19.258	52.248	.000	.000	.000	.000	52.248	-435.170
12-10	6.791	.687	18.866	49.114	.000	.000	.000	.000	49.114	-407.771
12-11	6.110	.618	18.506	42.659	.000	.000	.000	.000	42.659	-385.735
12-12	5.194	.525	18.175	33.816	.000	.000	.000	.000	33.816	-369.561
12-13	4.415	.446	17.870	26.326	.000	.000	.000	.000	26.326	-357.902
12-14	3.752	.379	17.592	19.969	.000	.000	.000	.000	19.969	-349.714
12-15	3.190	.323	17.335	14.601	.000	.000	.000	.000	14.601	-344.170
12-16	2.711	.274	17.098	10.044	.000	.000	.000	.000	10.044	-340.639
12-17	2.305	.233	16.882	6.187	.000	.000	.000	.000	6.187	-338.625
12-18	1.959	.198	16.680	2.930	.000	.000	.000	.000	2.930	-337.742
12-19	1.665	.168	16.498	.171	.000	.000	.000	.000	.171	-337.694
S TOT	77.737	7.860	317.066	461.095	110.905	498.803	.000	.000	-148.613	-337.694
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	-337.694
TOTAL	77.737	7.860	317.066	461.095	110.905	498.803	.000	.000	-148.613	-337.694

ROSA UNIT # 381
FTC T31N-R6W-SEC. 10
FRUITLAND COAL RESERVOIR ,BASIN FIELD, S
RIO ARRIBA COUNTY ,NM

DATE: 04/16/08
TIME: 11:17:15
FILE:
PROP: 4913
STID: COMMSJB
.CMD: CURRENT:
.OUT: SAMPLE

A F T E R   T A X   E C O N O M I C S

AS OF DECEMBER 1, 2002

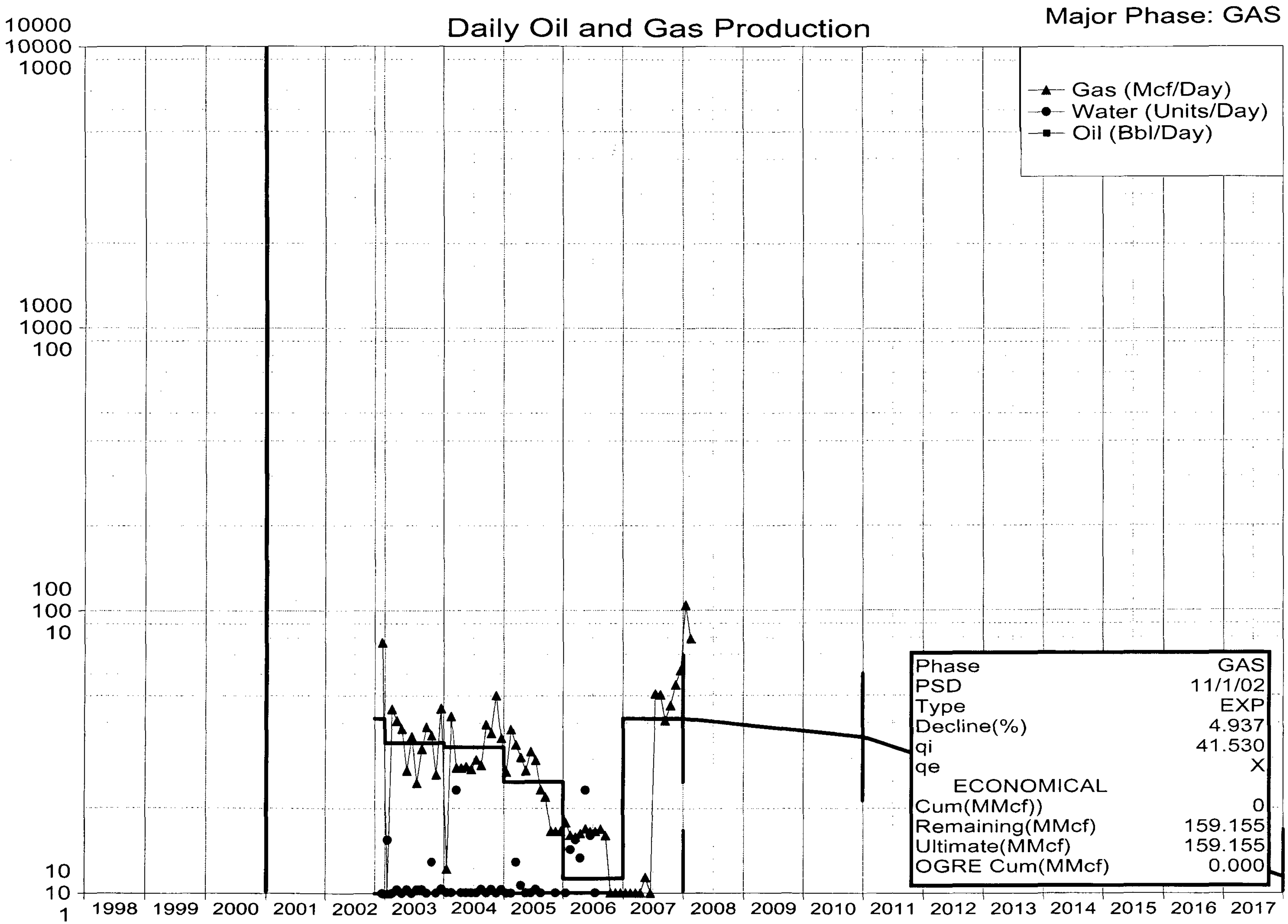
-END- MO-YR	OPER CASH FLOW, M$	DEPR. EXP., M$	DEPL. EXP., M$	INTANG. EXP., M$	INTEREST EXP., M$	TAXABLE INCOME M$	TAX CREDIT M$	TAXES PAYABLE M$	CASH FLOW ATAX, M$	8.00 PCT CUM. DISC ATAX, M$
12-02	2.748	10.562	.000	498.803	.000	-506.617	.000	-197.581	-409.379	-421.224
12-03	19.754	28.670	.000	.000	.000	-8.916	.000	-3.477	23.231	-399.013
12-04	29.431	20.478	.000	.000	.000	8.953	.000	3.492	25.939	-376.050
12-05	34.125	14.627	.000	.000	.000	19.498	.000	7.604	26.521	-354.311
12-06	-1.261	10.448	.000	.000	.000	-11.709	.000	-4.567	3.306	-351.802
12-07	62.693	9.795	.000	.000	.000	52.898	.000	20.630	42.063	-322.242
12-08	55.540	9.795	.000	.000	.000	45.745	.000	17.841	37.699	-297.711
12-09	52.248	6.530	.000	.000	.000	45.718	.000	17.830	34.418	-276.974
12-10	49.114	.000	.000	.000	.000	49.114	.000	19.154	29.960	-260.260
12-11	42.659	.000	.000	.000	.000	42.659	.000	16.637	26.022	-246.818
12-12	33.816	.000	.000	.000	.000	33.816	.000	13.188	20.628	-236.952
12-13	26.326	.000	.000	.000	.000	26.326	.000	10.267	16.059	-229.840
12-14	19.969	.000	.000	.000	.000	19.969	.000	7.788	12.181	-224.845
12-15	14.601	.000	.000	.000	.000	14.601	.000	5.694	8.907	-221.463
12-16	10.044	.000	.000	.000	.000	10.044	.000	3.917	6.127	-219.309
12-17	6.187	.000	.000	.000	.000	6.187	.000	2.413	3.774	-218.081
12-18	2.930	.000	.000	.000	.000	2.930	.000	1.143	1.787	-217.542
12-19	.171	.000	.000	.000	.000	.171	.000	.067	.104	-217.513
S TOT	461.095	110.905	.000	498.803	.000	-148.613	.000	-57.960	-90.653	-217.513
REM.	.000	.000	.000	.000	.000	.000	.000	.000	.000	-217.513
TOTAL	461.095	110.905	.000	498.803	.000	-148.613	.000	-57.960	-90.653	-217.513

BTAX RATE OF RETURN (PCT)	.00	ATAX RATE OF RETURN (PCT)	.00
BTAX PAYOUT	LIFE	ATAX PAYOUT	LIFE
BTAX PAYOUT (DISC)	LIFE	ATAX PAYOUT (DISC)	LIFE
BTAX NET INCOME/INVEST	.76	ATAX NET INCOME/INVEST	.85
BTAX NET INCOME/INVEST (DISC)	.46	ATAX NET INCOME/INVEST (DISC)	.65
PRODUCTION START DATE	11/01/02	PROJECT LIFE (YEARS)	18.00
MONTHS IN FIRST LINE	12.00	DISCOUNT RATE (PCT)	8.00
GROSS WELLS	1.00	PRIOR DEPL. BASIS (M$)	.000
		PRIOR DEPR. BASIS (M$)	.000
MAX. OIL PRICE ($/B)	.00	MAX. GAS PRICE ($/M)	7.85
GROSS OIL WELLS	.00	GROSS GAS WELLS	1.00
CUMULATIVE OIL (MBBL)	.000	CUMULATIVE GAS (MMCF)	.000
REMAINING OIL (MBBL)	.000	REMAINING GAS (MMCF)	159.155
ULTIMATE OIL (MBBL)	.000	ULTIMATE GAS (MMCF)	159.155
INITIAL W.I. FRACTION	1.00000000	FINAL W.I. FRACTION	1.00000000
INITIAL NET OIL FRACTION	.00000000	FINAL NET OIL FRACTION	.00000000
INITIAL NET GAS FRACTION	.84600000	FINAL NET GAS FRACTION	.84600000

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

DISC RATE	PW OF NET BTAX, M$	PW OF NET ATAX, M$
.0	-148.613	-90.653
2.0	-208.428	-130.304
5.0	-280.862	-178.854
8.0	-337.694	-217.513
10.0	-369.018	-239.096
12.0	-396.182	-258.014
15.0	-430.656	-282.356
18.0	-459.211	-302.863
20.0	-475.644	-314.843
25.0	-509.772	-340.215
30.0	-536.577	-360.728
35.0	-558.285	-377.812
40.0	-576.347	-392.407
45.0	-591.731	-405.143
50.0	-605.107	-416.464
60.0	-627.561	-436.013
70.0	-646.106	-452.670
80.0	-662.059	-467.344
90.0	-676.183	-480.577
100.0	-688.971	-492.712

Property 4913
COMM RU 381 FTC
31 N - 6 W SEC 11 SWNW



ROSA UNIT #381
BASIN FRUITLAND COAL

Spud date: 10/19/02

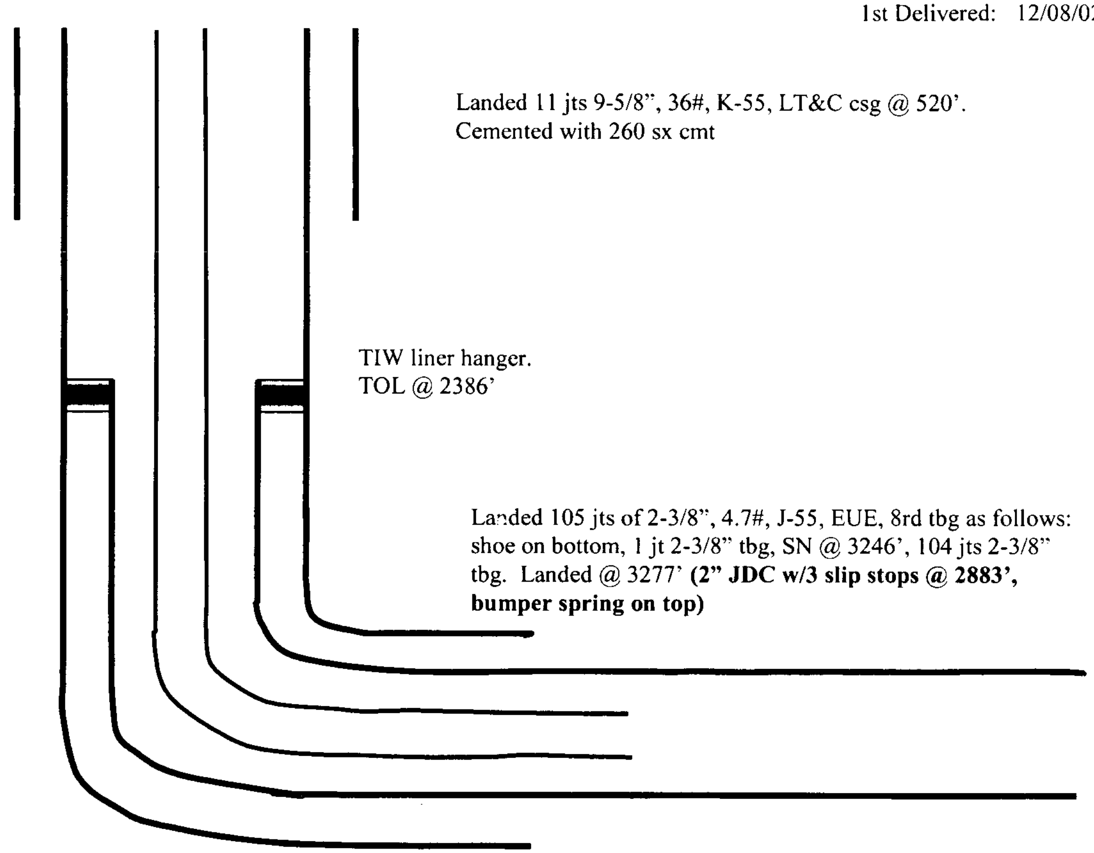
Completed: 11/01/02

1st Delivered: 12/08/02

Location:
SHL: 1425' FNL and 495' FWL
SW/4 NW/4 Sec 11(E), T31N, R06W
BHL: 1000' FNL and 660' FEL
NE/4 NE/4 Sec 10(A), T31N, R06W
Rio Arriba, New Mexico

Elevation: 6308' GR
API # 30-039-27041

Top	Depth
Ojo Alamo	2368'
Kirtland	2468'
Fruitland	2950'
Base of Coal	3278'



Landed 11 jts 9-5/8", 36#, K-55, LT&C csg @ 520'.
Cemented with 260 sx cmt

TIW liner hanger.
TOL @ 2386'

Landed 105 jts of 2-3/8", 4.7#, J-55, EUE, 8rd tbg as follows: shoe on bottom, 1 jt 2-3/8" tbg, SN @ 3246', 104 jts 2-3/8" tbg. Landed @ 3277' **(2" JDC w/3 slip stops @ 2883', bumper spring on top)**

TD @ 4100'
PBTD @ 3887'

Landed 72 jts 7", 20#, K-55, ST&C csg @ 3280'. Float @ 3235'. Cemented with 575 sx cmt.

Landed 62 jts 4-1/2", K-55, ST&C csg as follows: 25 jts, 11.5# perforated csg (1007.33') & 13 jts of 10.5# non-perforated csg (599.19'). Total liner = 1614.41'. Set liner @ 4000'. Did not cement

Perforated csg

2992' - 3999'

24 (0.50") holes/ft

Hole Size	Casing	Cement	Volume	Top of CMT
12-1/4"	9-5/8",36#	260 sx	364 cu ft.	surface
8-3/4"	7", 20#	575 sx	1094 cu ft.	surface
6-1/4"	4-1/2",10.5#	Did Not Cmt	N/A	N/A

TR 12/12/02

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 25-1 TULSA, OK 74101	120782
	[3] Reason for Filing Code/ Effective Date NW

[4] API Number	[5] Pool Name	[6] Pool Code
30 – 039-27041	BASIN FRUITLAND COAL	71629
[7] Property Code	[8] Property Name	[9] Well Number
17033	ROSA UNIT	381 (Horizontal)

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	11	31N	6W		1425	NORTH	495	WEST	RIO ARRIBA

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	10	31N	6W		1000	NORTH	660	EAST	RIO ARRIBA

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267	2833289	O	
025244	WILLIAMS FIELD SERVICES ATTN: VAN JOHNSON P O BOX 645 TULSA, OK 74102	2833290	G	

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
283329	

V. Well Completion Data

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SUBMIT IN DUPLICATE
(See other instructions on reverse side)
2002 NOV -6 AM 11:23

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

070 Farmington, NM

5. LEASE DESIGNATION AND LEASE NO. NMSF078765
6. IF INDIAN,ALLOTTEE OR
7. UNIT AGREEMENT NAME

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

b. TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF.RESVR. OTHER

2. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.: ROSA UNIT #381

3. ADDRESS AND TELEPHONE NO.: P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.: 30-039-27041

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1425' FNL & 495' FWL SEC 11-T31N-R6W
At top production interval reported below :
At total depth: 1000' FNL & 660' FEL SEC 10-T31N-R6W

10. FIELD AND POOL, OR WILDCAT: BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA: SW/4 NW/4 SEC 11-31N-6W

14. PERMIT NO.
DATE ISSUED

12. COUNTY OR: RIO ARRIBA
13. STATE: NEW MEXICO

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
10/19/2002	11/01/2002	11/01/2002	6308' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
4100' MD	3887' MD			x	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 2992' – 3999'

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED: NO

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" K-55	36#	520'	12-1/4"	260 SX - SURFACE	
7" K-55	20#	3280'	8-3/4"	575 SX – SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-1/2"	2386'	4000'	0 SX	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	3277'	

31. PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal: 2992' – 3999'.
24 shots per foot (0.50")

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2992' – 3999'	Well was not stimulated

33. PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
	Flowing	SI waiting on pipeline

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO
11/01/02	3 hr	3/4"	3 hrs		17		

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL – BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
10	94			134		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Production Analyst DATE November 4, 2002

ACCEPTED FOR RECORD
NOV 0 8 2002
FARMINGTON FIELD OFFICE
BY

NMOCD