



February 9, 2010

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 Dakota Formation
San Juan and Rio Arriba Counties, New Mexico
NOTICE OF COMPLETION OF COMMERCIAL AND NON-
COMMERCIAL WELLS

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 #146B, #188C, and #14C are capable of producing unitized substances in paying quantities from the Dakota Formation and the #186, #184C, & #22B are not capable of producing unitized substances in paying quantities from the Dakota Formation.

WELL DATA

The Rosa Unit #146B Dakota Well (commercial) is located 1980 feet from the South Line and 800 feet from the West Line, Section 28 Township 31 North, Range 05 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on July 15, 2007, and completed in the Dakota formation on October 9, 2007. The Dakota formation was completed with a pre-perforated liner between the following depths:

7983' to 8072'

This well has a 2 1/16" tubing string. This well was shut in with a SICP of 1858 psig. On September 24, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 1/16" tubing, the well gauged 175 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 15% and is therefore determined commercial.

Attached to this document are the following:

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

The Rosa Unit #188C Dakota Well (commercial) is located 880 feet from the South Line and 2450 feet from the West line, Section 34, T31N R5W, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on August 30, 2007 and completed in the Dakota formation on November 4, 2007. The Dakota formation was completed with a pre-perforated liner between the following depths:

8172' to 8266'

This well has a 2 1/16" tubing string. This well was shut in with a SICP of 2152 psig. On October 23, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 1/16" tubing, the well gauged 480 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 22% and is therefore determined commercial.

Attached to this document are the following:

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

The Rosa Unit #14C Dakota Well (commercial) is located 2505 feet from the North Line and 895 feet from the East Line, Section 23, T31N R6W, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on October 6, 2007 and completed in the Dakota formation on November 29, 2007. The Dakota formation was completed with a pre-perforated liner between the following depths:

7796' to 7894'

This well has 2 1/16" tubing string. This well was shut in with a SICP of 655 psig. On November 28, 2007 the well was tested and after flowing for 1.5 hours through a 2" choke on the 2 1/16" tubing, the well gauged 190 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 13% and is therefore determined commercial.

Attached to this document are the following:

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

The Rosa Unit #186 Dakota Well (non-commercial) is located 1660 feet from the North Line and 930 feet from the West Line, Section 27, T31N R5W, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on August 1, 2007 and completed in the Dakota formation on October 10, 2007. The Dakota formation was completed with a pre-perforated liner between the following depths:

8302' to 8402'

This well has 2 1/16" tubing string. This well was shut in with a SICP of 1930 psig. On September 25, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 1/16" tubing, the well gauged 200 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:

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

The Rosa Unit #184C Dakota Well (non-commercial) is located 845 feet from the North Line and 2525 feet from the East Line, Section 34, T31N R5W, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on September 17, 2007 and completed in the Dakota formation on November 5, 2007. The Dakota formation was completed with a pre-perforated liner between the following depths:

8298' to 8392'

This well has 2 1/16" tubing string. This well was shut in with a SICP of 0 psig. On October 24, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 1/16" tubing, the well gauged 175 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:

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

The Rosa Unit #22B Dakota Well (non-commercial) is located 900 feet from the North Line and 1330 feet from the East Line, Section 18, T31N R5W, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on October 10, 2007 and completed in the Dakota formation on December 2, 2007. The Dakota formation was completed with a pre-perforated liner between the following depths:

8206' to 8282'

This well has 2 1/16" tubing string. This well was shut in with a SICP of 0 psig. On November 19, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 1/16" tubing, the well gauged 158 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 commercial.

Attached to this document are the following:

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

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.

This information is also being sent to the Rosa Unit working interest owners on the attached sheet.

Sincerely,



Kris Russell
Land Data Technician Sr
Williams Production Company, LLC
P.O. Box 3102
Tulsa, OK 74101
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

APROVED _____ DATE _____

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

The forgoing is the approval of Notice of Completion of Commercial wells for the Rosa #146B, #188C, #14C, and on the non-commercial wells #186, #184C, & #22B Dakota formation wells.

ROSA UNIT WORKING INTEREST OWNERS DO NOT USE OLD

AMOCO PRODUCTION COMPANY
ATTN: HILARY SEARLES
P O BOX 800
DENVER, CO 80201

MR. FRANK A SCHULTZ
LINCOLN PLAZA, #2160 LO-1
500 NORTH ARARD
DALLAS, TX 75606-4079

MS. ELIZABETH T. CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

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

COASTAL OIL & GAS CORPORATION
ATTN: BART VALLS
P O BOX 719
BELLAIRE, TX 77402-0719

CROSS TIMBERS OIL COMPANY
ATTN: EDWIN S. RYAN, JR.
810 HOUSTON ST, STE 2000
FORT WORTH, TX 76102-6298

MR. J. GLENN TURNER, JR. LLC
3131 TURTLE CREEK BLVD.
#1201
DALLAS, TX 57219

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

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

MR. JOHN TURNER
P O BOX 33610
KERRVILLE, TX 78029-3610

MS. PATRICIA PENROSE SCHIEFFER, TRUSTEE
ATTN: J. THOMAS SCHIEFFER
1000 BALLPARK WAY, #300
ARLINGTON, TX 76102

THE WISER OIL COMPANY
ATTN: LAURIE BLOCK
8115 PRESTON ROAD, #400
DALLAS, TX 75225

VIRGINIA WEBB PAYNE
8226 DOUGLAS AVENUE, SUITE 709
DALLAS, TX 75225-5929

PHILLIPS PETROLEUM CO.
ATTN: S. SCOTT PRATHER
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

MALLON OIL COMPANY
999 18th STREET, SUITE 1700
DENVER, CO 80202

January 21, 2010

The Rosa Unit #146B Dakota Well (commercial) is located 1980 feet from the South Line and 800 feet from the West Line, Section 28 Township 31 North, Range 05 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 15, 2007, and completed in the Dakota formation on October 9, 2007. The Dakota formation was completed with a pre-perforated liner between the following depths: 7983' to 8072'. This well has a 2 1/16" tubing string. This well was shut in with a SICP of 1858 psig. On September 24, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 1/16" tubing, the well gauged 175 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 15% and is therefore determined commercial.

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- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

Evaluating Engineer

Marcia Brueggenjohann
Manager, Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

10

100

1000

Daily Gas, Mcf/day

1

10

100

Avg Gas, Mcf/day

06

07

08

09

10

11

12

13

14

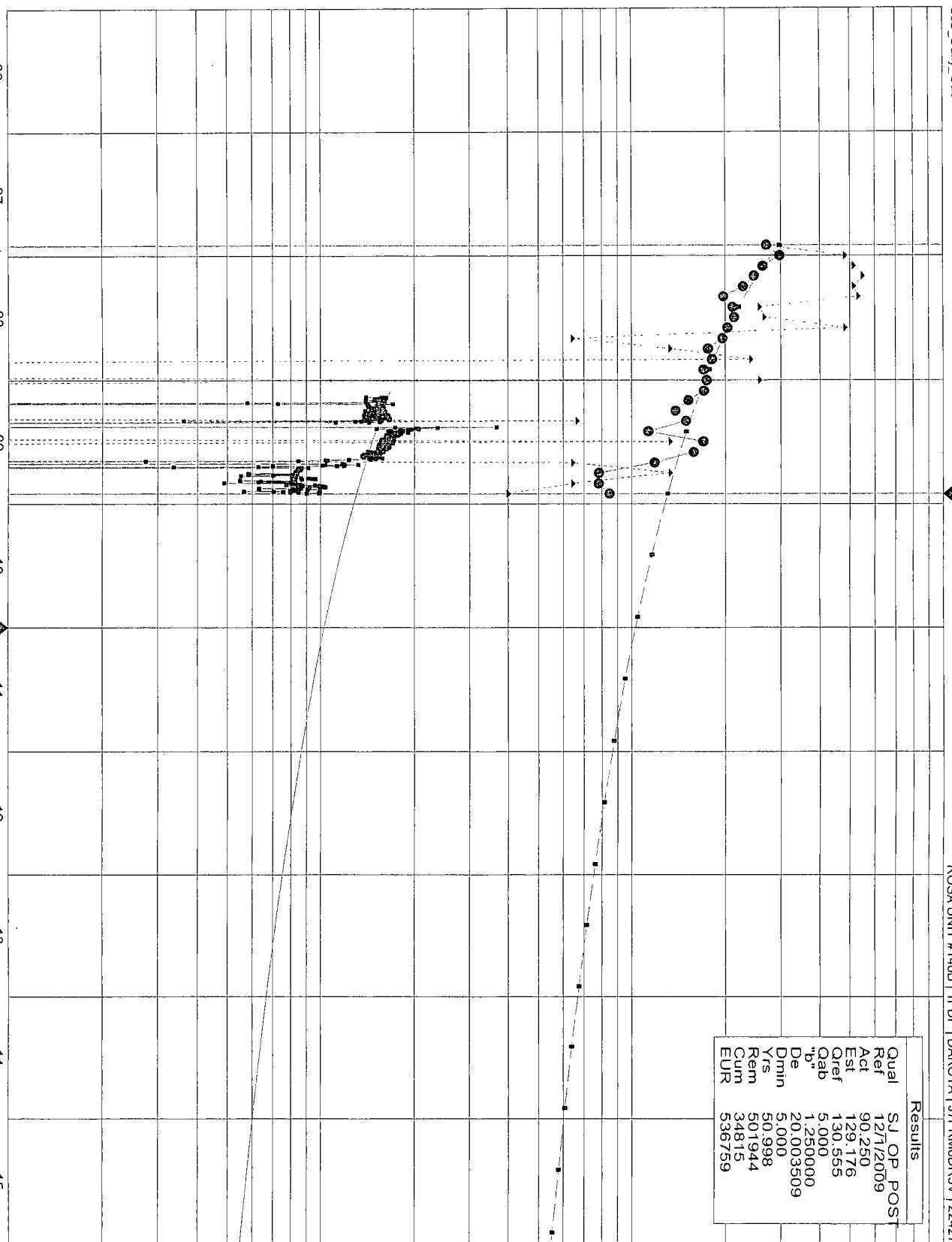
15

0.1

1

Avg Water, Bbl/day

0.01



Rosa Unit #146B DK economic output.txt

PropID:	22427 RSV CAT:	1PDP	Date:	01/21/2010					
Well Name:	ROSA UNIT #146B	Time:	13:56:56						
Field:	BASIN	DBS:	SJB						
Cnty:	RIO ARRIBA	St:	NM						
Settings:	SETDATA_JCM								
Reservoir:	DAKOTA	Scenario:	SJB-OP-PostAudit						
Operator:	WPC	C O M B I N E D I N P U T D A T A			I N I				
T I A L C A L C U L A T E D D A T A									
KEYWORD &	-----								
Ref. Code	Beginning, Deff	Ending Init.	Rates Init.	Schedule Final	Limit	Method & Value	ultimate		
@ End Pt.	5/2022	40.2300	X	5.00 M/D	1092.				
400 START	12/2007								
401 GAS	298.00	X	M/D	5.00 EXP		B/1.2500	40.23		
550.535	5/2022	40.2300	X	9064.	1092.				
402 "	X	5.00	M/D	X	YRS	EXP	5.00		
770.529	11/2060	5.0000	X	1092.	152.				
500 PRI/GAS	01/2007	5.617	6.487	6.677	5.957	#/M			
4/2007	X	6.627	6.827	6.197	4.987	#/M			
501 "	8/2007	X	4.587	5.117	6.057	6.497	#/M		
502 "	12/2007	X	01/2008	6.377	7.277	8.087	8.277	#/M	
503 "	4/2008	X	9.427	9.846	11.356	7.637	#/M		
504 "	8/2008	X	6.427	4.267	2.837	4.627	#/M		
505 "	12/2008	X	01/2009	4.827	3.107	2.687	2.617	#/M	
506 "	4/2009	X	2.497	2.647	2.977	3.177	#/M		
507 "	8/2009	X	2.467	3.417	4.257	4.679	#/M		
508 "	12/2009	X	01/2010	5.72	#/M				
509 "	1/2010	X	5.72	5.720	\$/M	TO	LIFE	PC	0.00
510 "	11/2060	X	5.720	5.720					
600 ATX	2.10	X	0.021	%	TO	0.021	LIFE	PC	0.00
11/2060									
601 STX/GAS	9.00	X	0.090	%	TO	0.090	LIFE	PC	0.00
11/2060									
602 OPC/T	750.00	X	750.000	\$/M	TO	750.000	LIFE	PC	0.00
11/2060									
705 LSE/WI	1.0000	D	1.000	FRAC	TO	1.000	LIFE	FLAT	0.00
11/2060									

Rosa Unit #146B DK economic output.txt
 720 NET/OIL 0.8650 D FRAC TO LIFE FLAT 0.00
 11/2060 0.865 0.865 0.865
 740 NET/GAS 0.8650 D FRAC TO LIFE FLAT 0.00
 11/2060 0.865 0.865 0.865

OVERLAYS @ End Pt.	Beginning, Defn. Init.	Ending Init. Rate	Rates	Schedule	Limit	Method & value	ultimate
			Final				
901 S 92 11/2060	S/95	X	FRAC	TO	LIFE	DIV	146.00
903 S /89 11/2060	0.54	X	FRAC	TO	LIFE	MUL	92.00
905 S /89 11/2060	0.98	X	FRAC	TO	LIFE	MUL	89.00
907 S /196 11/2060	S/196	X	FRAC	TO	LIFE	MINUS	89.00
909 S /92 11/2060	S/95	X	FRAC	TO	LIFE	DIV	146.00
911 S /88 11/2060	0.06	X	FRAC	TO	LIFE	MUL	92.00
913 S /88 11/2060	1.00	X	FRAC	TO	LIFE	MINUS	88.00
915 S /196 11/2060	S/196	X	FRAC	TO	LIFE	MUL	88.00

916 GAS 01/2007 0 0 0 0 0 0 0 0 0 8126 9245 8180 7173 #
 163.142 2/2008 X 7071 5926 6560 6410 6308 6079 5287 5623 5122 5415 #
 222.943 12/2008 X 5304 4267 4294 4494 3504 5104 4911 3666 2349 2421 #
 263.257 10/2009 X 2541 #
 919 " X 2541 #
 265.798 11/2009

INVESTMENTS T&I	Tangible Month	Intang Risk Inv.	Units Tot.	Invest. T&I&R	Point Esc.	Method & value	Total
800 CAPITAL 809.814	12/2007	161.96 0	647.85 809.8	M\$G 0.0	12/2007 AD	ESC INV	

MISCELLANEOUS DATA PARAMETERS

201 BTU	0.98		
202 WELLS	0.00	1.00	
203 CUMO, MB	0.00	CUMG, MMF	130.42
250 LOSS	NO		CUML, MB

PROJECT RUN SETTINGS

Base Date : 01/2000	Time Frames : 64*12		
P.W. Date : 01/2007	Primary Pw% : 10.0	Discount Freq. :	MID
Report Date : 01/2007			
Qualifiers : Prod = SJ_OP_POST	Price = SJ_OP_POST	Cost = SJ_OP_POST	
Owner = SJ_OP_POST	Misc = BASE		Invest = SJ_OP_POST
Title = BASE			
Overlay = SJ_OP_POST			

Rosa Unit #146B DK economic output.txt
 PropID: 22427 RSV CAT: 1PDP
 DATE : 01/21/20

10
 Well Name: ROSA UNIT #146B
 TIME : 13:56:56
 Field: BASIN
 DBS : SJB
 Cnty: RIO ARRIBA St: NM
 SETTINGS : SETDATA_JCM
 Reservoir: DAKOTA
 SCENARIO : SJB-OP-PostAudit
 Operator: WPC

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

S

EFFECTIVE DATE: 01/2007

-----PRICES-----

MO~YEAR	OPERATIONS, M\$-----			---NET PRODUCTION---			-----PRICES-----		
	OIL REVENUE	GROSS PRODUCTION--		OIL, MBB	GAS, MMC	\$/B	OIL	GAS	NO. OF WELLs
OIL GAS OTHER	REVENUE								
01~2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
02~2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
03~2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
04~2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
05~2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
06~2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
07~2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
08~2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
09~2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
10~2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
11~2007	0.000	8.126	0.000	0.000	0.000	0.00	0.000	0.000	1.0
0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	1.0
12~2007	0.000	9.245	0.000	0.000	7.997	0.00	5.364	0.000	1.0
0.000	42.898	0.000	0.000	0.000	0.000	0.00	0.000	0.000	1.0
01~2008	0.000	8.180	0.000	7.076	0.00	5.255	0.000	0.000	1.0
0.000	37.181	0.000	0.000	0.000	0.000	0.00	0.000	0.000	1.0
02~2008	0.000	7.173	0.000	6.205	0.00	6.077	0.000	0.000	1.0
0.000	37.707	0.000	0.000	0.000	0.000	0.00	0.000	0.000	1.0
03~2008	0.000	7.071	0.000	6.116	0.00	6.818	0.000	0.000	1.0
0.000	41.699	0.000	0.000	0.000	0.000	0.00	0.000	0.000	1.0
04~2008	0.000	5.926	0.000	5.126	0.00	6.991	0.000	0.000	1.0
0.000	35.837	0.000	0.000	0.000	0.000	0.00	0.000	0.000	1.0
05~2008	0.000	6.560	0.000	5.674	0.00	8.042	0.000	0.000	1.0
0.000	45.635	0.000	0.000	0.000	0.000	0.00	0.000	0.000	1.0
06~2008	0.000	6.410	0.000	5.545	0.00	8.425	0.000	0.000	1.0

Rosa Unit #146B DK economic output.txt							
0.000	46.714	0.000					
07-2008	0.000	6.308	0.000	5.456	0.00	9.805	1.0
0.000	53.501	0.000					
08-2008	0.000	6.079	0.000	5.258	0.00	6.406	1.0
0.000	33.686	0.000					
S TOT	0.000	71.078	0.000	54.453	0.00	6.884	1.0
0.000	374.858	0.000					
AFTER	0.000	552.973	0.000	478.322	0.00	4.425	1.0
0.000	2116.511	0.000					
TOTAL	0.000	624.051	0.000	532.775	0.00	4.676	1.0
0.000	2491.369	0.000					

-----OPERATIONS, M\$----- -----CAPITAL							
COSTS, M\$-----	SEVERANCE	AD VAL	NET	OPER	OPERATION	TANGIBLE	INTANG.
--END--	SALVAGE	TOTAL	CASH	FLOW	CUM.	DISC	
MO-YEAR	TAXES	TAXES			EXPENSES	CASH FLOW	INV.
VALUE	EQUITY	INV	BTAX,	M\$	BTAX,	M\$	INV.
-----	-----	-----	-----	-----	-----	-----	-----

01-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-2007	3.861	0.820	0.750	37.468	161.963	647.851	
0.000	809.814	-772.346	-707.868				
01-2008	3.346	0.711	0.750	32.374	0.000	0.000	0.000
0.000	0.000	32.374	-678.554				
02-2008	3.394	0.721	0.750	32.843	0.000	0.000	0.000
0.000	0.000	32.843	-649.050				
03-2008	3.753	0.797	0.750	36.399	0.000	0.000	0.000
0.000	0.000	36.399	-616.611				
04-2008	3.225	0.685	0.750	31.177	0.000	0.000	0.000
0.000	0.000	31.177	-589.046				
05-2008	4.107	0.872	0.750	39.905	0.000	0.000	0.000
0.000	0.000	39.905	-554.042				
06-2008	4.204	0.893	0.750	40.867	0.000	0.000	0.000
0.000	0.000	40.867	-518.478				
07-2008	4.815	1.022	0.750	46.914	0.000	0.000	0.000
0.000	0.000	46.914	-477.975				

		Rosa Unit #146B	DK economic output.txt				
08-2008 0.000	3.032 0.000	0.644 29.261	0.750 -452.912	29.261	0.000	0.000	0.000
S TOT 0.000	33.737 809.814	7.164 -482.607	6.750 -452.912	327.207	161.963	647.851	
AFTER 0.000	190.486 0.000	40.447 1471.579	414.000 152.669	1471.579	0.000	0.000	0.000
TOTAL 0.000	224.223 809.814	47.610 988.972	420.750 152.669	1798.786	161.963	647.851	

□ PropID: 22427 RSV CAT: 1PDP
DATE : 01/21/20

10
Well Name: ROSA UNIT #146B
TIME : 13:56:56

Field: BASIN
DBS : SJB

Cnty: RIO ARRIBA St: NM
SETTINGS : SETDATA_JCM

Reservoir: DAKOTA
SCENARIO : SJB-OP-PostAudit

Operator: WPC

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

EFFECTIVE DATE: 01/2007

MO-YEAR	10.0%			INTANG.	INTEREST	TAXABLE	TAX	
	TAXABLE		DEPRECIA-					DEPLETION
	TAXES	CASH FLOW	CUM.					DISC
PAYABLE	ATAX	ATAX		EXPENSED	PAID & CAP	INCOME	CREDIT	
M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	
01-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
02-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
03-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
04-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
05-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
06-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
07-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
08-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
09-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
10-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
11-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
12-2007 0.000	37.468	23.128	0.000	647.851	0.000	-633.512		
01-2008 32.374	-221.729	-550.617	-505.494	0.000	0.000	29.068		

Rosa Unit #146B DK economic output.txt

0.000	10.174	22.200	-485.392	0.000	0.000	29.537
02-2008	32.843	3.305	0.000	0.000	0.000	
0.000	10.338	22.505	-465.176	0.000	0.000	33.094
03-2008	36.399	3.305	0.000	0.000	0.000	
0.000	11.583	24.816	-443.059	0.000	0.000	27.871
04-2008	31.177	3.305	0.000	0.000	0.000	
0.000	9.755	21.422	-424.119	0.000	0.000	36.600
05-2008	39.905	3.305	0.000	0.000	0.000	
0.000	12.810	27.095	-400.351	0.000	0.000	37.562
06-2008	40.867	3.305	0.000	0.000	0.000	
0.000	13.147	27.721	-376.228	0.000	0.000	43.608
07-2008	46.914	3.305	0.000	0.000	0.000	
0.000	15.263	31.651	-348.902	0.000	0.000	25.955
08-2008	29.261	3.305	0.000	0.000	0.000	
0.000	9.084	20.176	-331.621	0.000	0.000	17.540
09-2008	20.845	3.305	0.000	0.000	0.000	
0.000	6.139	14.706	-319.124	0.000	0.000	10.358
10-2008	13.663	3.305	0.000	0.000	0.000	
0.000	3.625	10.038	-310.662	0.000	0.000	3.915
11-2008	7.221	3.305	0.000	0.000	0.000	
0.000	1.370	5.850	-305.769	0.000	0.000	11.198
12-2008	14.503	3.305	0.000	0.000	0.000	
0.000	3.919	10.584	-296.987	0.000	0.000	50.426
12-2009	78.753	28.327	0.000	0.000	0.000	
0.000	17.649	61.104	-248.838	0.000	0.000	120.371
12-2010	140.600	20.229	0.000	0.000	0.000	
0.000	42.130	98.470	-178.299	0.000	0.000	99.818
12-2011	114.281	14.463	0.000	0.000	0.000	
0.000	34.936	79.345	-126.627	0.000	0.000	82.067
12-2012	96.530	14.463	0.000	0.000	0.000	
0.000	28.723	67.807	-86.484	0.000	0.000	69.201
12-2013	83.664	14.463	0.000	0.000	0.000	
0.000	24.220	59.444	-54.491	0.000	0.000	66.642
12-2014	73.866	7.224	0.000	0.000	0.000	
0.000	23.325	50.541	-29.762	0.000	0.000	
S-TOT	971.134	161.963	0.000	647.851	0.000	161.320
0.000	56.462	104.858	-29.762	0.000	0.000	
AFTER	827.652	0.000	0.000	0.000	0.000	827.652
0.000	289.678	537.974	89.033	0.000	0.000	
TOTAL	1798.786	161.963	0.000	647.851	0.000	988.972
0.000	346.140	642.832	89.033	0.000	0.000	

BTAX RATE OF RETURN (PCT)	ATAX RATE OF RETURN (PCT)		
PRESENT WORTH PROFILE	15.67	14.73	
BTAX PAYOUT YEARS	5.96	ATAX PAY OUT YEARS	6.09
BTAX PAYOUT YEARS (DISC)	9.03	ATAX PAY OUT YEARS (DISC)	9.68
P.W. B.F.I.T. A.F.I.T			
BTAX NET INCOME/INVEST	2.22	ATAX NET INCOME/INVEST	1.79
FACTOR WORTH WORTH			
BTAX NET INCOME/INVEST(DISC)	1.21	ATAX NET INCOME/INVEST(DISC)	1.12
%---- M\$----- M\$----			

0.00	989.0	642.8		
PRODUCTION START DATE	12/2007	PROJECT LIFE (YEARS)	47.67	
10.00	152.7	89.		
		DISCOUNT - RATE (PCT)	10.00	
15.00	12.8	-5.0		
17.00	-25.7	-31.1		

	Rosa	Unit #146B	DK economic output.txt	
INITIAL OIL PRICE (\$/B)		0.000	INITIAL GAS PRICE (\$/M)	5.952
18.00	-42.5	-42.5		
MAXIMUM OIL PRICE (\$/B)		0.000	MAXIMUM GAS PRICE (\$/M)	4.654
20.00	-71.8	-62.4		
GROSS OIL WELLS		0.	GROSS GAS WELLS	1.
25.00	-126.8	-99.9		
30.00	-164.1	-125.5		
CUMULATIVE OIL (MBBL)		0.000	CUMULATIVE GAS (MMF)	122.292
40.00	-208.6	-156.1		
REMAINING OIL (MBBL)		0.000	REMAINING GAS (MMCF)	624.051
50.00	-231.2	-171.7		
ULTIMATE OIL (MBBL)		0.000	ULTIMATE GAS (MMCF)	746.343
60.00	-242.3	-179.4		
70.00	-247.0	-182.5		
INITIAL WI (PCT)		100.000	FINAL WI (PCT)	100.000
80.00	-247.8	-183.0		
INITIAL NET OIL (PCT)		0.000	FINAL NET OIL (PCT)	0.000
90.00	-246.3	-181.8		
INITIAL NET GAS (PCT)		98.412	FINAL NET GAS (PCT)	86.500
100.00	-243.3	-179.7		

In Lieu of
Form 3100-4
(July 1992)

RECEIVED

NOV 07 2007

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

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

2. NAME OF OPERATOR

WILLIAMS PRODUCTION COMPANY

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At Surface: 1980' FSL & 800' FWL

At top production interval reported below:

At total depth:

OCT 30 2007

Bureau of Land Management
Washington Field Office

5. LEASE DESIGNATION AND LEASE NO.
NMSF-078769

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME

Not in PA

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #146B

9. API WELL NO.

30-039-29833 - 0001

10. FIELD AND POOL, OR WILDCAT
BASIN DAKOTA

11. SEC., T.R., M., OR BLOCK AND
SURVEY OR AREA
NW/4 SW/4 SEC 28-31N-5W

12. COUNTY OR RIO ARriba STATE NEW MEXICO

14. PERMIT NO.

DATE ISSUED

15. DATE
SPUDDED
07/15/07

16. DATE T.D.
REACHED
07/27/07

17. DATE COMPLETED (READY TO PRODUCE)
10/09/07

18. ELEVATIONS (DK, RKB, RT, GR, ETC.)*
6451' GR

19. ELEVATION CASINGHEAD

20. TOTAL DEPTH, MD & TVD
8105' MD

21. PLUG, BACK T.D., MD & TVD
8060' MD

22. IF MULTCOMP.,
HOW MANY

23. INTERVALS
DRILLED BY

ROTARY TOOLS
 CABLE TOOLS

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

BASIN DAKOTA 7983' - 8072'

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
10 3/4", K-55	45.5#	326'	14 3/4"	315 SX - SURFACE	
7 5/8", J-55	26.4#	3803'	9 7/8"	983 SX - SURFACE 905'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
5 1/2", 17#, J-55	0'	8104'	230 SX	2-1/16", J-55, 3.25#	8033' 6114"

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

DAKOTA: 7983' - 8072'. Total of 57, 0.34" holes

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

7983' - 8072' Fraced w/ 9380# Lite Prop 108.

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SHUTTING DOWN)	
		Flowing				Producing	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
09/24/07	1 hrs	2"			175		
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
0	1.5						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD TEST WITNESSED BY: Craig Ward

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

Janey Ross

TITLE Sr. Production Analyst DATE October 29, 2007

ACCEPTED FOR RECORD

OPERATOR

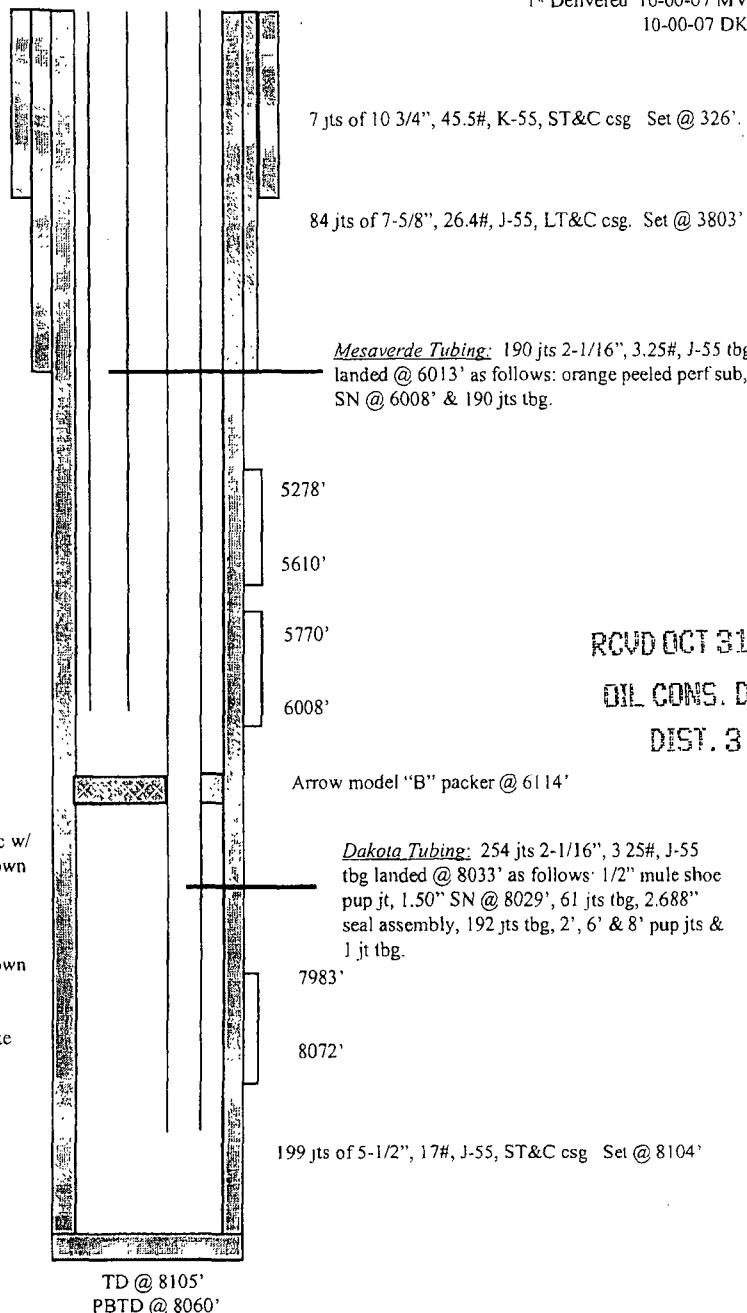
10/22/2007
WASHINGTON FIELD OFFICE
T. SAWYERS

ROSA UNIT #146B
BLANCO MV/BASIN DK

Spud Date 07-15-07
Completed 10-09-07
1st Delivered 10-00-07 MV
10-00-07 DK

Location: 1980' FSL & 800' FWL
NW/4 SW/4 Section 28(L), T31N, R05W
Rio Arriba Co., NM

Elevation: 6451' GR 6467' KB
API #: 30-039-29833



HOLE SIZE	CASING	CEMENT	CU. FT.	CMT TOP
14 3/4"	10 3/4", 45.5#	3 14 s xs	443 cu.ft.	surface
9 7/8"	7 5/8", 26.4#	983 s xs	1976 cu.ft.	surface
6 3/4"	5 1/2", 17#	230 s xs	495 cu.ft.	4000'

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

Form C-104
Revised June 10, 2003

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

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 - 039-29833	5 Pool Name BASIN DAKOTA					6 Pool Code 71599
7 Property Code 17033	8 Property Name ROSA UNIT					9 Well Number 146B

II. ¹⁰ Surface Location

UL or lot no. L	Section 28	Township 31N	Range 5W	Lot.Idn	Feet from the 1980'	North/South Line SOUTH	Feet from the 800'	East/West line WEST	County Rio Arriba
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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 O/G/W
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE AZ 85267	O
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA OK 74102	G
		RCVD OCT 31 '07 OIL CNG

IV. Well Completion Data

21 Spud Date 07/15/07	22 Ready Date 10/09/07	23 TD 8105'	24 PBTD 8060'	25 Perforations 7983' - 8072'	26 DHC, MC 6114
27 Hole Size 14 1/2"	28 Casing & Tubing Size 10 1/2", 45.5#, K-55	29 Depth Set 326'	30 Sacks Cement 314		
9 1/2"	7 1/2", 26.4#, J-55	3803'			983
6 1/2"	5 1/2", 17#, J-55	8104'			230
	2-1/16", 3.25#, J-55	8033'	Pkr @ 6114'		

VI. Well Test Data

31 Date New Oil	32 Gas Delivery Date	33 Test Date 09/24/07	34 Test Length 1 hrs	35 Tbg. Pressure 0	36 Csg. Pressure 1.5
37 Choke Size 2"	38 Oil	39 Water	40 Gas 175	41 Test Method Pitot	
42 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.			11/6/07	OIL CONSERVATION DIVISION	
Signature: <i>Tracy Ross</i>			Approved by: <i>M. Dr</i>		
Printed name: Tracy Ross			Title: DEPUTY OIL & GAS INSPECTOR, DIST. 4		
Title: Sr. Production Analyst			Approval Date: NOV 09 2007		
E-mail Address: Tracy.ross@williams.com					
Date: 10/29/07	Phone: 918-573-6254				

File PLT by 11/18/07

January 21, 2010

The Rosa Unit #188C Dakota Well (commercial) is located 880 feet from the South Line and 2450 feet from the West Line, Section 34 Township 31 North, Range 05 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 30, 2007, and completed in the Dakota formation on November 4, 2007. The Dakota formation was completed with a pre-perforated liner between the following depths: 8172' to 8266'. This well has a 2 1/16" tubing string. This well was shut in with a SICP of 2152 psig. On October 23.2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 1/16" tubing, the well gauged 480 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 22% and is therefore determined commercial.

Attached to this document are the following:

- ARIES 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

Marcia Brueggenjohann
Manager, Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

Avg Water, Bbl/day 1 0.1 0.01



Rosa Unit #188C DK economic output.txt

PropID: 11333 RSV CAT: 1PDP
 Date: 01/22/2010
 Well Name: ROSA UNIT #188C
 Time: 09:01:53
 Field: BASIN
 DBS: SJB
 Cnty: RIO ARRIBA St: NM
 Settings: SETDATA_JCM
 Reservoir: DAKOTA
 Scenario: SJB-OP-PostAudit
 Operator: WPC

T I A L C A L C U L A T E D D A T A		C O M B I N E D I N P U T D A T A	I N I
KEYWORD &	-----	-----	-----

Ref. Code @ End Pt.	Beginning, Init.	Ending Deff.	Rates Init.	Schedule Final	Limit Rate	Method & value	Ultimate
---------------------	------------------	--------------	-------------	----------------	------------	----------------	----------

400 START	01/2008						
401 GAS 791.018	317.00	5.00	M/D	X	YRS 151.	EXP	16.31
500 PRI/GAS 4/2007	5.617	6.487	6.677	5.957	#/M		
501 " 8/2007	x 6.627	6.827	6.197	4.987	#/M		
502 " 12/2007	x 4.587	5.117	6.057	6.497	#/M		
503 " 4/2008	01/2008	6.377	7.277	8.087	8.277 #/M		
504 " 8/2008	x 9.427	9.846	11.356	7.637	#/M		
505 " 12/2008	x 6.427	4.267	2.837	4.627	#/M		
506 " 4/2009	01/2009	4.827	3.107	2.687	2.617 #/M		
507 " 8/2009	x 2.497	2.647	2.977	3.177	#/M		
508 " 12/2009	x 2.467	3.417	4.257	4.679	#/M		
509 " 1/2010	01/2010	5.72	#/M				
510 " 4/2031	5.72	x 5.720	\$/M	TO 5.720	LIFE	PC	0.00
600 ATX 4/2031	2.10	x 0.021	%	TO 0.021	LIFE	PC	0.00
601 STX/GAS 4/2031	9.00	x 0.090	%	TO 0.090	LIFE	PC	0.00
602 OPC/T 4/2031	600.00	x 600.000	\$/M	TO 600.000	LIFE	PC	0.00
705 LSE/WI 4/2031	1.0000	D 1.000	FRAC	TO 1.000	LIFE	FLAT	0.00
720 NET/OIL 4/2031	0.8650	D 0.865	FRAC	TO 0.865	LIFE	FLAT	0.00

740 NET/GAS 0.8650 Rosa Unit #188C DK economic output.txt
4/2031 D FRAC TO LIFE FLAT 0.00

OVERLAYS Beginning, Ending Rates Schedule Limit Method & value Ultimate
@ End Pt. Init. Deff Init. Rate Final Rate

901 S 92 4/2031	S/95	X	FRAC	TO	LIFE	DIV	146.00
903 S /89 4/2031	0.54	X	FRAC	TO	LIFE	MUL	92.00
905 S /89 4/2031	0.99	X	FRAC	TO	LIFE	MUL	89.00
907 S /196 4/2031	S/196	X	FRAC	TO	LIFE	MINUS	89.00
909 S /92 4/2031	S/95	X	FRAC	TO	LIFE	DIV	146.00
911 S /88 4/2031	0.06	X	FRAC	TO	LIFE	MUL	92.00
913 S /88 4/2031	1.00	X	FRAC	TO	LIFE	MINUS	88.00
915 S /196 4/2031	S/196	X	FRAC	TO	LIFE	MUL	88.00

916 GAS 01/2007 0 0 0 0 0 0 0 0 0 0 2821 7527 6285 6726 #
174.706 3/2008
917 " x 6453 6790 7015 7298 7332 10679 6771 7152 6691 6513 #
247.400 1/2009
918 " x 6224 7521 6950 5421 7403 7348 7372 7055 7230 7010 #
316.934 11/2009

INVESTMENTS	Tangible	Intang	Units	Invest.	Point	Method & value	Total
T&I	Month	Risk Inv.	Tot.	T&I&R	Esc.	T&I&R	
-----	-----	-----	-----	-----	-----	-----	-----
800 CAPITAL 971.552	194.31 1/2008	0	777.24 M\$G 971.5	01/2008	AD 0.0	ESC INV	

MISCELLANEOUS DATA PARAMETERS

201 BTU	0.99
202 WELLS	0.00
203 CUMO, MB	0.00
250 LOSS	NO
CUMG, MMF	1.00
	151.35
	CUML, MB

PROJECT RUN SETTINGS

Base Date : 01/2000	Time Frames : 64*12	
P.W. Date : 01/2007	Primary PW% : 10.0	Discount Freq. : MID
Report Date : 01/2007		
Qualifiers : Prod = SJ_OP_POST	Price = SJ_OP_POST	Cost = SJ_OP_POST
Owner = SJ_OP_POST		
Title = BASE	Misc = BASE	Invest = SJ_OP_POST
Overlay = SJ_OP_POST		
PropID: 11333 RSV CAT: 1PDP		
DATE : 01/22/20		

10
Well Name: ROSA UNIT #188C

Rosa Unit #188C DK economic output.txt
 TIME : 09:01:53

Field: BASIN

DBS : SJB

Cnty: RIO ARRIBA St: NM

SETTINGS : SETDATA_JCM

Reservoir: DAKOTA

SCENARIO : SJB-OP-PostAudit

Operator: WPC

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

S

EFFECTIVE DATE: 01/2007

-----PRICES-----

MO-YEAR	OPERATIONS, M\$			NET PRODUCTION			OIL \$/B	GAS \$/M	NO. OF WELLS
	OIL REVENUE	GROSS REVENUE	PRODUCTION--- MBBL GAS OTHER	OIL, MMCF REVENUE	MBB REVENUE	GAS, MMC			
01-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
02-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
03-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
04-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
05-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
06-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
07-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
08-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
09-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
10-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
11-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
12-2007	0.000	2.821	0.000	0.000	0.000	0.00	0.00	0.000	1.0
	0.000	0.000	0.000						
01-2008	0.000	7.527	0.000	6.511	0.00	5.267	0.00	5.267	1.0
02-2008	0.000	34.293	0.000	5.437	0.00	6.092	0.00	6.092	1.0
03-2008	0.000	6.285	0.000	5.818	0.00	6.834	0.00	6.834	1.0
04-2008	0.000	33.117	0.000	5.582	0.00	7.008	0.00	7.008	1.0
05-2008	0.000	6.726	0.000	5.873	0.00	8.061	0.00	8.061	1.0
06-2008	0.000	39.758	0.000	0.00	0.00	0.00	0.00	0.000	0.0
07-2008	0.000	6.453	0.000	0.00	0.00	0.00	0.00	0.000	0.0
08-2008	0.000	39.116	0.000	0.00	0.00	0.00	0.00	0.000	0.0
	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.000	
01-2008	0.000	6.790	0.000	5.873	0.00	8.061	0.00	8.061	1.0
02-2008	0.000	47.346	0.000	0.00	0.00	0.00	0.00	0.000	0.0
03-2008	0.000	7.015	0.000	6.068	0.00	8.445	0.00	8.445	1.0
04-2008	0.000	51.244	0.000	0.00	0.00	0.00	0.00	0.000	0.0
05-2008	0.000	7.298	0.000	6.313	0.00	9.828	0.00	9.828	1.0
06-2008	0.000	62.044	0.000	0.00	0.00	0.00	0.00	0.000	0.0
07-2008	0.000	7.332	0.000	6.342	0.00	6.421	0.00	6.421	1.0
08-2008	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.000	0.0

Rosa Unit #188C DK economic output.txt

0.000	40.725	0.000					
S TOT 0.000	0.000 347.643	58.247 0.000	0.000	47.943	0.00	7.251	1.0
AFTER 0.000	0.000 2067.346	558.005 0.000	0.000	482.674	0.00	4.283	1.0
TOTAL 0.000	0.000 2414.990	616.252 0.000	0.000	530.618	0.00	4.551	1.0
-----OPERATIONS, M\$-----				-----CAPITAL-----			
COSTS, M\$----- --END-- SALVAGE MO-YEAR VALUE	SEVERANCE TOTAL TAXES EQUITY	AD VAL CASH TAXES INV	NET FLOW EXPENSES M\$	OPER CUM. DISC BTAX, M\$	OPERATION CASH FLOW BTAX, M\$	TANGIBLE INV.	INTANG. INV.
-----	-----	-----	-----	-----	-----	-----	-----
01-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
01-2008 0.000	3.086 971.552	0.655 -941.601	0.600 -856.108	29.951	194.310	777.242	
02-2008 0.000	2.981 0.000	0.633 28.904	0.600 -830.144	28.904	0.000	0.000	
03-2008 0.000	3.578 0.000	0.760 34.820	0.600 -799.112	34.820	0.000	0.000	
04-2008 0.000	3.520 0.000	0.748 34.248	0.600 -768.831	34.248	0.000	0.000	
05-2008 0.000	4.261 0.000	0.905 41.580	0.600 -732.358	41.580	0.000	0.000	
06-2008 0.000	4.612 0.000	0.979 45.053	0.600 -693.151	45.053	0.000	0.000	
07-2008 0.000	5.584 0.000	1.186 54.674	0.600 -645.948	54.674	0.000	0.000	
08-2008 0.000	3.665 0.000	0.778 35.682	0.600 -615.386	35.682	0.000	0.000	
S TOT	31.288	6.643	4.800	304.912	194.310	777.242	

		Rosa Unit #188C DK economic output.txt					
0.000	971.552	-666.640	-615.386				
AFTER 0.000	186.061 0.000	39.507 1682.778	159.000 323.514	1682.778	0.000	0.000	
TOTAL 0.000	217.349 971.552	46.150 1016.138	163.800 323.514	1987.690	194.310	777.242	

□ PropID: 11333 RSV CAT: 1PDP
DATE : 01/22/20

10
Well Name: ROSA UNIT #188C
TIME : 09:01:53

Field: BASIN
DBS : SJB

Cnty: RIO ARRIBA St: NM
SETTINGS : SETDATA_JCM

Reservoir: DAKOTA
SCENARIO : SJB-OP-PostAudit

Operator: WPC

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

EFFECTIVE DATE: 01/2007

--END--		TAXABLE TAXES	DEPRECIA- CASH FLOW	DEPLETION CUM. DISC	INTANG.	INTEREST	TAXABLE	TAX
MO-YEAR	CASH FLOW	TION			EXPENSED	PAID & CAP	INCOME	CREDIT
PAYABLE	ATAX		ATAX		M\$-----	M\$-----	M\$-----	M\$-----
					M\$-----	M\$-----	M\$-----	M\$-----
01-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
01-2008 0.000	29.951	2.312	0.000	777.242	0.000	-749.603		
	-262.361	-679.240	-618.544					
02-2008 0.000	28.904	2.312	0.000	0.000	0.000	26.591		
03-2008 34.820	9.307	19.597	-600.940					
			0.000	0.000	0.000	32.508		

Rosa Unit #188C DK economic output.txt

0.000	11.378	23.442	-580.047			
04-2008	34.248	2.312	0.000	0.000	0.000	31.935
0.000	11.177	23.070	-559.649			
05-2008	41.580	2.312	0.000	0.000	0.000	39.268
0.000	13.744	27.836	-535.232			
06-2008	45.053	2.312	0.000	0.000	0.000	42.741
0.000	14.959	30.094	-509.044			
07-2008	54.674	2.312	0.000	0.000	0.000	52.362
0.000	18.327	36.348	-477.663			
08-2008	35.682	2.312	0.000	0.000	0.000	33.370
0.000	11.679	24.003	-457.104			
09-2008	43.122	2.312	0.000	0.000	0.000	40.810
0.000	14.283	28.839	-432.599			
10-2008	16.797	2.312	0.000	0.000	0.000	14.485
0.000	5.070	11.727	-422.713			
11-2008	10.556	2.312	0.000	0.000	0.000	8.243
0.000	2.885	7.671	-416.297			
12-2008	18.292	2.312	0.000	0.000	0.000	15.980
0.000	5.593	12.699	-405.760			
12-2009	147.686	47.587	0.000	0.000	0.000	100.099
0.000	35.035	112.651	-316.993			
12-2010	259.688	33.985	0.000	0.000	0.000	225.703
0.000	78.996	180.692	-187.554			
12-2011	216.160	24.269	0.000	0.000	0.000	191.891
0.000	67.162	148.998	-90.522			
12-2012	179.732	17.352	0.000	0.000	0.000	162.380
0.000	56.833	122.899	-17.763			
12-2013	149.244	17.352	0.000	0.000	0.000	131.892
0.000	46.162	103.082	37.716			
12-2014	123.729	17.352	0.000	0.000	0.000	106.377
0.000	37.232	86.497	80.037			
S-TOT	1469.917	185.644	0.000	777.242	0.000	507.032
0.000	177.461	320.904	80.037			
AFTER	517.772	8.666	0.000	0.000	0.000	509.106
0.000	178.187	339.585	194.260			
TOTAL	1987.690	194.310	0.000	777.242	0.000	1016.138
0.000	355.648	660.490	194.260			

BTAX RATE OF RETURN (PCT)	21.75	ATAX RATE OF RETURN (PCT)	19.65
PRESENT WORTH PROFILE			
BTAX PAYOUT YEARS	4.79	ATAX PAY OUT YEARS	4.94
BTAX PAYOUT YEARS (DISC)	5.92	ATAX PAY OUT YEARS (DISC)	6.32
P.W. B.F.I.T. A.F.I.T			
BTAX NET INCOME/INVEST	2.05	ATAX NET INCOME/INVEST	1.68
FACTOR WORTH WORTH			
BTAX NET INCOME/INVEST(DISC)	1.37	ATAX NET INCOME/INVEST(DISC)	1.22
%---- M\$----- M\$----			

0.00	1016.1	660.5			
PRODUCTION START DATE			01/2008	PROJECT LIFE (YEARS)	23.75
10.00	323.5	194.		DISCOUNT - RATE (PCT)	10.00
15.00	148.8	76.0			
17.00	95.8	40.0			
INITIAL OIL PRICE (\$/B)			0.000	INITIAL GAS PRICE (\$/M)	6.400
18.00	72.0	23.9			
MAXIMUM OIL PRICE (\$/B)			0.000	MAXIMUM GAS PRICE (\$/M)	4.665
20.00	29.4	-5.0			

Rosa Unit #188C DK economic output.txt
GROSS OIL WELLS 0. GROSS GAS WELLS 1.
25.00 -54.6 -62.1

30.00	-115.0	-103.1			
	CUMULATIVE OIL (MBBL)		0.000	CUMULATIVE GAS (MMF)	148.526
40.00	-191.9	-155.1			
	REMAINING OIL (MBBL)		0.000	REMAINING GAS (MMCF)	616.252
50.00	-234.3	-183.6			
	ULTIMATE OIL (MBBL)		0.000	ULTIMATE GAS (MMCF)	764.778
60.00	-257.7	-199.0			
70.00	-269.9	-206.8			
	INITIAL WI (PCT)		100.000	FINAL WI (PCT)	100.000
80.00	-275.4	-209.9			
	INITIAL NET OIL (PCT)		0.000	FINAL NET OIL (PCT)	0.000
90.00	-276.6	-210.2			
	INITIAL NET GAS (PCT)		230.800	FINAL NET GAS (PCT)	86.500
100.00	-275.1	-208.6			

U-1C
C/FN
C-W

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOV 29 2007

SUBMIT IN
DUPLICATE

(See other instructions on
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

WEA

NOV 19 2007

1a.	TYPE OF WELL <input checked="" type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL DRY OTHER					7. UNIT AGREEMENT NAME	
b.	TYPE OF COMPLETION: <input checked="" type="checkbox"/> NEW WELL WORKOVER DEEPEN PLUG BACK DIFF. RESVR. OTHER						
2.	NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY					Bureau of Land Management Farmington Field Office	8. FARM OR LEASE NAME, WELL NO. ROSA UNIT #188C
3.	ADDRESS AND TELEPHONE NO. P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254					9. API WELL NO. 30-039-29902 - 001	
4.	LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface: 880' FSL & 2450' FWL At top production interval reported below: At total depth:					10. FIELD AND POOL, OR WILDCAT BASIN DAKOTA	
15. DATE SPUDDED 08/30/07	16. DATE T.D. REACHED 09/26/07	17. DATE COMPLETED (READY TO PRODUCE) 11/04/07	18. ELEVATIONS (DK, RKB, RT, GR, ETC.)* 6712' GR	12. COUNTY OR RIO ARRIBA	13. STATE NEW MEXICO		
20. TOTAL DEPTH, MD & TVD 8316' MD	21. PLUG, BACK T.D., MD & TVD 8312' MD	22. IF MULTICOMP., HOW MANY 2	23. INTERVALS DRILLED BY	ROTARY TOOLS <input checked="" type="checkbox"/>	CABLE TOOLS		
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* BASIN DAKOTA 8172' - 8266'					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	
10 1/4", K-55	40.5#	329'	14 1/4"	298 SX - SURFACE			
7 1/4", K-55	26.4#	4038'	9 1/4"	1150 SX - SURFACE			
5 1/2", J-55	17#	8286'	6 1/4"	220 SX - 4400'			
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4", 11.7#, J-55	8266'	8312'	50 SX		2-1/16", J-55, 3.25#	8289'	6400'
31. PERFORATION RECORD (Interval, size, and number) DAKOTA: 8172' - 8266'. Total of 48, 0.36" holes				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
				8172' - 8266'	Fraced w/ 12,900# Lite Prop 108 followed w/ 3000# SB Excel 20/40.		

33. PRODUCTION							
DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Flowing				WELL STATUS (PRODUCING OR SI) SI - waiting on approved C-104	
DATE OF TEST 10/23/07	TESTED 1 hr	CHOKE SIZE 2"	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF 480	WATER - BBL.	GAS-OIL RATIO
FLOW TBG PRESS 0	CASING PRESSURE 7	CALCULATED 24-HOUR RATE		OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD TEST WITNESSED BY: Buddy Banks

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 7, 2007

OPERATOR

T. Salter

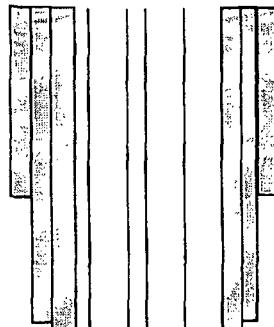
ROSA UNIT #188C
BLANCO MV/BASIN DK

Spud Date: 08-30-07
Completed: 11-04-07
1st Delivered: 11-00-07 MV
11-00-07 DK

Location:

880' FSL & 2450' FWL
SE/4 SW/4 Section 34(N), T31N, R05W
Rio Arriba Co., NM

Elevation: 6712' GR 6728' KB
API #: 30-039-29909



7 jts of 10 3/4", 40.5#, K-55, ST&C csg. Set @ 329'.

90 jts of 7-5/8", 26.4#, K-55, LT&C csg. Sct @ 4038'.

Tops **Depth**

Fruitland	3340'
Pictured Cliffs	3714'
Cliff House	5696'
Menefee	5746'
Point Lookout	5953'
Mancos	6415'
Dakota	8171'

Mesaverde Tubing: 201 jts 2-1/16", 3.25#, J-55 tbg landed @ 6304' as follows: orange peeled perf sub, 1.50" SN @ 6299' & 201 jts tbg.

5454'

5820'

5882'

6304'

Arrow model "B" packer @ 6400'

Dakota Tubing: 258 jts 2-1/16", 3.25#, J-55 tbg landed @ 8289' as follows: 1/2" mule shoe pup jt, 1.50" SN @ 8262', 58 jts tbg, 2.688" seal assembly, 199 jts tbg, 6', 6', 8' & 8' pup jts & 1 jt tbg.

8172'

8266'

195 jts of 5-1/2", 17#, N-80, LT&C csg. Set @ 8286', float collar @ 8274'.

1 jt of 4", 11.7#, J-55 csg. Set @ 8266' - 8312'.

TD @ 8316'
PBTD @ 8312'

HOLE SIZE	CASING	CEMENT	CU. FT.	CMT TOP
14 3/4"	10 3/4", 40.5#	298 sxs	620 cu.ft.	surface
9 7/8"	7 5/8", 26.4#	1150 sxs	2345 cu.ft.	surface
6 3/4"	5 1/2", 17#	220 sxs	473 cu.ft.	4400'
4 3/4"	4", 11.7#	50 sxs	69 cu.ft.	8240'

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

Form C-104
Revised June 10, 2003

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

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 - 039-299029	⁵ Pool Name BASIN DAKOTA	⁶ Pool Code 71599
⁷ Property Code 17033	⁸ Property Name ROSA UNIT	⁹ Well Number 188C

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot.Idn	Feet from the 880'	North/South Line SOUTH	Feet from the 2450'	East/West line WEST	County Rio Arriba
N	34	31N	5W						

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 O/G/W
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE AZ 85267	O
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA OK 74102	G
		RCUD NOV 19 '07

IV. Well Completion Data

²¹ Spud Date 08/30/07	²² Ready Date 11/04/07	²³ TD 8316'	²⁴ PBTD 8312'	²⁵ Perforations 8172' – 8266'	²⁶ DHC, MC DIST. 3
²⁷ Hole Size 14 1/2"	²⁸ Casing & Tubing Size 10 1/4", 45.5#, K-55		²⁹ Depth Set 329'		³⁰ Sacks Cement 298 sxs
9 1/2"	7 1/2", 26.4#, J-55		4038'		1150 sxs
6 1/2"	5 1/2", 17#, J-55		8286'		220 sxs
4 1/2"	4", 11.7#, J-55		8266' – 8312'		50 sxs
	2-1/16", 3.25#, J-55		8289'		Pkr set @ 6400'

VI. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date 10/23/07	³⁴ Test Length 1 hr	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 7
³⁷ Choke Size 2"	³⁸ Oil	³⁹ Water	⁴⁰ Gas 480		⁴¹ Test Method Pitot

⁴² 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

10/6/07 OIL CONSERVATION DIVISION

Approved by:

Henry Villanueva 10/6/07

Printed name:

Tracy Ross

Title:

DEPUTY OIL & GAS INSPECTOR, DIST. 3

Title:

Sr. Production Analyst

Approval Date:

DEC 06 2007

E-mail Address:

Tracy.ross@williams.com

Date:

11/15/07

Phone:

918-573-6254

BLM approval

8

January 21, 2010

The Rosa Unit #14C DK Well (commercial) is located 2505 feet from the North Line and 0895 feet from the East Line, Section 23 Township 31 North, Range 06 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on October, 2007, and completed in the Dakota formation on November 29, 2007. The Dakota formation was completed with a pre-perforated liner between the following depths: 7796' to 7894'. This well has a 2 1/16" tubing string. This well was shut in with a SICP of 655 psig. On November 28, 2007 the well was tested and after flowing for 1.5 hours through a 2" choke on the 2 1/16" tubing, the well gauged 190 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 13% and is therefore determined commercial.

Attached to this document are the following:

- ARIES 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

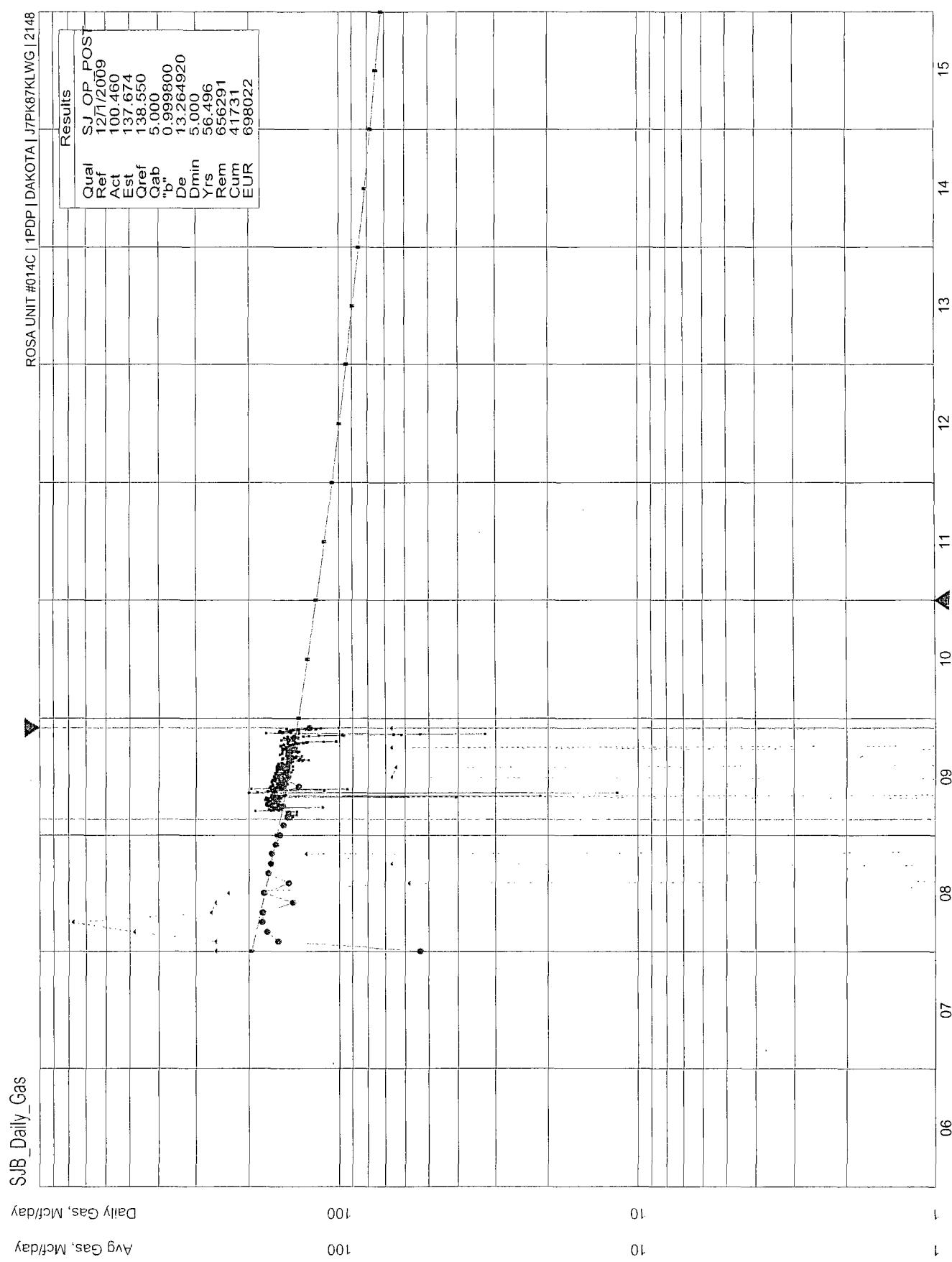
Marcia Brueggenjohann
Manager, Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

Avg Water, Bbl/day

1

0.1

0.01



Rosa Unit #014C DK economic output.txt

PropID: 2148 RSV CAT: 1PDP
 Date: 01/22/2010
 Well Name: ROSA UNIT #014C
 Time: 09:31:47
 Field: BASIN
 DBS: SJB
 Cnty: RIO ARRIBA St: NM
 Settings: SETDATA_JCM
 Reservoir: DAKOTA
 Scenario: SJB-OP-PostAudit
 Operator: WPC

C O M B I N E D I N P U T D A T A							I N I		
T I A L	C A L C U L A T E D D A T A								
KEYWORD &	-----								
Ref. @ End Pt.	Code	Beginning, Init.	Ending Deff	Rates Init.	Schedule Final	Limit Rate	Method & value	Ultimate	
400	START	01/2008							
401	GAS	196.00	X	M/D	5.00	EXP	B/0.9998	17.79	
580.329	11/2022	17.7860		5962.	1410.				
402	"	X	5.00	M/D	X	YRS	EXP	5.00	
874.812	5/2066	5.0000		1410.	151.				
500	PRI/GAS	01/2007	5.617	6.487	6.677	5.957	#/M		
		4/2007							
501	"	X	6.627	6.827	6.197	4.987	#/M		
		8/2007							
502	"	X	4.587	5.117	6.057	6.497	#/M		
		12/2007							
503	"	01/2008	6.377	7.277	8.087	8.277	#/M		
		4/2008							
504	"	X	9.427	9.846	11.356	7.637	#/M		
		8/2008							
505	"	X	6.427	4.267	2.837	4.627	#/M		
		12/2008							
506	"	01/2009	4.827	3.107	2.687	2.617	#/M		
		4/2009							
507	"	X	2.497	2.647	2.977	3.177	#/M		
		8/2009							
508	"	X	2.467	3.417	4.257	4.679	#/M		
		12/2009							
509	"	01/2010	5.72				#/M		
		1/2010							
510	"	5.72	X	5.720	\$/M	TO	LIFE	PC	0.00
		5/2066							
600	ATX	2.10	X	0.021	%	TO	LIFE	PC	0.00
		5/2066							
601	STX/GAS	9.00	X	0.090	%	TO	LIFE	PC	0.00
		5/2066							
602	OPC/T	650.00	X	650.000	\$/M	TO	LIFE	PC	0.00
		5/2066							
705	LSE/WI	1.0000	D	1.000	FRAC	TO	LIFE	FLAT	0.00
		5/2066							

Rosa Unit #014C DK economic output.txt
 720 NET/OIL 0.8650 D FRAC TO LIFE FLAT 0.00
 5/2066 0.865 0.865 0.865
 740 NET/GAS 0.8650 D FRAC TO LIFE FLAT 0.00
 5/2066 0.865 0.865 0.865

OVERLAYS @ End Pt.	Beginning, Deff	Init.	Ending Init.	Rates	Schedule	Limit	Method & Value	Ultimate
901 S 92 5/2066	S/95	X	FRAC	TO	LIFE	DIV	146.00	
903 S /89 5/2066	0.54	X	FRAC	TO	LIFE	MUL	92.00	
905 S /89 5/2066	0.99	X	FRAC	TO	LIFE	MUL	89.00	
907 S /196 5/2066	S/196	X	FRAC	TO	LIFE	MINUS	89.00	
909 S /92 5/2066	S/95	X	FRAC	TO	LIFE	DIV	146.00	
911 S /88 5/2066	0.06	X	FRAC	TO	LIFE	MUL	92.00	
913 S /88 5/2066	1.00	X	FRAC	TO	LIFE	MINUS	88.00	
915 S /196 5/2066	S/196	X	FRAC	TO	LIFE	MUL	88.00	

916 GAS 01/2007 0 0 0 0 0 0 0 0 0 0 0 0 1656 4952 5042 5595 #
 120.908 3/2008 X 5395 4419 5338 4566 5346 5072 5203 4887 4883 4753 #
 917 " X 4150 4782 4972 4236 4716 4778 4549 4373 4390 3763 #
 170.770 1/2009
 918 " X 4150 4782 4972 4236 4716 4778 4549 4373 4390 3763 #
 215.479 11/2009

INVESTMENTS T&I	Tangible Month	Intang Risk Inv.	Units Tot.	Invest. T&I&R	Point Esc.	Method & value	Total
800 CAPITAL 921.254	186.65 12/2007	0	734.60 921.2	M\$G 0.0	12/2007 0.0	AD	ESC INV

MISCELLANEOUS DATA PARAMETERS

201 BTU	0.99
202 WELLS	0.00
203 CUMO, MB	0.00
250 LOSS	NO

PROJECT RUN SETTINGS

Base Date : 01/2000	Time Frames : 64*12	
P.W. Date : 01/2007	Primary Pw% : 10.0	Discount Freq. : MID
Report Date : 01/2007		
Qualifiers : Prod = SJ_OP_POST	Price = SJ_OP_POST	Cost = SJ_OP_POST
Owner = SJ_OP_POST		
Title = BASE	Misc = BASE	Invest = SJ_OP_POST
Overlay = SJ_OP_POST		
PropID: 2148 RSV CAT: 1PDP		
DATE : 01/22/20		

Rosa Unit #014C DK economic output.txt

10 Well Name: ROSA UNIT #014C

TIME : 09:31:47

Field: BASIN

DBS : SJB

Cnty: RIO ARRIBA St: NM

SETTINGS : SETDATA_JCM

Reservoir: DAKOTA

SCENARIO : SJB-OP-PostAudit

Operator: WPC

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

S

EFFECTIVE DATE: 01/2007

-----PRICES-----

-----OPERATIONS, M\$-----

MO-YEAR	GROSS PRODUCTION			NET PRODUCTION			OIL \$/B	GAS \$/M	NO. OF WELLS
	OIL, REVENUE	GAS REVENUE	MBBL REVENUE	OIL,	MBB	GAS, MMC			
01-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
02-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
03-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
04-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
05-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
06-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
07-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
08-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
09-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
10-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
11-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
12-2007	0.000	0.000	1.656	0.000	0.000	0.00	0.000	0.000	1.0
01-2008	0.000	4.952	0.000	4.283	0.00	5.299	1.0		
02-2008	0.000	22.699	0.000	4.361	0.00	6.129	1.0		
03-2008	0.000	5.042	0.000	4.840	0.00	6.875	1.0		
04-2008	0.000	26.729	0.000	4.667	0.00	7.050	1.0		
05-2008	0.000	5.595	0.000	3.822	0.00	8.110	1.0		
06-2008	0.000	33.274	0.000	4.419	0.000	5.338	0.000	0.000	1.0
07-2008	0.000	32.902	0.000	4.566	0.000	39.231	0.000	0.000	1.0

Rosa Unit #014C DK economic output.txt

0.000	39.054	0.000					
08-2008	0.000	5.346	0.000	4.624	0.00	6.460	1.0
0.000	29.875	0.000					
S TOT	0.000	42.309	0.000	35.165	0.00	7.245	1.0
0.000	254.765	0.000					
AFTER	0.000	719.341	0.000	622.230	0.00	4.494	1.0
0.000	2796.585	0.000					
TOTAL	0.000	761.649	0.000	657.394	0.00	4.642	1.0
0.000	3051.351	0.000					

-----OPERATIONS, M\$----- -----CAPITAL

COSTS, M\$	10.0%						
	--END--	SEVERANCE	AD VAL	NET CASH FLOW	OPER EXPENSES	OPERATION CASH FLOW	TANGIBLE INV.
SALVAGE MO-YEAR	TOTAL TAXES	TAXES	CASH FLOW	CUM. EXPENSES	DISC		
VALUE	EQUITY	INV	BTAX, M\$	BTAX, M\$			
01-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-2007	0.000	0.000	0.000	0.000	0.000	186.651	734.603
0.000	921.254	-921.254	-844.182				
01-2008	2.043	0.434	0.650	19.572	0.000	0.000	0.000
0.000	0.000	19.572	-826.460				
02-2008	2.406	0.511	0.650	23.163	0.000	0.000	0.000
0.000	0.000	23.163	-805.652				
03-2008	2.995	0.636	0.650	28.993	0.000	0.000	0.000
0.000	0.000	28.993	-779.813				
04-2008	2.961	0.629	0.650	28.662	0.000	0.000	0.000
0.000	0.000	28.662	-754.471				
05-2008	2.790	0.592	0.650	26.968	0.000	0.000	0.000
0.000	0.000	26.968	-730.815				
06-2008	3.531	0.750	0.650	34.301	0.000	0.000	0.000
0.000	0.000	34.301	-700.965				
07-2008	3.515	0.746	0.650	34.143	0.000	0.000	0.000
0.000	0.000	34.143	-671.488				
08-2008	2.689	0.571	0.650	25.965	0.000	0.000	0.000
0.000	0.000	25.965	-649.248				

Rosa Unit #014C DK economic output.txt

S TOT 0.000	22.929 921.254	4.869 -699.486	5.200 -649.248	221.768	186.651	734.603
AFTER 0.000	251.693 0.000	53.443 2067.000	424.450 119.092	2067.000	0.000	0.000
TOTAL 0.000	274.622 921.254	58.311 1367.513	429.650 119.092	2288.767	186.651	734.603

□ PropID: 2148 RSV CAT: 1PDP
DATE : 01/22/20

10
Well Name: ROSA UNIT #014C
TIME : 09:31:47
Field: BASIN
DBS : SJB
Cnty: RIO ARRIBA St: NM
SETTINGS : SETDATA_JCM
Reservoir: DAKOTA
SCENARIO : SJB-OP-PostAudit
Operator: WPC

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

EFFECTIVE DATE: 01/2007

MO-YEAR	10.0%			EXPENSED	PAID & CAP	INCOME	CREDIT	
	TAXABLE TAXES	CASH FLOW	DEPRECIA- TION					DEPLETION
	CASH FLOW	TION	CUM.					DISC
PAYABLE M\$-----	ATAX M\$-----	ATAX M\$-----		M\$-----	M\$-----	M\$-----	M\$-----	
01-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
02-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
03-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
04-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
05-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
06-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
07-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
08-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
09-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
10-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
11-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
12-2007 0.000	0.000	0.000	0.000	734.603	0.000	-734.603		
	-257.111	-664.143	-609.515					
01-2008 0.000	19.572	2.221	0.000	0.000	0.000	17.351		
	6.073	13.499	-597.291					
02-2008 0.000	23.163	2.221	0.000	0.000	0.000	20.942		

Rosa Unit #014C DK economic output.txt

0.000	7.330	15.833	-583.068	0.000	0.000	26.772
03-2008	28.993	2.221	0.000	0.000	0.000	
0.000	9.370	19.623	-565.579	0.000	0.000	26.441
04-2008	28.662	2.221	0.000	0.000	0.000	
0.000	9.254	19.408	-548.420	0.000	0.000	24.747
05-2008	26.968	2.221	0.000	0.000	0.000	
0.000	8.662	18.307	-532.362	0.000	0.000	32.080
06-2008	34.301	2.221	0.000	0.000	0.000	
0.000	11.228	23.073	-512.283	0.000	0.000	31.922
07-2008	34.143	2.221	0.000	0.000	0.000	
0.000	11.173	22.970	-492.451	0.000	0.000	23.744
08-2008	25.965	2.221	0.000	0.000	0.000	
0.000	8.310	17.655	-477.330	0.000	0.000	18.021
09-2008	20.242	2.221	0.000	0.000	0.000	
0.000	6.307	13.935	-465.488	0.000	0.000	10.579
10-2008	12.800	2.221	0.000	0.000	0.000	
0.000	3.702	9.097	-457.819	0.000	0.000	4.798
11-2008	7.019	2.221	0.000	0.000	0.000	
0.000	1.679	5.340	-453.353	0.000	0.000	11.000
12-2008	13.221	2.221	0.000	0.000	0.000	
0.000	3.850	9.371	-445.578	0.000	0.000	46.757
12-2009	92.468	45.711	0.000	0.000	0.000	
0.000	16.365	76.103	-385.610	0.000	0.000	127.764
12-2010	160.409	32.645	0.000	0.000	0.000	
0.000	44.717	115.692	-302.734	0.000	0.000	116.330
12-2011	139.642	23.313	0.000	0.000	0.000	
0.000	40.715	98.927	-238.310	0.000	0.000	106.776
12-2012	123.444	16.668	0.000	0.000	0.000	
0.000	37.372	86.072	-187.353	0.000	0.000	93.787
12-2013	110.455	16.668	0.000	0.000	0.000	
0.000	32.825	77.629	-145.573	0.000	0.000	83.139
12-2014	99.807	16.668	0.000	0.000	0.000	
0.000	29.099	70.708	-110.977	0.000	0.000	
S-TOT	1001.274	178.326	0.000	734.603	0.000	88.345
0.000	30.921	49.100	-110.977			
AFTER	1287.493	8.325	0.000	0.000	0.000	1279.168
0.000	447.709	839.784	61.552			
TOTAL	2288.768	186.651	0.000	734.603	0.000	1367.513
0.000	478.630	888.884	61.552			

BTAX RATE OF RETURN (PCT)	13.22	ATAX RATE OF RETURN (PCT)	12.46
PRESENT WORTH PROFILE			
BTAX PAYOUT YEARS	7.20	ATAX PAY OUT YEARS	7.31
BTAX PAYOUT YEARS (DISC)	12.90	ATAX PAY OUT YEARS (DISC)	14.35
P.W. B.F.I.T. A.F.I.T			
BTAX NET INCOME/INVEST	2.48	ATAX NET INCOME/INVEST	1.96
FACTOR WORTH WORTH			
BTAX NET INCOME/INVEST(DISC)	1.14	ATAX NET INCOME/INVEST(DISC)	1.07
%---- M\$----- M\$----			

0.00	1367.5	888.9			
PRODUCTION START DATE			01/2008	PROJECT LIFE (YEARS)	56.08
10.00	119.1	61.		DISCOUNT - RATE (PCT)	10.00
15.00	-65.9	-63.4			
17.00	-115.3	-97.1			
INITIAL OIL PRICE (\$/B)			0.000	INITIAL GAS PRICE (\$/M)	6.439
18.00	-136.5	-111.5			

Rosa Unit #014C DK economic output.txt

MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	4.694
20.00 -173.1	-136.5		
GROSS OIL WELLS	0.	GROSS GAS WELLS	1.
25.00 -240.0	-182.5		
30.00 -283.4	-212.6		
CUMULATIVE OIL (MBBL)	0.000	CUMULATIVE GAS (MMF)	102.007
40.00 -331.8	-246.2		
REMAINING OIL (MBBL)	0.000	REMAINING GAS (MMCF)	761.649
50.00 -352.9	-261.0		
ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	863.656
60.00 -360.5	-266.3		
70.00 -360.8	-266.5		
INITIAL WI (PCT)	100.000	FINAL WI (PCT)	100.000
80.00 -357.1	-263.7		
INITIAL NET OIL (PCT)	0.000	FINAL NET OIL (PCT)	0.000
90.00 -351.0	-259.4		
INITIAL NET GAS (PCT)	258.664	FINAL NET GAS (PCT)	86.500
100.00 -343.7	-254.1		

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-078771

6 IF INDIAN ALLOTEE OR
RCVD DEC 7 '07

7 UNIT AGREEMENT NAME
OIL CONS. DIV.
DIST. 3

8 FARM OR LEASE NAME, WELL NO
ROSA UNIT #14C

9 API WELL NO

30-039-30132-**0001**

10 FIELD AND POOL, OR WILDCAT
BASIN DAKOTA

11 SEC., T.R.M., OR BLOCK AND
SURVEY OR AREA
SE/4 NE/4 SEC 23-31N-6W

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

15 DATE 16 DATE TD 17 DATE COMPLETED (READY TO PRODUCE) 18 ELEVATIONS (DK, RKB, RT, GR, ETC)*
SPUDDED REACHED 11/29/07 6275' GR

20 TOTAL DEPTH, MD & TVD 21. PLUG, BACK TD, MD & TVD 22 IF MULTCOMP, 23 INTERVALS DRILLED BY
7920' MD HOW MANY 2 ROTARY TOOLS CABLE TOOLS
X

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN DAKOTA 7796' - 7894'

26 TYPE ELECTRIC AND OTHER LOGS RUN 25 WAS DIRECTIONAL SURVEY MADE
YES
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
10 1/4", K-55	40.5#	328'	14 1/4"	280 SX - SURFACE	
7 5/8", K-55	26.4#	3609'	9 1/8"	834 SX - SURFACE	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5 1/2", 17#, N-80	0'	7918'	286 SX		2-1/16", J-55, 3.25#	7855'	5960'

31 PERFORATION RECORD (Interval, size, and number)
To e 1934 ft

Dakota. 7796' - 7894' Total of 60, 0 34" holes

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7796' - 7894'	Fraced w/ 9980# Lite Prop 108.

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 C-104 approval		
DATE OF TEST	TESTED	CHOKE SIZE	PRODN FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
11/28/07	1.5 hrs	2"		190			
FLOW TBG PRESS	CASTING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	5						

34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TO BE SOLD TEST WITNESSED BY AJ Reator

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 Tracey Ross TITLE Sr Production Analyst DATE December 3, 2007

ACCEPTED FOR RECORD

DEC 3 2007

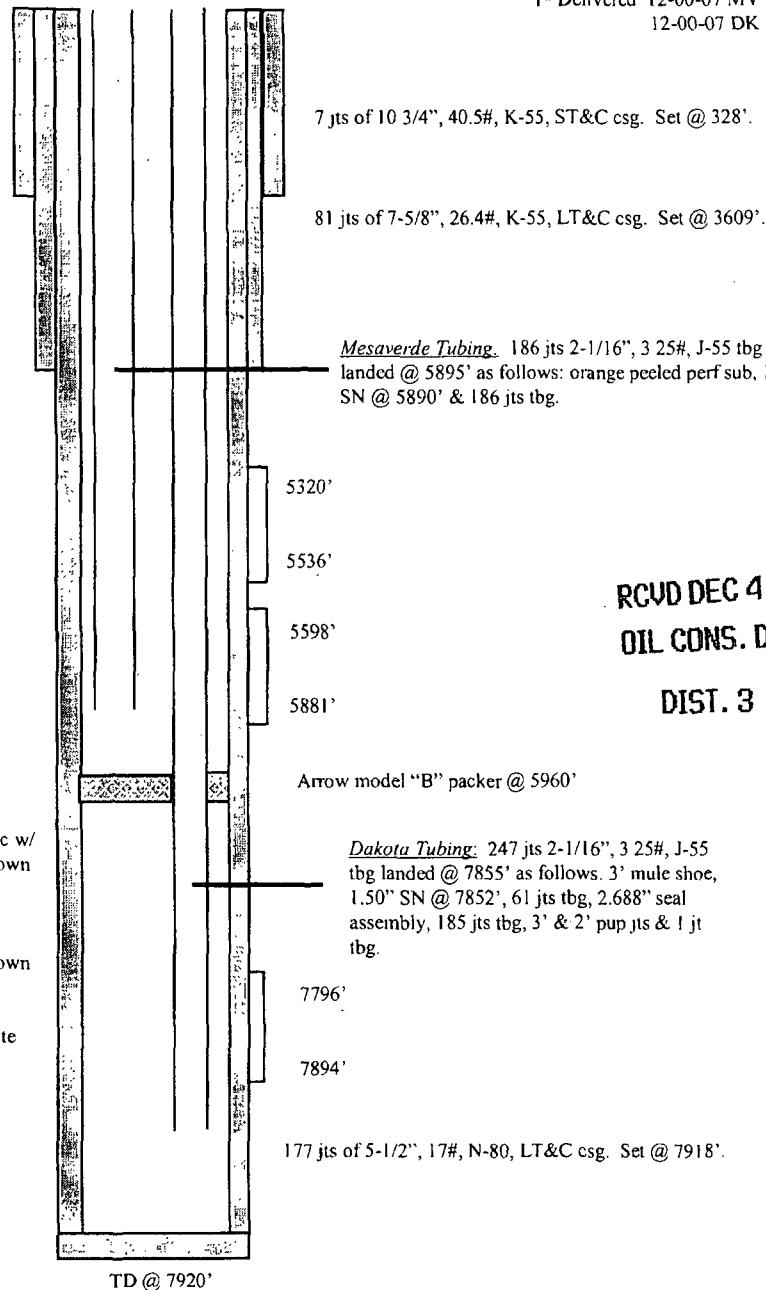
FARMINGTON FIELD OFFICE
BY T. Salves

ROSA UNIT #14C
BLANCO MV/BASIN DK

Spud Date 10-06-07
Completed 11-29-07
1st Delivered 12-00-07 MV
12-00-07 DK

Location:
2505' FNL & 895' FEL
SE/4 NE/4 Section 23(H), T31N, R06W
Rio Arriba Co., NM

Elevation: 6275' GR 6291' KB
API #: 30-039-30132



HOLE SIZE	CASING	CEMENT	CU. FT.	CMT TOP
14 3/4"	10 3/4", 40.5#	280 sxs	395 cu.ft.	surface
9 7/8"	7 5/8", 26.4#	834 sxs	1681 cu.ft.	surface
6 3/4"	5 1/2", 17#	286 sxs	612 cu.ft.	1934'

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

Form C-104
Revised June 10, 2003

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

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 - 039-30132	⁵ Pool Name 320 n/z BASIN DAKOTA			⁶ Pool Code 71599	
⁷ Property Code 17033	⁸ Property Name ROSA UNIT			⁹ Well Number 14C	

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
H	23	31N	6W		2505'	NORTH	895'	EAST	Rio Arriba

III. 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 O/G/W
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE AZ 85267	O
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA OK 74102	G
		RCVD DEC 4 '07
		OIL COMM 11/10/07

DIST. 3

IV. Well Completion Data

²¹ Spud Date 10/06/07	²² Ready Date 11/29/07	²³ TD 7920'	²⁴ PBTD	²⁵ Perforations 7796' - 7894'	²⁶ DHC, MC MC
²⁷ Hole Size 14 1/2"	²⁸ Casing & Tubing Size 10 1/4", 40.5#, K-55		²⁹ Depth Set 328'		³⁰ Sacks Cement 280
9 1/2"	7 1/2", 26.4#, K-55		3609'		834
6 1/2"	5 1/2", 17#, N-80		7918'		286
	2-1/16", 3.25#, J-55		7855'		Pkr set @ 5960'

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date 11/28/07	³⁴ Test Length 1.5 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 0
³⁷ Choke Size 2"	³⁸ Oil	³⁹ Water	⁴⁰ Gas 3040/190		⁴¹ Test Method Pitot
⁴² 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.					12/18/07 OIL CONSERVATION DIVISION
Signature: <i>Tracy Ross</i>					Approved by: <i>Chad Hause</i> 12-18-07
Printed name: Tracy Ross					Title: SUPERVISOR DISTRICT #3
Title: Sr. Production Analyst					Approval Date: DEC 18 2007
E-mail Address: Tracy.ross@williams.com					
Date: 12/03/07	Phone: 918-573-6254				

January 21, 2010

The Rosa Unit #186 Dakota Well (non-commercial) is located 1660 feet from the North Line and 930 feet from the West Line, Section 27 Township 31 North, Range 05 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 01, 2007, and completed in the Dakota formation on October 10, 2007. The Formation formation was completed with a pre-perforated liner between the following depths: 8302' to 8402'. This well has a 2 1/16" tubing string. This well was shut in with a SICP of 1930 psig. On September 25, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 1/16 tubing, the well gauged 200 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:

- ARIES 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

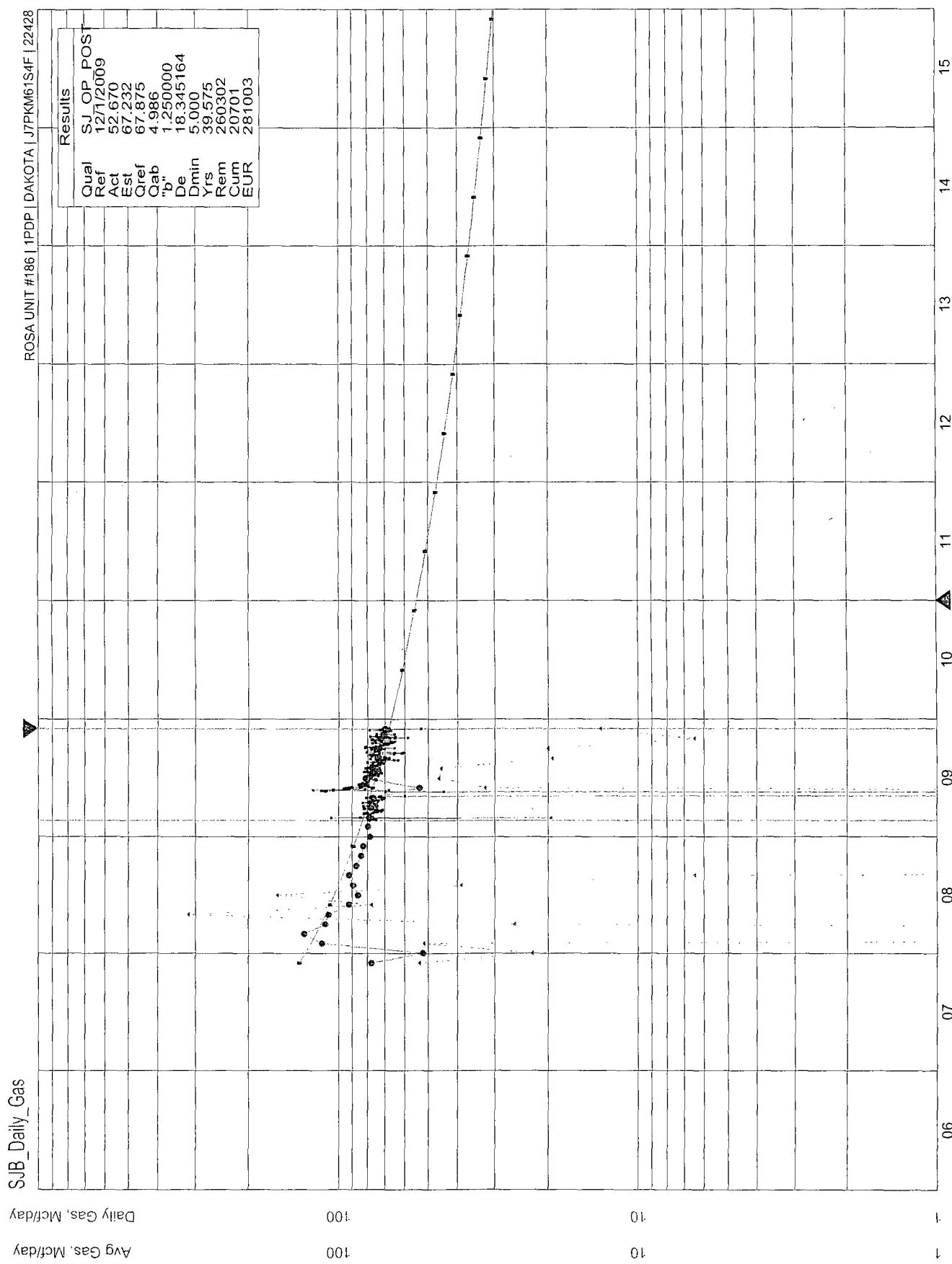
Marcia Brueggenjohann
Manager, Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

Avg Water, Bbl/day

10

1

0.1



Rosa Unit #186 DK economic output.txt

PropID: 22428 RSV CAT: 1PDP
 Date: 01/21/2010
 well Name: ROSA UNIT #186
 Time: 14:32:18
 Field: BASIN
 DBS: SJB
 Cnty: RIO ARRIBA St: NM
 Settings: SETDATA_JCM
 Reservoir: DAKOTA
 Scenario: SJB-OP-PostAudit
 Operator: WPC

T I A L C A L C U L A T E D D A T A		C O M B I N E D I N P U T D A T A	I N I
KEYWORD &	-----	-----	-----

Ref. Code	Beginning, @ End Pt.	Ending Init. Deff	Rates Init.	Schedule Final	Limit Rate	Method & Value	ultimate
-----------	----------------------	-------------------	-------------	----------------	------------	----------------	----------

400 START 12/2007

401 GAS	135.00	X	M/D	5.00	EXP	B/1.2500	34.00
237.466	1/2022		4106.	619.			
402 "	X	5.00	M/D	X	YRS	EXP	5.00
346.781	6/2049	5.0000	619.	152.			

500 PRI/GAS 01/2007 5.617 6.487 6.677 5.957 #/M
4/2007

501 " X 6.627 6.827 6.197 4.987 #/M

502 " X 4.587 5.117 6.057 6.497 #/M

503 " 01/2008 6.377 7.277 8.087 8.277 #/M

504 " X 9.427 9.846 11.356 7.637 #/M

505 " X 6.427 4.267 2.837 4.627 #/M

506 " 01/2009 4.827 3.107 2.687 2.617 #/M

507 " X 2.497 2.647 2.977 3.177 #/M

508 " X 2.467 3.417 4.257 4.679 #/M

509 " 01/2010 5.72 #/M

510 " 5.72 X 5.720 \$/M 5.720 TO LIFE PC 0.00

600 ATX 6/2049 2.10 X 0.021 % 0.021 TO LIFE PC 0.00

601 STX/GAS 6/2049 9.00 X 0.090 % 0.090 TO LIFE PC 0.00

602 OPC/T 6/2049 850.00 X 850.000 \$/M 850.000 TO LIFE PC 0.00

705 LSE/WI 6/2049 1.0000 D 1.000 FRAC 1.000 TO LIFE FLAT 0.00

Rosa Unit #186 DK economic output.txt
 720 NET/OIL 0.8650 D FRAC TO LIFE FLAT 0.00
 6/2049 0.865 0.865
 740 NET/GAS 0.8650 D FRAC TO LIFE FLAT 0.00
 6/2049 0.865 0.865

OVERLAYS @ End Pt.	Beginning, Init.	Deff	Init. Rate	Rates	Schedule	Limit	Method & Value	ultimate
				Final				
901 S 92 6/2049	S/95	X	FRAC	TO	LIFE	DIV	146.00	
903 S /89 6/2049	0.54	X	FRAC	TO	LIFE	MUL	92.00	
905 S /89 6/2049	0.98	X	FRAC	TO	LIFE	MUL	89.00	
907 S /196 6/2049	S/196	X	FRAC	TO	LIFE	MINUS	89.00	
909 S /92 6/2049	S/95	X	FRAC	TO	LIFE	DIV	146.00	
911 S /88 6/2049	0.06	X	FRAC	TO	LIFE	MUL	92.00	
913 S /88 6/2049	1.00	X	FRAC	TO	LIFE	MINUS	88.00	
915 S /196 6/2049	S/196	X	FRAC	TO	LIFE	MUL	88.00	

916 GAS 01/2008 3521 3777 3426 3238 2858 2580 2762 2855 #
 43.639 8/2008
 917 " X 2612 2601 2473 2426 2470 2164 2406 2298 1656 2436 #
 67.181 6/2009
 918 " X 2377 2294 2183 2237 2092 #
 78.364 11/2009

INVESTMENTS T&I	Tangible Month	Intang	Units Risk Inv.	Invest. Tot.	Point T&I&R	Method & Value	Total
800 CAPITAL 1014.033	202.81 12/2007	811.23 0	M\$G 1014.0	12/2007 0.0	AD	ESC INV	

MISCELLANEOUS DATA PARAMETERS

201 BTU	0.98		
202 WELLS	0.00	1.00	
203 CUMO, MB	0.00	CUMG, MMF	18.62
250 LOSS	NO		CUML, MB

PROJECT RUN SETTINGS

Base Date : 01/2000	Time Frames : 64*12		
P.W. Date : 01/2007	Primary PW% : 10.0	Discount Freq. :	MID
Report Date : 01/2007			
Qualifiers : Prod = SJ_OP_POST	Price = SJ_OP_POST	Cost = SJ_OP_POST	
Owner = SJ_OP_POST	Misc = BASE	Invest = SJ_OP_POST	
Overlay = SJ_OP_POST			
PropID: 22428 RSV CAT: 1PDP	DATE : 01/21/20		

Rosa Unit #186 DK economic output.txt

10
 Well Name: ROSA UNIT #186
 TIME : 14:32:18
 Field: BASIN
 DBS : SJB
 Cnty: RIO ARRIBA St: NM
 SETTINGS : SETDATA_JCM
 Reservoir: DAKOTA
 SCENARIO : SJB-OP-PostAudit
 Operator: WPC

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

S

EFFECTIVE DATE: 01/2007

-----PRICES-----

-----OPERATIONS, M\$-----			---NET PRODUCTION---			OIL	GAS	NO. OF	
--END--	---GROSS PRODUCTION---	---	OIL,	MBB	GAS,	MMC	\$/B	\$/M	WELLS
MO-YEAR	OIL, REVENUE	MBBL REVENUE	GAS, REVENUE	MMCF					
01-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
02-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
03-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
04-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
05-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
06-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
07-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
08-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
09-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
10-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
11-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.0
12-2007	0.000	4.016	0.000	0.000	3.474	0.00	5.364	1.0	
	0.000	18.634	0.000						
01-2008	0.000	3.521	0.000	0.000	3.046	0.00	5.254	1.0	
	0.000	16.003	0.000						
02-2008	0.000	3.777	0.000	0.000	3.267	0.00	6.077	1.0	
	0.000	19.853	0.000						
03-2008	0.000	3.426	0.000	0.000	2.963	0.00	6.817	1.0	
	0.000	20.202	0.000						
04-2008	0.000	3.238	0.000	0.000	2.801	0.00	6.991	1.0	
	0.000	19.580	0.000						
05-2008	0.000	2.858	0.000	0.000	2.472	0.00	8.042	1.0	
	0.000	19.880	0.000						
06-2008	0.000	2.580	0.000	0.000	2.232	0.00	8.424	1.0	
	0.000	18.801	0.000						
07-2008	0.000	2.762	0.000	0.000	2.389	0.00	9.804	1.0	

Rosa Unit #186 DK economic output.txt

0.000	23.424	0.000	0.000	2.470	0.00	6.406	1.0
08-2008	0.000	2.855	0.000				
0.000	15.819	0.000					
S TOT	0.000	29.033	0.000	25.114	0.00	6.857	1.0
AFTER	0.000	275.165	0.000	238.018	0.00	4.399	1.0
TOTAL	0.000	304.199	0.000	263.132	0.00	4.634	1.0
0.000	1219.333	0.000					

OPERATIONS, M\$-----						CAPITAL	
COSTS, M\$-----	10.0%						
--END--	SEVERANCE	AD VAL	NET	OPER	OPERATION	TANGIBLE	INTANG.
SALVAGE	TOTAL	CASH	FLOW	CUM.	DISC		
MO-YEAR	TAXES	TAXES		EXPENSES	CASH FLOW	INV.	INV.
VALUE	EQUITY	INV	BTAX,	M\$	BTAX,	M\$	
01-2007	0.000	0.000		0.000	0.000	0.000	0.000
0.000	0.000	0.000		0.000	0.000	0.000	0.000
02-2007	0.000	0.000		0.000	0.000	0.000	0.000
0.000	0.000	0.000		0.000	0.000	0.000	0.000
03-2007	0.000	0.000		0.000	0.000	0.000	0.000
0.000	0.000	0.000		0.000	0.000	0.000	0.000
04-2007	0.000	0.000		0.000	0.000	0.000	0.000
0.000	0.000	0.000		0.000	0.000	0.000	0.000
05-2007	0.000	0.000		0.000	0.000	0.000	0.000
0.000	0.000	0.000		0.000	0.000	0.000	0.000
06-2007	0.000	0.000		0.000	0.000	0.000	0.000
0.000	0.000	0.000		0.000	0.000	0.000	0.000
07-2007	0.000	0.000		0.000	0.000	0.000	0.000
0.000	0.000	0.000		0.000	0.000	0.000	0.000
08-2007	0.000	0.000		0.000	0.000	0.000	0.000
0.000	0.000	0.000		0.000	0.000	0.000	0.000
09-2007	0.000	0.000		0.000	0.000	0.000	0.000
0.000	0.000	0.000		0.000	0.000	0.000	0.000
10-2007	0.000	0.000		0.000	0.000	0.000	0.000
0.000	0.000	0.000		0.000	0.000	0.000	0.000
11-2007	0.000	0.000		0.000	0.000	0.000	0.000
0.000	0.000	0.000		0.000	0.000	0.000	0.000
12-2007	1.677	0.356		0.850	15.751	202.806	811.227
0.000	1014.033	-998.282		-914.823			
01-2008	1.440	0.306		0.850	13.407	0.000	0.000
0.000	0.000	13.407		-902.684			
02-2008	1.787	0.379		0.850	16.837	0.000	0.000
0.000	0.000	16.837		-887.558			
03-2008	1.818	0.386		0.850	17.148	0.000	0.000
0.000	0.000	17.148		-872.276			
04-2008	1.762	0.374		0.850	16.594	0.000	0.000
0.000	0.000	16.594		-857.604			
05-2008	1.789	0.380		0.850	16.861	0.000	0.000
0.000	0.000	16.861		-842.814			
06-2008	1.692	0.359		0.850	15.900	0.000	0.000
0.000	0.000	15.900		-828.978			
07-2008	2.108	0.448		0.850	20.018	0.000	0.000
0.000	0.000	20.018		-811.695			
08-2008	1.424	0.302		0.850	13.243	0.000	0.000
0.000	0.000	13.243		-800.352			

Rosa Unit #186 DK economic output.txt

S TOT 0.000	15.498 1014.033	3.291 -868.275	7.650 -800.352	145.758	202.806	811.227
AFTER 0.000	94.242 0.000	20.011 604.783	328.100 -519.305	604.783	0.000	0.000
TOTAL 0.000	109.740 1014.033	23.301 -263.492	335.750 -519.305	750.541	202.806	811.227

□ PropID: 22428 RSV CAT: 1PDP
DATE : 01/21/20

10

Well Name: ROSA UNIT #186
TIME : 14:32:18

Field: BASIN
DBS : SJB

Cnty: RIO ARRIBA St: NM
SETTINGS : SETDATA_JCM

Reservoir: DAKOTA
SCENARIO : SJB-OP-PostAudit

Operator: WPC

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

EFFECTIVE DATE: 01/2007

MO-YEAR	10.0%				INTEREST EXPENSED	TAXABLE INCOME	TAX CREDIT
	TAXABLE TAXES		DEPRECIA- CASH FLOW	DEPLETION CUM. DISC			
	PAYABLE M\$-----	ATAX M\$-----	ATAX M\$-----	INTANG.			
01-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	
02-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	
03-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	
04-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	
05-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	
06-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	
07-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	
08-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	
09-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	
10-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	
11-2007 0.000	0.000	0.000	0.000	0.000	0.000	0.000	
12-2007 0.000	15.751	28.961	0.000	811.227	0.000	-824.437	
	-288.553	-709.729	-651.459				
01-2008 0.000	13.407	4.139	0.000	0.000	0.000	9.268	
02-2008 0.000	3.244	10.163	-642.256				
	16.837	4.139	0.000	0.000	0.000	12.698	

Rosa Unit #186 DK economic output.txt

0.000	4.444	12.393	-631.123			
03-2008	17.148	4.139	0.000	0.000	0.000	13.009
0.000	4.553	12.595	-619.899			
04-2008	16.594	4.139	0.000	0.000	0.000	12.455
0.000	4.359	12.234	-609.082			
05-2008	16.861	4.139	0.000	0.000	0.000	12.722
0.000	4.453	12.408	-598.197			
06-2008	15.900	4.139	0.000	0.000	0.000	11.761
0.000	4.116	11.783	-587.943			
07-2008	20.018	4.139	0.000	0.000	0.000	15.879
0.000	5.558	14.461	-575.459			
08-2008	13.243	4.139	0.000	0.000	0.000	9.105
0.000	3.187	10.057	-566.845			
09-2008	9.818	4.139	0.000	0.000	0.000	5.679
0.000	1.988	7.830	-560.191			
10-2008	5.817	4.139	0.000	0.000	0.000	1.678
0.000	0.587	5.229	-555.782			
11-2008	2.998	4.139	0.000	0.000	0.000	-1.141
0.000	-0.399	3.397	-552.941			
12-2008	5.983	4.139	0.000	0.000	0.000	1.844
0.000	0.645	5.338	-548.512			
12-2009	39.694	35.471	0.000	0.000	0.000	4.223
0.000	1.478	38.216	-518.399			
12-2010	68.549	25.330	0.000	0.000	0.000	43.218
0.000	15.126	53.422	-480.130			
12-2011	55.722	18.111	0.000	0.000	0.000	37.612
0.000	13.164	42.558	-452.415			
12-2012	46.812	18.111	0.000	0.000	0.000	28.702
0.000	10.046	36.767	-430.648			
12-2013	40.225	18.111	0.000	0.000	0.000	22.115
0.000	7.740	32.485	-413.164			
12-2014	35.137	9.045	0.000	0.000	0.000	26.092
0.000	9.132	26.005	-400.441			
S-TOT	456.513	202.806	0.000	811.227	0.000	-557.520
0.000	-195.132	-362.388	-400.441			
AFTER	294.028	0.000	0.000	0.000	0.000	294.028
0.000	102.910	191.118	-350.324			
TOTAL	750.541	202.806	0.000	811.227	0.000	-263.492
0.000	-92.222	-171.270	-350.324			

BTAX RATE OF RETURN (PCT)	0.00	ATAX RATE OF RETURN (PCT)	0.00
PRESENT WORTH PROFILE			
BTAX PAYOUT YEARS	33.83	ATAX PAY OUT YEARS	33.83
BTAX PAYOUT YEARS (DISC)	33.83	ATAX PAY OUT YEARS (DISC)	33.83
P.W. B.F.I.T. A.F.I.T			
BTAX NET INCOME/INVEST	0.74	ATAX NET INCOME/INVEST	0.83
FACTOR WORTH WORTH			
BTAX NET INCOME/INVEST(DISC)	0.44	ATAX NET INCOME/INVEST(DISC)	0.62
%---- M\$----- M\$----			
0.00 -263.5 -171.3			
PRODUCTION START DATE	12/2007	PROJECT LIFE (YEARS)	33.83
10.00 -519.3 -350.		DISCOUNT - RATE (PCT)	10.00
15.00 -557.1 -378.9			
17.00 -565.7 -385.7			
INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	5.364
18.00 -569.0 -388.5			

Rosa Unit #186 DK economic output.txt

MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	4.654
20.00 -574.0 -392.8			
GROSS OIL WELLS	0.	GROSS GAS WELLS	1.
25.00 -579.6 -398.7			
30.00 -578.8 -399.8			
CUMULATIVE OIL (MBBL)	0.000	CUMULATIVE GAS (MMF)	18.622
40.00 -566.8 -394.2			
REMAINING OIL (MBBL)	0.000	REMAINING GAS (MMCF)	304.199
50.00 -548.9 -383.6			
ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	322.821
60.00 -528.9 -371.2			
70.00 -508.7 -358.2			
INITIAL WI (PCT)	100.000	FINAL WI (PCT)	100.000
80.00 -489.1 -345.4			
INITIAL NET OIL (PCT)	0.000	FINAL NET OIL (PCT)	0.000
90.00 -470.4 -333.0			
INITIAL NET GAS (PCT)	86.500	FINAL NET GAS (PCT)	86.500
100.00 -452.8 -321.2			

C:W
C:WIn Lieu of
Form 10-60-4
(July 1992)

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOV 07 2007

SUBMIT IN
DUPLICATE(See other instructions on
reverse side)FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 19955. LEASE DESIGNATION AND LEASE NO.
NMSF-078770

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME

Not in PA

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

RECEIVED

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

OCT 31 2007

2. NAME OF OPERATOR

WILLIAMS PRODUCTION COMPANY

Bureau of Land Management
Farmington Field Office8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #186

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.
30-039-30160 -0001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At Surface: 1660' FNL & 930' FWL

At top production interval reported below:

At total depth:

10. FIELD AND POOL, OR WILDCAT
BASIN DAKOTA11. SEC., T.R.M., OR BLOCK AND
SURVEY OR AREA
SW/4 NW/4 SEC 27-31N-5W

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR

13. STATE
RIO ARriba NEW MEXICO15. DATE
SPUDDED
08/01/0716. DATE T.D.
REACHED
08/26/0717. DATE COMPLETED (READY TO PRODUCE)
10/10/0718. ELEVATIONS (DK, RKB, RT, GR, ETC.)*
6765' GR

19. ELEVATION Casinghead

20. TOTAL DEPTH, MD & TVD
8434' MD21. PLUG, BACK T.D., MD & TVD
8419' MD22. IF MULTCOMP.,
HOW MANY23. INTERVALS
DRILLED BYROTARY TOOLS
X CABLE TOOLS

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

25. WAS DIRECTIONAL SURVEY MADE

YES

BASIN DAKOTA 8302' - 8402'

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
10 1/4", K-55	40.5#	315'	14 3/4"	314 SX - SURFACE	
7 1/2", J-55	26#	4158'	9 1/2"	897 SX - SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
5 1/2", 17#, N-80	0'	8433'	205 SX	2-1/16", J-55, 3.25#	8408' 6480'

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

DAKOTA: 8302' - 8402'. Total of 22, 0.34" holes

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

8302' - 8402' Fraced w/ 9900# Lite Prop 108.

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
09/25/07	1 hrs	2"			200		
FLOW TBG PRESS	CASING PRESSURE		CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
0	2						

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

TEST WITNESSED BY: Buddy Banks

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 29, 2007

ACCEPTED FOR RECORD

10/29/07

OPERATOR

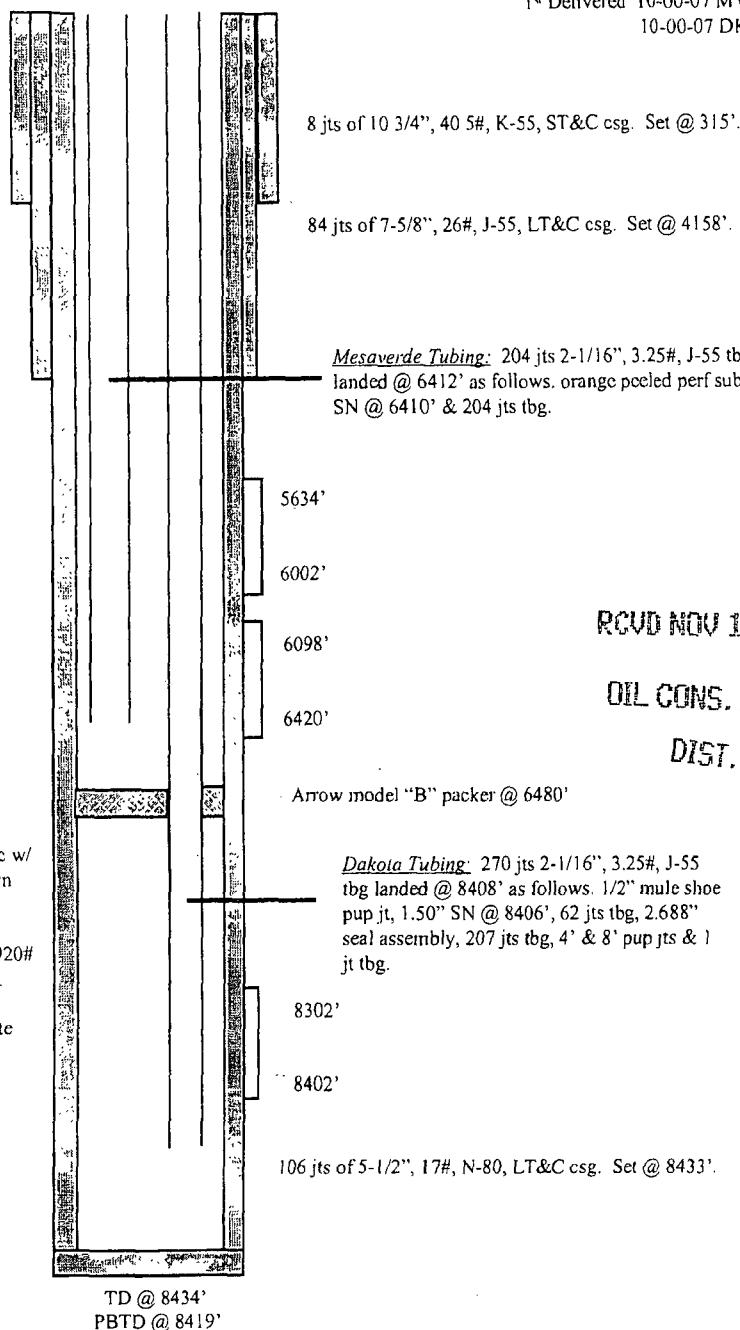
FARMINGTON FIELD OFFICE
T. S. S.

ROSA UNIT #186
BLANCO MV/BASIN DK

Spud Date 08-01-07
 Completed 10-10-07
 1st Delivered 10-00-07 MV
 10-00-07 DK

Location: 1660' FNL & 930' FWL
 SW/4 NW/4 Section 27(E), T31N, R05W
 Rio Arriba Co., NM

Elevation: 6765' GR 6781' KB
 API #: 30-039-30160



CliffHouse/Menefee 5634' - 6002' (52, 0.36" holes) Frac w/
 9920# 14/30 LiteProp 125 followed by 3280# 20/40 brown
 sand.

Point Lookout 6098' - 6420' (52, 0.36" holes) Frac w/ 9920#
 14/30 LiteProp 125 followed by 3280# 20/40 brown sand.

Dakota 8302' - 8402' (22, 0.34" holes) Frac w/ 9900# Lite
 Prop 108.

Mesaverde Tubing: 204 jts 2-1/16", 3.25#, J-55
 landed @ 6412' as follows. orange peeled perf sub, 1.50"
 SN @ 6410' & 204 jts tbg.

Dakota Tubing: 270 jts 2-1/16", 3.25#, J-55
 tbg landed @ 8408' as follows. 1/2" mule shoe
 pup jt, 1.50" SN @ 8406', 62 jts tbg, 2.688"
 seal assembly, 207 jts tbg, 4' & 8' pup jts & 1
 jt tbg.

8302'

8402'

106 jts of 5-1/2", 17#, N-80, LT&C csg. Set @ 8433'.

HOLE SIZE	CASING	CEMENT	CU. FT.	CMT TOP
14 3/4"	10 3/4", 40.5#	3 14 s xs	444 cu.ft.	surface
9 7/8"	7 5/8", 26#	897 s xs	1802 cu.ft.	surface
6 3/4"	5 1/2", 17#	205 s xs	441 cu.ft.	5100'

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			
⁴ API Number 30 - 039-30160		⁵ Pool Name BASIN DAKOTA						⁶ Pool Code 71599	
⁷ Property Code 17033		⁸ Property Name ROSA UNIT						⁹ Well Number 186	

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the 1660'	North/South Line NORTH	Feet from the 930'	East/West line WEST	County Rio Arriba
E	27	31N	5W						

III. 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					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 O/G/W
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE AZ 85267	O
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA OK 74102	G

IV. Well Completion Data

²¹ Spud Date 08/01/07	²² Ready Date 10/10/07	²³ TD 8434'	²⁴ PBTD 8419'	²⁵ Perforations 8302' - 8402'	²⁶ DHC, MC phr @ 6480'
²⁷ Hole Size 14 1/4"	²⁸ Casing & Tubing Size 10 1/4", 40.5#, K-55		²⁹ Depth Set 315'		³⁰ Sacks Cement 314
9 5/8"	7 1/2", 26#, J-55		4158'		897
6 3/4"	5 1/2", 17#, N-80		8433'		205
	2-1/16", 3.25#, J-55		8408'		RCVD NOV 1 '07 OIL CONS. DIV.

VI. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date 09/25/07	³⁴ Test Length 1 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 2
³⁷ Choke Size 2"	³⁸ Oil	³⁹ Water	⁴⁰ Gas / 200 4800		⁴¹ Test Method Pitot
42 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.			11/19/07	OIL CONSERVATION DIVISION	
Signature: Tracy Ross			Approved by: Chad H. 11-19-07		
Printed name: Tracy Ross			Title: SUPERVISOR DISTRICT # 3		
Title: Sr. Production Analyst			Approval Date: NOV 19 2007		
E-mail Address: Tracy.ross@williams.com			File PLT by 12/19/07		
Date: 10/29/07	Phone: 918-573-6254	CBL			

8

January 21, 2010

The Rosa Unit #184C Dakota Well (non-commercial) is located 845 feet from the North Line and 2525 feet from the East Line, Section 34 Township 31 North, Range 05 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 17, 2007, and completed in the Dakota formation on November 5, 2007. The Dakota formation was completed with a pre-perforated liner between the following depths: 8298' to 8392'. This well has a 2 1/16" tubing string. This well was shut in with a SICP of 0 psig. On October 24, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 1/16" tubing, the well gauged 175 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:

- ARIES 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

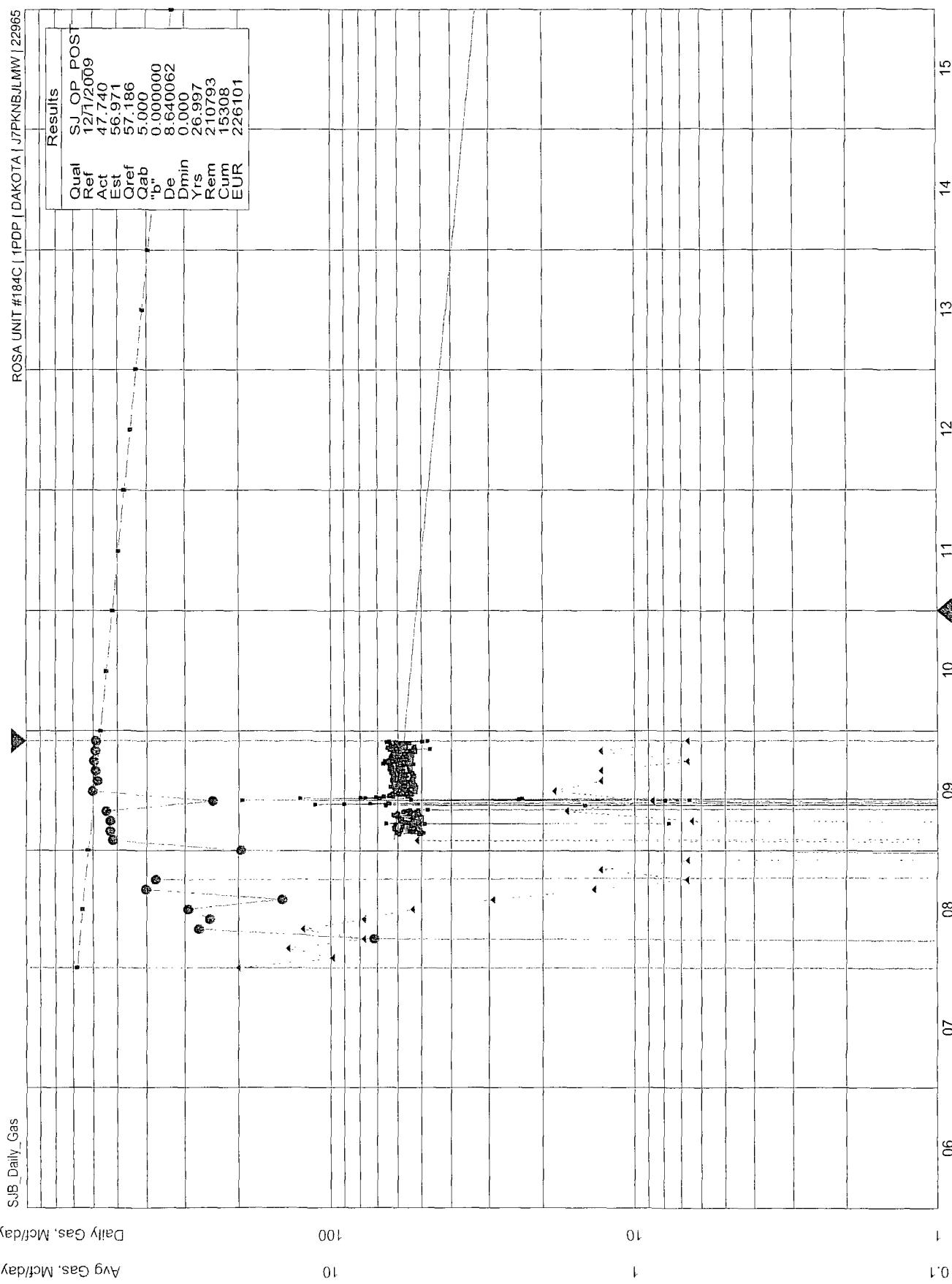
Marcia Brueggenjohann
Manager, Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

Avg Water, Bbl/day

10

1

0.1



Rosa Unit #184C DK economic output.txt

PropID: 22965 RSV CAT: 1PDP
 Date: 01/22/2010
 Well Name: ROSA UNIT #184C
 Time: 08:47:43
 Field: BASIN
 DBS: SJB
 Cnty: RIO ARRIBA St: NM
 Settings: SETDATA_JCM
 Reservoir: DAKOTA
 Scenario: SJB-OP-PostAudit
 Operator: WPC

T I A L	C A L C U L A T E D	C O M B I N E D	I N P U T	D A T A	I N I
KEYWORD &	DATA				

Ref. Code @ End Pt.	Beginning, Init.	Ending Deff.	Rates Init.	Schedule Final	Limit Rate	Method & value	Ultimate
---------------------	------------------	--------------	-------------	----------------	------------	----------------	----------

400	START	01/2008						
401	GAS	68.00	5.00	M/D	X	YRS	EXP	8.64
274.961	11/2036	8.6400		2068.				
500	PRI/GAS	01/2007	5.617	6.487	6.677	5.957	#/M	
		4/2007						
501	"	x 6.627	6.827	6.197	4.987	#/M		
		8/2007						
502	"	x 4.587	5.117	6.057	6.497	#/M		
		12/2007						
503	"	01/2008	6.377	7.277	8.087	8.277	#/M	
		4/2008						
504	"	x 9.427	9.846	11.356	7.637	#/M		
		8/2008						
505	"	x 6.427	4.267	2.837	4.627	#/M		
		12/2008						
506	"	01/2009	4.827	3.107	2.687	2.617	#/M	
		4/2009						
507	"	x 2.497	2.647	2.977	3.177	#/M		
		8/2009						
508	"	x 2.467	3.417	4.257	4.679	#/M		
		12/2009						
509	"	01/2010	5.72	#/M				
		1/2010						
510	"	5.72	x 5.720	\$/M	TO 5.720	LIFE	PC	0.00
		11/2036						
600	ATX	2.10	x 0.021	%	TO 0.021	LIFE	PC	0.00
		11/2036						
601	STX/GAS	9.00	x 0.090	%	TO 0.090	LIFE	PC	0.00
		11/2036						
602	OPC/T	750.00	x 750.000	\$/M	TO 750.000	LIFE	PC	0.00
		11/2036						
705	LSE/WI	1.0000	D 1.000	FRAC	TO 1.000	LIFE	FLAT	0.00
		11/2036						
720	NET/OIL	0.8650	D 0.865	FRAC	TO 0.865	LIFE	FLAT	0.00
		11/2036						

740 NET/GAS 0.8650 Rosa Unit #184C DK economic output.txt
 11/2036 D FRAC TO LIFE FLAT 0.00

OVERLAYS	Beginning	Ending	Rates	Schedule	Limit	Method & value	Ultimate
@ End Pt.	Init.	Deff	Init.	Rate	Final	Rate	
901 S 92 11/2036	S/95	X	FRAC	TO	LIFE	DIV	146.00
903 S /89 11/2036	0.54	X	FRAC	TO	LIFE	MUL	92.00
905 S /89 11/2036	1.20	X	FRAC	TO	LIFE	MUL	89.00
907 S /196 11/2036	S/196	X	FRAC	TO	LIFE	MINUS	89.00
909 S /92 11/2036	S/95	X	FRAC	TO	LIFE	DIV	146.00
911 S /88 11/2036	0.06	X	FRAC	TO	LIFE	MUL	92.00
913 S /88 11/2036	1.00	X	FRAC	TO	LIFE	MINUS	88.00
915 S /196 11/2036	S/196	X	FRAC	TO	LIFE	MUL	88.00

916 GAS 01/2007 0 0 0 0 0 0 0 0 0 0 0 0 2 0 0 222 810 #
 21.463 4/2008 X 772 880 447 1244 1119 0 0 609 1602 1481 1637 1630 #
 32.884 4/2009 X 755 1805 1800 1825 1789 1826 1764 #
 44.448 11/2009

INVESTMENTS	Tangible	Intang	Units	Invest.	Point	Method & value	Total
T&I	Month	Risk Inv.	Tot.	T&I&R	Esc.	T&I&R	
800 CAPITAL	174.36	697.44	M\$G		12/2007 AD	ESC	INV
871.799	12/2007	0		871.7	0.0		

MISCELLANEOUS DATA PARAMETERS

201 BTU	1.20
202 WELLS	0.00
203 CUMO, MB	0.00
250 LOSS	NO
	CUMG, MMF
	20.43
	CUML, MB

PROJECT RUN SETTINGS

Base Date : 01/2000	Time Frames : 64*12	
P.W. Date : 01/2007	Primary Pw% : 10.0	Discount Freq. : MID
Report Date : 01/2007		
Qualifiers : Prod = SJ_OP_POST	Price = SJ_OP_POST	Cost = SJ_OP_POST
Owner = SJ_OP_POST	Title = BASE	Misc = BASE
Overlay = SJ_OP_POST		Invest = SJ_OP_POST
□ PropID: 22965 RSV CAT: 1PDP	DATE : 01/22/20	

10 Well Name: ROSA UNIT #184C

Rosa Unit #184C DK economic output.txt
 TIME : 08:47:43

Field: BASIN

DBS : SJB

Cnty: RIO ARRIBA St: NM

SETTINGS : SETDATA_JCM

Reservoir: DAKOTA

SCENARIO : SJB-OP-PostAudit

Operator: WPC

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

S

EFFECTIVE DATE: 01/2007

-----PRICES-----

MO-YEAR	OPERATIONS, M\$			NET PRODUCTION			OIL	GAS	NO. OF WELLS
	OIL REVENUE	GROSS REVENUE	PRODUCTION--- GAS MBBL	OTHER MMCF	OIL, MBB	GAS, MMC	\$/B	\$/M	
01-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
02-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
03-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
04-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
05-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
06-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
07-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
08-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
09-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
10-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
11-2007	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	0.0
12-2007	0.000	0.000	0.002	0.000	0.000	0.00	0.00	0.000	1.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	1.0
01-2008	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	1.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	1.0
02-2008	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	1.0
	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.000	1.0
03-2008	0.000	0.000	0.222	0.000	0.000	0.192	0.00	8.318	1.0
	0.000	1.597	0.000	0.000	0.000	0.192	0.00	8.318	1.0
04-2008	0.000	0.000	0.810	0.000	0.000	0.701	0.00	8.530	1.0
	0.000	5.977	0.000	0.000	0.000	0.701	0.00	8.530	1.0
05-2008	0.000	0.000	0.772	0.000	0.000	0.668	0.00	9.813	1.0
	0.000	6.553	0.000	0.000	0.000	0.668	0.00	9.813	1.0
06-2008	0.000	0.000	0.880	0.000	0.000	0.761	0.00	10.280	1.0
	0.000	7.825	0.000	0.000	0.000	0.761	0.00	10.280	1.0
07-2008	0.000	0.000	0.447	0.000	0.000	0.387	0.00	11.964	1.0
	0.000	4.626	0.000	0.000	0.000	0.387	0.00	11.964	1.0
08-2008	0.000	0.000	1.244	0.000	0.000	1.076	0.00	7.816	1.0

Rosa Unit #184C DK economic output.txt

	0.000	8.411	0.000					
S TOT	0.000	0.000	34.988	4.377	0.000	3.784	0.00	9.245
AFTER	0.000	0.000	1074.057	227.916	0.000	197.147	0.00	5.448
TOTAL	0.000	0.000	1109.045	232.293	0.000	200.932	0.00	5.520
-----OPERATIONS, M\$-----						-----CAPITAL-----		
COSTS, M\$-----				10.0%				
--END--	SEVERANCE	AD VAL	NET CASH FLOW	OPER CUM. EXPENSES	OPERATION DISC	TANGIBLE	INTANG.	
SALVAGE	TOTAL TAXES	TAXES BTAX,	M\$	BTAX,	M\$			
MO-YEAR	VALUE	EQUITY INV						
-----	-----	-----	-----	-----	-----	-----	-----	-----
01-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-2007	0.000	0.000	0.000	0.000	0.000	0.000	174.360	697.439
0.000	871.799	-871.799	-798.864					
01-2008	0.000	0.000	0.750	-0.750	0.000	0.000	0.000	0.000
0.000	0.000	-0.750	-799.544					
02-2008	0.000	0.000	0.750	-0.750	0.000	0.000	0.000	0.000
0.000	0.000	-0.750	-800.217					
03-2008	0.144	0.031	0.750	0.673	0.000	0.000	0.000	0.000
0.000	0.000	0.673	-799.617					
04-2008	0.538	0.114	0.750	4.575	0.000	0.000	0.000	0.000
0.000	0.000	4.575	-795.573					
05-2008	0.590	0.125	0.750	5.088	0.000	0.000	0.000	0.000
0.000	0.000	5.088	-791.110					
06-2008	0.704	0.150	0.750	6.221	0.000	0.000	0.000	0.000
0.000	0.000	6.221	-785.696					
07-2008	0.416	0.088	0.750	3.371	0.000	0.000	0.000	0.000
0.000	0.000	3.371	-782.786					
08-2008	0.757	0.161	0.750	6.743	0.000	0.000	0.000	0.000
0.000	0.000	6.743	-777.010					
S TOT	3.149	0.669	6.000	25.171	174.360	697.439		

Rosa Unit #184C DK economic output.txt						
0.000	871.799	-846.628	-777.010			
AFTER 0.000	96.665 0.000	20.525 714.616	242.250 -445.876	714.616	0.000	0.000
TOTAL 0.000	99.814 871.799	21.194 -132.012	248.250 -445.876	739.787	174.360	697.439

□ PropID: 22965 RSV CAT: 1PDP
DATE : 01/22/20

10
Well Name: ROSA UNIT #184C
TIME : 08:47:43
Field: BASIN
DBS : SJB
Cnty: RIO ARRIBA St: NM
SETTINGS : SETDATA_JCM
Reservoir: DAKOTA
SCENARIO : SJB-OP-PostAudit
Operator: WPC

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

EFFECTIVE DATE: 01/2007

10.0%							
--END--	TAXABLE TAXES	DEPRECIA- CASH FLOW	DEPLETION CUM.	INTANG.	INTEREST	TAXABLE	TAX
MO-YEAR	CASH FLOW PAYABLE	TION ATAX	DISC ATAX	EXPENSED	PAID & CAP	INCOME	CREDIT
M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----
01-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-2007	0.000	0.000	0.000	697.439	0.000	-697.439	
	-244.104	-627.695	-576.069				
01-2008	-0.750	2.075	0.000	0.000	0.000	-2.825	
0.000	-0.989	0.239	-575.853				
02-2008	-0.750	2.075	0.000	0.000	0.000	-2.825	
0.000	-0.989	0.239	-575.638				
03-2008	0.673	2.075	0.000	0.000	0.000	-1.402	

	Rosa	Unit	#184C	DK	economic	output.txt
0.000	-0.491	1.164	-574.601			
04-2008	4.575	2.075	0.000	0.000	0.000	2.500
0.000	0.875	3.700	-571.330			
05-2008	5.088	2.075	0.000	0.000	0.000	3.013
0.000	1.054	4.033	-567.792			
06-2008	6.221	2.075	0.000	0.000	0.000	4.146
0.000	1.451	4.770	-563.641			
07-2008	3.371	2.075	0.000	0.000	0.000	1.296
0.000	0.454	2.917	-561.123			
08-2008	6.743	2.075	0.000	0.000	0.000	4.668
0.000	1.634	5.109	-556.746			
09-2008	4.827	2.075	0.000	0.000	0.000	2.752
0.000	0.963	3.864	-553.463			
10-2008	-0.750	2.075	0.000	0.000	0.000	-2.825
0.000	-0.989	0.239	-553.262			
11-2008	-0.750	2.075	0.000	0.000	0.000	-2.825
0.000	-0.989	0.239	-553.062			
12-2008	1.343	2.075	0.000	0.000	0.000	-0.732
0.000	-0.256	1.599	-551.735			
12-2009	36.339	42.701	0.000	0.000	0.000	-6.362
0.000	-2.227	38.565	-521.346			
12-2010	77.683	30.496	0.000	0.000	0.000	47.187
0.000	16.516	61.167	-477.529			
12-2011	70.193	21.778	0.000	0.000	0.000	48.416
0.000	16.946	53.248	-442.853			
12-2012	63.351	15.570	0.000	0.000	0.000	47.781
0.000	16.723	46.628	-415.248			
12-2013	57.100	15.570	0.000	0.000	0.000	41.529
0.000	14.535	42.564	-392.340			
12-2014	51.389	15.570	0.000	0.000	0.000	35.818
0.000	12.536	38.852	-373.330			
S-TOT	385.895	166.584	0.000	697.439	0.000	-478.128
0.000	-167.345	-318.560	-373.330			
AFTER	353.892	7.776	0.000	0.000	0.000	346.116
0.000	121.141	232.752	-304.647			
TOTAL	739.787	174.360	0.000	697.439	0.000	-132.012
0.000	-46.204	-85.808	-304.647			

BTAX RATE OF RETURN (PCT)	0.00	ATAX RATE OF RETURN (PCT)	0.00
PRESENT WORTH PROFILE			
BTAX PAYOUT YEARS	28.58	ATAX PAY OUT YEARS	28.58
BTAX PAYOUT YEARS (DISC)	28.58	ATAX PAY OUT YEARS (DISC)	28.58
P.W. B.F.I.T. A.F.I.T			
BTAX NET INCOME/INVEST	0.85	ATAX NET INCOME/INVEST	0.90
FACTOR WORTH WORTH			
BTAX NET INCOME/INVEST(DISC)	0.44	ATAX NET INCOME/INVEST(DISC)	0.62
%---- M\$----- M\$----			

0.00	-132.0	-85.8			
PRODUCTION START DATE	10.00	-445.9	01/2008	PROJECT LIFE (YEARS)	28.58
		-304.		DISCOUNT - RATE (PCT)	10.00
15.00	-500.5	-344.6			
17.00	-514.1	-354.8			
INITIAL OIL PRICE (\$/B)	18.00	-519.6	0.000	INITIAL GAS PRICE (\$/M)	7.790
MAXIMUM OIL PRICE (\$/B)	20.00	-528.5	0.000	MAXIMUM GAS PRICE (\$/M)	5.679
		-366.0			

Rosa Unit #184C DK economic output.txt

GROSS OIL WELLS		0.	GROSS GAS WELLS	1.
25.00	-541.6	-376.8		
30.00	-545.7	-381.2		
CUMULATIVE OIL (MBBL)			CUMULATIVE GAS (MMF)	20.427
40.00	-539.7	-379.4		
REMAINING OIL (MBBL)			REMAINING GAS (MMCF)	232.293
50.00	-524.8	-370.7		
ULTIMATE OIL (MBBL)			ULTIMATE GAS (MMCF)	252.720
60.00	-506.4	-359.1		
70.00	-487.2	-346.6		
INITIAL WI (PCT)		100.000	FINAL WI (PCT)	100.000
80.00	-468.2	-333.9		
INITIAL NET OIL (PCT)		0.000	FINAL NET OIL (PCT)	0.000
90.00	-449.8	-321.6		
INITIAL NET GAS (PCT)		9601.499	FINAL NET GAS (PCT)	86.500
100.00	-432.5	-309.8		

C:FILE
C:W

In Lieu of
Form 3160-4
July 1992

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
NOV 21 2007 BUREAU OF LAND MANAGEMENT

SUBMIT IN

DUPLICATE

(See other instructions on
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

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

2. NAME OF OPERATOR

NOV 15 2007

WILLIAMS PRODUCTION COMPANY

3. ADDRESS AND TELEPHONE NO.

Bureau of Land Management
Fargo Field Office
P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At Surface: 845' FNL & 2525' FEL

At top production interval reported below:

At total depth:

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR

13. STATE

NEW MEXICO

15. DATE

16. DATE T.D.

SPUDDED

REACHED

09/17/07

10/03/07

20. TOTAL DEPTH, MD & TVD

8420' MD

21. PLUG, BACK T.D., MD & TVD

18. ELEVATIONS (DK, RKB, RT, GR, ETC.)*

6776' GR

19. ELEVATION CASINGHEAD

22. IF MULTCOMP.,

HOW MANY

2

23. INTERVALS

DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

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

BASIN DAKOTA 8298' - 8392'

26. TYPE ELECTRIC AND OTHER LOGS RUN

25. WAS DIRECTIONAL SURVEY MADE

YES

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
10 1/2", K-55	40.5#	325'	14 1/2"	298 SX - SURFACE	
7 1/2", J-55	26.4#	4092'	9 1/2"	850 SX - SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5 1/2", 17#, N-80	0'	8418'	205 SX		2-1/16", J-55, 3.25#	8376'	6390'

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

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.				30. TUBING RECORD		
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED		
8298' - 8292'				Fraced w/ 10,000# Lite Prop 108, followed w/ 3300# SB Excel 20/40.		

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 for C-104 approval		
DATE OF TEST	TESTED	CHOKE SIZE	PRODN FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
10/24/07	1 hr	2"		175			
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
0	1.5						

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

TEST WITNESSED BY: AJ Rector

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 Rose

TITLE Sr. Production Analyst DATE November 12, 2007

OPERATOR

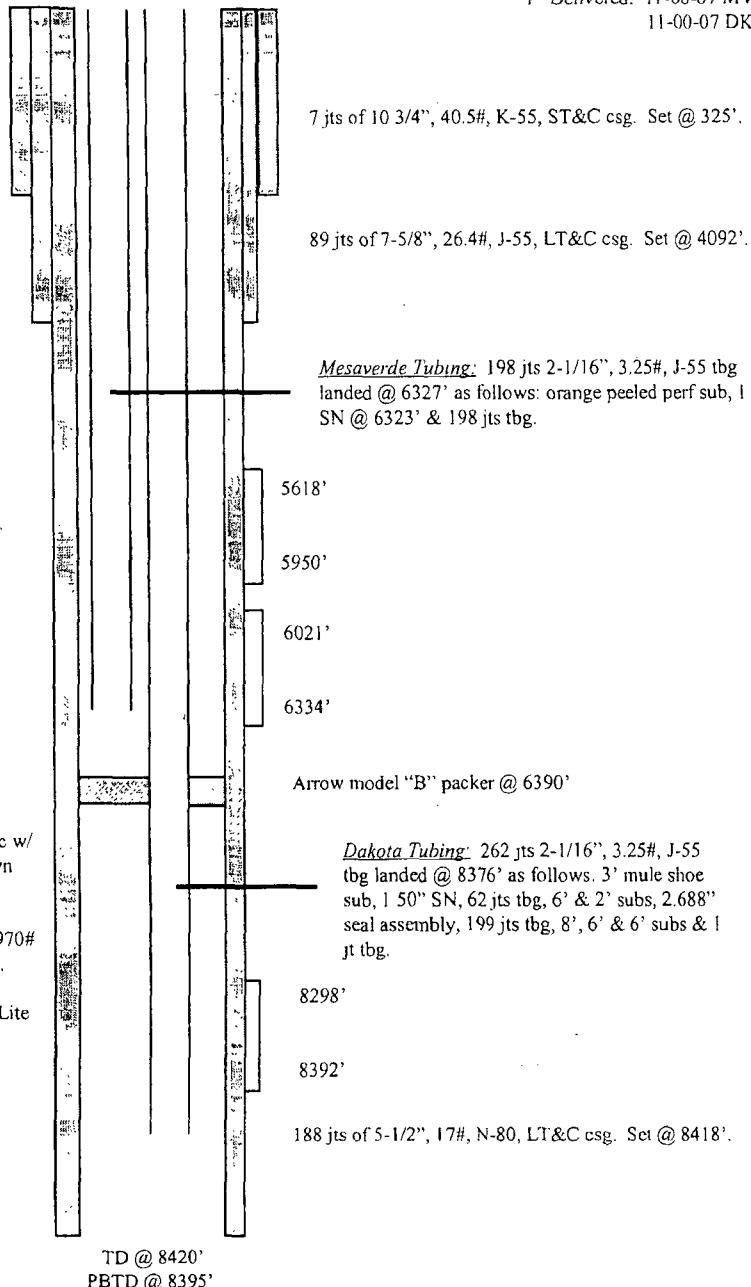
T. Salvers

ROSA UNIT #184C
BLANCO MV/BASIN DK

Spud Date: 09-17-07
Completed: 11-05-07
1st Delivered: 11-00-07 MV
11-00-07 DK

Location:
845' FNL & 2525' FEL
NW 1/4 NE 1/4 Section 34(B), T31N, R05W
Rio Arriba Co., NM

Elevation: 6776' GR 6792' KB
API #: 30-039-30143



Cliffhouse/Menefee 5618' - 5950' (53, 0.38" holes) Frac w/ 9970# 14/30 LiteProp 125 followed w/ 3030# 20/40 brown sand

Point Lookout 6021' - 6334' (55, 0.38" holes) Frac w/ 9970# 14/30 LiteProp 125 followed w/ 3030# 20/40 brown sand.

Dakota 8298' - 8392' (90, 0.38" holes) Frac w/ 10,000# Lite Prop 108 followed w/ 3300# SB Excel 20/40.

188 jts of 5-1/2", 17#, N-80, LT&C csg. Set @ 8418'.

HOLE SIZE	CASING	CEMENT	CU. FT.	CMT TOP
14 3/4"	10 3/4", 40.5#	298 s xs	420 cu.ft.	surface
9 7/8"	7 5/8", 26.4#	850 s xs	1715 cu.ft.	surface
6 3/4"	5 1/2", 17#	205 s xs	431 cu.ft.	4230'

District I
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised June 10, 2003

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

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

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 - 039-30143		5 Pool Name BASIN DAKOTA				6 Pool Code 71599	
7 Property Code 17033		8 Property Name ROSA UNIT				9 Well Number 184C	

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
B	34	31N	5W		845'	NORTH	2525'	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					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 O/G/W
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE AZ 85267	O
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA OK 74102	G
		RCVD NOV 15 '07

IV. Well Completion Data

21 Spud Date 09/17/07	22 Ready Date 11/05/07	23 TD 8420'	24 PBTD	25 Perforations 8298' - 8392'	26 DHC/MC DIST. 3
27 Hole Size 14 3/4"	28 Casing & Tubing Size 10 1/4", 40.5#, K-55	29 Depth Set 325'	30 Sacks Cement 298		
9 1/2"	7 5/8", 26.4#, J-55	4092'	850		
6 3/4"	5 1/2", 17#, N-80	8418'	205		
	2-1/16", 3.25#, J-55	8376'	Prk set @ 6390'		

VI. Well Test Data

31 Date New Oil	32 Gas Delivery Date	33 Test Date 10/24/07	34 Test Length 1 hr	35 Tbg. Pressure 0	36 Csg. Pressure 1.5
37 Choke Size 2"	38 Oil	39 Water	40 Gas 175	41 Test Method Pitot	

42 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

11/20/07 OIL CONSERVATION DIVISION

Approved by:

Charles L. 11-21-07

Printed name:

Tracy Ross

Title: SUPERVISOR DISTRICT # 3

Title:

Sr. Production Analyst

Approval Date:

NOV 21 2007

E-mail Address:

Tracy.ross@williams.com

File PLT by Dec. 15, '07

Date:

11/12/07

Phone:

918-573-6254

PLT approval

8

January 21, 2010

The Rosa Unit #022B Dakota Well (non-commercial) is located 0990 feet from the North Line and 1330 feet from the East Line, Section 18 Township 31 North, Range 05 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on October 2007, and completed in the Dakota formation on December 2, 2007. The Dakota formation was completed with a pre-perforated liner between the following depths: 8206' to 8282'. This well has a 2 1/16" tubing string. This well was shut in with a SICP of 0 psig. On November 19, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 1/16" tubing, the well gauged 158 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.

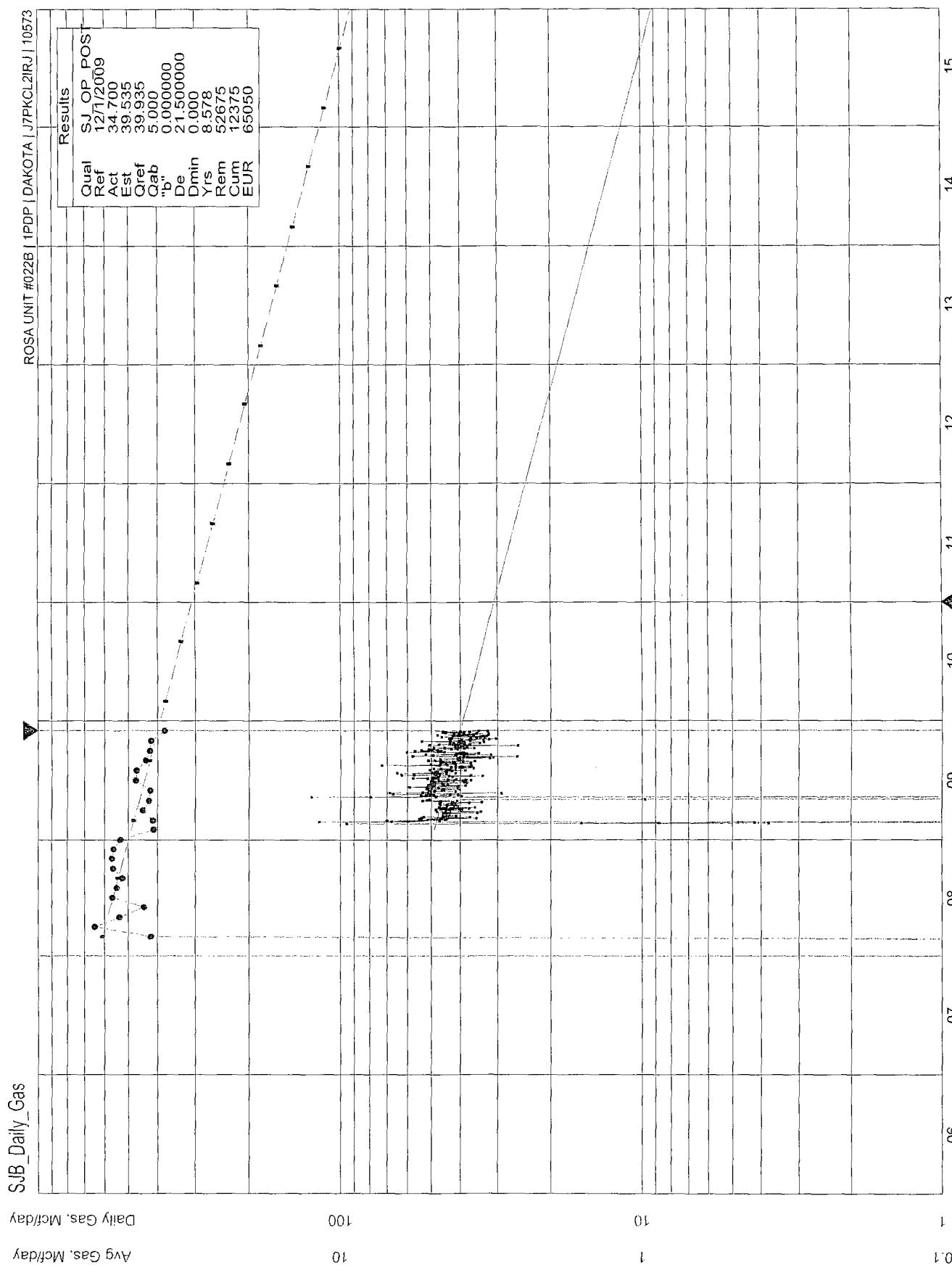
Attached to this document are the following:

- ARIES 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

Marcia Brueggenjohann
Manager, Reservoir Engineering
Williams Exploration and Production, San Juan Basin Unit

Avg Water, Bbl/day 1000 100 10



Rosa Unit #22B DK economic output.txt

PropID: 10573 RSV CAT: 1PDP
 Date: 01/22/2010
 Well Name: ROSA UNIT #022B
 Time: 10:21:03
 Field: BASIN
 DBS: SJB
 Cnty: RIO ARRIBA St: NM
 Settings: SETDATA_JCM
 Reservoir: DAKOTA
 Scenario: SJB-OP-PostAudit
 Operator: WPC

T I A L	C A L C U L A T E D	C O M B I N E D	I N P U T	D A T A	I N I
KEYWORD &		C A L C U L A T E D			

Ref. Code @ End Pt.	Beginning, Deff.	Ending Init.	Rates Init.	Schedule Final	Limit Rate	Method & value	ultimate
---------------------	------------------	--------------	-------------	----------------	------------	----------------	----------

400 START 03/2008

401 GAS 61.00 5.00 M/D X 152. YRS EXP 21.50
134.581 6/2018 21.5000 1855.

500 PRI/GAS 01/2007 5.617 6.487 6.677 5.957 #/M
4/2007

501 " X 6.627 6.827 6.197 4.987 #/M
8/2007

502 " X 4.587 5.117 6.057 6.497 #/M
12/2007

503 " 01/2008 6.377 7.277 8.087 8.277 #/M
4/2008

504 " X 9.427 9.846 11.356 7.637 #/M
8/2008

505 " X 6.427 4.267 2.837 4.627 #/M
12/2008

506 " 01/2009 4.827 3.107 2.687 2.617 #/M
4/2009

507 " X 2.497 2.647 2.977 3.177 #/M
8/2009

508 " X 2.467 3.417 4.257 4.679 #/M
12/2009

509 " 01/2010 5.72 #/M
1/2010

510 " 5.72 X 5.720 \$/M TO 5.720 LIFE PC 0.00
6/2018

600 ATX 2.10 X 0.021 % TO 0.021 LIFE PC 0.00
6/2018

601 STX/GAS 9.00 X 0.090 % TO 0.090 LIFE PC 0.00
6/2018

602 OPC/T 550.00 X 550.000 \$/M TO 550.000 LIFE PC 0.00
6/2018

705 LSE/WI 1.0000 D 1.000 FRAC TO 1.000 LIFE FLAT 0.00
6/2018

720 NET/OIL 0.8650 D 0.865 FRAC TO 0.865 LIFE FLAT 0.00
6/2018

740 NET/GAS 0.8650 Rosa Unit #22B DK economic output.txt
 6/2018 D FRAC TO LIFE FLAT 0.00
 0.865 0.865

OVERLAYS Beginning, Ending Rates Schedule Limit Method & Value Ultimate
 @ End Pt. Init. Deff Init. Rate Final Rate

901 S 92 6/2018	S/95	X	FRAC	TO	LIFE	DIV	146.00
903 S /89 6/2018	0.42	X	FRAC	TO	LIFE	MUL	92.00
905 S /89 6/2018	0.99	X	FRAC	TO	LIFE	MUL	89.00
907 S /196 6/2018	S/196	X	FRAC	TO	LIFE	MINUS	89.00
909 S /88 6/2018	0.07	X	FRAC	TO	LIFE	MUL	92.00
911 S /88 6/2018	1.00	X	FRAC	TO	LIFE	MINUS	88.00
913 S /196 6/2018	S/196	X	FRAC	TO	LIFE	MUL	88.00

914 GAS 01/2007 0 0 0 0 0 0 0 0 0 0 0 1 0 1218 2003 1602 #
 54.967 4/2008
 915 " X 1373 1694 1690 1618 1687 1754 1675 1645 1275 1157 #
 70.535 2/2009
 916 " X 1386 1280 1307 1413 1456 1355 1269 1302 1135 #
 82.438 11/2009

INVESTMENTS Tangible Intang Units Invest. Point Method & Value Total
 T&I Month Risk Inv. Tot. T&I&R Esc. T&I&R

800 CAPITAL 1043.441	208.69 3/2008	834.75 0	M\$G 1043.4	03/2008 AD 0.0	ESC INV
-------------------------	------------------	-------------	----------------	-------------------	---------

MISCELLANEOUS DATA PARAMETERS

201 BTU	0.99
202 WELLS	0.00
203 CUMO, MB	0.00
250 LOSS	NO
	CUMG, MMF
	50.14
	CUML, MB

PROJECT RUN SETTINGS

```

Base Date : 01/2000 Time Frames : 64*12
P.W. Date : 01/2007 Primary PW% : 10.0      Discount Freq. : MID
Report Date : 01/2007
Qualifiers : Prod = SJ_OP_POST     Price = SJ_OP_POST     Cost    = SJ_OP_POST
Owner   = SJ_OP_POST           Title = BASE          Misc   = BASE        Invest = SJ_OP_POST
Overlay = SJ_OP_POST
PropID: 10573 RSV CAT: 1PDP
DATE      : 01/22/20
10
Well Name: ROSA UNIT #022B
TIME      : 10:21:03
Field: BASIN

```

Rosa Unit #22B DK economic output.txt
 DBS : SJB
 Cnty: RIO ARRIBA St: NM
 SETTINGS : SETDATA_JCM
 Reservoir: DAKOTA
 SCENARIO : SJB-OP-PostAudit
 Operator: WPC

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

S

EFFECTIVE DATE: 01/2007

-----PRICES-----

----OPERATIONS, M\$----				----NET PRODUCTION----				OIL	GAS	NO. OF
--END--	---GROSS PRODUCTION---	OIL	GAS	OIL,	MBB	GAS,	MMC	\$/B	\$/M	WELLS
MO-YEAR	OIL, MBB REVENUE	GAS REVENUE	OTHER REVENUE							
01-2007	0.000	0.000	0.000	0.000		0.000		0.00	0.000	0.0
	0.000	0.000	0.000							
02-2007	0.000	0.000	0.000	0.000		0.000		0.00	0.000	0.0
	0.000	0.000	0.000							
03-2007	0.000	0.000	0.000	0.000		0.000		0.00	0.000	0.0
	0.000	0.000	0.000							
04-2007	0.000	0.000	0.000	0.000		0.000		0.00	0.000	0.0
	0.000	0.000	0.000							
05-2007	0.000	0.000	0.000	0.000		0.000		0.00	0.000	0.0
	0.000	0.000	0.000							
06-2007	0.000	0.000	0.000	0.000		0.000		0.00	0.000	0.0
	0.000	0.000	0.000							
07-2007	0.000	0.000	0.000	0.000		0.000		0.00	0.000	0.0
	0.000	0.000	0.000							
08-2007	0.000	0.000	0.000	0.000		0.000		0.00	0.000	0.0
	0.000	0.000	0.000							
09-2007	0.000	0.000	0.000	0.000		0.000		0.00	0.000	0.0
	0.000	0.000	0.000							
10-2007	0.000	0.000	0.000	0.000		0.000		0.00	0.000	0.0
	0.000	0.000	0.000							
11-2007	0.000	0.000	0.000	0.000		0.000		0.00	0.000	0.0
	0.000	0.000	0.000							
12-2007	0.000	0.001	0.000	0.000		0.000		0.00	0.000	1.0
	0.000	0.000	0.000							
01-2008	0.000	0.000	0.000	0.000		0.000		0.00	0.000	0.0
	0.000	0.000	0.000							
02-2008	0.000	1.218	0.000	0.000		0.000		0.00	0.000	1.0
	0.000	0.000	0.000							
03-2008	0.000	2.003	0.000	0.000		1.733		0.00	6.884	1.0
	0.000	11.926	0.000							
04-2008	0.000	1.602	0.000	0.000		1.386		0.00	7.056	1.0
	0.000	9.777	0.000							
05-2008	0.000	1.373	0.000	0.000		1.188		0.00	8.096	1.0
	0.000	9.616	0.000							
06-2008	0.000	1.694	0.000	0.000		1.465		0.00	8.476	1.0
	0.000	12.419	0.000							
07-2008	0.000	1.690	0.000	0.000		1.462		0.00	9.842	1.0
	0.000	14.388	0.000							
08-2008	0.000	1.618	0.000	0.000		1.400		0.00	6.476	1.0
	0.000	9.064	0.000							

S	TOT	Rosa	Unit	#22B	DK	economic	output.txt			
	0.000	0.000	67.190	11.199	0.000	0.000	8.633	0.00	7.783	1.0
AFTER	0.000	0.000	266.261	73.771	0.000	0.000	63.812	0.00	4.173	1.0
TOTAL	0.000	0.000	333.451	84.970	0.000	0.000	72.445	0.00	4.603	1.0
<hr/>										
-----OPERATIONS, M\$-----										
COSTS, M\$-----										
--END--	SEVERANCE	AD	VAL	NET	OPER	OPERATION		TANGIBLE		CAPITAL
SALVAGE	TOTAL		CASH	FLOW	CUM.	DISC				INTANG.
MO-YEAR	TAXES		TAXES		EXPENSES		CASH FLOW	INV.		
VALUE	EQUITY	INV	BTAX,	M\$	BTAX,	M\$				
<hr/>										
01-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
01-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-2008	1.073	0.228		0.550		10.075	208.688		834.753	
0.000	1043.441	-1033.366		-924.654						
04-2008	0.880	0.187		0.550		8.160	0.000		0.000	
0.000	0.000	8.160		-917.439						
05-2008	0.865	0.184		0.550		8.016	0.000		0.000	
0.000	0.000	8.016		-910.408						
06-2008	1.118	0.237		0.550		10.514	0.000		0.000	
0.000	0.000	10.514		-901.258						
07-2008	1.295	0.275		0.550		12.268	0.000		0.000	
0.000	0.000	12.268		-890.666						
08-2008	0.816	0.173		0.550		7.525	0.000		0.000	
0.000	0.000	7.525		-884.221						
S TOT	6.047	1.284		3.300		56.559	208.688		834.753	
0.000	1043.441	-986.882		-884.221						

		Rosa Unit #22B	DK economic output.txt			
AFTER	23.963	5.088	64.900	172.309	0.000	0.000
0.000	0.000	172.309	-771.026			
TOTAL	30.011	6.372	68.200	228.868	208.688	834.753
0.000	1043.441	-814.573	-771.026			

□ PropID: 10573 RSV CAT: 1PDP
DATE : 01/22/20

10 Well Name: ROSA UNIT #022B
TIME : 10:21:03

Field: BASIN DBS : SJB

Cnty: RIO ARRIBA St: NM SETTINGS : SETDATA_JCM

Reservoir: DAKOTA SCENARIO : SJB-OP-PostAudit

Operator: WPC

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

EFFECTIVE DATE: 01/2007

10.0%							
--END--	TAXABLE	DEPRECIA-	DEPLETION	INTANG.	INTEREST	TAXABLE	TAX
MO-YEAR	TAXES	CASH FLOW	CUM. DISC	EXPENSED	PAID & CAP	INCOME	CREDIT
PAYABLE	ATAX	ATAX					
M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----
01-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000				
02-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000				
03-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000				
04-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000				
05-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000				
06-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000				
07-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000				
08-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000				
09-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000				
10-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000				
11-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000				
12-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000				
01-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000				
02-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000				
03-2008	10.075	2.980	0.000	834.753	0.000	-827.658	
0.000	-289.680	-743.686	-666.486				
04-2008	8.160	2.980	0.000	0.000	0.000	5.180	

Rosa Unit #22B DK economic output.txt

0.000	1.813	6.347	-660.874			
05-2008	8.016	2.980	0.000	0.000	0.000	5.036
0.000	1.763	6.254	-655.389			
06-2008	10.514	2.980	0.000	0.000	0.000	7.534
0.000	2.637	7.877	-648.534			
07-2008	12.268	2.980	0.000	0.000	0.000	9.288
0.000	3.251	9.017	-640.749			
08-2008	7.525	2.980	0.000	0.000	0.000	4.545
0.000	1.591	5.934	-635.666			
09-2008	6.446	2.980	0.000	0.000	0.000	3.466
0.000	1.213	5.233	-631.219			
10-2008	4.081	2.980	0.000	0.000	0.000	1.101
0.000	0.385	3.696	-628.104			
11-2008	2.202	2.980	0.000	0.000	0.000	-0.778
0.000	-0.272	2.474	-626.034			
12-2008	4.206	2.980	0.000	0.000	0.000	1.226
0.000	0.429	3.777	-622.900			
12-2009	23.408	51.108	0.000	0.000	0.000	-27.700
0.000	-9.695	33.103	-596.816			
12-2010	39.757	36.500	0.000	0.000	0.000	3.257
0.000	1.140	38.617	-569.153			
12-2011	29.790	26.065	0.000	0.000	0.000	3.725
0.000	1.304	28.486	-550.602			
12-2012	21.966	18.636	0.000	0.000	0.000	3.330
0.000	1.166	20.801	-538.287			
12-2013	15.824	18.636	0.000	0.000	0.000	-2.811
0.000	-0.984	16.808	-529.241			
12-2014	11.003	18.636	0.000	0.000	0.000	-7.633
0.000	-2.671	13.675	-522.550			
S-TOT	215.242	199.381	0.000	834.753	0.000	-818.891
0.000	-286.612	-541.587	-522.550			
AFTER	13.626	9.308	0.000	0.000	0.000	4.318
0.000	1.511	12.114	-517.386			
TOTAL	228.868	208.688	0.000	834.753	0.000	-814.573
0.000	-285.101	-529.472	-517.386			

BTAX RATE OF RETURN (PCT)	0.00	ATAX RATE OF RETURN (PCT)	0.00
PRESENT WORTH PROFILE			
BTAX PAYOUT YEARS	11.50	ATAX PAY OUT YEARS	11.50
BTAX PAYOUT YEARS (DISC)	11.50	ATAX PAY OUT YEARS (DISC)	11.50
P.W. B.F.I.T. A.F.I.T			
BTAX NET INCOME/INVEST	0.22	ATAX NET INCOME/INVEST	0.49
FACTOR WORTH WORTH			
BTAX NET INCOME/INVEST(DISC)	0.17	ATAX NET INCOME/INVEST(DISC)	0.45
%---- M\$----- M\$----			

0.00	-814.6	-529.5		
PRODUCTION START DATE	03/2008	PROJECT LIFE (YEARS)	11.50	
10.00	-771.0	-517.		
		DISCOUNT - RATE (PCT)	10.00	
15.00	-745.9	-505.7		
17.00	-735.7	-500.5		
INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	6.400	
18.00	-730.6	-497.9		
MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	4.741	
20.00	-720.4	-492.4		
GROSS OIL WELLS	0.	GROSS GAS WELLS	1.	
25.00	-695.2	-478.3		

Rosa Unit #22B DK economic output.txt

30.00	-670.7	-464.0			
	CUMULATIVE OIL (MBBL)		0.000	CUMULATIVE GAS (MMF)	48.924
40.00	-624.7	-435.8			
	REMAINING OIL (MBBL)		0.000	REMAINING GAS (MMCF)	84.970
50.00	-582.9	-409.3			
	ULTIMATE OIL (MBBL)		0.000	ULTIMATE GAS (MMCF)	133.894
60.00	-545.3	-384.8			
70.00	-511.5	-362.4			
	INITIAL WI (PCT)		100.000	FINAL WI (PCT)	100.000
80.00	-481.1	-342.0			
	INITIAL NET OIL (PCT)		0.000	FINAL NET OIL (PCT)	0.000
90.00	-453.7	-323.5			
	INITIAL NET GAS (PCT)	173259.484		FINAL NET GAS (PCT)	86.500
100.00	-429.0	-306.6			

O:TE
C:Hv
C:W

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

a. TYPE OF WELL: <input checked="" type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER	b. TYPE OF COMPLETION: <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER	c. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY	d. ADDRESS AND TELEPHONE NO.: P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254	e. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At Surface: 990' FNL & 1330' FEL At top production interval reported below: At total depth: 1010' FNL & 2456' FEL	f. FORM OR LEASE NAME, WELL NO. ROSA UNIT #22B			
g. DATE SPILLED: 10/10/07	h. DATE T.D. REACHED: 10/26/07	i. DATE COMPLETED (READY TO PRODUCE): 12/02/07	j. PERMIT NO.	k. DATE ISSUED	l. API WELL NO.: 30-039-30244-01D1			
m. TOTAL DEPTH, MD & TVD: 8300' MD	n. PLUG, BACK T.D., MD & TVD	o. IF MULTCOMP., HOW MANY: 2	p. INTERVALS DRILLED BY	q. FIELD AND POOL, OR WILDCAT: BASIN DAKOTA	r. SEC., T.R.M., OR BLOCK AND SURVEY OR AREA: NW/4 NE/4 SEC 18-31N-5W			
s. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*: Basin Dakota (8206 - 8282) ft.	t. ELEVATIONS (DK, RKB, RT, GR, ETC.)*: 6465' GR	u. COUNTY OR: RIO ARRIBA	v. STATE: NEW MEXICO	w. ELEVATION CASINGHEAD				
x. TYPE ELECTRIC AND OTHER LOGS RUN	y. WAS DIRECTIONAL SURVEY MADE: YES	z. 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			
10 1/4", K-55	40.5#	328'	14 1/4"	265 SX - SURFACE				
7 5/8", K-55	26.4#	3989'	9 7/8"	900 SX - SURFACE				
29. LINER RECORD								
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
5 1/2", 17#, N-80	0'	8298'	220 SX		2-1/16", J-55, 3.25#	8271'	6365'	
31. PERFORATION RECORD (Interval, size, and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
Dakota: 8206' - 8282'. Total of 51, 0.34" holes						DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED		
						8206' - 8282'	Fraced w/ 9900# Lite Prop 108 & 3000# SB-Excel	
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 C-104 approval		
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO	
11/19/07	1 hrs	2"			158			
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR.)	
0	5							
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD						TEST WITNESSED BY: Ellis King		
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 December 6, 2007

OPERATOR

T. Sample

ROSA UNIT #22B
BLANCO MV/BASIN DK

Spud: 10/10/07
 Completed: 12/03/07
 1st Delivery: 12/00/07

Surface Location:
 990' FNL and 1330' FEL
 NW^{1/4} NE^{1/4} Sec 18(B), T31N, R05W
 Rio Arriba, NM

Bottom Hole Location:
 1010' FNL and 2456' FEL
 NW^{1/4} NE^{1/4} Sec 18(B), T31N, R05W
 Rio Arriba, NM

Elevation: 6465' GR
 API # 30-039-30244

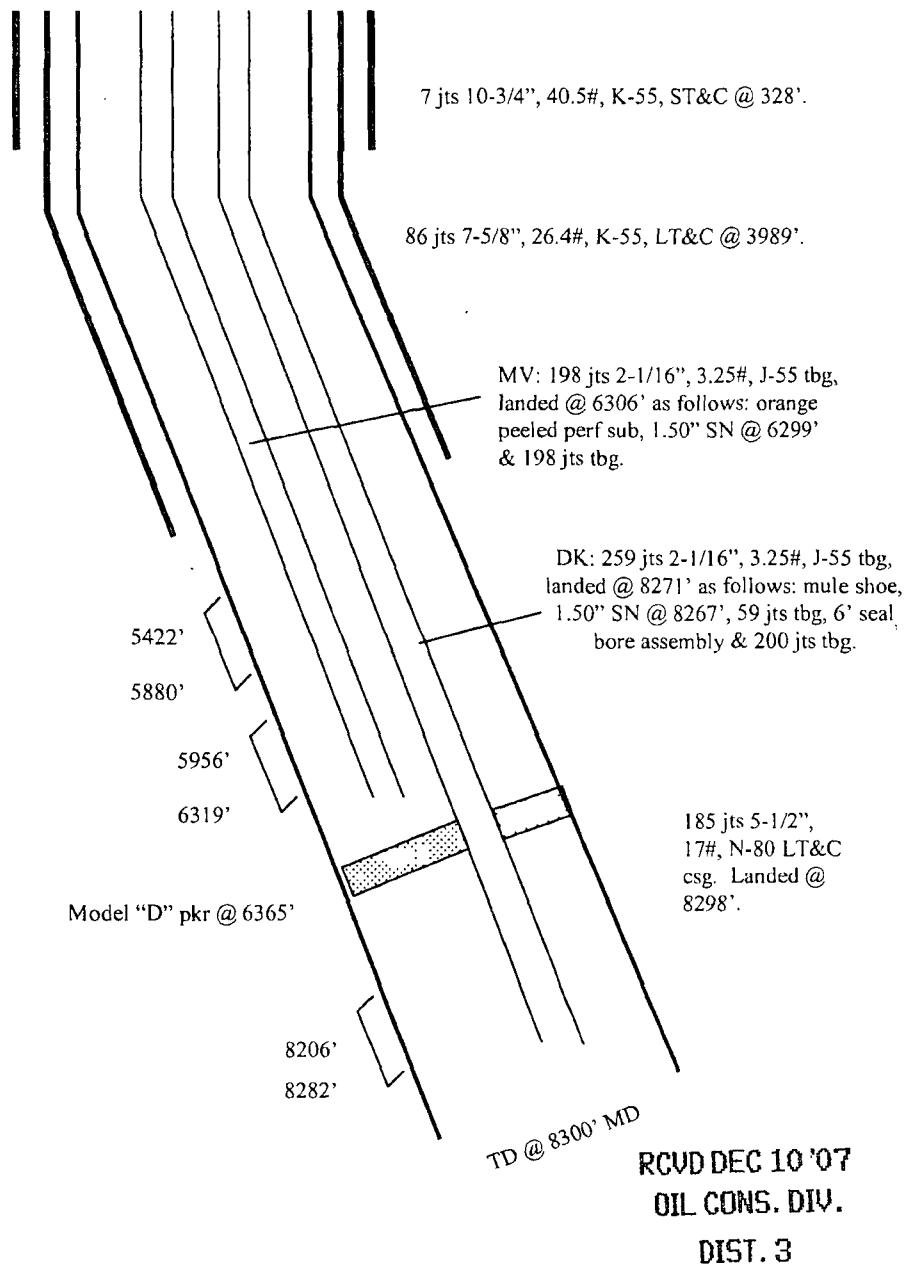
Top	MD Depth
Pictured Cliffs	3671'
Lewis	3792'
Cliffhouse Ss.	5694'
Menefee	5743'
Point Lookout	5955'
Mancos	6462'
Dakota	8206'

Stimulation:

Cliffhouse/Menefee: 5422' - 5880' (57, 0.34" holes) Frac with 9900# 14/30 LiteProp 125 followed w/ 2000# 20/40 brown sand.

Point Lookout: 5956' - 6319' (55, 0.34" holes) Frac with 9900# 14/30 LiteProp 125 followed w/ 2000# brown sand.

Dakota: 8206' - 8282' (51, 0.34" holes) Frac with 9900# Lite Prop 108 & 3000# SB-Excel.



Hole Size	Casing	Cement	Volume	Top of Cmt
14-3/4"	10-3/4", 40.5#	265 sxs	371 cu.ft.	Surface
9-7/8"	7-5/8", 26.4#	900 sxs	1820 cu.ft.	Surface
6-3/4"	5-1/2", 17#	220 sxs	462 cu.ft.	3680'

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 - 039-30244	⁵ Pool Name BASIN DAKOTA					⁶ Pool Code 71599
⁷ Property Code 17033	⁸ Property Name ROSA UNIT					⁹ Well Number 22B

II. ¹⁰ Surface Location

UL or lot no. B	Section 18	Township 31N	Range 5W	Lot.Idn	Feet from the 990'	North/South Line NORTH	Feet from the 1330'	East/West line EAST	County Rio Arriba
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III. Bottom Hole Location

UL or lot no. B	Section 18	Township 31N	Range 5W	Lot Idn	Feet from the 1010'	North/South line NORTH	Feet from the 2456'	East/West line EAST	County 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 GIANT REFINING P O BOX 12999 SCOTTSDALE AZ 85267	²⁰ O/G/W O
009018		
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA OK 74102	G
		RCVD
		OIL CONS. DIV.

IV. Well Completion Data

²¹ Spud Date 10/10/07	²² Ready Date 12/03/07	²³ TD 8300'	²⁴ PBTD	²⁵ Perforations 8206' - 8282'	²⁶ DHC, MC MC
²⁷ Hole Size 14 1/4"	²⁸ Casing & Tubing Size 10 3/4", 40.5#, K-55		²⁹ Depth Set 328'		³⁰ Sacks Cement 265
9 5/8"	7 5/8", 26.4#, K-55		3989'		900
6 3/4"	5 1/2", 17#, N-80		8298'		220
	2-1/16", 3.25#, J-55		8271'		Pkr set @ 6365'

VI. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date 11/19/07	³⁴ Test Length 1 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 5
³⁷ Choke Size 2"	³⁸ Oil	³⁹ Water	⁴⁰ Gas 158		⁴¹ Test Method Pitot
⁴² 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: <i>Tracy Ross</i>					
Printed name: Tracy Ross	Approved by: <i>Charles H. Ross</i> 12-24-07				
Title: Sr. Production Analyst	Title: SUPERVISOR DISTRICT # 3				
E-mail Address: Tracy.ross@williams.com	Approval Date: DEC 24 2007				
Date: 12/06/07	Phone: 918-573-6254	<i>BLW approval</i>			

File pk4 leg tbt by 1/20/08

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