



March 23, 2011

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

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

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

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

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement 1 Sec. No. 587, Williams Production Company, LLC, As Unit Operator, has determined that the Rosa #186 is not capable of producing unitized substances in paying quantities.

WELLDATA

The Rosa Unit #186 Mesaverde Formation Well (non-commercial) is located 1660 feet from the North Line and 930 feet from the West Line, Section 27 Township 31 North Range 5 West, N.M.P.M., and Rio Arriba County, New Mexico. This well was spud on August 08, 2007, and completed in the Mesaverde formation on October 10, 2007. The Mesaverde formation was completed with a pre-perforated liner between the following depths: 5634' to 6420'. This well has a 2 1/16" tubing string. This well was shut in with a SICP of 4 psig. On October 4, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 1/16" tubing, the well gauged 7920 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.

If this determination meets with your approval, please indicate such approval in the space provided and return an approved copy for our files.

The Well Data, Reserves and Economics are attached.

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

Sincerely,



Kris Russell
Land Data Specialist
Williams Production Company, LLC
P.O. Box 3102
Tulsa, OK 74101
918/573-6181
kris.russell@williams.com

cc: Working Interest Owners
Federal Management Team

APPROVED _____ DATE _____

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

APPROVED _____ DATE _____

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

APPROVED _____ DATE _____

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

The foregoing is the approval of Notice of Completion of Commercial wells for the Rosa Unit #234A, #264A, #335A, #360A, #380 and the approval of Notice on Non-Commercial wells #311A, #322A, #389, #393A, and #397A.

WORKING INTEREST OWNERS
ROSA UNIT

BP AMERICA PRODUCTION CO.
ATTN: DONNA JONES
P.O. BOX 3092
HOUSTON, TX 77253

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

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

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

J. GLENN TURNER, JR. LLC
4809 COLE AVE., SUITE 212
DALLAS, TX 75205

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

MARY FRANCES TURNER, JR TRUST
ATTN: SHERI ANDERSON
TX1-2931
P O BOX 660197
DALLAS, TX 75266-0197

MR. JOHN TURNER
PO BOX 329
PORT ARANSAS, TX 78373

PATRICIA P. SCHIEFFER TRUST, BANK OF AMERICA, N.A. AGT
ATTN: BILL BLEDSOE
P.O. BOX 2546
FORT WORTH, TX 76113-2546

OMIMEX PETROLUEM, INC.
ATTN: CLARK P. STORMS
2001 BEACH ST., SUITE 810
FORT WORTH, TX 76103

MS. VICTORIA WEBB
806 CORDOVA
DALLAS, TX 75223

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

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

CONOCOPHILLIPS COMPANY
ATTN: ROB HELTON
P. O. BOX 4289
FARMINGTON, NM 87499-4289

February 16, 2011

The Rosa Unit #186 Mesaverde Formation Well (non-commercial) is located 1660 feet from the North Line and 930 feet from the West Line, Section 27 Township 31 North Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on August 08, 2007, and completed in the Mesaverde formation on October 10, 2007. The Mesaverde formation was completed with a pre-perforated liner between the following depths: 5634' to 6420'. This well has a 2 1/16" tubing string. This well was shut in with a SICP of 4 psig. On October 4, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 1/16" tubing, the well gauged 7920 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

A handwritten signature in dark ink, reading "Marcia Brueggjenjohann", is written over a solid horizontal line.

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

PropID: 4841 RSV CAT: 1PDP
 Well Name: ROSA UNIT #186
 Field: BLANCO
 Cnty: RIO ARriba St: NM
 Reservoir: MESAVERDE
 Operator: WPC

Date: 02/11/2011
 Time: 11:06:00
 DBS: SJB
 Settings: SETDATA_JCM
 Scenario: SJB-OP-PostAudit

	COMBINED INPUT DATA			INITIAL CALCULATED DATA			
KEYWORD & Ref. Code	Beginning, Ending Rates	Schedule Limit	Method & Value	Ultimate @ End Pt.	Init.Deff	Init. Rate	Final Rate

400 START	11/2007								
401 GAS	157.00	43.00 M/D	03/2010 IMU	B/.9	50.00	0.000 10/2007	100.0000	4775.	1308.
402 "	43.00	190.00 M/D	11/2010 IMU	EXP	*****	0.000 10/2007		1308.	5779.
403 "	X	X M/D	5.00 EXP	B/.9	55.00	174.226 7/2028	55.0000	5779.	179.
404 "	X	X M/D	30.00 YRS	EXP	5.00	190.037 10/2037	5.0000	179.	111.

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 4.277 #/M				12/2009			
509 "	01/2010	5.72 5.31 4.66 3.77 #/M				4/2010			
510 "	X	3.87 3.69 4.28 4.08 #/M				8/2010			
511 "	X	3.47 4.126 5.75 5.75 #/M				12/2010			
512 "	5.75	X \$/M	TO	LIFE	PC	0.00		5.750	5.750
600 ATX	2.10	X %	TO	LIFE	PC	0.00		0.021	0.021
601 STX/GAS	3.75	X %	TO	LIFE	PC	0.00		0.037	0.037
602 OPC/T	1120.00	X \$/M	TO	LIFE	PC	0.00		1120.000	1120.000
705 LSE/WI	0.2300	D FRAC	TO	LIFE	FLAT	0.00		0.230	0.230
720 NET/OIL	0.2013	D FRAC	TO	LIFE	FLAT	0.00		0.201	0.201
740 NET/GAS	0.2013	D FRAC	TO	LIFE	FLAT	0.00		0.201	0.201

OVERLAYS	Beginning	Ending Rates	Schedule Limit	Method & Value	Ultimate @	End Pt.	Init.Deff	Init. Rate	Final Rate
901 S 92	S/95	X FRAC	TO	LIFE	DIV	146.00			
903 S /89	0.49	X FRAC	TO	LIFE	MUL	92.00			
905 S /89	1.04	X FRAC	TO	LIFE	MUL	89.00			
907 S /196	S/196	X FRAC	TO	LIFE	MINUS	89.00			
909 S /88	0.06	X FRAC	TO	LIFE	MUL	92.00			
911 S /88	1.00	X FRAC	TO	LIFE	MINUS	88.00			
913 S /196	S/196	X FRAC	TO	LIFE	MUL	88.00			

914 GAS	11/2007	418 0 405 0 0 4601 1559 2784 1512 777 1 0 0 #				12.057 11/2008			
915 "	X	0 0 0 0 247 3013 4710 2986 2463 2311 948 1652 1621 #				32.008 12/2009			
916 "	X	1521 990 894 1511 1201 1625 2135 3453 0 836.55 #				46.175 10/2010			
917 "	X	6000.93 #				52.175 11/2010			

INVESTMENTS	Tangible	Intang Units	Invest. Point	Method & Value	Total T&I	Month	Risk Inv.	Tot. T&I&R	Esc. T&I&R
800 CAPITAL	220.00	878.00 M\$G	-1.00 MOS	ESC INV	1098.000	10/2007	0	1098.0	0.0

MISCELLANEOUS DATA PARAMETERS

201 BTU	1.04				
202 WELLS	0.00	1.00			
203 CUMG, MB	0.00	CUMG, MMF	0.00	CUML, MB	
250 LOSS	NO				

PROJECT RUN SETTINGS

Base Date	: 09/2007	Time Frames	: 4*1.99*12.8		
P.W. Date	: 09/2007	Primary PW%	: 8.0	Discount Freq.	: MID
Report Date	: 09/2007				
Qualifiers	: Prod = SJ_OP_POST	Price = SJ_OP_POST	Cost = SJ_OP_POST	Owner = BASE	
	Title = BASE	Misc = BASE	Invest = SJ_OP_POST	Overlay = SJ_OP_POST	

&l0o5.45C &k2S
 PropID: 4842 RSV CAT: 1PDP
 Well Name: ROSA UNIT #186
 Field: BLANCO
 Cnty: RIO ARRIBA St: NM
 Reservoir: MESAVERDE
 Operator: WPC

DATE : 02/11/2011
 TIME : 11:06:00
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-PostAudit

RESERVES AND ECONOMICS

EFFECTIVE DATE: 09/2007

--END-- MO-YEAR	---GROSS PRODUCTION---				---NET PRODUCTION---				-----PRICES-----		NO. OF WELLS	-----OPERATIONS, M\$-----		
	OIL,	MBBL	GAS,	MMCF	OIL,	MBBL	GAS,	MMCF	OIL \$/B	GAS \$/M		OIL REVENUE	GAS REVENUE	TOTAL REVENUE
09-2007	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		0.00	0.000	0.0	0.000	0.000	0.000
11-2007	0.000		0.418		0.000		0.084		0.00	5.288	1.0	0.000	0.445	0.445
12-2007	0.000		0.000		0.000		0.000		0.00	0.000	1.0	0.000	0.000	0.000
12-2008	0.000		11.639		0.000		2.342		0.00	8.215	1.0	0.000	19.242	19.242
12-2009	0.000		19.951		0.000		4.015		0.00	2.365	1.0	0.000	9.495	9.495
12-2010	0.000		21.314		0.000		4.290		0.00	4.075	1.0	0.000	17.480	17.480
12-2011	0.000		12.037		0.000		2.422		0.00	4.993	1.0	0.000	12.094	12.094
12-2012	0.000		9.666		0.000		1.945		0.00	4.993	1.0	0.000	9.712	9.712
12-2013	0.000		8.050		0.000		1.620		0.00	4.993	1.0	0.000	8.089	8.089
S-TOT	0.000		83.076		0.000		16.719		0.00	4.579	1.0	0.000	76.557	76.557
AFTER	0.000		37.292		0.000		7.505		0.00	4.993	1.0	0.000	37.470	37.470
TOTAL	0.000		120.368		0.000		24.224		0.00	4.707	1.0	0.000	114.027	114.027

--END-- MO-YEAR	SEV + ADV TAXES	NET OPER EXPENSES	OPERATION CASH FLOW	TOTAL EQUITY INV	CASH FLOW BTAX	DEPRECIATION	DEPLETION	TAXABLE INCOME	TAXES PAYABLE	CASH FLOW ATAX
	M\$	M\$	M\$	M\$	M\$	M\$	M\$	M\$	M\$	M\$
09-2007	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	252.540	-252.540	0.000	0.000	-201.940	-70.679	-181.861
11-2007	0.026	0.258	0.162	0.000	0.162	0.723	0.000	-0.561	-0.197	0.358
12-2007	0.000	0.258	-0.258	0.000	-0.258	0.723	0.000	-0.981	-0.343	0.086
12-2008	1.111	3.091	15.040	0.000	15.040	9.915	0.000	5.125	1.794	13.247
12-2009	0.548	3.091	5.856	0.000	5.856	11.211	0.000	-5.355	-1.874	7.731
12-2010	1.009	3.091	13.380	0.000	13.380	8.007	0.000	5.373	1.881	11.499
12-2011	0.698	3.091	8.305	0.000	8.305	5.719	0.000	2.585	0.905	7.400
12-2012	0.561	3.091	6.060	0.000	6.060	4.517	0.000	1.544	0.540	5.520
12-2013	0.467	3.091	4.531	0.000	4.531	4.515	0.000	0.016	0.005	4.525
S-TOT	4.418	19.062	53.077	252.540	-199.463	45.331	0.000	-194.194	-67.968	-131.495
AFTER	2.162	23.957	11.351	0.000	11.351	5.269	0.000	6.082	2.129	9.222
TOTAL	6.581	43.019	64.427	252.540	-188.113	50.600	0.000	-188.113	-65.839	-122.273

BTAX RATE OF RETURN (PCT)	0.00	ATAX RATE OF RETURN (PCT)	0.00
BTAX PAYOUT YEARS	14.08	ATAX PAY OUT YEARS	14.08
BTAX PAYOUT YEARS (DISC)	14.08	ATAX PAY OUT YEARS (DISC)	14.08
BTAX NET INCOME/INVEST	0.26	ATAX NET INCOME/INVEST	0.52
BTAX NET INCOME/INVEST (DISC)	0.20	ATAX NET INCOME/INVEST (DISC)	0.46

PRODUCTION START DATE	11/2007	PROJECT LIFE (YEARS)	14.08
		DISCOUNT - RATE (PCT)	8.00

INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	5.288
MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	4.993
GROSS OIL WELLS	0.	GROSS GAS WELLS	1.

CUMULATIVE OIL (MBBL)	0.000	CUMULATIVE GAS (MMCF)	0.000
REMAINING OIL (MBBL)	0.000	REMAINING GAS (MMCF)	120.368
ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	120.368

INITIAL WI (PCT)	23.000	FINAL WI (PCT)	23.000
INITIAL NET OIL (PCT)	0.000	FINAL NET OIL (PCT)	0.000
INITIAL NET GAS (PCT)	20.125	FINAL NET GAS (PCT)	20.125

PRESENT WORTH PROFILE AND

--- RATE-OF-RETURN VS. BONUS TABLE ---

P.W. FACTOR	B.F.I.T. WORTH	A.F.I.T. WORTH	A.F.I.T. BONUS
M\$	M\$	M\$	M\$
0.00	-188.1	-122.3	-188.1
2.00	-192.3	-126.1	-184.7
5.00	-197.6	-130.9	-181.2
8.00	-201.9	-135.0	-179.0
10.00	-204.4	-137.3	-177.8
12.00	-206.5	-139.4	-177.0
15.00	-209.3	-142.1	-175.9
18.00	-211.7	-144.4	-175.2
20.00	-213.1	-145.8	-174.8
25.00	-215.9	-148.7	-174.0
30.00	-218.1	-151.0	-173.4
35.00	-219.8	-152.8	-173.0
40.00	-221.1	-154.4	-172.6
45.00	-222.2	-155.6	-172.3
50.00	-223.0	-156.6	-171.9

Titles

PROPID: @M.PROPID RSV CAT: @M.RESERVE_CATEGORY	BASE
WELL NAME: @M.WELL_NAME	BASE
FIELD: @M.FIELD	BASE
CNTY: @M.BHL_COUNTY ST: @M.STATE	BASE
RESERVOIR: @M.RESERVOIR	BASE
OPERATOR: @M.OPERATOR	BASE

Miscellaneous

BTU @M.BTU	BASE
WELLS 0 1	BASE

LOSS_NO

Production

CUMS 0 0	SJ_OP_POST
START 11/2007	SJ_OP_POST
GAS 157 43 M/D 03/2010 IMU B/.9 50	SJ_OP_POST
" 43 190 M/D 11/2010 IMU EXP -2000	SJ_OP_POST
" X X M/D 5 EXP B/.9 55	SJ_OP_POST
" X X M/D 30 YRS EXP 5	SJ_OP_POST

Prices

SIDFILE SJB_JCM_07ACT_COMMERCIAL	SJ_OP_POST
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Expenses

ATX 2.1 X % TO LIFE PC 0	SJ_OP_POST
STX/GAS 3.75 X % TO LIFE PC 0	SJ_OP_POST
OPC/T @M.LIFTING_COST X \$/M TO LIFE PC 0	SJ_OP_POST

Ownership

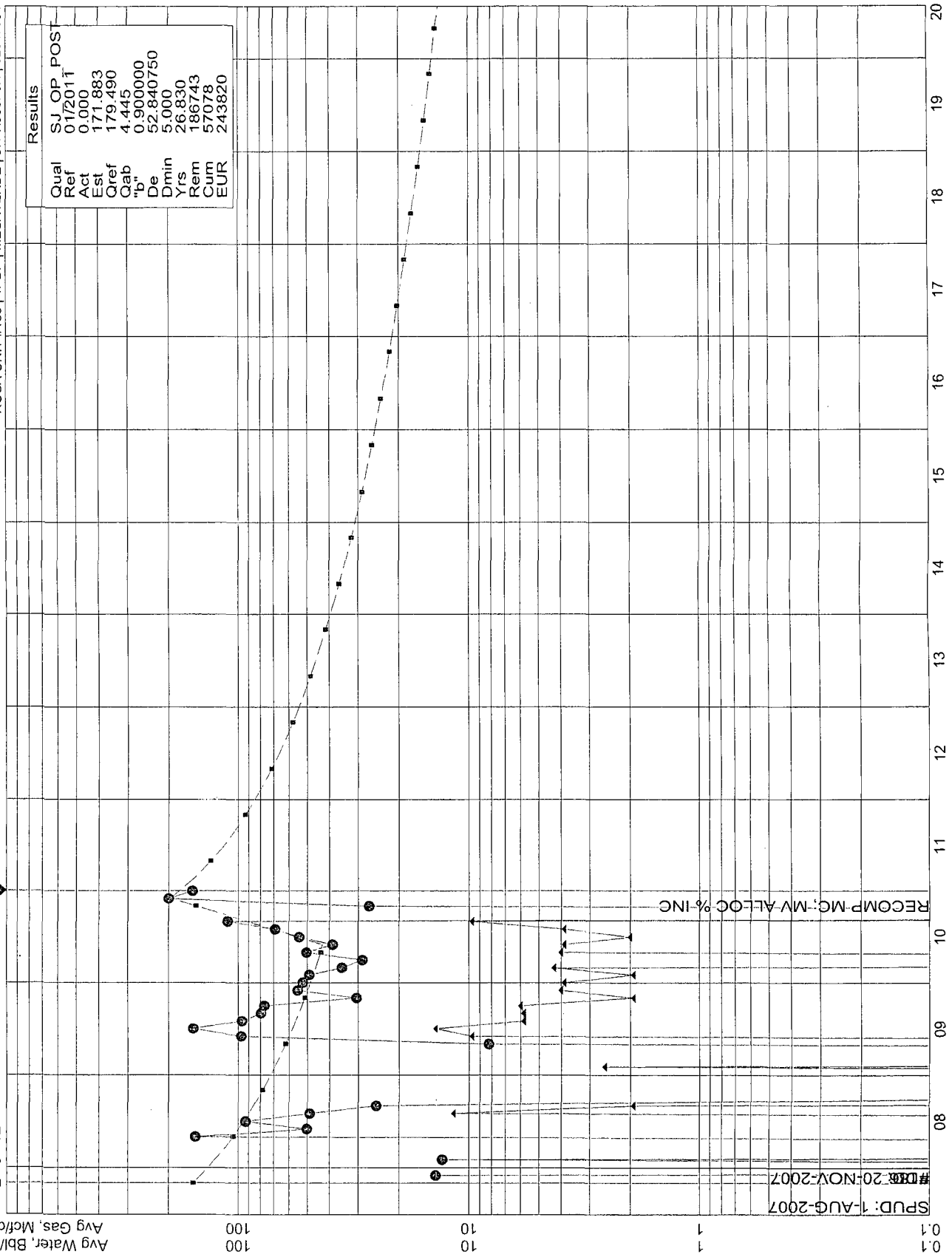
NET 0.23 0.20125 0.20125 FRAC	BASE
-------------------------------	------

Investments

CAPITAL 220 878 M\$G -1 MOS ESC INV	SJ_OP_POST
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Overlays

SIDFILE RI_TOTAL_BR	SJ_OP_POST
LOAD MP.GAS GAS 11/2007 12/2010 #	SJ_OP_POST



Results	
Qual	SJ_OP_POST
Ref	01/2011
Act	0.000
Est	171.883
Qref	179.490
Qab	4.445
"b"	0.900000
De	52.840750
Dmin	5.000
Yrs	26.830
Rem	186743
Cum	57078
EUR	243820

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

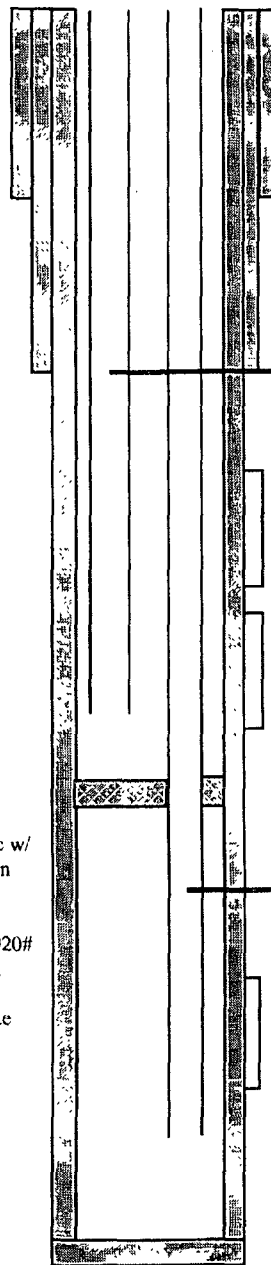
Elevation: 6765' GR 6781' KB
API #: 30-039-30160

<u>Tops</u>	<u>Depth</u>
Kirtland	3034'
Pictured Cliffs	3797'
Cliff House	5853'
Menefee	5898'
Point Lookout	6097'
Mancos	6653'
Dakota	8298'

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.



8 jts of 10 3/4", 40 5#, K-55, ST&C csg. Set @ 315'.

84 jts of 7-5/8", 26#, J-55, LT&C csg. Set @ 4158'.

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

5634'

6002'

6098'

6420'

Arrow model "B" packer @ 6480'

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'.

TD @ 8434'
PBTD @ 8419'

RCVD NOV 1 '07

OIL CONS. DIV.

DIST. 3

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

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 - 039-30160	⁵ Pool Name BLANCO MESAVERDE	⁶ Pool Code 72319
⁷ Property Code 17033	⁸ Property Name ROSA UNIT	⁹ Well Number 186

II. ¹⁰ Surface Location

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

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ 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 PBDT 8419'	²⁵ Perforations 5634' - 6420'	²⁶ DHC, MC pkc 6480'
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
14 3/4"	10 3/4", 40.5#, K-55	315'	314		
9 1/4"	7 1/2", 26#, J-55	4158'	897		
6 1/2"	5 1/2", 17#, N-80	8433'	205		
	2-1/16", 3.25#, J-55	6412'	RCVD NOV 1 '07 OIL CONS. DIV.		

VI. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date 10/04/07	³⁴ Test Length 1 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 4
³⁷ Choke Size 2"	³⁸ Oil	³⁹ Water	⁴⁰ Gas 330 7920		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			11/19/07 OIL CONSERVATION DIVISION		
Printed name: Tracy Ross			Approved by: [Signature] 11-19-07		
Title: Sr. Production Analyst			Title: SUPERVISOR DISTRICT # 3		
E-mail Address: Tracy.ross@williams.com			Approval Date: NOV 19 2007		
Date: 10/29/07	Phone: 918-573-6254		File PLT by 12/19/07		

8

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN
DUPLICATE

(See other instructions on
reverse side)

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

5 LEASE DESIGNATION AND LEASE NO
NMSF-078770

6 IF INDIAN, ALLOTTEE OR

7 UNIT AGREEMENT NAME

8 FARM OR LEASE NAME, WELL NO
ROSA UNIT #186

9 API WELL NO
30-039-30160 -0002

10. FIELD AND POOL, OR WILDCAT
BLANCO MESAVERDE

11 SEC., T.R.M., OR BLOCK AND
SURVEY OR AREA
SW/4 NW/4 SEC 27-31N-5W

12 COUNTY OR 13 STATE
RIO ARriba NEW MEXICO

19. ELEVATION CASINGHEAD
RCVD NOV 6 '07

ROTARY TOOLS CABLE TOOLS
x OIL CONS. DIV.

25. WAS DIRECTIONAL SURVEY MADE
YES DIST 3

27 WAS WELL CORED
NO

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: 1660' FNL & 930' FWL
At top production interval reported below:
At total depth:

14 PERMIT NO DATE ISSUED
6765' GR

15 DATE 16 DATE T D 17 DATE COMPLETED (READY TO PRODUCE)
SPUDDED REACHED
08/01/07 08/26/07 10/10/07

20 TOTAL DEPTH, MD & TVD 21 PLUG, BACK T D, MD & TVD
8434' MD 8419' MD

22 IF MULTICOMP. 23 INTERVALS
HOW MANY DRILLED BY

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BLANCO MESAVERDE 5634' - 6420'

26 TYPE ELECTRIC AND OTHER LOGS RUN

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	40.5#	315'	14 1/4"	315 SX - SURFACE	
7 5/8", J-55	26#	4158'	9 1/4"	897 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'	8433'	205 SX		2-1/16", J-55, 3.25#	6412'	6480'

31 PERFORATION RECORD (Interval, size, and number)

CHIMEN 5634' - 6002'. Total of 52, 0.36" holes

PLO 6098' - 6420' Total of 52, 0.36" holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH-INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5634' - 6002'	Fraced w/ 9920# 14/30 Lite Prop 125, followed by 3280# 20/40 brown sand.
6098' - 6420'	Fraced w/ 9920# 14/30 Lite Prop 125, followed by 3280# 20/40 brown sand.

33 PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
		Flowing				Producing	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
10/04/07	1 hrs	2"			3305		
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	4				1920		

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 Inacy Ross TITLE Sr. Production Analyst DATE October 29, 2007

NMOCD

ACCEPTED FOR RECORD

NOV 02 2007

FARMINGTON FIELD OFFICE
BY J. Sayers

37 SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries)

38 GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC	NAME	TOR	
					NAME	MEASURED DEPTH
					KIRTLAND	3034'
					PICTURED CLIFFS	3797'
					CLIFFHOUSE	5853'
					MENESEE	5898'
					POINT LOOKOUT	6097'
					MANCOS	6653'
					DAKOTA	8298'



March 23, 2011

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

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

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

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

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement 1 Sec. No. 587, Williams Production Company, LLC, As Unit Operator, has determined that the following wells are capable of producing unitized substances in paying quantities from the Fruitland formation Rosa Unit #234A, #264A, #335A, #360A, #380 and #311A, #322A, #389, #393A, #397A are not capable of producing unitized substances in paying quantities.

WELLDATA

The Rosa Unit #234A Fruitland Well (commercial) is located 1780 feet from the North Line and 1295 feet from the West Line, Section 09 Township 31 North, Range 06 West, N.M.P.M., San Juan County, New Mexico. This well was spud on November 27, 2006, and completed in the Fruitland formation on March 29, 2007. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3124' to 3228'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 0 psig. On March 28, 2007 the well was tested and after flowing for 2 hours through a 2" choke on the 2 7/8 tubing, the well gauged 150 MCFD.

3124' to 3228'

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 50.00% and is therefore determined commercial.

The Rosa Unit #264A Fruitland Well (commercial) is located 2165 feet from the South Line and 100 feet from the West Line, Section 23 Township 31 North, Range 05 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on August 17, 2008, and completed in the Fruitland formation on October 13, 2008. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3630' to 3743'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 9 psig. On October 10, 2008 the well was tested and after flowing for 1 hour through a 2" choke on the 2 7/8 tubing, the well gauged 1865 MCFD.

3630' to 3743'

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 9.86% and is therefore determined commercial.

The Rosa Unit #335A Fruitland Well (commercial) is located 2120 feet from the South Line and 1470 feet from the East Line, Section 05 Township 31 North, Range 05 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on August 23, 2007, and completed in the Fruitland formation on November 07, 2007. The Fruitland formation was completed with a pre-perforated liner between the following depths: 2960' to 3090'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 5 psig. On November 05, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 7/8 tubing, the well gauged 600 MCFD.

2960' to 3090'

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 23.08% and is therefore determined commercial.

WELLDATA

The Rosa Unit #360A Fruitland Well (commercial) is located 1470 feet from the North Line and 2095 feet from the East Line, Section 09 Township 31 North, Range 05 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on August 08, 2008, and completed in the Fruitland formation on August 30, 2008. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3665' to 3812'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 20.0 oz. On September 26, 2008 the well was tested and after flowing for 1 hour through 2" choke on the 2 7/8 tubing, the well gauged 687 MCFD

3665' TO 3812'

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 10.79% and is therefore determined commercial.

The Rosa Unit #380 Fruitland Well (commercial) is located 2600 feet from the South Line and 750 feet from the West Line, Section 20 Township 31 North, Range 04 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on September 18, 2008, and completed in the Fruitland formation on May 02, 2009. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3505' to 3570'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 64 oz. On April 27, 2009 the well was tested and after flowing for 1 hour through a 2" choke on the 2 7/8 tubing, the well gauged 1236 MCFD.

3505' to 3570'

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 27.94% and is therefore determined commercial.

The Rosa Unit #311A Fruitland Well (non-commercial) is located 710 feet from the North Line and 820 feet from the East Line, Section 33 Township 31 North, Range 04 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on October 17, 2008, and completed in the Fruitland formation on October 31, 2008. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3803' to 4061'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 0 psig. On October 30, 2008 the well was tested and after flowing for 5 hours through a 2" choke on the 2 7/8 tubing, the well gauged 0 MCFD.

3803' to 4061'

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 0.00% and is therefore determined non-commercial.

WELLDATA

The Rosa Unit #322A Fruitland Well (non-commercial) is located 1945 feet from the North Line and 600 feet from the East Line, Section 23 Township 31 North, Range 05 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on July 06, 2007, and completed in the Fruitland formation on September 19, 2007. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3600' to 3705'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 5 psig. On September 19, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 7/8 tubing, the well gauged 582 MCFD.

3600' TO 3705'

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 0.00% and is therefore determined non-commercial.

The Rosa Unit #389 Fruitland Well (non-commercial) is located 2460 feet from the North Line and 2330 feet from the East Line, Section 07 Township 31 North, Range 04 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on July 18, 2007, and completed in the Fruitland formation on August 06, 2007. The Fruitland formation was completed with a pre-perforated liner between the following depths: 2741' to 4408'. This well has a 2 3/8 tubing string. This well was shut in with a SICP of 7 psig. On August 06, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 3/8 tubing, the well gauged 1580 MCFD.

2741' TO 4408'

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 0.00% and is therefore determined non-commercial.

The Rosa Unit #393A Fruitland Well (non-commercial) is located 2605 feet from the South Line and 2520 feet from the East Line, Section 15 Township 31 North, Range 04 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on August 08, 2007, and completed in the Fruitland formation on August 31, 2007. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3330' to 4666'. This well has a 2 3/8 tubing string. This well was shut in with a SICP of 7 psig. On August 30, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 3/8 tubing, the well gauged 1580 MCFD.

3330' to 4666'

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 0.00% and is therefore determined non-commercial.

WELLDATA

The Rosa Unit #397A Fruitland Well (non-commercial) is located 1105 feet from the South Line and 1800 feet from the East Line, Section 27 Township 31 North, Range 04 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on September 08, 2008, and completed in the Fruitland formation on October 26, 2008. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3610' to 3660'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 1/2 oz. On October 20, 2008 the well was tested and after flowing for 1/2 hour through a 2" choke on the 2 7/8 tubing, the well gauged 112 MCFD.

3610' to 3660'

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 0.00% and is therefore determined non-commercial.

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

The Well Data, Reserves and Economics are attached.

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

Sincerely,



Kris Russell
Land Data Specialist
Williams Production Company, LLC
P.O. Box 3102
Tulsa, OK 74101
918/573-6181
kris.russell@williams.com

cc: Working Interest Owners
Federal Management Team

APPROVED _____ DATE _____

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

APPROVED _____ DATE _____

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

APPROVED _____ DATE _____

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

The foregoing is the approval of Notice of Completion of Commercial wells for the Rosa Unit #234A, #264A, #335A, #360A, #380 and the approval of Notice on Non-Commercial wells #311A, #322A, #389, #393A, and #397A.

WORKING INTEREST OWNERS
ROSA UNIT

BP AMERICA PRODUCTION CO.
ATTN: DONNA JONES
P.O. BOX 3092
HOUSTON, TX 77253

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

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

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

J. GLENN TURNER, JR. LLC
4809 COLE AVE., SUITE 212
DALLAS, TX 75205

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

MARY FRANCES TURNER, JR TRUST
ATTN: SHERI ANDERSON
TX1-2931
P O BOX 660197
DALLAS, TX 75266-0197

MR. JOHN TURNER
PO BOX 329
PORT ARANSAS, TX 78373

PATRICIA P. SCHIEFFER TRUST, BANK OF AMERICA, N.A. AGT
ATTN: BILL BLEDSE
P.O. BOX 2546
FORT WORTH, TX 76113-2546

OMIMEX PETROLUEM, INC.
ATTN: CLARK P. STORMS
2001 BEACH ST., SUITE 810
FORT WORTH, TX 76103

MS. VICTORIA WEBB
806 CORDOVA
DALLAS, TX 75223

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

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

CONOCOPHILLIPS COMPANY
ATTN: ROB HELTON
P. O. BOX 4289
FARMINGTON, NM 87499-4289

March 22, 2011

The Rosa Unit #234A Fruitland Well (commercial) is located 1780 feet from the North Line and 1295 feet from the West Line, Section 09 Township 31 North, Range 06 West, N.M.P.M., San Juan County, New Mexico. This well was spud on November 27, 2006, and completed in the Fruitland formation on March 29, 2007. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3124' to 3228'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 0 psig. On March 28, 2007 the well was tested and after flowing for 2 hours through a 2" choke on the 2 7/8 tubing, the well gauged 150 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 50.00% 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

A handwritten signature in black ink, reading "Marcia Brueggenjohann", is written over a horizontal line.

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

PropID: 4518 RSV CAT: LPDP
 Well Name: ROSA UNIT #234A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 Operator: WPC

Date: 03/21/2011
 Time: 17:19:06
 DBS: SJB
 Settings: SETDATA_JCM
 Scenario: SJB-OP-PostAudit

COMBINED INPUT DATA							INITIAL CALCULATED DATA			
KEYWORD & Ref. Code	Beginning, Ending Rates			Schedule Limit		Method & Value	Ultimate @ End Pt.	Init.Deff	Init. Rate	Final Rate
400 START	10/2009									
401 GAS	370.22	X	M/D	02/2011	AD	EXP 5.00	407.905	1/2011	5.0000	11261.
402 "	360.85	X	M/D	30.00	YRS	EXP 16.00	1158.226	9/2039	16.0000	10976.
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	4.277	#/M		12/2009		
509 "	01/2010	5.72	5.31	4.66	3.77	#/M		4/2010		
510 "	X	3.87	3.69	4.28	4.08	#/M		8/2010		
511 "	X	3.47	4.126	5.75	5.75	#/M		12/2010		
512 "	5.75	X	\$/M	TO	LIFE	PC 0.00		9/2039	5.750	5.750
600 ATX	2.10	X	%	TO	LIFE	PC 0.00		9/2039	0.021	0.021
601 STX/GAS	3.75	X	%	TO	LIFE	PC 0.00		9/2039	0.037	0.037
602 OPC/T	2800.00	X	\$/M	TO	LIFE	PC 0.00		9/2039	2800.000	2800.000
701 LSE/WI	100.0000	100.0000	%	TO	LIFE	FLAT 0.00		9/2039	1.000	1.000
OVERLAYS	Beginning, Ending Rates			Schedule Limit		Method & Value	Ultimate @ End Pt.	Init.Deff	Init. Rate	Final Rate
901 S 92	S/95	X	FRAC	TO	LIFE	DIV 146.00		9/2039		
903 S /89	0.45	X	FRAC	TO	LIFE	MUL 92.00		9/2039		
905 S /89	0.96	X	FRAC	TO	LIFE	MUL 89.00		9/2039		
907 S /196	S/196	X	FRAC	TO	LIFE	MINUS 89.00		9/2039		
909 S /88	0.06	X	FRAC	TO	LIFE	MUL 92.00		9/2039		
911 S /88	1.00	X	FRAC	TO	LIFE	MINUS 88.00		9/2039		
913 S /196	S/196	X	FRAC	TO	LIFE	MUL 88.00		9/2039		
914 GAS	01/2007	0	0	66	183	872	765	1992	3151	3674
915 "	X	2514	4454	5576	7542	8399	9991	9909	10830	11136
916 "	X	10763	11142	10684	10934	11371	10713	11629	10703	#
917 "	X	11025	10940	10841	10775	10901	11538	10860	11118	#
918 "	X	11549	10362	11645	11111	11771	11254	11455	11395	#
919 "	X	10557	11153	10630	11048	11062	#			
INVESTMENTS	Tangible Intang Units			Invest. Point		Method & Value	Total T&I	Month	Risk Inv.	Tot. T&I&R
800 CAPITAL	313.30	857.74	MSG	0.00	MOS	ESC INV	1171.050	10/2009	0	1171.0

MISCELLANEOUS DATA PARAMETERS

201 BTU 0.96
 202 WELLS 0.00
 203 CUMO, MB 0.00 CUMG, MMF 233.75 CUML, MB
 250 LOSS NO

PROJECT RUN SETTINGS

Base Date : 09/2007 Time Frames : 4*1,99*12,8
 P.W. Date : 09/2007 Primary PW% : 8.0 Discount Freq. : MID
 Report Date : 09/2007
 Qualifiers : Prod = SJ_OP_POST Price = SJ_OP_POST Cost = SJ_OP_POST Owner = BASE
 Title = BASE Misc = BASE Invest = SJ_OP_POST Overlay = SJ_OP_POST

BACKUP PARAMETERS USED

NET/GAS NET/OIL

PropID: 4518 RSV CAT: 1PDP
 Well Name: ROSA UNIT #234A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/21/2011
 TIME : 17:19:06
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

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

EFFECTIVE DATE: 09/2007

--END-- MO-YEAR	---GROSS PRODUCTION---				---NET PRODUCTION---				-----PRICES-----		NO. OF WELLS	-----OPERATIONS, M\$-----		
	OIL, MBBL	GAS, MMCF	MMCF		OIL, MBBL	GAS, MMCF	MMCF		OIL \$/B	GAS \$/M		OIL REVENUE	GAS REVENUE	TOTAL REVENUE
09-2007	0.000	3.151			0.000	3.151			0.00	0.000	1.0	0.000	0.000	0.000
10-2007	0.000	3.674			0.000	3.674			0.00	0.000	1.0	0.000	0.000	0.000
11-2007	0.000	3.597			0.000	3.597			0.00	0.000	1.0	0.000	0.000	0.000
12-2007	0.000	2.514			0.000	2.514			0.00	0.000	1.0	0.000	0.000	0.000
12-2008	0.000	111.360			0.000	111.360			0.00	4.356	1.0	0.000	485.035	485.035
12-2009	0.000	132.414			0.000	132.414			0.00	3.134	1.0	0.000	414.971	414.971
12-2010	0.000	133.930			0.000	133.930			0.00	4.369	1.0	0.000	585.203	585.203
12-2011	0.000	122.642			0.000	122.642			0.00	5.542	1.0	0.000	679.719	679.719
12-2012	0.000	103.015			0.000	103.015			0.00	5.542	1.0	0.000	570.936	570.936
12-2013	0.000	86.532			0.000	86.532			0.00	5.542	1.0	0.000	479.586	479.586
12-2014	0.000	72.687			0.000	72.687			0.00	5.542	1.0	0.000	402.852	402.852
12-2015	0.000	61.057			0.000	61.057			0.00	5.542	1.0	0.000	338.396	338.396
12-2016	0.000	51.288			0.000	51.288			0.00	5.542	1.0	0.000	284.252	284.252
12-2017	0.000	43.082			0.000	43.082			0.00	5.542	1.0	0.000	238.772	238.772
12-2018	0.000	36.189			0.000	36.189			0.00	5.542	1.0	0.000	200.568	200.568
12-2019	0.000	30.399			0.000	30.399			0.00	5.542	1.0	0.000	168.477	168.477
12-2020	0.000	25.535			0.000	25.535			0.00	5.542	1.0	0.000	141.521	141.521
12-2021	0.000	21.449			0.000	21.449			0.00	5.542	1.0	0.000	118.878	118.878
12-2022	0.000	18.017			0.000	18.017			0.00	5.542	1.0	0.000	99.857	99.857
12-2023	0.000	15.135			0.000	15.135			0.00	5.542	1.0	0.000	83.880	83.880
S TOT	0.000	1077.667			0.000	1077.667			0.00	4.911	1.0	0.000	5292.904	5292.904
AFTER	0.000	42.669			0.000	42.669			0.00	5.542	1.0	0.000	236.486	236.486
TOTAL	0.000	1120.336			0.000	1120.336			0.00	4.935	1.0	0.000	5529.390	5529.390

--END-- MO-YEAR	-----OPERATIONS, M\$-----					-----CAPITAL COSTS, M\$-----				8.0%	
	SEV + ADV TAXES	NET OPER EXPENSES	INTEREST+ PRINCIPAL	OPERATION CASH FLOW	TANGIBLE INV.	INTANG. INV.	TOTAL BORROW INV	TOTAL EQUITY INV	CASH BTAX, M\$	FLOW M\$	CUM. DISC BTAX, M\$
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
12-2008	0.000	0.000	0.000	485.035	0.000	0.000	0.000	0.000	485.035		454.905
12-2009	7.410	8.400	0.000	399.161	313.305	857.745	0.000	1171.050	-771.888		-196.029
12-2010	33.773	33.600	0.000	517.829	0.000	0.000	0.000	0.000	517.829		220.347
12-2011	39.228	33.600	0.000	606.890	0.000	0.000	0.000	0.000	606.890		672.188
12-2012	32.950	33.600	0.000	504.386	0.000	0.000	0.000	0.000	504.386		1019.896
12-2013	27.678	33.600	0.000	418.308	0.000	0.000	0.000	0.000	418.308		1286.904
12-2014	23.250	33.600	0.000	346.003	0.000	0.000	0.000	0.000	346.003		1491.399
12-2015	19.530	33.600	0.000	285.266	0.000	0.000	0.000	0.000	285.266		1647.509
12-2016	16.405	33.600	0.000	234.247	0.000	0.000	0.000	0.000	234.247		1766.204
12-2017	13.780	33.600	0.000	191.392	0.000	0.000	0.000	0.000	191.392		1856.000
12-2018	11.575	33.600	0.000	155.393	0.000	0.000	0.000	0.000	155.393		1923.506
12-2019	9.723	33.600	0.000	125.154	0.000	0.000	0.000	0.000	125.154		1973.848
12-2020	8.168	33.600	0.000	99.754	0.000	0.000	0.000	0.000	99.754		2011.001
12-2021	6.861	33.600	0.000	78.417	0.000	0.000	0.000	0.000	78.417		2038.043
12-2022	5.763	33.600	0.000	60.494	0.000	0.000	0.000	0.000	60.494		2057.360
12-2023	4.841	33.600	0.000	45.439	0.000	0.000	0.000	0.000	45.439		2070.794
S TOT	260.935	478.800	0.000	4553.169	313.305	857.745	0.000	1171.050	3382.119		2070.794
AFTER	13.648	148.400	0.000	74.438	0.000	0.000	0.000	0.000	74.438		2089.848
TOTAL	274.583	627.200	0.000	4627.606	313.305	857.745	0.000	1171.050	3456.556		2089.848

PropID: 4518 RSV CAT: 1PDP
 Well Name: ROSA UNIT #234A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/21/2011
 TIME : 17:19:06
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

AFTER TAX ECONOMICS

EFFECTIVE DATE: 09/2007

--END--	TAXABLE	DEPRECIATION	DEPLETION	INTANG.	INTEREST	TAXABLE	TAX	TAXES	CASH FLOW	8.0%
MO-YEAR	CASH FLOW			EXPENSED	PAID & CAP	INCOME	CREDIT	PAYABLE	ATAX	CUM. DISC
-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	ATAX-----
09-2007	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
11-2007	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
12-2008	485.035	0.000	0.000	0.000	0.000	485.035	0.000	169.762	315.273	295.688
12-2009	399.161	12.210	0.000	857.745	0.000	-470.794	0.000	-164.778	-607.111	-212.152
12-2010	517.829	58.137	0.000	0.000	0.000	459.692	0.000	160.892	356.937	74.854
12-2011	606.890	69.418	0.000	0.000	0.000	537.472	0.000	188.115	418.775	386.640
12-2012	504.386	49.575	0.000	0.000	0.000	454.810	0.000	159.184	345.202	624.612
12-2013	418.308	35.414	0.000	0.000	0.000	382.894	0.000	134.013	284.295	806.078
12-2014	346.003	27.968	0.000	0.000	0.000	318.035	0.000	111.312	234.690	944.786
12-2015	285.266	27.957	0.000	0.000	0.000	257.309	0.000	90.058	195.208	1051.612
12-2016	234.247	27.968	0.000	0.000	0.000	206.280	0.000	72.198	162.050	1133.724
12-2017	191.392	4.658	0.000	0.000	0.000	186.734	0.000	65.357	126.035	1192.856
12-2018	155.393	0.000	0.000	0.000	0.000	155.393	0.000	54.388	101.006	1236.735
12-2019	125.154	0.000	0.000	0.000	0.000	125.154	0.000	43.804	81.350	1269.457
12-2020	99.754	0.000	0.000	0.000	0.000	99.754	0.000	34.914	64.840	1293.606
12-2021	78.417	0.000	0.000	0.000	0.000	78.417	0.000	27.446	50.971	1311.184
12-2022	60.494	0.000	0.000	0.000	0.000	60.494	0.000	21.173	39.321	1323.740
12-2023	45.439	0.000	0.000	0.000	0.000	45.439	0.000	15.904	29.535	1332.472
S TOT	4553.169	313.305	0.000	857.745	0.000	3382.119	0.000	1183.742	2198.377	1332.472
AFTER	74.438	0.000	0.000	0.000	0.000	74.438	0.000	26.053	48.384	1344.857
TOTAL	4627.606	313.305	0.000	857.745	0.000	3456.556	0.000	1209.795	2246.762	1344.857

BTAX RATE OF RETURN (PCT)	50.00	ATAX RATE OF RETURN (PCT)	50.00
BTAX PAYOUT YEARS	0.00	ATAX PAY OUT YEARS	0.00
BTAX PAYOUT YEARS (DISC)	0.00	ATAX PAY OUT YEARS (DISC)	0.00
BTAX NET INCOME/INVEST	3.95	ATAX NET INCOME/INVEST	2.92
BTAX NET INCOME/INVEST(DISC)	3.09	ATAX NET INCOME/INVEST(DISC)	2.35
PRODUCTION START DATE	10/2009	PROJECT LIFE (YEARS)	20.75
		DISCOUNT - RATE (PCT)	8.00
INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	3.294
MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	5.542
GROSS OIL WELLS	0.	GROSS GAS WELLS	1.
CUMULATIVE OIL (MBBL)	0.000	CUMULATIVE GAS (MMCF)	10.560
REMAINING OIL (MBBL)	0.000	REMAINING GAS (MMCF)	1120.336
ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	1130.896
INITIAL WI (PCT)	100.000	FINAL WI (PCT)	100.000
INITIAL NET OIL (PCT)	0.000	FINAL NET OIL (PCT)	0.000
INITIAL NET GAS (PCT)	100.000	FINAL NET GAS (PCT)	100.000

PRESENT WORTH PROFILE AND			
---- RATE-OF-RETURN VS. BONUS TABLE ----			
P.W.	B.F.I.T.	A.F.I.T.	A.F.I.T.
FACTOR	WORTH	WORTH	BONUS
%-----	M\$-----	M\$-----	M\$-----
0.00	3456.6	2246.8	3456.6
2.00	3014.2	1954.6	2841.3
5.00	2490.4	1608.9	2195.8
8.00	2089.8	1344.9	1753.3
10.00	1873.8	1202.6	1530.5
12.00	1689.6	1081.6	1348.9
15.00	1461.0	931.5	1133.1
18.00	1276.9	811.0	966.9
20.00	1173.5	743.5	876.5
25.00	966.7	608.9	701.6
30.00	813.8	510.0	577.5
35.00	698.2	435.7	486.7
40.00	609.0	378.7	418.5
45.00	538.9	334.3	366.1
50.00	483.1	299.2	325.2

ROSA UNIT #234A | 1PDP | FRUITLAND COAL | J7PK9STMMB | 62050775
Filtered by Scenario: SJB-OP-PostAudit

Titles

PROPID: @M.PROPID RSV CAT: @M.RESERVE_CATEGORY	BASE
WELL NAME: @M.WELL_NAME	BASE
FIELD: @M.FIELD	BASE
CNTY: @M.BHL_COUNTY ST: @M.STATE	BASE
RESERVOIR: @M.RESERVOIR	BASE
OPERATOR: @M.OPERATOR	BASE

Miscellaneous

BTU @M.BTU	BASE
WELLS 0 1	BASE

LOSS NO

Production

CUMS 0 233.754	SJ_OP_POST
START 10/2009	SJ_OP_POST
GAS 370.22 X M/D 02/2011 AD EXP 5.000000	SJ_OP_POST
" 360.85 X M/D 30 YRS EXP 16	SJ_OP_POST
*WTR 354.349 3.317 B/M X YRS EXP 11.249	SJ_OP_POST

Prices

SIDFILE SJB_JCM_07ACT_COMMERCIAL	SJ_OP_POST
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Expenses

ATX 4.6933 X % TO LIFE PC 0	SJ_OP_POST
STX/GAS 3.75 X % TO LIFE PC 0	SJ_OP_POST
OPC/T 2800 X \$/M TO LIFE PC 0	SJ_OP_POST

Ownership

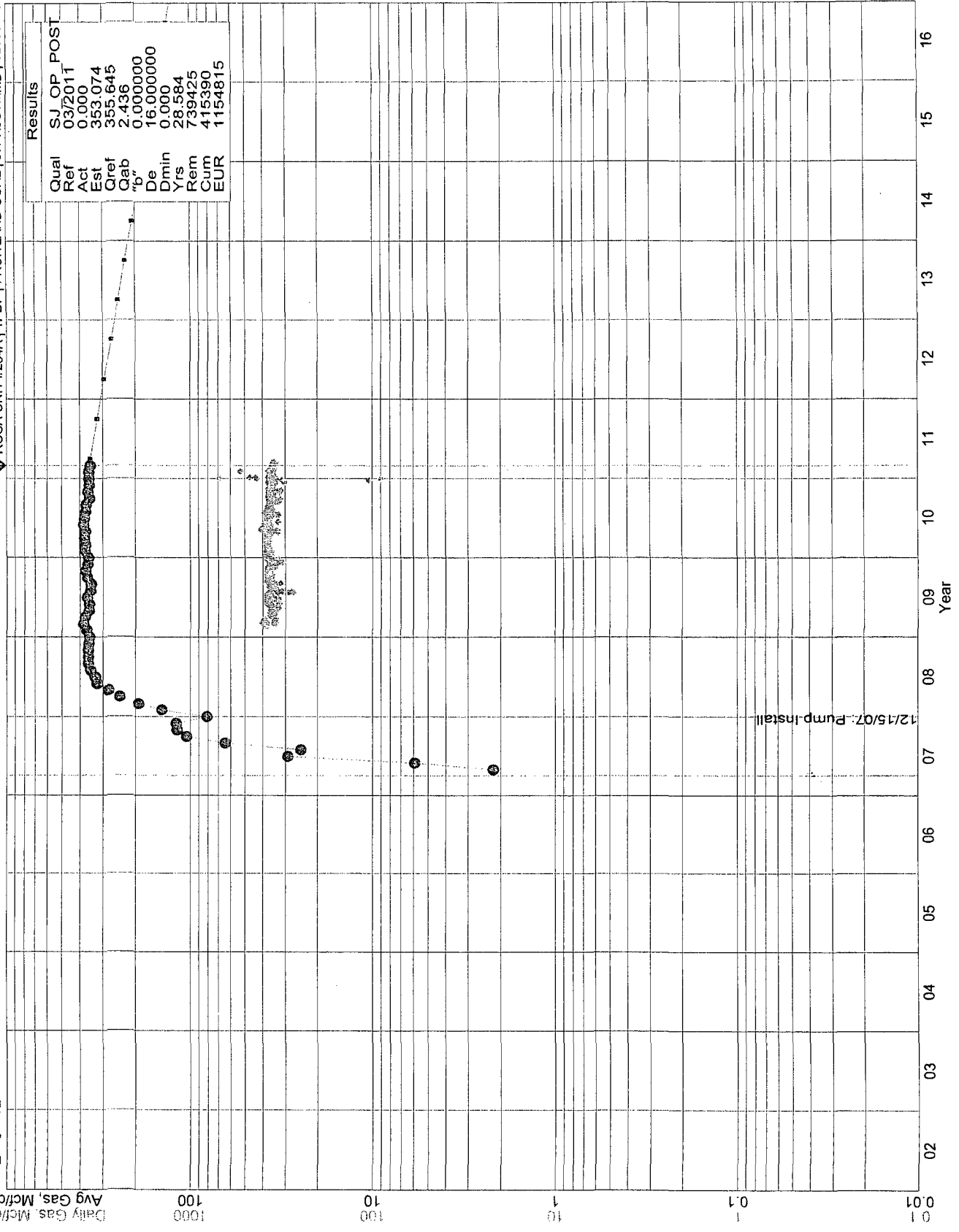
Investments

CAPITAL 313.305 857.745 M\$G 0 MOS ESC INV	SJ_OP_POST
--	------------

Overlays

SIDFILE RI_TOTAL_BR	SJ_OP_POST
LOAD MP.GAS GAS 01/2007 02/2011 #	SJ_OP_POST

SJB_AvgDay_Gas



ROSA UNIT #234A
BASIN FRUITLAND COAL

Location:

1780' FNL and 1295' FWL
SW/4 NW/4 Sec 09(E), T31N, R06W
San Juan, New Mexico

Elevation: 6419' GR
API # 30-045-33740

Pumping Unit
National 80-119-54

Spud: 11/27/06
Completed: 03/29/07
1st Delivery: 04/00/07
Pump Install: 12/14/07

Top	Depth
Ojo Alamo	2388'
Kirtland	2518'
Fruitland	2958'
Pictured Cliffs	3228'

0.50", 4 SPF
280 holes total

3124' - 3144'
3165' - 3185'
3193' - 3203'
3208' - 3228'

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

80 jts 7", 23#, J-55, LT&C @ 3085', float collar @ 3045'

Liner top @ 3039'

103 jts, 2-7/8", 6.5#, J-55 tbg @ 3279' as follows: 2 7/8" mud anchor, 2.28" F - nipple @ 3252', 102 jts tbg, 10', 8', & 4' pup jts, & 1 jt. 2 7/8" tbg (205' 1/4" chem. cap string strapped to outside of tbg).

Rod String: 3 3/4" x 1 1/4" sinker rods, 126 3/4" sucker rods, 6' pony rod, 1 1/4" x 16' polished rod w/ 8' x 1 1/2" liner.

Insert Pump: 2 1/2" x 1 1/4" x 7' x 12' RHAC (Energy Pump) w/ 1" x 6' gas anchor.

Open hole from 6-1/4" to 9-1/2"
from 3093' to 3328'

7 jts 5-1/2", 17#, N-80 @ 3029' - 3328'

TD @ 3328'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	155 sxs	219 cu.ft.	Surface
8-3/4"	7", 23#	480 sxs	973 cu.ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

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
Reformatted July 20, 2001

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 25-1 TULSA, OK 74101		² OGRID Number 120782	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30 - 045-33740	⁵ Pool Name BASIN FRUITLAND COAL		⁶ Pool Code 71629
⁷ Property Code 17033	⁸ Property Name ROSA UNIT		⁹ Well Number 234A

II. ¹⁰ Surface Location

UL or lot no. E	Section 09	Township 31N	Range 06W	Lot Idn	Feet from the 1780'	North/South Line NORTH	Feet from the 1295'	East/West line WEST	County SAN JUAN
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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 POD	²¹ O/G	²² POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	RCVD APR12'07
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	OIL CONS. DIV. DIST. 3

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
-------------------	--

V. Well Completion Data

²⁵ Spud Date 11/27/06	²⁶ Ready Date 03/29/07	²⁷ TD 3328'	²⁸ PBDT	²⁹ Perforations 3124' - 3228'	³⁰ DHC, MC
³¹ Hole Size	³² Casing & Tubing Size	³³ Depth Set	³⁴ Sacks/Cement		
12-1/4"	9-5/8", 36#, J-55	336'	155		
8-3/4"	7", 23#, J-55	3085'	480		
6-1/4"	5-1/2", 17#, N-80	3328'	0		
	2-7/8", 6.5#, J-55	3269'			

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date 03/28/07	³⁸ Test Length 2 HRS	³⁹ Tbg. Pressure 0	⁴⁰ Csg. Pressure 0
⁴¹ Choke Size 2"	⁴² Oil	⁴³ Water	⁴⁴ Gas 150	⁴⁵ AOF	⁴⁶ Test Method PITOT
⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Tracy Ross</i>			4/13/07 OIL CONSERVATION DIVISION		
Printed name: TRACY ROSS			Approved by: <i>Charles L. ...</i> 4-16-07		
Title: SR. PRODUCTION ANALYST			Title: SUPERVISOR DISTRICT # 3		
Date: 04/03/07			Approval Date: APR 13 2007		
Phone: 918-573-6254			<i>hem, appeal</i>		

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-078765

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) 578-0254

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At Surface: 1780' FNL & 1295' FWL
At top production interval reported below:
At total depth:

6. IF INDIAN ALLOTTEE OR

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #234A

9. API WELL NO.
30-045-33740

10. FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

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

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR

13. STATE

SAN JUAN

NEW MEXICO

15. DATE
SPUDED
11/27/06

16. DATE T.D.
REACHED
02/21/07

17. DATE COMPLETED (READY TO PRODUCE)
03/29/07

18. ELEVATIONS (DK, RKB, RT, GR, ETC.)*
6419' GR

19. ELEVATION CASINGHEAD

20. TOTAL DEPTH, MD & TVD
3328' MD

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

22. IF MULTICOMP.,
HOW MANY

23. INTERVALS
DRILLED BY

ROTARY TOOLS
X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 3124' - 3228'

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN
NONE

27. WAS WELL CORED
NO

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

CASING SIZE/GRADE	WEIGHT, L.B./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" J-55	36#	336'	12-1/4"	155 SX - SURFACE	
7" J-55	23#	3085'	8-3/4"	480 SX - SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD SIZE	DEPTH SET (MD)	PACKER SET (MD)
5 1/2", 17#, N-80	3039'	3328'	0 SX		2-7/8", 6.5#, J-55	3269'	

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

Basin Fruitland Coal: 3124' - 44', 3165' - 85', 3193' - 3203' & 3208' - 28'.
Total of 280 (0.50") holes

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Flowing				WELL STATUS (PRODUCING OR SI) Producing	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
03/28/07		2"	2 hrs		150		
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
0	0						

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 Tracy Ross TITLE Sr. Production Analyst DATE April 3, 2007

ACCEPTED FOR RECORD

APR 11 2007

NMOC

FARMINGTON FIELD OFFICE

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):					38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP		TRUE VERTICAL DEPTH
					NAME	MEASURED DEPTH	
					OJO ALAMO	2388'	2518'
					KIRTLAND	2518'	2958'
					FRUITLAND	2958'	3228'
					BASE OF COAL	3228'	

March 22, 2011

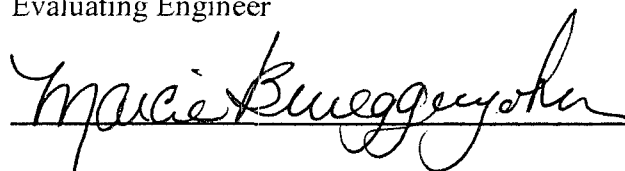
The Rosa Unit #264A Fruitland Well (commercial) is located 2165 feet from the South Line and 100 feet from the West Line, Section 23 Township 31 North, Range 05 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on August 17, 2008, and completed in the Fruitland formation on October 13, 2008. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3630' to 3743'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 9 psig. On October 10, 2008 the well was tested and after flowing for 1 hour through a 2" choke on the 2 7/8 tubing, the well gauged 1865 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 9.86% 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

A handwritten signature in black ink, reading "Marcia Brueggjenjohann", written over a horizontal line.

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

PropID: 4380 RSV CAT: 1PDP
 Well Name: ROSA UNIT #264A
 Field: BASIN
 Cnty: RIO ARRIBA St: NM
 Reservoir: FRUITLAND COAL
 Operator: WPC

Date: 03/22/2011
 Time: 17:41:47
 DBS: SJB
 Settings: SETDATA_JCM
 Scenario: SJB-OP-PostAudit

KEYWORD & Ref. Code	COMBINED INPUT DATA							INITIAL CALCULATED DATA				
	Beginning, Ending Rates			Schedule Limit		Method & Value		Ultimate @	End Pt.	Init.Deff	Init. Rate	Final Rate
400 START	11/2008											
401 GAS	265.00	X	M/D	10/2009	AD	EXP	-50.00	107.388	9/2009	-50.0000	8060.	11689.
402 "	X		10.00 M/D	X	YRS	EXP	14.00	1013.407	12/2033	14.0000	11689.	302.
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	4.277	#/M			12/2009			
509 "	01/2010	5.72	5.31	4.66	3.77	#/M			4/2010			
510 "	X	3.87	3.69	4.28	4.08	#/M			8/2010			
511 "	X	3.47	4.126	5.75	5.75	#/M			12/2010			
512 "		5.75	X	\$/M	TO	LIFE	PC	0.00	12/2033		5.750	5.750
600 ATX		4.69	X	%	TO	LIFE	PC	0.00	12/2033		0.047	0.047
601 STX/GAS		3.75	X	%	TO	LIFE	PC	0.00	12/2033		0.037	0.037
602 OPC/T	2000.00	X	\$/M	TO	LIFE	PC	0.00		12/2033		2000.000	2000.000
705 LSE/WI	0.2300	D	FRAC	TO	LIFE	FLAT	0.00		12/2033		0.230	0.230
720 NET/OIL	0.2013	D	FRAC	TO	LIFE	FLAT	0.00		12/2033		0.201	0.201
740 NET/GAS	0.2013	D	FRAC	TO	LIFE	FLAT	0.00		12/2033		0.201	0.201

OVERLAYS	Beginning	Ending	Rates	Schedule	Limit	Method & Value	Ultimate @ End Pt.	Init.Deff	Init. Rate	Final Rate
901 S 92	S/95	X	FRAC	TO	LIFE	DIV 146.00	12/2033			
903 S /89	0.45	X	FRAC	TO	LIFE	MUL 92.00	12/2033			
905 S /89	0.97	X	FRAC	TO	LIFE	MUL 89.00	12/2033			
907 S /196	S/196	X	FRAC	TO	LIFE	MINUS 89.00	12/2033			
909 S /88	0.06	X	FRAC	TO	LIFE	MUL 92.00	12/2033			
911 S /88	1.00	X	FRAC	TO	LIFE	MINUS 88.00	12/2033			
913 S /196	S/196	X	FRAC	TO	LIFE	MUL 88.00	12/2033			
914 GAS	01/2007	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 #					0.000 4/2008			
915 "	X	0 0 0 0 0 0 3457.89 3417 4969 7091 10099 11879 #					40.913 4/2009			
916 "	X	14520 7556 8481 7848 7208 1470 216 43 0 2114 3437 #					93.806 3/2010			
917 "	X	3213 6261 7782 10149 13933 13991 9741 52 0 7 #					158.935 1/2011			

INVESTMENTS	Tangible	Intang	Units	Invest. Point	Method & Value	Total T&I	Month	Risk Inv.	Tot. T&I	Esc. T&I	R
800 CAPITAL	300.00	1165.00	M\$G	08/2008 AD	ESC INV	1465.000	8/2008	0	1465.0	0.0	

MISCELLANEOUS DATA PARAMETERS

201 BTU	0.97				
202 WELLS	0.00	1.00			
203 CUMO, MB	0.00	CUMG, MMF	0.00	CUML, MB	
250 LOSS	NO				

PROJECT RUN SETTINGS

Base Date	: 09/2007	Time Frames	: 4*1,99*12,8		
P.W. Date	: 09/2007	Primary PW%	: 8.0	Discount Freq.	: MID
Report Date	: 09/2007				
Qualifiers	: Prod = SJ_OP_POST	Price = SJ_OP_POST	Cost = SJ_OP_POST	Owner = BASE	
	Title = BASE	Misc = BASE	Invest = SJ_OP_POST	Overlay = SJ_OP_POST	

PropID: 4380 RSV CAT: 1PDP
 Well Name: ROSA UNIT #264A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/22/2011
 TIME : 17:41:47
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

RESERVES AND ECONOMICS

EFFECTIVE DATE: 09/2007

--END-- MO-YEAR	---GROSS PRODUCTION---				---NET PRODUCTION---				---PRICES---		NO. OF WELLS	---OPERATIONS, M\$---		
	OIL,	MBBL	GAS,	MMCF	OIL,	MBBL	GAS,	MMCF	OIL \$/B	GAS \$/M		OIL REVENUE	GAS REVENUE	TOTAL REVENUE
09-2007	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		0.00	0.000	0.0	0.000	0.000	0.000
11-2007	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
12-2007	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
12-2008	0.000		6.875		0.000		1.384		0.00	2.892	1.0	0.000	4.001	4.001
12-2009	0.000		81.380		0.000		16.378		0.00	2.131	1.0	0.000	34.896	34.896
12-2010	0.000		70.673		0.000		14.223		0.00	3.125	1.0	0.000	44.440	44.440
12-2011	0.000		98.217		0.000		19.766		0.00	4.716	1.0	0.000	93.217	93.217
12-2012	0.000		92.734		0.000		18.663		0.00	4.716	1.0	0.000	88.013	88.013
12-2013	0.000		79.751		0.000		16.050		0.00	4.716	1.0	0.000	75.691	75.691
12-2014	0.000		68.586		0.000		13.803		0.00	4.716	1.0	0.000	65.094	65.094
12-2015	0.000		58.984		0.000		11.871		0.00	4.716	1.0	0.000	55.981	55.981
12-2016	0.000		50.726		0.000		10.209		0.00	4.716	1.0	0.000	48.144	48.144
12-2017	0.000		43.624		0.000		8.779		0.00	4.716	1.0	0.000	41.404	41.404
12-2018	0.000		37.517		0.000		7.550		0.00	4.716	1.0	0.000	35.607	35.607
12-2019	0.000		32.265		0.000		6.493		0.00	4.716	1.0	0.000	30.622	30.622
12-2020	0.000		27.748		0.000		5.584		0.00	4.716	1.0	0.000	26.335	26.335
12-2021	0.000		23.863		0.000		4.802		0.00	4.716	1.0	0.000	22.648	22.648
12-2022	0.000		20.522		0.000		4.130		0.00	4.716	1.0	0.000	19.477	19.477
12-2023	0.000		17.649		0.000		3.552		0.00	4.716	1.0	0.000	16.751	16.751
S TOT	0.000		811.114		0.000		163.237		0.00	4.302	1.0	0.000	702.323	702.323
AFTER	0.000		66.177		0.000		13.318		0.00	4.716	1.0	0.000	62.808	62.808
TOTAL	0.000		877.291		0.000		176.555		0.00	4.334	1.0	0.000	765.131	765.131
--END-- MO-YEAR	---OPERATIONS, M\$---				---CAPITAL COSTS, M\$---								8.0%	
	SEV + ADV TAXES	NET OPER EXPENSES	INTEREST+ PRINCIPAL	OPERATION CASH FLOW	TANGIBLE INV.	INTANG. INV.	TOTAL BORROW INV	TOTAL EQUITY INV	CASH BTAX,	FLOW M\$	CUM. BTAX,	DISC M\$		
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		
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		
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		
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		
12-2008	0.331	0.920	0.000	2.750	69.000	267.950	0.000	336.950	-334.200		-311.419			
12-2009	2.885	5.520	0.000	26.491	0.000	0.000	0.000	0.000	26.491		-288.414			
12-2010	3.674	5.520	0.000	35.246	0.000	0.000	0.000	0.000	35.246		-260.073			
12-2011	7.707	5.520	0.000	79.991	0.000	0.000	0.000	0.000	79.991		-200.519			
12-2012	7.276	5.520	0.000	75.217	0.000	0.000	0.000	0.000	75.217		-148.666			
12-2013	6.258	5.520	0.000	63.914	0.000	0.000	0.000	0.000	63.914		-107.870			
12-2014	5.382	5.520	0.000	54.193	0.000	0.000	0.000	0.000	54.193		-75.841			
12-2015	4.628	5.520	0.000	45.833	0.000	0.000	0.000	0.000	45.833		-50.759			
12-2016	3.980	5.520	0.000	38.644	0.000	0.000	0.000	0.000	38.644		-31.178			
12-2017	3.423	5.520	0.000	32.461	0.000	0.000	0.000	0.000	32.461		-15.948			
12-2018	2.944	5.520	0.000	27.143	0.000	0.000	0.000	0.000	27.143		-4.157			
12-2019	2.532	5.520	0.000	22.571	0.000	0.000	0.000	0.000	22.571		4.922			
12-2020	2.177	5.520	0.000	18.638	0.000	0.000	0.000	0.000	18.638		11.864			
12-2021	1.872	5.520	0.000	15.256	0.000	0.000	0.000	0.000	15.256		17.125			
12-2022	1.610	5.520	0.000	12.347	0.000	0.000	0.000	0.000	12.347		21.067			
12-2023	1.385	5.520	0.000	9.846	0.000	0.000	0.000	0.000	9.846		23.978			
S TOT	58.063	83.720	0.000	560.540	69.000	267.950	0.000	336.950	223.590		23.978			
AFTER	5.193	34.500	0.000	23.116	0.000	0.000	0.000	0.000	23.116		29.671			
TOTAL	63.256	118.220	0.000	583.655	69.000	267.950	0.000	336.950	246.705		29.671			

PropID: 4380 RSV CAT: 1PDP
 Well Name: ROSA UNIT #264A
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DATE : 03/22/2011
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 DES : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

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

EFFECTIVE DATE: 09/2007

--END-- MO-YEAR	TAXABLE CASH FLOW M\$-----	DEPRECI- TION M\$-----	DEPLETION M\$-----	INTANG. EXPENSED M\$-----	INTEREST PAID & CAP M\$-----	TAXABLE INCOME M\$-----	TAX CREDIT M\$-----	TAXES PAYABLE M\$-----	CASH FLOW ATAX M\$-----	8.0% CUM. DISC ATAX M\$-----
09-2007	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
11-2007	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
12-2008	2.750	1.972	0.000	267.950	0.000	-267.172	0.000	-93.510	-240.690	-223.718
12-2009	26.491	13.521	0.000	0.000	0.000	12.970	0.000	4.540	21.951	-204.655
12-2010	35.246	15.288	0.000	0.000	0.000	19.958	0.000	6.985	28.261	-181.931
12-2011	79.991	10.918	0.000	0.000	0.000	69.073	0.000	24.175	55.815	-140.375
12-2012	75.217	7.799	0.000	0.000	0.000	67.418	0.000	23.596	51.621	-104.790
12-2013	63.914	6.159	0.000	0.000	0.000	57.754	0.000	20.214	43.700	-76.896
12-2014	54.193	6.157	0.000	0.000	0.000	48.036	0.000	16.813	37.380	-54.803
12-2015	45.833	6.159	0.000	0.000	0.000	39.674	0.000	13.886	31.947	-37.320
12-2016	38.644	1.026	0.000	0.000	0.000	37.618	0.000	13.166	25.477	-24.411
12-2017	32.461	0.000	0.000	0.000	0.000	32.461	0.000	11.361	21.099	-14.511
12-2018	27.143	0.000	0.000	0.000	0.000	27.143	0.000	9.500	17.643	-6.847
12-2019	22.571	0.000	0.000	0.000	0.000	22.571	0.000	7.900	14.671	-0.946
12-2020	18.638	0.000	0.000	0.000	0.000	18.638	0.000	6.523	12.115	3.566
12-2021	15.256	0.000	0.000	0.000	0.000	15.256	0.000	5.340	9.916	6.986
12-2022	12.347	0.000	0.000	0.000	0.000	12.347	0.000	4.322	8.026	9.549
12-2023	9.846	0.000	0.000	0.000	0.000	9.846	0.000	3.446	6.400	11.441
S TOT	560.540	69.000	0.000	267.950	0.000	223.590	0.000	78.256	145.333	11.441
AFTER	23.116	0.000	0.000	0.000	0.000	23.116	0.000	8.091	15.025	15.141
TOTAL	583.655	69.000	0.000	267.950	0.000	246.705	0.000	86.347	160.358	15.141

BTAX RATE OF RETURN (PCT)	9.86	ATAX RATE OF RETURN (PCT)	9.41
BTAX PAYOUT YEARS	7.32	ATAX PAY OUT YEARS	7.39
BTAX PAYOUT YEARS (DISC)	11.79	ATAX PAY OUT YEARS (DISC)	12.54
BTAX NET INCOME/INVEST	1.73	ATAX NET INCOME/INVEST	1.48
BTAX NET INCOME/INVEST(DISC)	1.09	ATAX NET INCOME/INVEST(DISC)	1.05
PRODUCTION START DATE	11/2008	PROJECT LIFE (YEARS)	22.58
		DISCOUNT - RATE (PCT)	8.00
INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	2.090
MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	4.716
GROSS OIL WELLS	0.	GROSS GAS WELLS	1.
CUMULATIVE OIL (MBBL)	0.000	CUMULATIVE GAS (MMF)	0.000
REMAINING OIL (MBBL)	0.000	REMAINING GAS (MMCF)	877.291
ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	877.291
INITIAL WI (PCT)	23.000	FINAL WI (PCT)	23.000
INITIAL NET OIL (PCT)	0.000	FINAL NET OIL (PCT)	0.000
INITIAL NET GAS (PCT)	20.125	FINAL NET GAS (PCT)	20.125

PRESENT WORTH PROFILE AND --- RATE-OF-RETURN VS. BONUS TABLE ---			
P.W. FACTOR	B.F.I.T. WORTH	A.F.I.T. WORTH	A.F.I.T. BONUS
%-----	M\$-----	M\$-----	M\$-----
0.00	246.7	160.4	246.7
2.00	174.2	111.9	160.3
5.00	90.9	56.2	74.6
8.00	29.7	15.1	19.1
10.00	-2.3	-6.3	-7.8
12.00	-28.8	-24.2	-29.0
15.00	-60.7	-45.6	-53.3
18.00	-85.2	-62.1	-71.1
20.00	-98.4	-71.0	-80.3
25.00	-123.3	-87.8	-97.1
30.00	-139.9	-99.0	-107.7
35.00	-150.9	-106.4	-114.3
40.00	-158.2	-111.2	-118.3
45.00	-162.7	-114.2	-120.5
50.00	-165.4	-115.9	-121.6

ROSA UNIT #264A | 1PDP | FRUITLAND COAL | J7PK9POM97 | 62170794
Filtered by Scenario: SJB-OP-PostAudit

Titles

PROPID: @M.PROPID RSV CAT: @M.RESERVE_CATEGORY	BASE
WELL NAME: @M.WELL_NAME	BASE
FIELD: @M.FIELD	BASE
CNTY: @M.BHL_COUNTY ST: @M.STATE	BASE
RESERVOIR: @M.RESERVOIR	BASE
OPERATOR: @M.OPERATOR	BASE

Miscellaneous

BTU @M.BTU	BASE
WELLS 0 1	BASE
<u>LOSS NO</u>	

Production

CUMS 0 0	SJ_OP_POST
START 11/2008	SJ_OP_POST
GAS 265 X M/D 10/2009 AD EXP -50	SJ_OP_POST
" X 10 M/D X YRS EXP 14	SJ_OP_POST

Prices

SIDFILE SJB_JCM_07ACT_COMMERCIAL	SJ_OP_POST
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Expenses

ATX 4.6933 X % TO LIFE PC 0	SJ_OP_POST
STX/GAS 3.75 X % TO LIFE PC 0	SJ_OP_POST
OPC/T 2000 X \$/M TO LIFE PC 0	SJ_OP_POST

Ownership

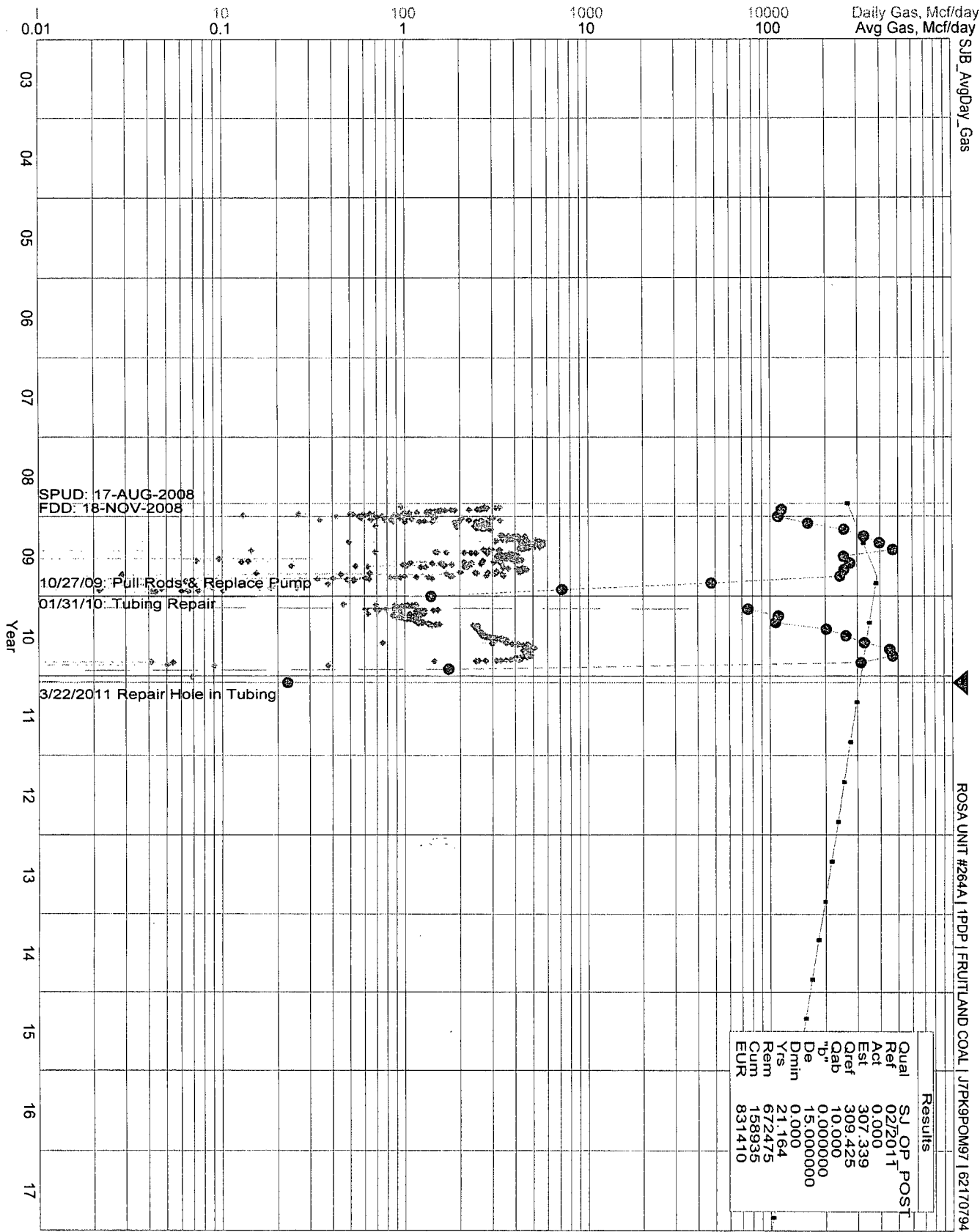
NET @M.WI @M.NRI @M.NRI FRAC	BASE
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Investments

CAPITAL 300 1165 M\$G 08/2008 AD ESC INV	SJ_OP_POST
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Overlays

SIDFILE RI_TOTAL_BR	SJ_OP_POST
LOAD MP.GAS GAS 01/2007 02/2011 #	SJ_OP_POST



RCVD OCT 15 '08

OIL CONS. DIV.

DIST. 3

ROSA UNIT #264A
BASIN FRUITLAND COAL

Surface Location:

2165' FSL and 100' FWL
NW/4 NE/4 Sec 23 (L), T31N, R5W
Rio Arriba, NM

Bottom Hole Location:

909' FSL and 418' FEL
SE/4 SE/4 Sec 22 (P), T31N, R5W
Rio Arriba, NM

Elevation: 6587' GR

API # 30-039-30338

Spud: 08/17/08

Completed 10-13-08

1st Delivered: 00/00/00

Top	MD Depth	TVD Depth
Ojo Alamo	2960'	2730'
Kirtland	3084'	2840'
Fruitland	3500'	3210'

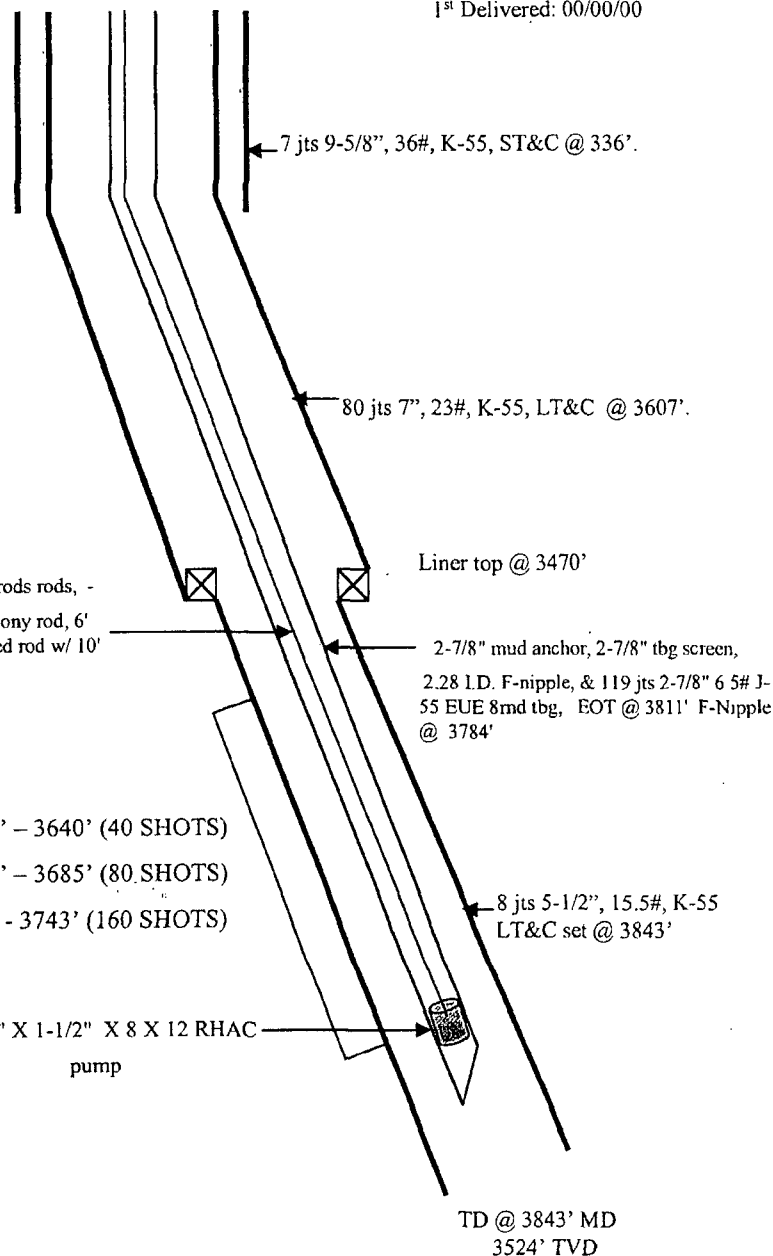
6 - 1-1/2" HF sinker rods, 50 - 3/4" API D rods rods, -
94, 3/4" API D 3 per 2-1/2 guided rods, 8' pony rod, 6'
pony rod, 4' pony rod & 1-1/4" X 12' polished rod w/ 10'
X 1-1/2" liner

0.53", 4SPF
280 holes total

3630' - 3640' (40 SHOTS)
3665' - 3685' (80 SHOTS)
3703 - 3743' (160 SHOTS)

2-1/2" X 1-1/2" X 8 X 12 RHAC
pump

Open hole from 6-1/4" to 9-1/2"
from 3613' - 3843'



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	150 sxs	212 cu.ft.	Surface
8-3/4"	7", 23#	525 sxs	1075 cu.ft.	Surface
6-1/4"	5-1/2", 15.5#	Did Not Cmt		

LH 10-14-08

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised Feb. 26, 2007

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, LLC. P.O. Box 640 Aztec, NM 87410		² OGRID Number 120782
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 039-30338	⁵ Pool Name Basin Fruitland Coal <i>NSL 5959</i>	⁶ Pool Code 71629
⁷ Property Code 17033	⁸ Property Name Rosa Unit	⁹ Well Number 264A

II. ¹⁰ Surface Location

Ul or lot no. L	Section 23	Township 31N	Range 5W	Lot Idn	Feet from the 2165	South Line	Feet from the 100	West line	County Rio Arriba
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¹¹ Bottom Hole Location

Ul or lot no. P	Section 22	Township 31N	Range 5W	Lot Idn	Feet from the 909	South line	Feet from the 418	East line	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	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 15 '08
		OIL CONS. DIV.

IV. Well Completion Data

DIST. 3

²¹ Spud Date 8-17-08	²² Ready Date 10-13-08	²³ TD 3843' MD	²⁴ PBDT 3843' MD	²⁵ Perforations 3630' - 3743'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	9-5/8", 36#, K-55	336'	150 sx - surface		
8-3/4"	7", 23#, K-55	3607'	525 sx - surface		
6-1/4"	5-1/2", 15.5#, K-55	3843'	No Cement		
	2-7/8", 6.5#, J-55	3811'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date N/A	³³ Test Date 10-10-08	³⁴ Test Length 1 hr	³⁵ Tbg. Pressure 00	³⁶ Csg. Pressure 9 psi
³⁷ Choke Size 2"	³⁸ Oil	³⁹ Water	⁴⁰ Gas 1865 mcf p/day		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>Larry Higgins</i>		<i>11/10/08</i> OIL CONSERVATION DIVISION Approved by: <i>Cheryl L...</i> 11-18-08 Title: SUPERVISOR DISTRICT # 3 Approval Date: NOV 18 2008
Printed name: Larry Higgins		
Title: Drilling COM		
E-mail Address: larry.higgins@williams.com		
Date: 10-14-08	Phone: (505)634-4208	<i>NSL approval</i>

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN
DUPLICATE

(See other instructions on
reverse side)

OCT 14 2008

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

5 LEASE DESIGNATION AND LEASE NO
NMSF-078770

6 IF INDIAN, ALLOTTEE OR

7 UNIT AGREEMENT NAME

Rosa Unit

Report to lease

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #264A

9 API WELL NO
30-039-30338-0051

10 FIELD AND POOL, OR WILDCAT
Basin Fruitland Coal

11 SEC, T, R, M, OR BLOCK AND
SURVEY OR AREA
SEC 23-31N-5W

12 COUNTY OR 13 STATE
Rio Arriba New Mexico

19 ELEVATION CASINGHEAD

ROTARY TOOLS
x

CABLE TOOLS

25 WAS DIRECTIONAL SURVEY MADE
YES

27 WAS WELL CORED
NO

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 640, Aztec, NM 87410 (505) 634-4208

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface 2165' FSL & 100' FWL, Sec 23 (L), T31N, R5W
At top production interval reported below 909' FSL & 418' FEL, Sec 22 (P), T31N, R5W
At total depth, Same

14 PERMIT NO DATE ISSUED

18 ELEVATIONS (DK, RKB, RT, GR, ETC)*
6587' GR

15 DATE 16 DATE T D 17 DATE COMPLETED (READY TO PRODUCE)
SPUDDED REACHED
8-17-08 9-19-08 10-13-08

20 TOTAL DEPTH, MD & TVD 21 PLUG, BACK T D, MD & TVD
3843' MD - 3524' TVD 3843' MD

22 IF MULTICOMP, 23 INTERVALS
HOW MANY DRILLED BY

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
Basin Fruitland Coal 3630' - 3743'

26 TYPE ELECTRIC AND OTHER LOGS RUN
Mud Logging only on this well

28 CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB / FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8", K-55	36.0#	336'	12-1/4"	150 SX - SURFACE	
7", K-55	23 0#	3607'	8-3/4"	525 SX - SURFACE	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2", 15 5#, K-55	3470'	3843'	0 SX		2-7/8", 6 5# J-55	3811'	

31 PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal - 3630' - 3743'

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	Well was not fraced or acidized
	RCVD OCT 22 '08 OIL CONS. DIV. DIST. 3

33 PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
		Flowing				SI - waiting on tie-in	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
10-10-08	1 hr	2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0 oz	9 psi				1865 mcf/d		

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

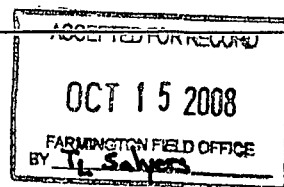
TEST WITNESSED BY Weldon Huggins

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 Weldon Huggins TITLE Drig COM DATE 10-14-08

NMOC



37 SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, coring intervals, and all drill-stem tests, including depth interval tested, casing used, time tool open, flowing and shut-in pressures, and recoveries)

38 GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC	NAME	TOP		
					NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
					OJO ALAMO	2960'	2730'
					KIRTLAND	3084'	2840'
					FRUITLAND	3500'	3210'

March 22, 2011

The Rosa Unit #335A Fruitland Well (commercial) is located 2120 feet from the South Line and 1470 feet from the East Line, Section 05 Township 31 North, Range 05 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on August 23, 2007, and completed in the Fruitland formation on November 07, 2007. The Fruitland formation was completed with a pre-perforated liner between the following depths: 2960' to 3090'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 5 psig. On November 05, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 7/8 tubing, the well gauged 600 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 23.08% 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

A handwritten signature in cursive script, reading "Marcia Brueggenjohann", is written over a solid horizontal line.

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

PropID: 4343 RSV CAT: 1PDP
 Well Name: ROSA UNIT #335A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 Operator: WPC

Date: 03/21/2011
 Time: 18:01:23
 DBS: SJB
 Settings: SETDATA_JCM
 Scenario: SJB-OP-PostAudit

COMBINED INPUT DATA							INITIAL CALCULATED DATA			
KEYWORD & Ref. Code	Beginning	Ending Rates	Schedule Limit	Method & Value	Ultimate @ End Pt.	Init.Deff	Init. Rate	Final Rate		

400 START	01/2008							
401 GAS	75.00	X M/D	0.75 YRS	EXP -600.00	46.474	9/2008	-599.9999	2281. 9817.
402 "	X	X M/D	0.50 IYR	EXP 7.00	104.322	3/2009	7.0000	9817. 9468.
403 "	X	10.00 M/D	X YRS	EXP 16.00	735.113	12/2028	16.0000	9468. 303.

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 4.277 #/M				12/2009		
509 "	01/2010	5.72 5.31 4.66 3.77 #/M				4/2010		
510 "	X	3.87 3.69 4.28 4.08 #/M				8/2010		
511 "	X	3.47 4.126 5.75 5.75 #/M				12/2010		
512 "	5.75	X \$/M	TO LIFE	PC 0.00		12/2028		5.750 5.750

600 ATX	4.69	3.75 %	TO LIFE	PC 0.00		12/2007		0.047 0.037
601 STX/GAS	3.75	X %	TO LIFE	PC 0.00		12/2028		0.037 0.037
602 OPC/T	8150.00	X \$/M	TO LIFE	PC 0.00		12/2028		8150.000 8150.000
701 LSE/WI	100.0000	100.0000 %	TO LIFE	FLAT 0.00		12/2028		1.000 1.000

OVERLAYS	Beginning	Ending Rates	Schedule Limit	Method & Value	Ultimate @ End Pt.	Init.Deff	Init. Rate	Final Rate
901 S 92	S/95	X FRAC	TO LIFE	DIV 146.00		12/2028		
903 S /89	0.00	X FRAC	TO LIFE	MUL 92.00		12/2028		
905 S /89	0.99	X FRAC	TO LIFE	MUL 89.00		12/2028		
907 S /196	S/196	X FRAC	TO LIFE	MINUS 89.00		12/2028		
909 S /88	0.00	X FRAC	TO LIFE	MUL 92.00		12/2028		
911 S /88	1.00	X FRAC	TO LIFE	MINUS 88.00		12/2028		
913 S /196	S/196	X FRAC	TO LIFE	MUL 88.00		12/2028		

914 GAS	01/2007	0 0 0 0 0 0 0 0 0 0 791 2266 2410 1738 1555 #			8.760	3/2008		
915 "	X	3406 4274 5200 6229 8733 9688 9913 9499 9823 4452 #			79.977	1/2009		
916 "	X	4353 5268 5927 6723 6700 7095 4266 5444 7490 7349 #			140.592	11/2009		
917 "	X	5034 2505 3851 4618 4778 3432 5524 3577 4378 9298 #			187.587	9/2010		
918 "	X	16118 17296 20144 16840 #			257.985	1/2011		

INVESTMENTS	Tangible	Intang Units	Invest. Point	Method & Value	Total T&I	Month	Risk Inv.	Tot. T&I&R	Esc. T&I&R
800 CAPITAL	251.51	754.52 MSG	0.00 MOS	ESC INV	1006.028	1/2008	0	1006.0	0.0

MISCELLANEOUS DATA PARAMETERS

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

PROJECT RUN SETTINGS

Base Date	: 09/2007	Time Frames	: 4*1.99*12.8	
P.W. Date	: 09/2007	Primary PW%	: 8.0	Discount Freq. : MID
Report Date	: 09/2007			
Qualifiers	: Prod = SJ_OP_POST	Price = SJ_OP_POST	Cost = SJ_OP_POST	Owner = BASE
	Title = BASE	Misc = BASE	Invest = SJ_OP_POST	Overlay = SJ_OP_POST

BACKUP PARAMETERS USED

NET/GAS	NET/OIL
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PropID: 4343 RSV CAT: 1PDP
 Well Name: ROSA UNIT #335A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/21/2011
 TIME : 18:01:23
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

RESERVES AND ECONOMICS

EFFECTIVE DATE: 09/2007

--END-- MO-YEAR	---GROSS PRODUCTION---			---NET PRODUCTION---			-----PRICES-----		NO. OF WELLS	-----OPERATIONS, M\$-----		
	OIL,	MBBL	GAS, MMCF	OIL,	MBBL	GAS, MMCF	OIL \$/B	GAS \$/M		OIL REVENUE	GAS REVENUE	TOTAL REVENUE
09-2007	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	0.00	0.000	0.0	0.000	0.000	0.000
11-2007	0.000		0.791	0.000		0.791	0.00	5.994	1.0	0.000	4.741	4.741
12-2007	0.000		2.266	0.000		2.266	0.00	6.429	1.0	0.000	14.569	14.569
12-2008	0.000		72.468	0.000		72.468	0.00	6.482	1.0	0.000	469.722	469.722
12-2009	0.000		70.101	0.000		70.101	0.00	3.186	1.0	0.000	223.365	223.365
12-2010	0.000		95.519	0.000		95.519	0.00	4.716	1.0	0.000	450.453	450.453
12-2011	0.000		86.754	0.000		86.754	0.00	5.690	1.0	0.000	493.641	493.641
12-2012	0.000		64.547	0.000		64.547	0.00	5.690	1.0	0.000	367.280	367.280
12-2013	0.000		54.220	0.000		54.220	0.00	5.690	1.0	0.000	308.515	308.515
12-2014	0.000		45.544	0.000		45.544	0.00	5.690	1.0	0.000	259.153	259.153
12-2015	0.000		38.257	0.000		38.257	0.00	5.690	1.0	0.000	217.688	217.688
12-2016	0.000		32.136	0.000		32.136	0.00	5.690	1.0	0.000	182.858	182.858
12-2017	0.000		26.994	0.000		26.994	0.00	5.690	1.0	0.000	153.601	153.601
12-2018	0.000		22.675	0.000		22.675	0.00	5.690	1.0	0.000	129.025	129.025
12-2019	0.000		13.063	0.000		13.063	0.00	5.690	1.0	0.000	74.332	74.332
12-2020												
12-2021												
12-2022												
12-2023												
S TOT	0.000		625.337	0.000		625.337	0.00	5.355	1.0	0.000	3348.942	3348.942
AFTER	0.000		0.000	0.000		0.000	0.00	0.000	1.0	0.000	0.000	0.000
TOTAL	0.000		625.337	0.000		625.337	0.00	5.355	1.0	0.000	3348.942	3348.942

--END-- MO-YEAR	-----OPERATIONS, M\$-----				-----CAPITAL COSTS, M\$-----				8.0%	
	SEV + ADV TAXES	NET OPER EXPENSES	INTEREST+ PRINCIPAL	OPERATION CASH FLOW	TANGIBLE INV.	INTANG. INV.	TOTAL BORROW INV	TOTAL EQUITY INV	CASH BTAX, M\$	FLOW CUM. DISC BTAX, M\$
09-2007	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
11-2007	0.000	0.000	0.000	4.741	0.000	0.000	0.000	0.000	4.741	4.666
12-2007	0.000	0.000	0.000	14.569	0.000	0.000	0.000	0.000	14.569	18.911
12-2008	34.569	97.800	0.000	337.353	251.507	754.521	0.000	1006.028	-668.675	-645.240
12-2009	16.438	97.800	0.000	109.127	0.000	0.000	0.000	0.000	109.127	-550.473
12-2010	33.151	97.800	0.000	319.502	0.000	0.000	0.000	0.000	319.502	-293.568
12-2011	36.329	97.800	0.000	359.512	0.000	0.000	0.000	0.000	359.512	-25.904
12-2012	27.029	97.800	0.000	242.450	0.000	0.000	0.000	0.000	242.450	141.233
12-2013	22.705	97.800	0.000	188.010	0.000	0.000	0.000	0.000	188.010	261.241
12-2014	19.072	97.800	0.000	142.281	0.000	0.000	0.000	0.000	142.281	345.332
12-2015	16.020	97.800	0.000	103.868	0.000	0.000	0.000	0.000	103.868	402.173
12-2016	13.457	97.800	0.000	71.601	0.000	0.000	0.000	0.000	71.601	438.454
12-2017	11.304	97.800	0.000	44.497	0.000	0.000	0.000	0.000	44.497	459.330
12-2018	9.495	97.800	0.000	21.729	0.000	0.000	0.000	0.000	21.729	468.770
12-2019	5.470	65.200	0.000	3.662	0.000	0.000	0.000	0.000	3.662	470.262
12-2020										
12-2021										
12-2022										
12-2023										
S TOT	245.040	1141.000	0.000	1962.902	251.507	754.521	0.000	1006.028	956.874	470.262
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	470.262
TOTAL	245.040	1141.000	0.000	1962.902	251.507	754.521	0.000	1006.028	956.874	470.262

PropID: 4343 RSV CAT: 1PDP
Well Name: ROSA UNIT #335A
Field: BASIN
Cnty: RIO ARRIBA St: NM
Reservoir: FRUITLAND COAL
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Operator: WPC

DATE : 03/21/2011
TIME : 18:01:23
DBS : SJB
SETTINGS : SETDATA_JCM
SCENARIO : SJB-OF-

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

EFFECTIVE DATE: 09/2007

--END--	TAXABLE	DEPRECIA-	DEPLETION	INTANG.	INTEREST	TAXABLE	TAX	TAXES	CASH	8.0%
MO-YEAR	CASH FLOW	TION		EXPENSED	PAID & CAP	INCOME	CREDIT	PAYABLE	FLOW	DISC
-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----
09-2007	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
11-2007	4.741	0.000	0.000	0.000	0.000	4.741	0.000	1.659	3.082	3.033
12-2007	14.569	0.000	0.000	0.000	0.000	14.569	0.000	5.099	9.470	12.292
12-2008	337.353	56.472	0.000	754.521	0.000	-473.639	0.000	-165.774	-502.901	-496.383
12-2009	109.127	55.726	0.000	0.000	0.000	53.401	0.000	18.690	90.437	-417.847
12-2010	319.502	39.797	0.000	0.000	0.000	279.705	0.000	97.897	221.605	-239.659
12-2011	359.512	28.429	0.000	0.000	0.000	331.083	0.000	115.879	243.633	-58.270
12-2012	242.450	22.451	0.000	0.000	0.000	219.999	0.000	77.000	165.451	55.787
12-2013	188.010	22.443	0.000	0.000	0.000	165.567	0.000	57.949	130.062	138.806
12-2014	142.281	22.451	0.000	0.000	0.000	119.829	0.000	41.940	100.340	198.109
12-2015	103.868	3.739	0.000	0.000	0.000	100.129	0.000	35.045	68.823	235.772
12-2016	71.601	0.000	0.000	0.000	0.000	71.601	0.000	25.060	46.541	259.354
12-2017	44.497	0.000	0.000	0.000	0.000	44.497	0.000	15.574	28.923	272.924
12-2018	21.729	0.000	0.000	0.000	0.000	21.729	0.000	7.605	14.124	279.060
12-2019	3.662	0.000	0.000	0.000	0.000	3.662	0.000	1.282	2.380	280.030
12-2020										
12-2021										
12-2022										
12-2023										
S TOT	1962.902	251.507	0.000	754.521	0.000	956.874	0.000	334.906	621.968	280.030
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	280.030
TOTAL	1962.902	251.507	0.000	754.521	0.000	956.874	0.000	334.906	621.968	280.030
BTAX RATE OF RETURN (PCT)	23.08	ATAX RATE OF RETURN (PCT)	19.49	PRESENT WORTH PROFILE AND						
BTAX PAYOUT YEARS	0.00	ATAX PAY OUT YEARS	0.00	---- RATE-OF-RETURN VS. BONUS TABLE ---						
BTAX PAYOUT YEARS (DISC)	0.00	ATAX PAY OUT YEARS (DISC)	0.00	P.W.	B.F.I.T.	A.F.I.T.	A.F.I.T.			
BTAX NET INCOME/INVEST	1.95	ATAX NET INCOME/INVEST	1.62	FACTOR	WORTH	WORTH	BONUS			
BTAX NET INCOME/INVEST(DISC)	1.48	ATAX NET INCOME/INVEST(DISC)	1.29	%-----	M\$-----	M\$-----	M\$-----			
PRODUCTION START DATE	01/2008	PROJECT LIFE (YEARS)	12.00	0.00	956.9	622.0	956.9			
		DISCOUNT - RATE (PCT)	8.00	2.00	810.4	519.5	762.8			
INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	5.994	5.00	624.1	388.6	540.0			
MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	5.690	8.00	470.3	280.0	372.7			
GROSS OIL WELLS	0.	GROSS GAS WELLS	1.	10.00	382.3	217.6	282.9			
CUMULATIVE OIL (MBBL)	0.000	CUMULATIVE GAS (MMF)	-3.057	12.00	304.0	162.0	206.4			
REMAINING OIL (MBBL)	0.000	REMAINING GAS (MMCF)	625.337	15.00	202.2	89.2	110.8			
ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	622.280	18.00	115.7	27.1	32.9			
INITIAL WI (PCT)	100.000	FINAL WI (PCT)	100.000	20.00	65.3	-9.3	-11.2			
INITIAL NET OIL (PCT)	0.000	FINAL NET OIL (PCT)	0.000	25.00	-40.7	-86.3	-101.1			
INITIAL NET GAS (PCT)	100.000	FINAL NET GAS (PCT)	100.000	30.00	-124.0	-147.4	-169.3			
				35.00	-190.5	-196.7	-222.4			
				40.00	-244.0	-236.8	-264.5			
				45.00	-287.7	-269.8	-298.3			
				50.00	-323.6	-297.3	-325.9			

ROSA UNIT #335A | 1PDP | FRUITLAND COAL | J7PK9NML9J | 62178217
Filtered by Scenario: SJB-OP-PostAudit

Titles

PROPID: @M.PROPID RSV CAT: @M.RESERVE_CATEGORY	BASE
WELL NAME: @M.WELL_NAME	BASE
FIELD: @M.FIELD	BASE
CNTY: @M.BHL_COUNTY ST: @M.STATE	BASE
RESERVOIR: @M.RESERVOIR	BASE
OPERATOR: @M.OPERATOR	BASE

Miscellaneous

BTU @M.BTU	BASE
WELLS 0 1	BASE

LOSS NO

Production

CUMS 0 0	SJ_OP_POST
START 01/2008	SJ_OP_POST
GAS 75 X M/D .75 YRS EXP -600	SJ_OP_POST
" X X M/D .5 IYR EXP 7	SJ_OP_POST
" X 10 M/D X YRS EXP 16	SJ_OP_POST

Prices

SIDFILE SJB_JCM_07ACT_COMMERCIAL	SJ_OP_POST
----------------------------------	------------

Expenses

ATX 4.6933 3.75 % TO LIFE PC 0	SJ_OP_POST
STX/GAS 3.75 X % TO LIFE PC 0	SJ_OP_POST
OPC/T 8150 X \$/M TO LIFE PC 0	SJ_OP_POST

Ownership

NET 1 .875 .875 FRAC	SJ_OP_POST
----------------------	------------

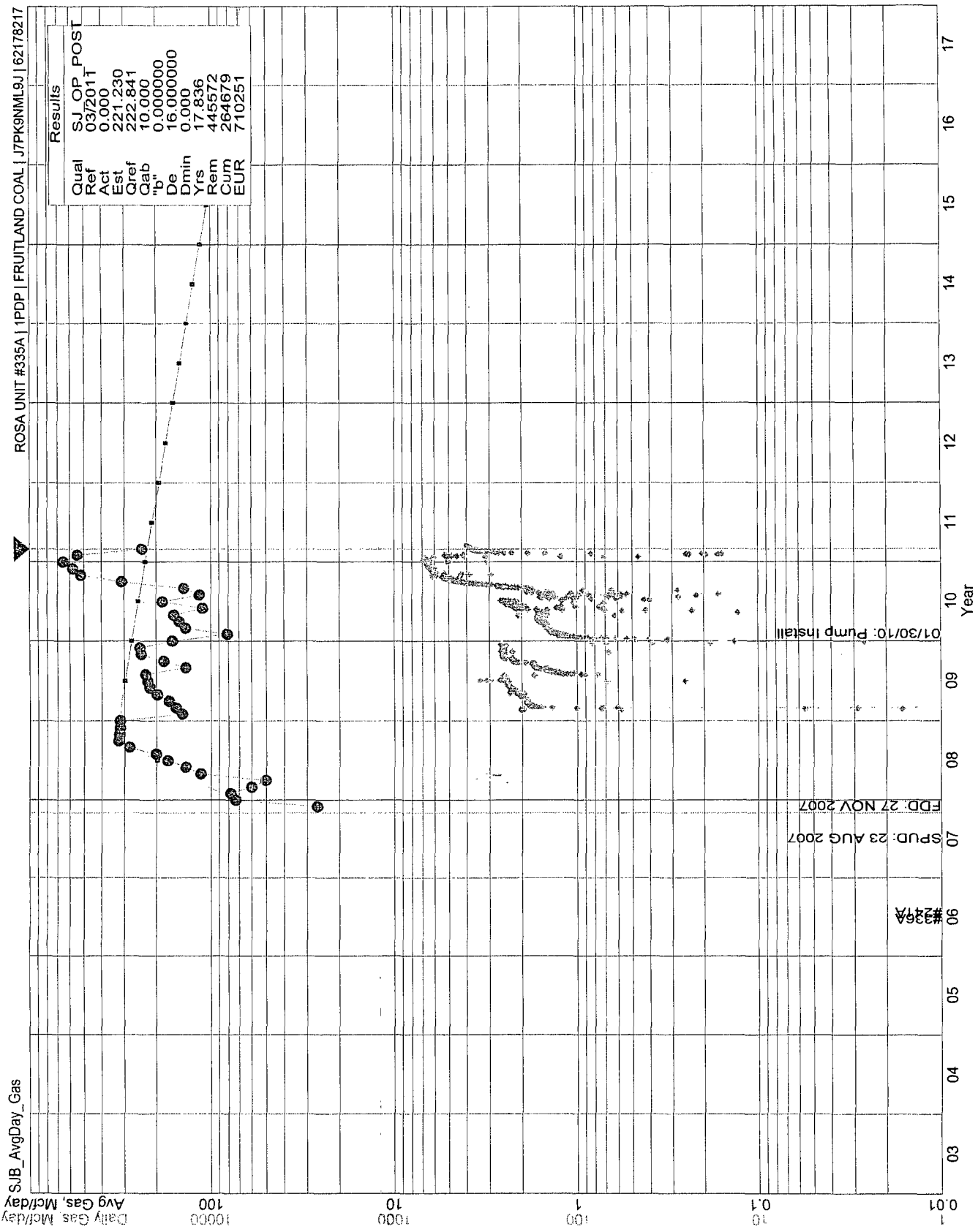
Investments

CAPITAL 251.507 754.521 M\$G 0 MOS ESC INV	SJ_OP_POST
--	------------

Overlays

SIDFILE RI_TOTAL_BR	SJ_OP_POST
LOAD MP.GAS GAS 01/2007 02/2011 #	SJ_OP_POST

SUB_AvgDay_Gas



ROSA UNIT #335A BASIN FRUITLAND COAL

Location:

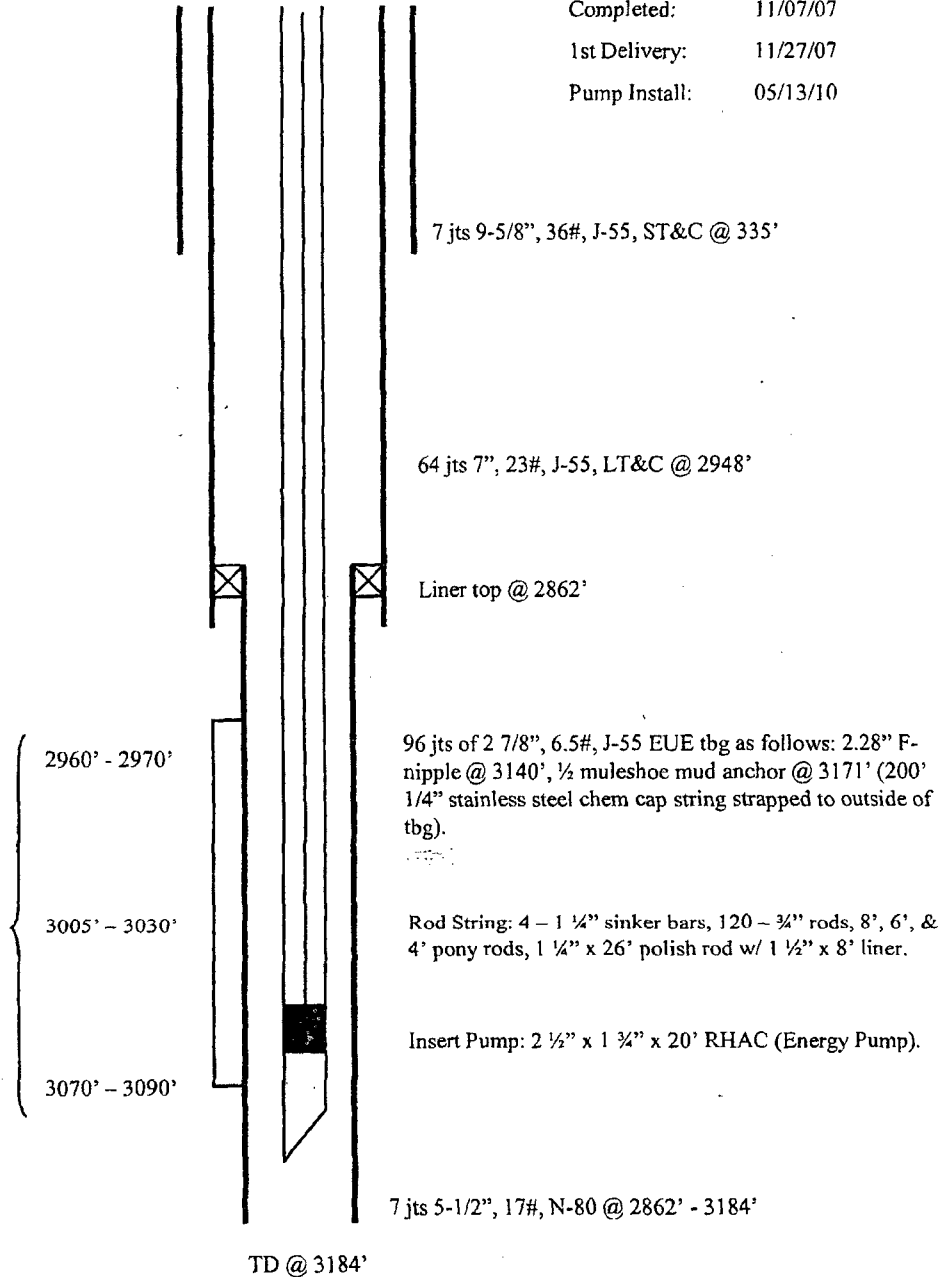
2120' FSL and 1470' FEL
NW/4 SE/4 Sec 05(J), T31N, R05W
Rio Arriba, New Mexico

Elevation: 6276' GR, 6288' KB
API # 30-039-30222

Pumping Unit
Dyna Pump Model 5

Spud: 08/23/07
Completed: 11/07/07
1st Delivery: 11/27/07
Pump Install: 05/13/10

Top	Depth
Ojo Alamo	2372'
Kirtland	2476'
Fruitland	2857'
Pictured Cliffs	3086'



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	250 sxs	353 cu.ft.	Surface
8-3/4"	7", 23#	500 sxs	1015 cu.ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

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 - 039-30222	⁵ Pool Name BASIN FRUITLAND COAL	⁶ Pool Code 71629
⁷ Property Code 17033	⁸ Property Name ROSA UNIT	⁹ Well Number 335A

II. ¹⁰ Surface Location

UL or lot no. J	Section 05	Township 31N	Range 05W	Lot.Idn	Feet from the 2120'	North/South Line SOUTH	Feet from the 1470'	East/West line EAST	County Rio Arriba
---------------------------	----------------------	------------------------	---------------------	---------	-------------------------------	----------------------------------	-------------------------------	-------------------------------	-----------------------------

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID 009018	¹⁹ Transporter Name and Address GIANT REFINING P O BOX 12999 SCOTTSDALE AZ 85267	²⁰ O/G/W O
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA OK 74102	G

RCVD NOV 19 07
OIL CONS. DIV.

DIST. 3

IV. Well Completion Data

²¹ Spud Date 08/23/07	²² Ready Date 11/07/07	²³ TD 3184'	²⁴ PBDT	²⁵ Perforations 2960' - 3090'	²⁶ DHC, MC
²⁷ Hole Size 12 1/4"	²⁸ Casing & Tubing Size 9 5/8", 36#, J-55	²⁹ Depth Set 335'	³⁰ Sacks Cement 250		
8 1/2"	7", 23#, J-55	2948'	500		
6 1/2"	5 1/2", 17#, N-80	2862' - 3184'			
	2-7/8", 6.5#, J-55	3145'			

VI. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date 11/05/07	³⁴ Test Length 1 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 5
³⁷ Choke Size 2"	³⁸ Oil	³⁹ Water	⁴⁰ Gas 600		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>			11/20/07 OIL CONSERVATION DIVISION Approved by: <i>[Signature]</i> Title: SUPERVISOR DISTRICT # 3 Approval Date: NOV 26 2007		
Printed name: Tracy Ross					
Title: Sr. Production Analyst					
E-mail Address: Tracy.ross@williams.com					
Date: 11/15/07		Phone: 918-573-6254			

RCM approval

0

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*

RECEIVED

NOV 19 2007

Bureau of Land Management
Fermington Field Office

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) 573-6234				
4.	LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface: 2120' FSL & 1470' FEL At top production interval reported below At total depth:				
5	LEASE DESIGNATION AND LEASE NO. NMSF-078763				
6	IF INDIAN ALLOTTEE OR RCVD NOV 20 '07				
7	UNIT AGREEMENT NAME OIL CONS. DIV. DIST. 3				
8	FARM OR LEASE NAME, WELL NO ROSA UNIT #335A				
9	API WELL NO 30-039-30222 - 0051				
10	FIELD AND POOL, OR WILDCAT BASIN FRUITLAND COAL				
11	SEC., T., R., M. OR BLOCK AND SURVEY OR AREA NW/4 SE/4 SEC 05-T31N-R05W				
12	COUNTY OR RJO ARRIBA		13 STATE NEW MEXICO		
14	PERMIT NO		DATE ISSUED		
15	DATE SPUDDED 08/23/07	16	DATE T D REACHED 10/18/07	17	DATE COMPLETED (READY TO PRODUCE) 11/07/07
18	ELEVATIONS (DK, RKB, RT, GR, ETC)* 6276' GR				
19	ELEVATION CASINGHEAD				
20	TOTAL DEPTH, MD & TVD 3184' MD		21	PLUG, BACK T D, MD & TVD	
22	IF MULTICOMP, HOW MANY		23	INTERVALS DRILLED BY	
24	PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* BASIN FRUITLAND COAL 2960' - 3090'				
25	WAS DIRECTIONAL SURVEY MADE NO				
26	TYPE ELECTRIC AND OTHER LOGS RUN NONE				
27	WAS WELL CORED NO				

28 CASING REPORT (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" J-55	36#	335'	12-1/4"	250 SX - SURFACE	
7" J-55	23#	2948'	8-3/4"	500 SX - SURFACE	
29 LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30 TUBING RECORD
5 1/2", N80, 17#	2862'	3184'	0 SX		SIZE DEPTH SET (MD) PACKER SET (MD)
31 PERFORATION RECORD (Interval, size, and number)				32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC	
Basin Fruitland Coal: 2960' - 3090', total of 220, 0.49" perforations				DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED	
				WELL WAS NOT ACIDIZED OR FRACED	

33 PRODUCTION				
DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Flowing	WELL STATUS (PRODUCING OR SI) SI waiting on approval of C-104		
DATE OF TEST 11/05/07	TESTED CHOKE SIZE 2"	PROD'N FOR TEST PERIOD 1 hr	OIL - BBL GAS - MCF 600	WATER - BBL GAS-OIL RATIO
FLOW TBG PRESS 0	CASING PRESSURE 5	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 Weldon Higgins

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 Arcy Ross TITLE Sr Production Analyst DATE November 15, 2007

NMOCD

ACCEPTED FOR RECORD
NOV 20 2007
FARMINGTON FIELD OFFICE
BY IL Salyers

37 SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, blowing and shut-in pressures, and recoveries)

38 GEOLOGIC MARKERS

1200

FORMATION

TOP

BOTTOM

DESCRIPTION, CONTENTS, ETC.

NAME

TOP

NAME

MEASURED DEPTH

TRUE VERTICAL DEPTH

2874/102 51

OJO ALAMO

2372'

KIRTLAND

2476'

FRUITLAND

2857'

PICTURED CLIFFS

3086'

March 22, 2011

The Rosa Unit #360A Fruitland Well (commercial) is located 1470 feet from the North Line and 2095 feet from the East Line, Section 09 Township 31 North, Range 05 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on August 08, 2008, and completed in the Fruitland formation on August 30, 2008. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3665' to 3812'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 20.0 oz. On September 26, 2008 the well was tested and after flowing for 1 hour through 2" choke on the 2 7/8 tubing, the well gauged 687 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 10.79% 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

A handwritten signature in cursive script, reading "Marcia Brueggenjohann", is written over a horizontal line.

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

PropID: 4351 RSV CAT: 1PDP
 Well Name: ROSA UNIT #360A
 Field: BASIN
 Cnty: RIO ARRIBA St: NM
 Reservoir: FRUITLAND COAL
 Operator: WPC

Date: 03/21/2011
 Time: 18:10:48
 DBS: SJB
 Settings: SETDATA_JCM
 Scenario: SJB-OP-PostAudit

COMBINED INPUT DATA										INITIAL CALCULATED DATA			
KEYWORD & Ref. Code	Beginning, Ending Rates			Schedule Limit		Method & Value		Ultimate @	End Pt.	Init.Deff	Init. Rate	Final Rate	
400 START	11/2008												
401 GAS	672.00	X	M/D	01/2010	AD	B/0.8727	79.00	112.358	12/2009	79.0000	20440.	3754.	
402 "	X	450.00	M/D	12/2010	AD	EXP	X	196.826	11/2010	-310.0676	3754.	13688.	
403 "	X	X	M/D	5.00	MOS	FLAT	X	196.825	11/2010		13688.	13688.	
404 "	X	X	M/D	30.00	YRS	EXP	16.00	1131.630	10/2038	16.0000	13688.	105.	
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	4.277	#/M			12/2009				
509 "	01/2010	5.72	5.31	4.66	3.77	#/M			4/2010				
510 "	X	3.87	3.69	4.28	4.08	#/M			8/2010				
511 "	X	3.47	4.126	5.75	5.75	#/M			12/2010				
512 "	5.75	X	\$/M	TO	LIFE	PC	0.00		10/2038		5.750	5.750	
600 ATX	4.69	X	%	TO	LIFE	PC	0.00		10/2038		0.047	0.047	
601 STX/GAS	3.75	X	%	TO	LIFE	PC	0.00		10/2038		0.037	0.037	
602 OPC/T	4800.00	X	\$/M	TO	LIFE	PC	0.00		10/2038		4800.000	4800.000	
705 LSE/WI	1.0000	D	FRAC	TO	LIFE	FLAT	0.00		10/2038		1.000	1.000	
720 NET/OIL	0.8750	D	FRAC	TO	LIFE	FLAT	0.00		10/2038		0.875	0.875	
740 NET/GAS	0.8750	D	FRAC	TO	LIFE	FLAT	0.00		10/2038		0.875	0.875	
OVERLAYS	Beginning, Ending Rates			Schedule Limit		Method & Value		Ultimate @	End Pt.	Init.Deff	Init. Rate	Final Rate	
901 S 92	S/95	X	FRAC	TO	LIFE	DIV	146.00		10/2038				
903 S /89	0.45	X	FRAC	TO	LIFE	MUL	92.00		10/2038				
905 S /89	0.99	X	FRAC	TO	LIFE	MUL	89.00		10/2038				
907 S /196	S/196	X	FRAC	TO	LIFE	MINUS	89.00		10/2038				
909 S /88	0.06	X	FRAC	TO	LIFE	MUL	92.00		10/2038				
911 S /88	1.00	X	FRAC	TO	LIFE	MINUS	88.00		10/2038				
913 S /196	S/196	X	FRAC	TO	LIFE	MUL	88.00		10/2038				
914 GAS	01/2007	0	0	0	0	0	0	0	0	0	0	0.000 4/2008	
915 "	X	0	0	0	0	7541	16046	17985	13547	10411	9048	81.993 4/2009	
916 "	X	7718	6959	6060	2023	5298	654	4067	2289	2611	2856	122.518 2/2010	
917 "	X	4450	5640.99	5800	7642	10004	10992	12185	13392			192.624 10/2010	
918 "	X	13502	14178	11931								232.235 1/2011	

INVESTMENTS	Tangible Intang Units		Invest. Point		Method & Value		Total T&I	Month	Risk Inv.	Tot. T&I&R	Esc. T&I&R
800 CAPITAL	297.00	1066.00	MSG	11/2008	AD	ESC INV	1363.000	11/2008	0	1363.0	0.0

MISCELLANEOUS DATA PARAMETERS

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

PROJECT RUN SETTINGS

Base Date : 09/2007 Time Frames : 4*1,99*12,8
 P.W. Date : 09/2007 Primary PW% : 8.0 Discount Freq. : MID
 Report Date : 09/2007
 Qualifiers : Prod = SJ_OP_POST Price = SJ_OP_POST Cost = SJ_OP_POST Owner = BASE
 Title = BASE Misc = BASE Invest = SJ_OP_POST Overlay = SJ_OP_POST

PropID: 4351 RSV CAT: 1PDP
 Well Name: ROSA UNIT #360A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/21/2011
 TIME : 18:10:48
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

RESERVES AND ECONOMICS

EFFECTIVE DATE: 09/2007

--END-- MO-YEAR	---GROSS PRODUCTION---			---NET PRODUCTION---			---PRICES---		NO. OF WELLS	-----OPERATIONS, M\$-----		
	OIL, MMBL	GAS, MMCF		OIL, MMBL	GAS, MMCF		OIL \$/B	GAS \$/M		OIL REVENUE	GAS REVENUE	TOTAL REVENUE
09-2007	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		0.00	0.000	0.0	0.000	0.000	0.000
11-2007	0.000	0.000		0.000	0.000		0.00	0.000	0.0	0.000	0.000	0.000
12-2007	0.000	0.000		0.000	0.000		0.00	0.000	0.0	0.000	0.000	0.000
12-2008	0.000	41.572		0.000	29.777		0.00	3.003	1.0	0.000	89.407	89.407
12-2009	0.000	75.479		0.000	66.044		0.00	2.521	1.0	0.000	166.471	166.471
12-2010	0.000	103.253		0.000	90.346		0.00	3.684	1.0	0.000	332.856	332.856
12-2011	0.000	113.008		0.000	98.882		0.00	4.812	1.0	0.000	475.841	475.841
12-2012	0.000	93.318		0.000	81.653		0.00	4.812	1.0	0.000	392.931	392.931
12-2013	0.000	78.387		0.000	68.588		0.00	4.812	1.0	0.000	330.062	330.062
12-2014	0.000	65.845		0.000	57.614		0.00	4.812	1.0	0.000	277.252	277.252
12-2015	0.000	55.310		0.000	48.396		0.00	4.812	1.0	0.000	232.892	232.892
12-2016	0.000	46.460		0.000	40.653		0.00	4.812	1.0	0.000	195.629	195.629
12-2017	0.000	39.027		0.000	34.148		0.00	4.812	1.0	0.000	164.328	164.328
12-2018	0.000	32.782		0.000	28.684		0.00	4.812	1.0	0.000	138.036	138.036
12-2019	0.000	27.537		0.000	24.095		0.00	4.812	1.0	0.000	115.950	115.950
12-2020	0.000	23.131		0.000	20.240		0.00	4.812	1.0	0.000	97.398	97.398
12-2021	0.000	19.430		0.000	17.001		0.00	4.812	1.0	0.000	81.814	81.814
12-2022	0.000	16.321		0.000	14.281		0.00	4.812	1.0	0.000	68.724	68.724
12-2023												
S TOT	0.000	830.859		0.000	720.404		0.00	4.386	1.0	0.000	3159.591	3159.591
AFTER	0.000	0.000		0.000	0.000		0.00	0.000	1.0	0.000	0.000	0.000
TOTAL	0.000	830.859		0.000	720.404		0.00	4.386	1.0	0.000	3159.591	3159.591

--END-- MO-YEAR	-----OPERATIONS, M\$-----				-----CAPITAL COSTS, M\$-----				8.0%		
	SEV + ADV TAXES	NET OPER EXPENSES	INTEREST+ PRINCIPAL	OPERATION CASH FLOW	TANGIBLE INV.	INTANG. INV.	TOTAL BORROW INV	TOTAL EQUITY INV	CASH BTAX, M\$	FLOW M\$	CUM. DISC BTAX, M\$
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
12-2008	7.392	9.600	0.000	72.415	297.000	1066.000	0.000	1363.000	-1290.585	-1178.036	
12-2009	13.763	57.600	0.000	95.109	0.000	0.000	0.000	0.000	95.109	-1095.443	
12-2010	27.518	57.600	0.000	247.738	0.000	0.000	0.000	0.000	247.738	-896.242	
12-2011	39.339	57.600	0.000	378.902	0.000	0.000	0.000	0.000	378.902	-614.142	
12-2012	32.485	57.600	0.000	302.846	0.000	0.000	0.000	0.000	302.846	-405.369	
12-2013	27.287	57.600	0.000	245.175	0.000	0.000	0.000	0.000	245.175	-248.873	
12-2014	22.921	57.600	0.000	196.731	0.000	0.000	0.000	0.000	196.731	-132.601	
12-2015	19.254	57.600	0.000	156.038	0.000	0.000	0.000	0.000	156.038	-47.210	
12-2016	16.173	57.600	0.000	121.856	0.000	0.000	0.000	0.000	121.856	14.535	
12-2017	13.586	57.600	0.000	93.143	0.000	0.000	0.000	0.000	93.143	58.235	
12-2018	11.412	57.600	0.000	69.024	0.000	0.000	0.000	0.000	69.024	88.221	
12-2019	9.586	57.600	0.000	48.764	0.000	0.000	0.000	0.000	48.764	107.835	
12-2020	8.052	57.600	0.000	31.746	0.000	0.000	0.000	0.000	31.746	119.659	
12-2021	6.764	57.600	0.000	17.451	0.000	0.000	0.000	0.000	17.451	125.677	
12-2022	5.682	57.600	0.000	5.442	0.000	0.000	0.000	0.000	5.442	127.415	
12-2023											
S TOT	261.213	816.000	0.000	2082.378	297.000	1066.000	0.000	1363.000	719.378	127.415	
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	127.415	
TOTAL	261.213	816.000	0.000	2082.378	297.000	1066.000	0.000	1363.000	719.378	127.415	

PropID: 4351 RSV CAT: 1PDP
 Well Name: ROSA UNIT #360A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/21/2011
 TIME : 18:10:48
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

AFTER TAX ECONOMICS

EFFECTIVE DATE: 09/2007

--END--	TAXABLE	DEPRECIA-	DEPLETION	INTANG.	INTEREST	TAXABLE	TAX	TAXES	CASH	8.0%
MO-YEAR	CASH FLOW	TION		EXPENSED	PAID & CAP	INCOME	CREDIT	PAYABLE	FLOW	CUM. DISC
-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----
09-2007	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
11-2007	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
12-2008	72.415	8.488	0.000	1066.000	0.000	-1002.073	0.000	-350.726	-939.859	-849.097
12-2009	95.109	58.198	0.000	0.000	0.000	36.910	0.000	12.919	82.190	-777.723
12-2010	247.738	65.805	0.000	0.000	0.000	181.932	0.000	63.676	184.061	-629.723
12-2011	378.902	46.995	0.000	0.000	0.000	331.907	0.000	116.167	262.735	-434.112
12-2012	302.846	33.571	0.000	0.000	0.000	269.275	0.000	94.246	208.600	-290.310
12-2013	245.175	26.512	0.000	0.000	0.000	218.662	0.000	76.532	168.643	-182.664
12-2014	196.731	26.502	0.000	0.000	0.000	170.228	0.000	59.580	137.151	-101.605
12-2015	156.038	26.512	0.000	0.000	0.000	129.526	0.000	45.334	110.704	-41.023
12-2016	121.856	4.415	0.000	0.000	0.000	117.440	0.000	41.104	80.752	-0.106
12-2017	93.143	0.000	0.000	0.000	0.000	93.143	0.000	32.600	60.543	28.299
12-2018	69.024	0.000	0.000	0.000	0.000	69.024	0.000	24.158	44.866	47.790
12-2019	48.764	0.000	0.000	0.000	0.000	48.764	0.000	17.067	31.697	60.539
12-2020	31.746	0.000	0.000	0.000	0.000	31.746	0.000	11.111	20.635	68.225
12-2021	17.451	0.000	0.000	0.000	0.000	17.451	0.000	6.108	11.343	72.136
12-2022	5.442	0.000	0.000	0.000	0.000	5.442	0.000	1.905	3.538	73.266
12-2023										
S TOT	2082.378	297.000	0.000	1066.000	0.000	719.378	0.000	251.782	467.596	73.266
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	73.266
TOTAL	2082.378	297.000	0.000	1066.000	0.000	719.378	0.000	251.782	467.596	73.266

BTAX RATE OF RETURN (PCT)	10.79	ATAx RATE OF RETURN (PCT)	10.38
BTAX PAYOUT YEARS	6.44	ATAx PAY OUT YEARS	6.58
BTAX PAYOUT YEARS (DISC)	9.10	ATAx PAY OUT YEARS (DISC)	9.34
BTAX NET INCOME/INVEST	1.53	ATAx NET INCOME/INVEST	1.34
BTAX NET INCOME/INVEST(DISC)	1.10	ATAx NET INCOME/INVEST(DISC)	1.06
PRODUCTION START DATE	11/2008	PROJECT LIFE (YEARS)	15.33
		DISCOUNT - RATE (PCT)	8.00
INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	4.234
MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	4.812
GROSS OIL WELLS	0.	GROSS GAS WELLS	1.
CUMULATIVE OIL (MBBL)	0.000	CUMULATIVE GAS (MMF)	-7.541
REMAINING OIL (MBBL)	0.000	REMAINING GAS (MMCF)	830.859
ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	823.318
INITIAL WI (PCT)	100.000	FINAL WI (PCT)	100.000
INITIAL NET OIL (PCT)	0.000	FINAL NET OIL (PCT)	0.000
INITIAL NET GAS (PCT)	186.186	FINAL NET GAS (PCT)	87.500

PRESENT WORTH PROFILE AND --- RATE-OF-RETURN VS. BONUS TABLE ---			
P.W.	B.F.I.T.	A.F.I.T.	A.F.I.T.
FACTOR	WORTH	WORTH	BONUS
%-----	M\$-----	M\$-----	M\$-----
0.00	719.4	467.6	719.4
2.00	530.8	341.7	496.2
5.00	303.4	190.2	258.7
8.00	127.4	73.3	94.9
10.00	32.1	10.1	12.8
12.00	-49.0	-43.5	-53.7
15.00	-148.8	-109.2	-131.2
18.00	-227.9	-160.9	-189.3
20.00	-271.4	-189.2	-219.8
25.00	-355.1	-243.1	-275.5
30.00	-412.3	-279.3	-310.7
35.00	-451.0	-303.1	-332.4
40.00	-476.7	-318.2	-345.1
45.00	-493.1	-327.2	-351.6
50.00	-502.6	-331.7	-353.8

ROSA UNIT #360A | 1PDP | FRUITLAND COAL | J7PK9OMHGJ | 62050628
Filtered by Scenario: SJB-OP-PostAudit

Titles

PROPID: @M.PROPID RSV CAT: @M.RESERVE_CATEGORY	BASE
WELL NAME: @M.WELL_NAME	BASE
FIELD: @M.FIELD	BASE
CNTY: @M.BHL_COUNTY ST: @M.STATE	BASE
RESERVOIR: @M.RESERVOIR	BASE
OPERATOR: @M.OPERATOR	BASE

Miscellaneous

BTU @M.BTU	BASE
WELLS 0 1	BASE

LOSS NO

Production

CUMS 0 0	SJ_OP_POST
START 11/2008	SJ_OP_POST
GAS 672 X M/D 01/2010 AD B/0.8727 79	SJ_OP_POST
" X 450 M/D 12/2010 AD EXP X	SJ_OP_POST
" X X M/D 5 MOS FLAT X	SJ_OP_POST
" X X M/D 30 YRS EXP 16	SJ_OP_POST

Prices

SIDFILE SJB_JCM_07ACT_COMMERCIAL	SJ_OP_POST
----------------------------------	------------

Expenses

ATX 4.6933 X % TO LIFE PC 0	SJ_OP_POST
STX/GAS 3.75 X % TO LIFE PC 0	SJ_OP_POST
OPC/T 4800 X \$/M TO LIFE PC 0	SJ_OP_POST

Ownership

NET @M.WI @M.NRI @M.NRI FRAC	BASE
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Investments

CAPITAL 297 1066 M\$G 11/2008 AD ESC INV	SJ_OP_POST
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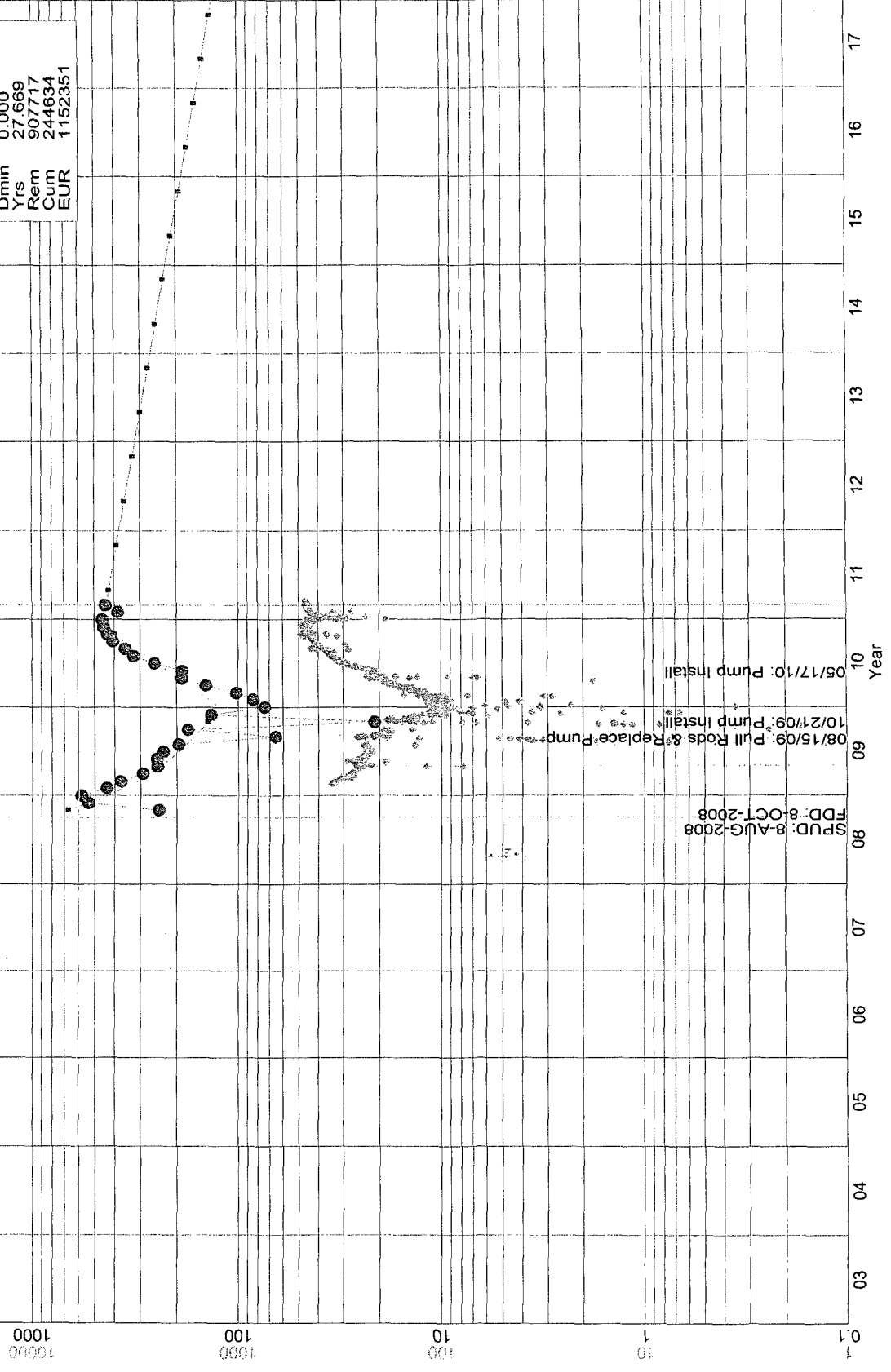
Overlays

SIDFILE RI_TOTAL_BR	SJ_OP_POST
LOAD MP.GAS GAS 01/2007 02/2011 #	SJ_OP_POST

SJB_AvgDay_Gas

Daily Gas, Mcf/day
Avg Gas, Mcf/day

Results	
Qual	SJ_OP_POST
Ref	03/2011
Act	0.000
Est	433.951
Qref	437.112
Qab	3.513
"b"	0.000000
De	16.000000
Dmin	0.000
Yrs	27.669
Rem	907717
Cum	244634
EUR	1152351



DIST. 3

ROSA UNIT #360A
BASIN FRUITLAND COAL

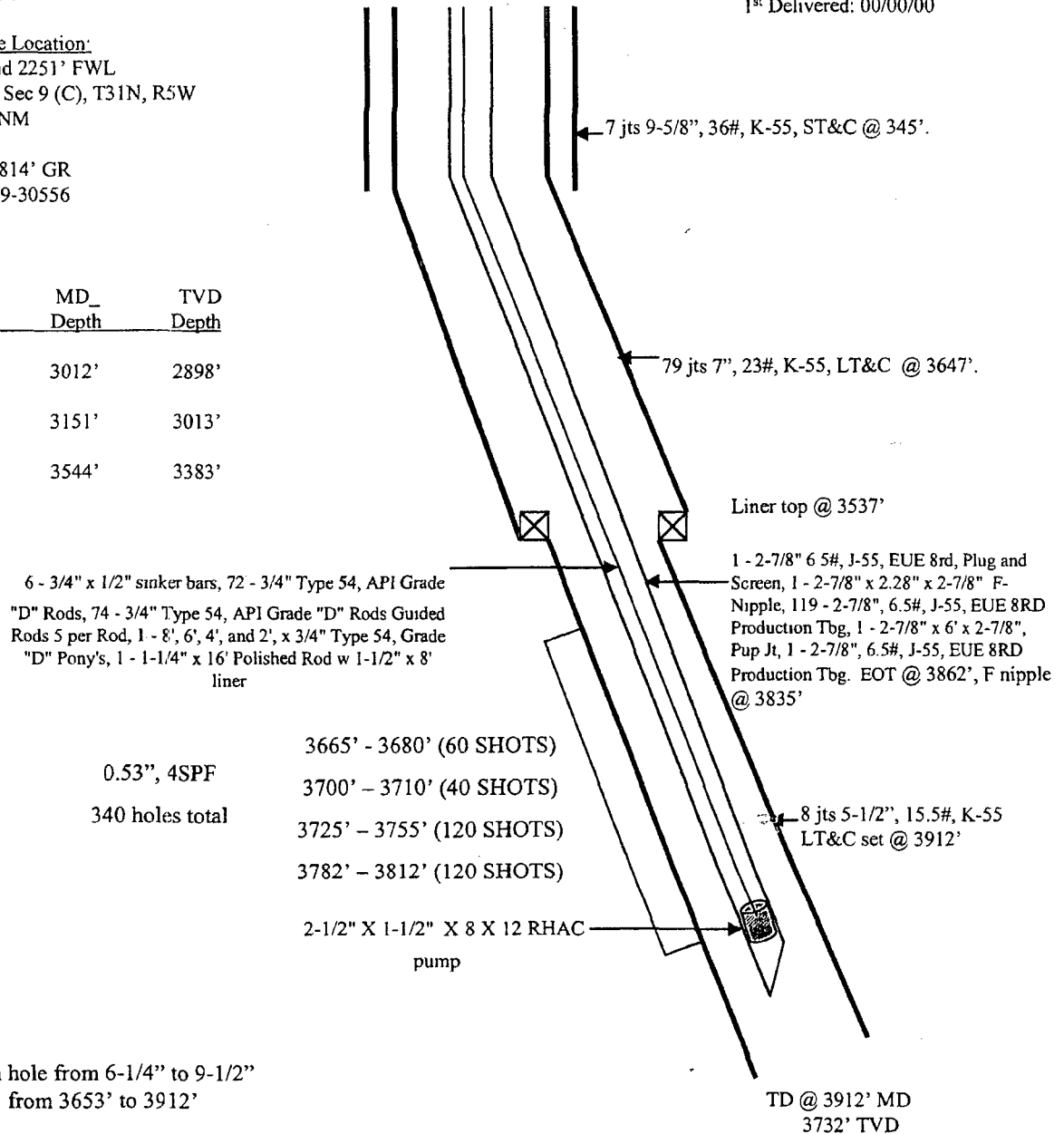
Surface Location:
1470' FNL and 2095' FEL
SW/4 NE/4 Sec 9 (G), T31N, R5W
Rio Arriba, NM

Spud: 08/08/08
Completed: 09/30/08
1st Delivered: 00/00/00

Bottom Hole Location:
948' FSL and 2251' FWL
NE/4 NW/4 Sec 9 (C), T31N, R5W
Rio Arriba, NM

Elevation: 6814' GR
API # 30-039-30556

Top	MD_ Depth	TVD Depth
Ojo Alamo	3012'	2898'
Kirtland	3151'	3013'
Fruitland	3544'	3383'



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	150 sxs	211 cu.ft.	Surface
8-3/4"	7", 23#	525 sxs	1060 cu.ft.	Surface
6-1/4"	5-1/2", 15.5#	Did Not Cmt		

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 Feb. 26, 2007

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, LLC. P.O. Box 640 Aztec, NM 87410		² OGRID Number 120782
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 039-30556	⁵ Pool Name Basin Fruitland Coal NSL-5869	⁶ Pool Code 71629
⁷ Property Code 17033	⁸ Property Name Rosa Unit	⁹ Well Number 360A

II. ¹⁰ Surface Location

Ul or lot no. G	Section 9	Township 31N	Range 5W	Lot Idn	Feet from the 1470	North Line	Feet from the 2095	East line	County Rio Arriba
--------------------	--------------	-----------------	-------------	---------	-----------------------	------------	-----------------------	-----------	----------------------

¹¹ Bottom Hole Location

Ul or lot no. C	Section 9	Township 31N	Range 5W	Lot Idn	Feet from the 948	North line	Feet from the 2251	West line	County Rio Arriba
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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
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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 3 '08
		OIL CONS. DIV.

IV. Well Completion Data

DIST. 3

²¹ Spud Date 8-8-08	²² Ready Date 9-30-08	²³ TD 3912' MD	²⁴ PBDT 3912' MD	²⁵ Perforations 3665' - 3812' MD	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	9-5/8", 36#, K-55	345'	150 sx - surface		
8-3/4"	7", 23#, K-55	3647'	525 sx - surface		
6-1/4"	5-1/2", 15.5#, K-55	3912'	No Cement		
	2-7/8", 6.5#, J-55	3862'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date N/A	³³ Test Date 9-26-08	³⁴ Test Length 1 hr	³⁵ Tbg. Pressure 00	³⁶ Csg. Pressure 20 oz
³⁷ Choke Size 2"	³⁸ Oil	³⁹ Water	⁴⁰ Gas 687 mcf p/day		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>Larry Higgins</i>		⁴³ Approved by: <i>Charles H. ...</i> Title: SUPERVISOR DISTRICT # 3 Approval Date: OCT 21 2008
Printed name: Larry Higgins		
Title: Drilling COM		
E-mail Address: larry.higgins@williams.com		
Date: 10-2-08	Phone: (505)634-4208	

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN
OCT 02 2008
DUPLICATE

(See other instructions on
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

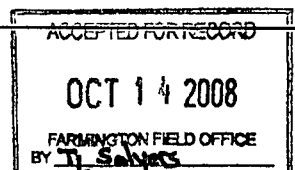
1a	TYPE OF WELL	OIL WELL	☒ GAS WELL	DRY	OTHER
b	TYPE OF COMPLETION	☒ NEW WELL WORKOVER DEEPEN PLUG BACK DIFF RESVR OTHER			
2	NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY				
3	ADDRESS AND TELEPHONE NO P.O. Box 640, Aztec, NM 87410 (505) 634-4208				
4	LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface 1470' FNL & 2095' FEL, Sec 9 (G), T31N, R5W At top production interval reported below 948' FNL & 2251' FWL, Sec 9 (C), T31N, R5W At total depth Same				
5	LEASE DESIGNATION AND LEASE NO NMSF-078763				
6	IF INDIAN, ALLOTTEE OR				
7	UNIT AGREEMENT NAME Rosa Unit Report to lease				
8	FARM OR LEASE NAME, WELL NO Rosa Unit #360A				
9	API WELL NO 30-039-30556-0061				
10	FIELD AND POOL, OR WILDCAT Basin Fruitland Coal				
11	SEC, T, R, M, OR BLOCK AND SURVEY OR AREA SEC 9-31N-5W				
12	COUNTY OR Rio Arriba		13 STATE New Mexico		
15	DATE SPUDDED 8-8-08	16 DATE T D REACHED 9-5-08	17 DATE COMPLETED (READY TO PRODUCE) 9-30-08	18 ELEVATIONS (DK, RKB, RT, GR, ETC)* 6814' GR	19 ELEVATION CASINGHEAD
20	TOTAL DEPTH, MD & TVD 3912' MD / 3732' TVD		21 PLUG, BACK T D, MD & TVD 3912' MD	22 IF MULTICOMP, HOW MANY	23 INTERVALS DRILLED BY
24	PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Basin Fruitland Coal 3665' - 3812'				25 WAS DIRECTIONAL SURVEY MADE YES
26	TYPE ELECTRIC AND OTHER LOGS RUN Mud Logging only on this well				27 WAS WELL CORED NO

28 CASING REPORT (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8", K-55	36.0#	345'	12-1/4"	150 SX - SURFACE	
7", K-55	23.0#	3647'	8-3/4"	525 SX - SURFACE	
29 LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	PACKER SET (MD)
5-1/2", 15.5#, K-55	3537'	3912'	0 SX		
31 PERFORATION RECORD (Interval, size, and number)			30 TUBING RECORD		
Basin Fruitland Coal - 3665' - 3812' MD			32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC		
			DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	
			Well was not fraced or acidized		
			RCVD OCT 15 '08		
			OIL CONS. DIV.		

33 PRODUCTION		DIST. 3				
DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Flowing			WELL STATUS (PRODUCING OR SI) SI - waiting on NSL approval	
DATE OF TEST 9-26-08	TESTED 1 hr	CHOKE SIZE 2"	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL
FLOW TBG PRESS 0 oz	CASING PRESSURE 20.0 oz	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF 687 mcf/d	WATER - BBL
34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc) TO BE SOLD					TEST WITNESSED BY Sergio Borunda	

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 <i>Carney Higgins</i>		TITLE <i>Drilg COM</i> DATE <i>10-2-08</i>	

NMOCD



37 SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries)

38 GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC	NAME	TOP		
					NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
				OJO ALAMO		3012'	2898'
				KIRTLAND		3151'	3013'
				FRUITLAND		3544'	3383'

March 22, 2011

The Rosa Unit #380 Fruitland Well (commercial) is located 2600 feet from the South Line and 750 feet from the West Line, Section 20 Township 31 North, Range 04 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on September 18, 2008, and completed in the Fruitland formation on May 02, 2009. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3505' to 3570'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 64 oz. On April 27, 2009 the well was tested and after flowing for 1 hour through a 2" choke on the 2 7/8 tubing, the well gauged 1236 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 27.94% 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

A handwritten signature in black ink, reading "Marcia Brueggenjohann", is written over a horizontal line.

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

PropID: 12175 RSV CAT: 1PDP
 Well Name: ROSA UNIT #380
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 Operator: WPC

Date: 03/22/2011
 Time: 08:02:04
 DBS: SJB
 Settings: SETDATA_JCM
 Scenario: SJB-OP-PostAudit

COMBINED INPUT DATA					INITIAL CALCULATED DATA				
KEYWORD & Ref. Code	Beginning, Ending Rates	Schedule Limit	Method & Value	Ultimate @ End Pt.	Init.Deff	Init. Rate	Final Rate		

400 START	04/2009						
401 GAS	485.00 630.00 M/D	02/2010 AD	EXP X	168.613	1/2010	-36.8732	14752. 19163.
402 "	X X M/D	16.00 EXP	B/1.4	55.00	8/2013	55.0000	19163. 4199.
403 "	X X M/D	30.00 YRS	EXP	16.00	3/2039	16.0000	4199. 49.

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 4.277 #/M				12/2009		
509 "	01/2010 5.72 5.31 4.66 3.77 #/M				4/2010		
510 "	X 3.87 3.69 4.28 4.08 #/M				8/2010		
511 "	X 3.47 4.126 5.75 5.75 #/M				12/2010		
512 "	5.75 X \$/M	TO LIFE	PC	0.00	3/2039		5.750 5.750

600 ATX	4.69 X %	TO LIFE	PC	0.00	3/2039		0.047 0.047
601 STX/GAS	3.75 X %	TO LIFE	PC	0.00	3/2039		0.037 0.037
602 OPC/T	2100.00 X \$/M	TO LIFE	PC	0.00	3/2039		2100.000 2100.000
701 LSE/WI	100.0000 100.0000 %	TO LIFE	FLAT	0.00	3/2039		1.000 1.000

OVERLAYS	Beginning, Ending Rates	Schedule Limit	Method & Value	Ultimate @ End Pt.	Init.Deff	Init. Rate	Final Rate
901 S 92	S/95 X FRAC	TO LIFE	DIV 146.00	3/2039			
903 S /89	0.51 X FRAC	TO LIFE	MUL 92.00	3/2039			
905 S /89	0.94 X FRAC	TO LIFE	MUL 89.00	3/2039			
907 S /196	S/196 X FRAC	TO LIFE	MINUS 89.00	3/2039			
909 S /88	0.05 X FRAC	TO LIFE	MUL 92.00	3/2039			
911 S /88	1.00 X FRAC	TO LIFE	MINUS 88.00	3/2039			
913 S /196	S/196 X FRAC	TO LIFE	MUL 88.00	3/2039			

914 GAS	08/2008 0 0 0 0 0 0 0 0 8254 14560 16612 15005 #	54.431	8/2009
915 "	X 16504 17387.99 18594 20029 19535 17617 17870 15997 #	197.965	4/2010
916 "	X 15676 10573 14721 12538 11299 10649 9438 9225 8850 #	300.934	1/2011

INVESTMENTS	Tangible Intang Units	Invest. Point	Method & Value	Total T&I	Month	Risk Inv.	Tot. T&I&R	Esc. T&I&R
800 CAPITAL	230.00 1113.44 MSG	-1.00 MOS	ESC INV	1343.441	3/2009	0	1343.4	0.0

MISCELLANEOUS DATA PARAMETERS

201 BTU	0.94		
202 WELLS	0.00	1.00	
203 CUMO, MB	0.00	CUMG, MMF	0.00 CUML, MB
250 LOSS	NO		

PROJECT RUN SETTINGS

Base Date	: 09/2007	Time Frames	: 4*1.99*12.8
P.W. Date	: 09/2007	Primary PW%	: 8.0 Discount Freq. : MID
Report Date	: 09/2007		
Qualifiers	: Prod = SJ_OP_POST	Price = SJ_OP_POST	Cost = SJ_OP_POST Owner = BASE
	Title = BASE	Misc = BASE	Invest = SJ_OP_POST Overlay = SJ_OP_POST

BACKUP PARAMETERS USED

NET/GAS	NET/OIL
---------	---------

PropID: 12175 RSV CAT: 1PDP
 Well Name: ROSA UNIT #380
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/22/2011
 TIME : 08:02:04
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

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

EFFECTIVE DATE: 09/2007

--END-- MO-YEAR	---GROSS PRODUCTION---				---NET PRODUCTION---				-----PRICES-----		NO. OF WELLS	-----OPERATIONS, M\$-----		
	OIL, MBBL	GAS, MMCF	MMCF		OIL, MBBL	GAS, MMCF	MMCF		OIL \$/B	GAS \$/M		OIL REVENUE	GAS REVENUE	TOTAL REVENUE
09-2007	0.000	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	0.000		0.00	0.000	0.0	0.000	0.000	0.000
11-2007	0.000	0.000	0.000		0.000	0.000	0.000		0.00	0.000	0.0	0.000	0.000	0.000
12-2007	0.000	0.000	0.000		0.000	0.000	0.000		0.00	0.000	0.0	0.000	0.000	0.000
12-2008	0.000	0.000	0.000		0.000	0.000	0.000		0.00	0.000	0.0	0.000	0.000	0.000
12-2009	0.000	126.946	0.000		0.000	126.946	0.000		0.00	3.102	1.0	0.000	393.845	393.845
12-2010	0.000	165.138	0.000		0.000	165.138	0.000		0.00	4.264	1.0	0.000	704.212	704.212
12-2011	0.000	88.044	0.000		0.000	88.044	0.000		0.00	5.376	1.0	0.000	473.348	473.348
12-2012	0.000	64.534	0.000		0.000	64.534	0.000		0.00	5.376	1.0	0.000	346.951	346.951
12-2013	0.000	52.081	0.000		0.000	52.081	0.000		0.00	5.376	1.0	0.000	280.000	280.000
12-2014	0.000	43.628	0.000		0.000	43.628	0.000		0.00	5.376	1.0	0.000	234.555	234.555
12-2015	0.000	36.648	0.000		0.000	36.648	0.000		0.00	5.376	1.0	0.000	197.026	197.026
12-2016	0.000	30.784	0.000		0.000	30.784	0.000		0.00	5.376	1.0	0.000	165.502	165.502
12-2017	0.000	25.859	0.000		0.000	25.859	0.000		0.00	5.376	1.0	0.000	139.022	139.022
12-2018	0.000	21.721	0.000		0.000	21.721	0.000		0.00	5.376	1.0	0.000	116.778	116.778
12-2019	0.000	18.246	0.000		0.000	18.246	0.000		0.00	5.376	1.0	0.000	98.094	98.094
12-2020	0.000	15.326	0.000		0.000	15.326	0.000		0.00	5.376	1.0	0.000	82.399	82.399
12-2021	0.000	12.874	0.000		0.000	12.874	0.000		0.00	5.376	1.0	0.000	69.215	69.215
12-2022	0.000	10.814	0.000		0.000	10.814	0.000		0.00	5.376	1.0	0.000	58.141	58.141
12-2023	0.000	9.084	0.000		0.000	9.084	0.000		0.00	5.376	1.0	0.000	48.838	48.838
S TOT	0.000	721.727	0.000		0.000	721.727	0.000		0.00	4.722	1.0	0.000	3407.926	3407.926
AFTER	0.000	18.591	0.000		0.000	18.591	0.000		0.00	5.376	1.0	0.000	99.950	99.950
TOTAL	0.000	740.318	0.000		0.000	740.318	0.000		0.00	4.738	1.0	0.000	3507.875	3507.875

--END-- MO-YEAR	-----OPERATIONS, M\$-----					-----CAPITAL COSTS, M\$-----				8.0%	
	SEV + ADV TAXES	NET OPER EXPENSES	INTEREST+ PRINCIPAL	OPERATION CASH FLOW	TANGIBLE INV.	INTANG. INV.	TOTAL BORROW INV	TOTAL EQUITY INV	CASH BTAX, M\$	FLOW M\$	CUM. DISC BTAX, M\$
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
12-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-2009	32.560	18.900	0.000	342.384	230.000	1113.441	0.000	1343.441	-1001.057	-899.640	-899.640
12-2010	58.219	25.200	0.000	620.793	0.000	0.000	0.000	0.000	620.793	-400.473	-400.473
12-2011	39.133	25.200	0.000	409.014	0.000	0.000	0.000	0.000	409.014	-95.954	-95.954
12-2012	28.684	25.200	0.000	293.068	0.000	0.000	0.000	0.000	293.068	106.078	106.078
12-2013	23.148	25.200	0.000	231.651	0.000	0.000	0.000	0.000	231.651	253.942	253.942
12-2014	19.391	25.200	0.000	189.964	0.000	0.000	0.000	0.000	189.964	366.215	366.215
12-2015	16.289	25.200	0.000	155.538	0.000	0.000	0.000	0.000	155.538	451.332	451.332
12-2016	13.683	25.200	0.000	126.620	0.000	0.000	0.000	0.000	126.620	515.491	515.491
12-2017	11.493	25.200	0.000	102.328	0.000	0.000	0.000	0.000	102.328	563.501	563.501
12-2018	9.654	25.200	0.000	81.924	0.000	0.000	0.000	0.000	81.924	599.090	599.090
12-2019	8.110	25.200	0.000	64.784	0.000	0.000	0.000	0.000	64.784	625.149	625.149
12-2020	6.812	25.200	0.000	50.387	0.000	0.000	0.000	0.000	50.387	643.915	643.915
12-2021	5.722	25.200	0.000	38.293	0.000	0.000	0.000	0.000	38.293	657.120	657.120
12-2022	4.807	25.200	0.000	28.134	0.000	0.000	0.000	0.000	28.134	666.104	666.104
12-2023	4.038	25.200	0.000	19.600	0.000	0.000	0.000	0.000	19.600	671.899	671.899
S TOT	281.743	371.700	0.000	2754.482	230.000	1113.441	0.000	1343.441	1411.041	671.899	671.899
AFTER	8.263	71.400	0.000	20.287	0.000	0.000	0.000	0.000	20.287	677.269	677.269
TOTAL	290.007	443.100	0.000	2774.769	230.000	1113.441	0.000	1343.441	1431.328	677.269	677.269

PropID: 12175 RSV CAT: 1PDP
 Well Name: ROSA UNIT #380
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/22/2011
 TIME : 08:02:04
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

AFTER TAX ECONOMICS

EFFECTIVE DATE: 09/2007

--END--	TAXABLE	DEPRECIA-	DEPLETION	INTANG.	INTEREST	TAXABLE	TAX	TAXES	CASH FLOW	8.0%
MO-YEAR	CASH FLOW	TION		EXPENSED	PAID & CAP	INCOME	CREDIT	PAYABLE	ATAx	CUM. DISC
-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----
09-2007	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
11-2007	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
12-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-2009	342.384	51.643	0.000	1113.441	0.000	-822.699	0.000	-287.945	-713.112	-649.587
12-2010	620.793	50.960	0.000	0.000	0.000	569.833	0.000	199.441	421.352	-310.787
12-2011	409.014	36.394	0.000	0.000	0.000	372.621	0.000	130.417	278.597	-103.366
12-2012	293.068	25.998	0.000	0.000	0.000	267.070	0.000	93.475	199.593	34.228
12-2013	231.651	20.531	0.000	0.000	0.000	211.120	0.000	73.892	157.759	134.926
12-2014	189.964	20.524	0.000	0.000	0.000	169.440	0.000	59.304	130.660	212.149
12-2015	155.538	20.531	0.000	0.000	0.000	135.006	0.000	47.252	108.285	271.407
12-2016	126.620	3.419	0.000	0.000	0.000	123.200	0.000	43.120	83.499	313.717
12-2017	102.328	0.000	0.000	0.000	0.000	102.328	0.000	35.815	66.513	344.924
12-2018	81.924	0.000	0.000	0.000	0.000	81.924	0.000	28.673	53.251	368.057
12-2019	64.784	0.000	0.000	0.000	0.000	64.784	0.000	22.674	42.110	384.995
12-2020	50.387	0.000	0.000	0.000	0.000	50.387	0.000	17.635	32.751	397.193
12-2021	38.293	0.000	0.000	0.000	0.000	38.293	0.000	13.402	24.890	405.776
12-2022	28.134	0.000	0.000	0.000	0.000	28.134	0.000	9.847	18.287	411.616
12-2023	19.600	0.000	0.000	0.000	0.000	19.600	0.000	6.860	12.740	415.382
S TOT	2754.482	230.000	0.000	1113.441	0.000	1411.041	0.000	493.864	917.177	415.382
AFTER	20.287	0.000	0.000	0.000	0.000	20.287	0.000	7.100	13.186	418.873
TOTAL	2774.769	230.000	0.000	1113.441	0.000	1431.328	0.000	500.965	930.363	418.873

BTAX RATE OF RETURN (PCT)	27.94	ATAx RATE OF RETURN (PCT)	24.30
BTAX PAYOUT YEARS	4.26	ATAx PAY OUT YEARS	4.40
BTAX PAYOUT YEARS (DISC)	4.81	ATAx PAY OUT YEARS (DISC)	5.08
BTAX NET INCOME/INVEST	2.07	ATAx NET INCOME/INVEST	1.69
BTAX NET INCOME/INVEST(DISC)	1.57	ATAx NET INCOME/INVEST(DISC)	1.35

PRODUCTION START DATE	04/2009	PROJECT LIFE (YEARS)	19.17
		DISCOUNT - RATE (PCT)	8.00
INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	2.335
MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	5.376
GROSS OIL WELLS	0.	GROSS GAS WELLS	1.

CUMULATIVE OIL (MBBL)	0.000	CUMULATIVE GAS (MMCF)	0.000
REMAINING OIL (MBBL)	0.000	REMAINING GAS (MMCF)	740.318
ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	740.318

INITIAL WI (PCT)	100.000	FINAL WI (PCT)	100.000
INITIAL NET OIL (PCT)	0.000	FINAL NET OIL (PCT)	0.000
INITIAL NET GAS (PCT)	100.000	FINAL NET GAS (PCT)	100.000

PRESENT WORTH PROFILE AND			
---- RATE-OF-RETURN VS. BONUS TABLE ----			
P.W.	B.F.I.T.	A.F.I.T.	A.F.I.T.
FACTOR	WORTH	WORTH	BONUS
%-----	M\$-----	M\$-----	M\$-----
0.00	1431.3	930.4	1431.3
2.00	1189.7	766.9	1117.1
5.00	900.5	570.7	781.5
8.00	677.3	418.9	547.8
10.00	556.2	336.3	429.2
12.00	452.7	265.7	332.1
15.00	324.2	177.8	216.5
18.00	220.8	107.1	127.6
20.00	163.1	67.5	79.5
25.00	48.7	-11.0	-12.7
30.00	-34.0	-67.8	-76.4
35.00	-94.5	-109.2	-121.3
40.00	-139.0	-139.7	-153.3
45.00	-172.0	-162.1	-176.1
50.00	-196.3	-178.5	-192.3

ROSA UNIT #380 | 1PDP | FRUITLAND COAL | J7PKD4KTMO | 62048814
Filtered by Scenario: SJB-OP-PostAudit

Titles

PROPID: @M.PROPID RSV CAT: @M.RESERVE_CATEGORY	BASE
WELL NAME: @M.WELL_NAME	BASE
FIELD: @M.FIELD	BASE
CNTY: @M.BHL_COUNTY ST: @M.STATE	BASE
RESERVOIR: @M.RESERVOIR	BASE
OPERATOR: @M.OPERATOR	BASE

Miscellaneous

BTU @M.BTU	BASE
WELLS 0 1	BASE

LOSS NO

Production

CUMS 0 0	SJ_OP_POST
START 04/2009	SJ_OP_POST
GAS 485 630 M/D 02/2010 AD EXP X	SJ_OP_POST
" X X M/D 16 EXP B/1.4 55	SJ_OP_POST
" X X M/D 30 YRS EXP 16	SJ_OP_POST

Prices

SIDFILE SJB_JCM_07ACT_COMMERCIAL	SJ_OP_POST
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Expenses

ATX 4.6933 X % TO LIFE PC 0	SJ_OP_POST
STX/GAS 3.75 X % TO LIFE PC 0	SJ_OP_POST
OPC/T 2100 X \$/M TO LIFE PC 0	SJ_OP_POST

Ownership

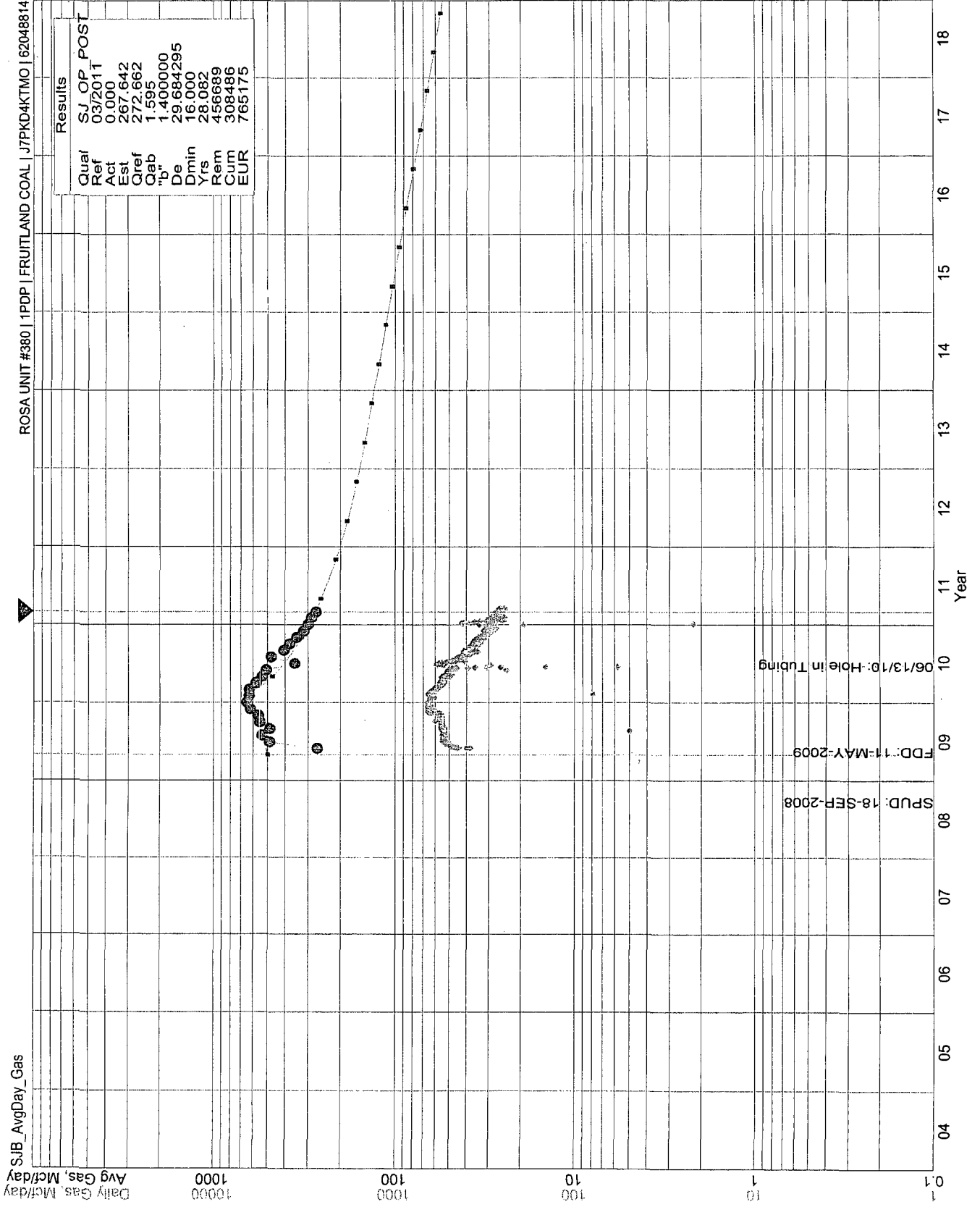
NET 1 .875 .875 FRAC	SJ_OP_POST
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Investments

CAPITAL 230 1113.441 M\$G -1 MOS ESC INV	SJ_OP_POST
--	------------

Overlays

SIDFILE RI_TOTAL_BR	SJ_OP_POST
LOAD MP.GAS GAS 08/2008 02/2011 #	SJ_OP_POST



ROSA UNIT #380
BASIN FRUITLAND COAL

Location:

2600' FSL and 750' FWL
NEW4 SW/4 Sec 20 (L), T31N, R4W
Rio Arriba, New Mexico
Elevation: 6705' GR

API # 30-039-27491

Spud 09/18/08

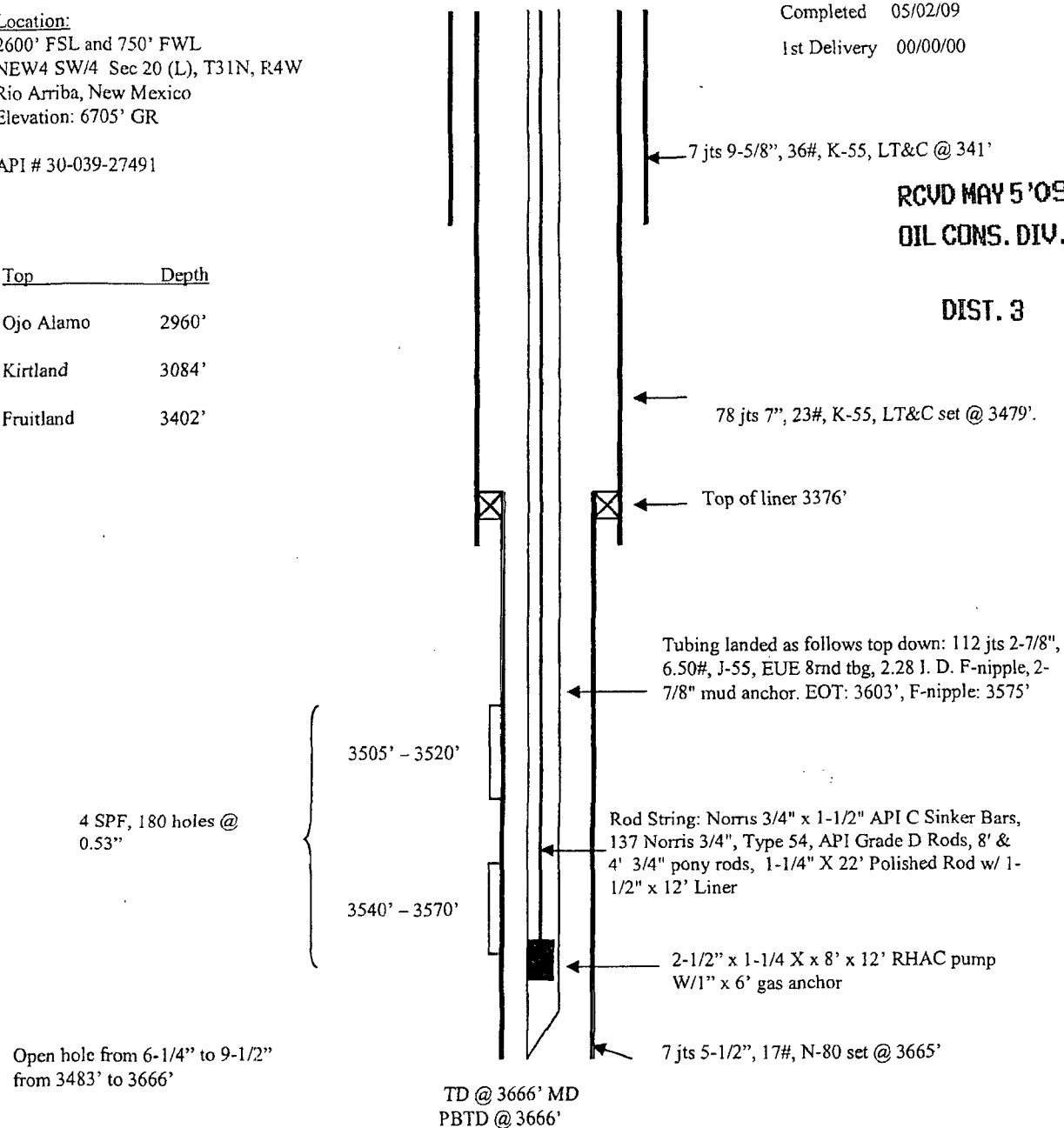
Completed 05/02/09

1st Delivery 00/00/00

Top	Depth
Ojo Alamo	2960'
Kirtland	3084'
Fruitland	3402'

**RCVD MAY 5 '09
OIL CONS. DIV.**

DIST. 3



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	150 sx	212 cu. ft.	Surface
8-3/4"	7", 23#	410 sx	795 cu. ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

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 Feb. 26, 2007

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, LLC. P.O. Box 640 Aztec, NM 87410		² OGRID Number 120782
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 039-27491	⁵ Pool Name Basin Fruitland Coal	⁶ Pool Code 71629
⁷ Property Code 17033	⁸ Property Name Rosa Unit	⁹ Well Number 380

II. ¹⁰ Surface Location

UI or lot no. L	Section 20	Township 31N	Range 4W	Lot Idn	Feet from the 2600	South Line	Feet from the 750	West line	County Rio Arriba
--------------------	---------------	-----------------	-------------	---------	-----------------------	------------	----------------------	-----------	----------------------

¹¹ Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the line	Feet from the 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 MAY 11 '09
		OIL CONS. DIV.

IV. Well Completion Data

DIST. 3

²¹ Spud Date 9-18-08	²² Ready Date 5-2-09	²³ TD 3666'	²⁴ PBDT 3666'	²⁵ Perforations 3505' - 3570'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	9-5/8", 36#, K-55	341'	150 sx - surface		
8-3/4"	7", 23#, K-55	3479'	410 sx - surface		
6-1/4"	5-1/2", 17#, N-80	3376' - 3665'	No Cement		
	2-7/8", 6.5#, J-55	3603'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date n/a	³³ Test Date 4-27-08	³⁴ Test Length 1 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 64 oz.
³⁷ Choke Size 2"	³⁸ Oil	³⁹ Water	⁴⁰ Gas 1236 mcf /day		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>Larry Higgins</i>		5/11/09 OIL CONSERVATION DIVISION Approved by: <i>Charles R. Higgins</i> 5-12-09
Printed name: Larry Higgins		Title: SUPERVISOR DISTRICT # 3
Title: Drilling COM		Approval Date: MAY 12 2009
E-mail Address: larry.higgins@williams.com		
Date: 5-11-09	Phone: (505)634-4208	

88

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-078889

6 IF INDIAN, ALLOTTEE OR

7 UNIT AGREEMENT NAME

Rosa Unit

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #380

9 API WELL NO
30-039-27491

10 FIELD AND POOL, OR WILDCAT
Basin Fruitland Coal

11 SEC, T, R, M, OR BLOCK AND
SURVEY OR AREA
SEC 20-31N-4W

12 COUNTY OR
Rio Arriba

13 STATE
New Mexico

19 ELEVATION CASINGHEAD

ROTARY TOOLS
x

CABLE TOOLS

25 WAS DIRECTIONAL SURVEY MADE
NO

27 WAS WELL CORED
NO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a TYPE OF WELL F OIL WELL ☒ GAS WELL DRY OTHER

b TYPE OF COMPLETION

☒ NEW WELL WORKOVER DEEPEN PLUG BACK DIFF RESVR OTHER MAY 04 2009

2 NAME OF OPERATOR

WILLIAMS PRODUCTION COMPANY

Bureau of Land Management
Farmington Field Office

3 ADDRESS AND TELEPHONE NO

P.O. Box 640, Aztec, NM 87410 (505) 634-4208

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

At Surface: 2600' FSL & 750' FWL, Sec 20 (B), T31N, R4LW
At top production interval reported below Same
At total depth: Same

15 DATE
SPUDED
9-18-08

16 DATE T.D.
REACHED
4-6-09

17 DATE COMPLETED (READY TO PRODUCE)
5-2-09

14 PERMIT NO

DATE ISSUED

18 ELEVATIONS (DK, RKB, RT, GR, ETC)*
6705' GR

20 TOTAL DEPTH, MD & TVD
3666' MD

21 PLUG, BACK T.D. MD & TVD
3666' MD

22 IF MULTICOMP,
HOW MANY

23 INTERVALS
DRILLED BY

ROTARY TOOLS
x

CABLE TOOLS

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
Basin Fruitland Coal: 3505' - 3570'

26 TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray, Density-Neutron, Compensated Dual Neutron

28 CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8", K-55	36.0#	341'	12-1/4"	150 SX - SURFACE	
7", K-55	23#	3479'	8-3/4"	410 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	3376'	3665'	None		2-7/8", 6.5#, J-55	3603'	

31 PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal - 4 SPF, 180 holes @ 0.53", 3505' - 3570'

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL
(MD)

AMOUNT AND KIND OF MATERIAL USED

Well was not fraced or acidized RCD MAY 8 '09

OIL CONS. DIV.

DIST. 3

33 PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
		Flowing				SI - waiting on tie in	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
4-27-09	1 hr	2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0 oz	64 oz				1236 MCF/D		

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

TEST WITNESSED BY: Weldon Huggins

35 LIST OF ATTACHMENTS SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

APPROVED FOR RECORD

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

SIGNED

Caray Higgins

TITLE Drig COM

DATE 5-4-09

MAY 06 2009

FARMINGTON FIELD OFFICE

NMOCD 88

37 SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, core intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries)

38 GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC	NAME	TOP		
					NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
					OJO ALAMO	2960'	
					KIRTLAND	3084'	
					FRUITLAND	3402'	

March 22, 2011

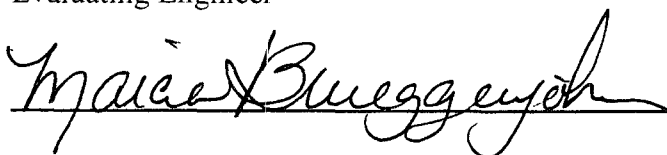
The Rosa Unit #311A Fruitland Well (non-commercial) is located 710 feet from the North Line and 820 feet from the East Line, Section 33 Township 31 North, Range 04 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on October 17, 2008, and completed in the Fruitland formation on October 31, 2008. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3803' to 4061'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 0 psig. On October 30, 2008 the well was tested and after flowing for 5 hours through a 2" choke on the 2 7/8 tubing, the well gauged 0 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 0.00% 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

PropID: 6318 RSV CAT: 1PDP
 Well Name: ROSA UNIT #311A
 Field: BASIN
 Cnty: RIO ARRIIBA St: NM
 Reservoir: FRUITLAND COAL
 Operator: WPC

Date: 03/21/2011
 Time: 17:38:52
 DBS: SJB
 Settings: SETDATA_JCM
 Scenario: SJB-OP-PostAudit

KEYWORD & Ref. Code	COMBINED INPUT DATA				INITIAL CALCULATED DATA				
	Beginning	Ending Rates	Schedule Limit	Method & Value	Ultimate @ End Pt.	Init.Deff	Init. Rate	Final Rate	
400 START	12/2008								
401 GAS	7.00	50.00 M/D	12/2010 AD	EXP X	15.966	11/2010	-167.2612	213.	1521.
402 "	X	X M/D	09/2014 AD	EXP 6.00	77.043	8/2014	6.0000	1521.	1206.
403 "	X	10.00 M/D	X YRS	EXP 16.00	139.166	7/2022	16.0000	1206.	303.

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 4.277 #/M				12/2009			
509 "	01/2010	5.72 5.31 4.66 3.77 #/M				4/2010			
510 "	X	3.87 3.69 4.28 4.08 #/M				8/2010			
511 "	X	3.47 4.126 5.75 5.75 #/M				12/2010			
512 "		5.75 X \$/M	TO LIFE	PC 0.00		7/2022		5.750	5.750

600 ATX	4.69	X %	TO LIFE	PC 0.00		7/2022		0.047	0.047
601 STX/GAS	3.75	X %	TO LIFE	PC 0.00		7/2022		0.037	0.037
602 OPC/T	1000.00	X \$/M	TO LIFE	PC 0.00		7/2022		1000.000	1000.000
705 LSE/WI	1.0000	D FRAC	TO LIFE	FLAT 0.00		7/2022		1.000	1.000
720 NET/OIL	0.7200	D FRAC	TO LIFE	FLAT 0.00		7/2022		0.720	0.720
740 NET/GAS	0.7200	D FRAC	TO LIFE	FLAT 0.00		7/2022		0.720	0.720

OVERLAYS	Beginning	Ending Rates	Schedule Limit	Method & Value	Ultimate @ End Pt.	Init.Deff	Init. Rate	Final Rate	
901 S 92	S/95	X FRAC	TO LIFE	DIV 146.00		7/2022			
903 S /89	0.51	X FRAC	TO LIFE	MUL 92.00		7/2022			
905 S /89	1.00	X FRAC	TO LIFE	MUL 89.00		7/2022			
907 S /196	S/196	X FRAC	TO LIFE	MINUS 89.00		7/2022			
909 S /88	0.05	X FRAC	TO LIFE	MUL 92.00		7/2022			
911 S /88	1.00	X FRAC	TO LIFE	MINUS 88.00		7/2022			
913 S /196	S/196	X FRAC	TO LIFE	MUL 88.00		7/2022			

914 GAS	01/2007	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 #			0.000	4/2008			
915 "	X	0 0 0 0 0 0 0 2043.03 212 192 0.22 2880.75 276.99 #			5.605	5/2009			
916 "	X	857.28 633.33 456.34 715.11 815.46 816.69 894.19 #			10.793	12/2009			
917 "	X	667.82 855.71 881.78 876.25 882.81 864.55 1094.17 #			16.916	7/2010			
918 "	X	1150.6 940.42 1106.62 1410.33 1427.53 1178.61 #			24.131	1/2011			

INVESTMENTS	Tangible	Intang Units	Invest. Point	Method & Value	Total T&I	Month	Risk Inv.	Tot. T&I&R	Esc. T&I&R
800 CAPITAL	327.00	1307.00 M\$G	11/2008 AD	ESC INV	1634.000	11/2008	0	1634.0	0.0

MISCELLANEOUS DATA PARAMETERS

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

PROJECT RUN SETTINGS

Base Date	: 09/2007	Time Frames	: 4*1.99*12.8						
P.W. Date	: 09/2007	Primary PW%	: 8.0	Discount Freq.	: MID				
Report Date	: 09/2007								
Qualifiers	: Prod = SJ_OP_POST	Price = SJ_OP_POST	Cost = SJ_OP_POST	Owner = BASE					
	Title = BASE	Misc = BASE	Invest = SJ_OP_POST	Overlay = SJ_OP_POST					

PropID: 6318 RSV CAT: 1PDP
 Well Name: ROSA UNIT #311A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/21/2011
 TIME : 17:38:52
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

RESERVES AND ECONOMICS

EFFECTIVE DATE: 09/2007

--END-- MO-YEAR	---GROSS PRODUCTION---				---NET PRODUCTION---				-----PRICES-----		NO. OF WELLS	-----OPERATIONS, M\$-----		
	OIL, MBBL	GAS, MMCF			OIL, MBBL	GAS, MMCF			OIL \$/B	GAS \$/M		OIL REVENUE	GAS REVENUE	TOTAL REVENUE
09-2007	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			0.00	0.000	0.0	0.000	0.000	0.000
11-2007	0.000	0.000			0.000	0.000			0.00	0.000	0.0	0.000	0.000	0.000
12-2007	0.000	0.000			0.000	0.000			0.00	0.000	0.0	0.000	0.000	0.000
12-2008	0.000	2.043			0.000	1.471			0.00	3.652	1.0	0.000	5.372	5.372
12-2009	0.000	8.750			0.000	6.300			0.00	2.250	1.0	0.000	14.178	14.178
12-2010	0.000	12.159			0.000	8.754			0.00	3.625	1.0	0.000	31.736	31.736
12-2011	0.000	17.275			0.000	12.438			0.00	4.697	1.0	0.000	58.424	58.424
12-2012	0.000	16.549			0.000	11.916			0.00	4.697	1.0	0.000	55.969	55.969
12-2013	0.000	15.557			0.000	11.201			0.00	4.697	1.0	0.000	52.611	52.611
12-2014	0.000	14.535			0.000	10.465			0.00	4.697	1.0	0.000	49.156	49.156
12-2015	0.000	12.530			0.000	9.021			0.00	4.697	1.0	0.000	42.375	42.375
12-2016	0.000	10.525			0.000	7.578			0.00	4.697	1.0	0.000	35.595	35.595
12-2017	0.000	8.841			0.000	6.366			0.00	4.697	1.0	0.000	29.899	29.899
12-2018	0.000	7.426			0.000	5.347			0.00	4.697	1.0	0.000	25.116	25.116
12-2019	0.000	6.238			0.000	4.491			0.00	4.697	1.0	0.000	21.097	21.097
12-2020	0.000	5.240			0.000	3.773			0.00	4.697	1.0	0.000	17.722	17.722
12-2021	0.000	4.402			0.000	3.169			0.00	4.697	1.0	0.000	14.886	14.886
12-2022	0.000	0.986			0.000	0.710			0.00	4.697	1.0	0.000	3.333	3.333
12-2023														
S TOT	0.000	143.056			0.000	103.000			0.00	4.441	1.0	0.000	457.469	457.469
AFTER	0.000	0.000			0.000	0.000			0.00	0.000	1.0	0.000	0.000	0.000
TOTAL	0.000	143.056			0.000	103.000			0.00	4.441	1.0	0.000	457.469	457.469

--END-- MO-YEAR	--OPERATIONS, M\$--				--CAPITAL COSTS, M\$--					8.0%	
	SEV + ADV TAXES	NET OPER EXPENSES	INTEREST+ PRINCIPAL	OPERATION CASH FLOW	TANGIBLE INV.	INTANG. INV.	TOTAL BORROW INV	TOTAL EQUITY INV	CASH BTAX, M\$	FLOW M\$	CUM. DISC BTAX, M\$
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
12-2008	0.444	1.000	0.000	3.928	327.000	1307.000	0.000	1634.000	-1630.072	1.006	-1489.996
12-2009	1.172	12.000	0.000	1.006	0.000	0.000	0.000	0.000	0.000	1.006	-1489.123
12-2010	2.624	12.000	0.000	17.113	0.000	0.000	0.000	0.000	0.000	17.113	-1475.363
12-2011	4.830	12.000	0.000	41.594	0.000	0.000	0.000	0.000	0.000	41.594	-1444.396
12-2012	4.627	12.000	0.000	39.342	0.000	0.000	0.000	0.000	0.000	39.342	-1417.275
12-2013	4.350	12.000	0.000	36.261	0.000	0.000	0.000	0.000	0.000	36.261	-1394.129
12-2014	4.064	12.000	0.000	33.092	0.000	0.000	0.000	0.000	0.000	33.092	-1374.570
12-2015	3.503	12.000	0.000	26.871	0.000	0.000	0.000	0.000	0.000	26.871	-1359.865
12-2016	2.943	12.000	0.000	20.652	0.000	0.000	0.000	0.000	0.000	20.652	-1349.401
12-2017	2.472	12.000	0.000	15.428	0.000	0.000	0.000	0.000	0.000	15.428	-1342.162
12-2018	2.076	12.000	0.000	11.039	0.000	0.000	0.000	0.000	0.000	11.039	-1337.367
12-2019	1.744	12.000	0.000	7.353	0.000	0.000	0.000	0.000	0.000	7.353	-1334.409
12-2020	1.465	12.000	0.000	4.256	0.000	0.000	0.000	0.000	0.000	4.256	-1332.824
12-2021	1.231	12.000	0.000	1.655	0.000	0.000	0.000	0.000	0.000	1.655	-1332.253
12-2022	0.276	3.000	0.000	0.058	0.000	0.000	0.000	0.000	0.000	0.058	-1332.234
12-2023											
S TOT	37.820	160.000	0.000	259.648	327.000	1307.000	0.000	1634.000	-1374.352		-1332.234
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		-1332.234
TOTAL	37.820	160.000	0.000	259.648	327.000	1307.000	0.000	1634.000	-1374.352		-1332.234

```
DATE      : 03/21/2011
TIME      : 17:38:52
DES       : SJB
SETTINGS  : SETDATA_JCM
SCENARIO  : SJB-OP-
```

EFFECTIVE DATE: 09/2007

-END-- MO-YEAR	TAXABLE CASH FLOW	DEPRECIA- TION	DEPLETION	INTANG. EXPENSED	INTEREST PAID & CAP	TAXABLE INCOME	TAX CREDIT	TAXES PAYABLE	CASH FLOW ATAK	8.0% CUM. DISC ATAX
----- M\$-----	----- M\$-----	----- M\$-----	----- M\$-----	----- M\$-----	----- M\$-----	----- M\$-----	----- M\$-----	----- M\$-----	----- M\$-----	----- M\$-----
09-2007	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
11-2007	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
12-2008	3.928	5.192	0.000	1307.000	0.000	-1308.264	0.000	-457.892	-1172.180	-1060.548
12-2009	1.006	68.230	0.000	0.000	0.000	-67.224	0.000	-23.529	24.534	-1039.243
12-2010	17.113	72.452	0.000	0.000	0.000	-55.340	0.000	-19.369	36.481	-1009.909
12-2011	41.594	51.742	0.000	0.000	0.000	-10.149	0.000	-3.552	45.146	-976.297
12-2012	39.342	36.962	0.000	0.000	0.000	2.380	0.000	0.833	38.509	-949.750
12-2013	36.261	29.190	0.000	0.000	0.000	7.071	0.000	2.475	33.786	-928.184
12-2014	33.092	29.179	0.000	0.000	0.000	3.913	0.000	1.370	31.723	-909.435
12-2015	26.871	29.190	0.000	0.000	0.000	-2.319	0.000	-0.812	27.683	-894.286
12-2016	20.652	4.861	0.000	0.000	0.000	15.791	0.000	5.527	15.125	-886.622
12-2017	15.428	0.000	0.000	0.000	0.000	15.428	0.000	5.400	10.028	-881.917
12-2018	11.039	0.000	0.000	0.000	0.000	11.039	0.000	3.864	7.175	-878.799
12-2019	7.353	0.000	0.000	0.000	0.000	7.353	0.000	2.574	4.779	-876.877
12-2020	4.256	0.000	0.000	0.000	0.000	4.256	0.000	1.490	2.767	-875.847
12-2021	1.655	0.000	0.000	0.000	0.000	1.655	0.000	0.579	1.076	-875.476
12-2022	0.058	0.000	0.000	0.000	0.000	0.058	0.000	0.020	0.038	-875.463
12-2023										
S TOT	259.648	327.000	0.000	1307.000	0.000	-1374.352	0.000	-481.023	-893.329	-875.463
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-875.463
TOTAL	259.648	327.000	0.000	1307.000	0.000	-1374.352	0.000	-481.023	-893.329	-875.463
BTAX RATE OF RETURN (PCT)		0.00		ATAX RATE OF RETURN (PCT)		0.00		PRESENT WORTH PROFILE AND		
BTAX PAYOUT YEARS		14.58		ATAX PAY OUT YEARS		14.58		---- RATE-OF-RETURN VS. BONUS TABLE ----		
BTAX PAYOUT YEARS (DISC)		14.58		ATAX PAY OUT YEARS (DISC)		14.58		P.W. B.F.I.T. A.F.I.T. A.F.I.T.		
BTAX NET INCOME/INVEST		0.16		ATAX NET INCOME/INVEST		0.45		FACTOR WORTH WORTH BONUS		
BTAX NET INCOME/INVEST(DISC)		0.11		ATAX NET INCOME/INVEST(DISC)		0.41		%----- M\$----- M\$----- M\$-----		
						0.00		-1374.4	-893.3	-1374.4
PRODUCTION START DATE	12/2008			PROJECT LIFE (YEARS)		14.58		2.00	-1367.8	-892.4
				DISCOUNT - RATE (PCT)		8.00		5.00	-1352.3	-886.1
								8.00	-1332.2	-875.5
INITIAL OIL PRICE (\$/B)	0.000			INITIAL GAS PRICE (\$/M)		3.652		10.00	-1317.1	-866.7
MAXIMUM OIL PRICE (\$/B)	0.000			MAXIMUM GAS PRICE (\$/M)		4.697		12.00	-1300.9	-857.0
GROSS OIL WELLS	0.			GROSS GAS WELLS		1.		15.00	-1275.5	-841.1
								18.00	-1249.3	-824.1
CUMULATIVE OIL (MBBL)	0.000			CUMULATIVE GAS (MMF)		0.000		20.00	-1231.5	-812.4
REMAINING OIL (MBBL)	0.000			REMAINING GAS (MMCF)		143.056		25.00	-1187.2	-782.7
ULTIMATE OIL (MBBL)	0.000			ULTIMATE GAS (MMCF)		143.056		30.00	-1143.8	-753.0
								35.00	-1101.8	-724.0
INITIAL WI (PCT)	100.000			FINAL WI (PCT)		100.000		40.00	-1061.7	-695.9
INITIAL NET OIL (PCT)	0.000			FINAL NET OIL (PCT)		0.000		45.00	-1023.6	-669.1
INITIAL NET GAS (PCT)	72.000			FINAL NET GAS (PCT)		72.000		50.00	-987.4	-643.5

ROSA UNIT #311A | 1PDP | FRUITLAND COAL | J7PKB51HCB | 62184882
Filtered by Scenario: SJB-OP-PostAudit

Titles

PROPID: @M.PROPID RSV CAT: @M.RESERVE_CATEGORY	BASE
WELL NAME: @M.WELL_NAME	BASE
FIELD: @M.FIELD	BASE
CNTY: @M.BHL_COUNTY ST: @M.STATE	BASE
RESERVOIR: @M.RESERVOIR	BASE
OPERATOR: @M.OPERATOR	BASE

Miscellaneous

BTU @M.BTU	BASE
WELLS 0 1	BASE

LOSS NO

Production

CUMS 0 0	SJ_OP_POST
START 12/2008	SJ_OP_POST
GAS 7 50 M/D 12/2010 AD EXP X	SJ_OP_POST
" X X M/D 09/2014 AD EXP 6	SJ_OP_POST
" X 10 M/D X YRS EXP 16	SJ_OP_POST

Prices

SIDFILE SJB_JCM_07ACT_COMMERCIAL	SJ_OP_POST
----------------------------------	------------

Expenses

ATX 4.6933 X % TO LIFE PC 0	SJ_OP_POST
STX/GAS 3.75 X % TO LIFE PC 0	SJ_OP_POST
OPC/T 1000 X \$/M TO LIFE PC 0	SJ_OP_POST

Ownership

NET @M.WI @M.NRI @M.NRI FRAC	BASE
------------------------------	------

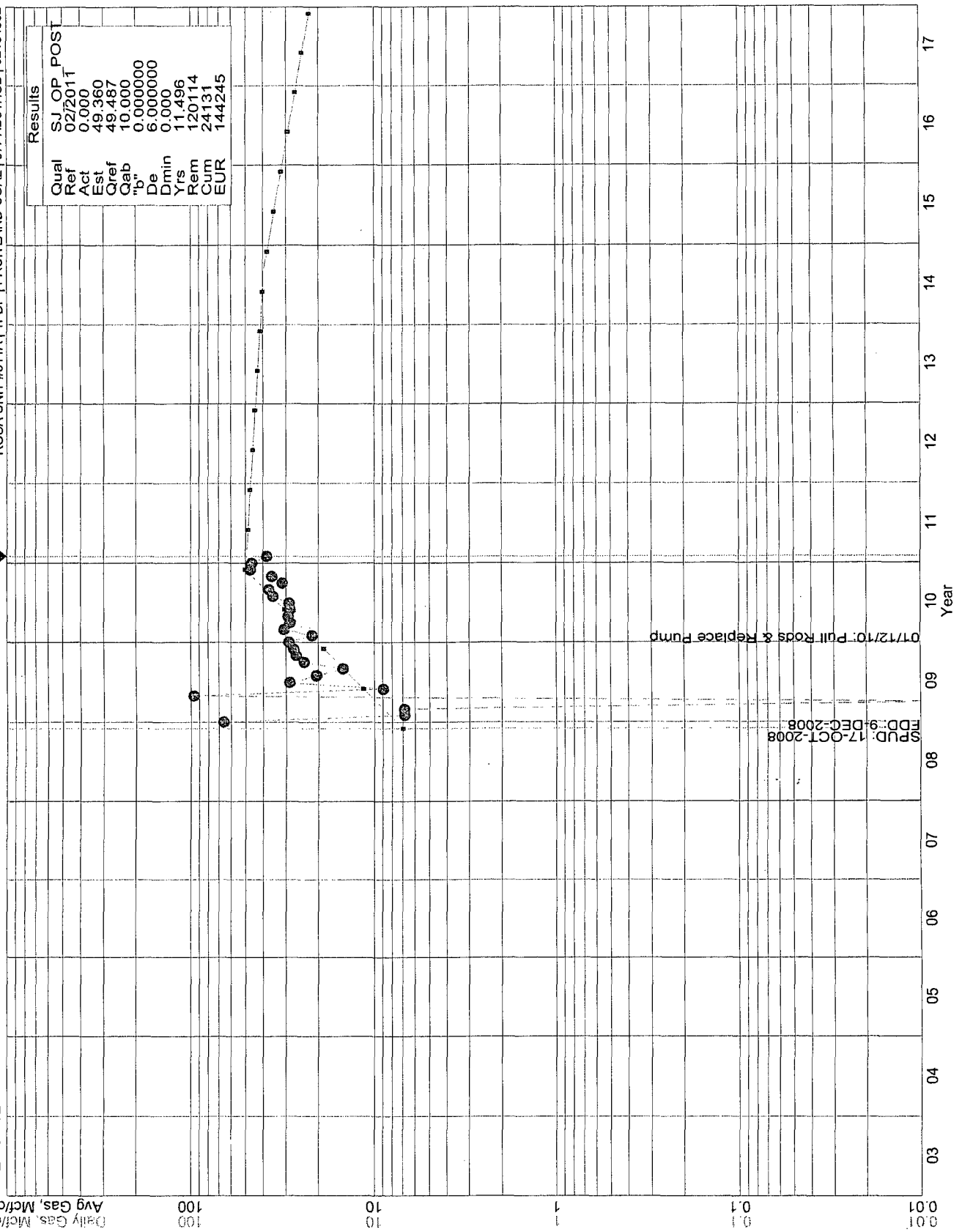
Investments

CAPITAL 327 1307 M\$G 11/2008 AD ESC INV	SJ_OP_POST
--	------------

Overlays

SIDFILE RI_TOTAL_BR	SJ_OP_POST
LOAD MP.GAS GAS 01/2007 02/2011 #	SJ_OP_POST

SJB_AvgDay_Gas



Results	
Qual	SJ OP POST
Ref	02/2011
Act	0.000
Est	49.360
Qref	49.487
Qab	10.000
"b"	0.000000
De	6.000000
Dmin	0.000
Yrs	11.496
Rem	120114
Cum	24131
EUR	144245

**ROSA UNIT #311A
BASIN FRUITLAND COAL**

Surface Location:

710' FNL & 820' FEL
NE/4 NE/4 Sec 33 (A), T31N, R4W
Rio Arriba, NM

Spud: 10/17/08

Completed: 10/31/08

1st Delivered: 12/09/08

Bottom Hole Location:

749' FSL & 839' FEL
SE/4 SE/4 Sec 28 (P), T31N, R4W
Rio Arriba, NM

Elevation: 6739' GR

API # 30-039-30441

Top	MD Depth	TVD Depth
Ojo Alamo	3279'	3016'
Kirtland	3403'	3122'
Fruitland	3666'	3350'

118 jts of 2 7/8", 6.5#, J-55, EUE tbgs as follows: pup jt, 2.28" F-Nipple @ 3757', screen, mud anchor @ 3784' (200' 1/4" stainless steel chem cap string strapped to outside of tbgs).

Rod String: 8 - 1 1/2" sinker bars, 71 - 3/4" guided rods, 70 - plain rods every other rod to surface, 2 - 6', 2 - 4' pony rods, 16' polish rod w/ 10' liner.

Insert Pump: 2 1/2" x 1 1/4" RHAC Pump.

Open hole from 6-1/4" to 9-1/2"
from 3811' - 4061' MD.

7 jts 9-5/8", 36#, K-55, LT&C @ 345'.

84 jts 7", 23#, K-55, LT&C @ 3803'.

No casing at this time -
Open hole completion

TD @ 4061' MD
3701' TVD
PBD @ 4061' MD
3701' TVD

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	150 sxs	207 cu.ft.	Surface
8-3/4"	7", 23#	540 sxs	1089 cu.ft.	Surface
6-1/4"	None			

RML 04/21/10

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 Feb. 26, 2007

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, LLC. P.O. Box 640 Aztec, NM 87410		² OGRID Number 120782
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 039-30441	⁵ Pool Name Basin Fruitland Coal	⁶ Pool Code 71629
⁷ Property Code 17033	⁸ Property Name Rosa Unit	⁹ Well Number 311A

II. ¹⁰ Surface Location

Ul or lot no. A	Section 33	Township 31N	Range 4W	Lot Idn	Feet from the 710	North Line	Feet from the 820	East line	County Rio Arriba
--------------------	---------------	-----------------	-------------	---------	----------------------	------------	----------------------	-----------	----------------------

¹¹ Bottom Hole Location

Ul or lot no. P	Section 28	Township 31N	Range 4W	Lot Idn	Feet from the 749	South line	Feet from the 839	East line	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	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
		RECD NOV 6 '08
		OIL CONS. DIV.

IV. Well Completion Data

DIST. 3

²¹ Spud Date 10-17-08	²² Ready Date 10-31-08	²³ TD 4061' MD	²⁴ PBDT 4061' MD	²⁵ Perforations Open Hole 3803' - 4061'	²⁶ DHC, MC
²⁷ Hole Size 12-1/4"	²⁸ Casing & Tubing Size 9-5/8", 36#, K-55	²⁹ Depth Set 345'	³⁰ Sacks Cement 150 sx - surface		
8-3/4"	7", 23#, K-55	3803'	540 sx - surface		
	2 7/8", 6.5#, J-55	3806'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date 10-30-08	³⁴ Test Length .5 hr	³⁵ Tbg. Pressure 00	³⁶ Csg. Pressure 00 oz
³⁷ Choke Size 2"	³⁸ Oil	³⁹ Water	⁴⁰ Gas 00 mcf p/day		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>Larry Higgins</i>		⁴³ 11/17/08 OIL CONSERVATION DIVISION Approved by: <i>Charles Thomas</i> 11-18-08
Printed name: Larry Higgins		Title: SUPERVISOR DISTRICT # 3
Title: Drilling COM		Approval Date: NOV 18 2008
E-mail Address: Larry.higgins@williams.com		
Date: 11/5/08	Phone: (505)634-4222	<i>Dir. Murray</i>

Provide production
information when available

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN ☒ ORIGINAL ☐ DUPLICATE
FORM APPROVED
OMB NO. 1004-0137
Expires February 28, 1995

(See other instructions on
reverse side) 052008

WELL COMPLETION OR RECOMPLETION REPORT AND LOG* *Field Office*

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					7	UNIT AGREEMENT NAME Rosa Unit <i>Report to lease</i>						
3	ADDRESS AND TELEPHONE NO P O. Box 640, Aztec, NM 87410 (505) 634-4208					8	FARM OR LEASE NAME, WELL NO Rosa Unit #311A						
4	LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface. 710' FNL & 820' FEL, sec 33, T31N, R4W At top production interval reported below : 749 FSL & 839' FEL, sec 28, T31N, R4W ✓ At total depth Same					9	API WELL NO 30-039-30441-0001						
						10	FIELD AND POOL, OR WILDCAT Basin Fruitland Coal						
						11	SEC, T, R, M, OR BLOCK AND SURVEY OR AREA SEC 33-31N-4W						
						14	PERMIT NO	DATE ISSUED	12	COUNTY OR	13	STATE	
									Rio Arriba			New Mexico	
15	DATE SPUDDED 10-17-08	16	DATE T D REACHED 10-29-08	17	DATE COMPLETED (READY TO PRODUCE) 10-31-08	18	ELEVATIONS (DK, RKB, RT, GR, ETC)* 6739' GR	19				ELEVATION CASINGHEAD	
20		TOTAL DEPTH, MD & TVD 4061' MD / 3701' TVD		21		PLUG, BACK T D, MD & TVD 4061' MD / 3701' TVD		22	IF MULTICOMP, HOW MANY	23	INTERVALS DRILLED BY	ROTARY TOOLS x	CABLE TOOLS
24												PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Basin Fruitland Coal Open hole completion 3803' - 4061'	
26												TYPE ELECTRIC AND OTHER LOGS RUN Mud logs only on this well	
25												WAS DIRECTIONAL SURVEY MADE YES	
27												WAS WELL CORED NO	

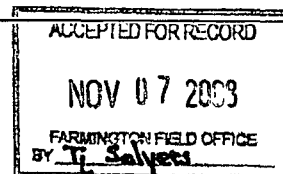
28 CASING REPORT (Report all strings set in well)											
CASING SIZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED						
9-5/8", K-55	36 0#	345'	12-1/4"	150 SX - SURFACE							
7", K-55	23 0#	3803'	8-3/4" ✓	540 SX - SURFACE							
29 LINER RECORD						30 TUBING RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)				
No liner					2-7/8", J-55	3806'					
31 PERFORATION RECORD (Interval, size, and number)						32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC					
<i>Basin Fruitland Coal</i> - This well is an open hole completion Well will be cased and production casing run at a later date						DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED				
							Well was not fraced or acidized				
							RCVD NOV 10 '03				
							OIL CONS OIL				
						DIST. 3					

33 PRODUCTION							
DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Well will be produced with aid of 1-1/2" rod pump	WELL STATUS (PRODUCING OR SI) Shut in - waiting on the in					
DATE OF TEST 10-30-08	TESTED 5 hrs	CHOKE SIZE 2"	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
FLOW TBG PRESS 0 oz	CASING PRESSURE 0 oz	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF 00 p/day	WATER - BBL	OIL GRAVITY-API (CORR)
34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc) TO BE SOLD						TEST WITNESSED BY Weldon Higgins	

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 *Weldon Higgins* TITLE *Drilg COM* DATE *11-5-08*

NMOCD *48*



37 SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, core intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries)

38 GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP		
					NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
					OJO ALAMO	3279'	3016'
					KIRTLAND	3403'	3122'
					FRUITLAND	3666'	3350'

March 22, 2011

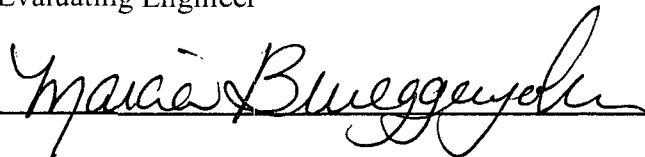
The Rosa Unit #322A Fruitland Well (non-commercial) is located 1945 feet from the North Line and 600 feet from the East Line, Section 23 Township 31 North, Range 05 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on July 06, 2007, and completed in the Fruitland formation on September 19, 2007. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3600' to 3705'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 5 psig. On September 19, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 7/8 tubing, the well gauged 582 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 0.00% 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

A handwritten signature in cursive script, reading "Marcia Brueggjenjohann", is written over a horizontal line.

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

PropID: 4382 RSV CAT: 1PDP
 Well Name: ROSA UNIT #322A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 Operator: WPC

Date: 03/21/2011
 Time: 17:55:26
 DBS: SJB
 Settings: SETDATA_JCM
 Scenario: SJB-OP-PostAudit

COMBINED INPUT DATA							INITIAL CALCULATED DATA					
KEYWORD & Ref. Code	Beginning, Ending Rates			Schedule Limit		Method & Value		Ultimate @ End Pt.	Init.Deff	Init. Rate	Final Rate	
400 START	09/2007											
401 GAS	55.00	X	M/D	30.00 YRS		EXP	16.00	114.524	8/2037	16.0000	1673.	9.
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	4.803	3.083	2.653	2.598	#/M		4/2009				
507 "	X 2.497	2.647	3..046	3.106	#/M		8/2009					
508 "	X 2.476	2.694	3.573	4.645	#/M		12/2009					
509 "	01/2010	4.816	4.866	4.861	4.719	#/M		4/2010				
510 "	X 4.791	4.897	5.125	5.234	#/M		8/2010					
511 "	X 5.267	5.32	5.727	6.142	#/M		12/2010					
512 "	01/2011	6.213	6.211	6.012	5.333	#/M		4/2011				
513 "	X 5.324	5.412	5.879	5.988	#/M		8/2011					
514 "	X 5.874	5.696	5.924	6.299	#/M		12/2011					
515 "	01/2012	6.097	6.247	6.347	6.474	#/Y		12/2015				
516 "	X 6.604	6.736	6.871	7.008	#/Y		12/2019					
517 "	X 7.148	7.291	7.437	7.586	#/Y		12/2023					
518 "	X 7.738	#/Y					12/2024					
519 "	7.74	X	\$/M	TO	LIFE	PC	0.00	8/2037		7.738	7.738	
600 ATX	2.10	X	%	TO	LIFE	PC	0.00	8/2037		0.021	0.021	
601 STX/GAS	3.75	X	%	TO	LIFE	PC	0.00	8/2037		0.037	0.037	
602 OPC/T	3700.00	X	\$/M	TO	LIFE	PC	0.00	8/2037		3700.000	3700.000	
705 LSE/WI	0.2300	D	FRAC	TO	LIFE	FLAT	0.00	8/2037		0.230	0.230	
720 NET/OIL	0.2013	D	FRAC	TO	LIFE	FLAT	0.00	8/2037		0.201	0.201	
740 NET/GAS	0.2013	D	FRAC	TO	LIFE	FLAT	0.00	8/2037		0.201	0.201	
OVERLAYS	Beginning, Ending Rates			Schedule Limit		Method & Value		Ultimate @ End Pt.	Init.Deff	Init. Rate	Final Rate	
901 S 92	S/95	X	FRAC	TO	LIFE	DIV	146.00	8/2037				
903 S /89	0.45	X	FRAC	TO	LIFE	MUL	92.00	8/2037				
905 S /89	0.97	X	FRAC	TO	LIFE	MUL	89.00	8/2037				
907 S /196	S/196	X	FRAC	TO	LIFE	MINUS	89.00	8/2037				
909 S /88	0.06	X	FRAC	TO	LIFE	MUL	92.00	8/2037				
911 S /88	1.00	X	FRAC	TO	LIFE	MINUS	88.00	8/2037				
913 S /196	S/196	X	FRAC	TO	LIFE	MUL	88.00	8/2037				
914 GAS	01/2007	0 0 0 0 0 0 0 0	1614 1436 519 0 0 878	#		4.447		3/2008				
915 "	X 559.99	1667 1032 503 1642 1401 1058 1263 1141 0 0	#		14.714		2/2009					
916 "	X 358 1170 1952.99 906 1554 923 763 712 755 508 543	#		24.859		1/2010						
917 "	X 128 67 0 0 0 0 0 70 18 0 0	#		25.142		12/2010						
INVESTMENTS	Tangible Intang Units			Invest. Point		Method & Value		Total T&I	Month	Risk Inv.	Tot. T&I&R	Esc. T&I&R
800 CAPITAL	213.00	1148.00	MSG	06/2008 AD		ESC INV		1361.000	6/2008	0	1361.0	12249.0

MISCELLANEOUS DATA PARAMETERS

201 BTU 0.97
 202 WELLS 0.00 1.00
 250 LOSS NO

PROJECT RUN SETTINGS

Base Date : 09/2007 Time Frames : 4*1,99*12,8
 P.W. Date : 09/2007 Primary PW% : 8.0 Discount Freq. : MID
 Report Date : 09/2007
 Qualifiers : Prod = SJ_OP_POST Price = SJ_OP_POST Cost = SJ_OP_POST Owner = BASE
 Title = BASE Misc = BASE Invest = SJ_OP_POST Overlay = SJ_OP_POST

PropID: 4382 RSV CAT: 1PDP
 Well Name: ROSA UNIT #322A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/21/2011
 TIME : 17:55:26
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

RESERVES AND ECONOMICS

EFFECTIVE DATE: 09/2007

--END-- MO-YEAR	----GROSS PRODUCTION----				----NET PRODUCTION----				-----PRICES-----		NO. OF WELLS	-----OPERATIONS, M\$-----		
	OIL,	MBBL	GAS,	MMCF	OIL,	MBBL	GAS,	MMCF	OIL \$/B	GAS \$/M		OIL REVENUE	GAS REVENUE	TOTAL REVENUE
09-2007		0.000		0.000		0.000		0.000	0.00	0.000	1.0	0.000	0.000	0.000
10-2007		0.000		1.614		0.000		0.325	0.00	4.130	1.0	0.000	1.342	1.342
11-2007		0.000		1.436		0.000		0.289	0.00	4.975	1.0	0.000	1.438	1.438
12-2007		0.000		0.519		0.000		0.104	0.00	5.370	1.0	0.000	0.561	0.561
12-2008		0.000		11.145		0.000		2.243	0.00	5.840	1.0	0.000	13.099	13.099
12-2009		0.000		9.602		0.000		1.932	0.00	2.093	1.0	0.000	4.044	4.044
12-2010		0.000		0.826		0.000		0.166	0.00	3.914	1.0	0.000	0.651	0.651
12-2011		0.000		1.844		0.000		0.371	0.00	5.114	1.0	0.000	1.898	1.898
12-2012														
12-2013														
12-2014														
12-2015														
12-2016														
12-2017														
12-2018														
12-2019														
12-2020														
12-2021														
12-2022														
12-2023														
S TOT		0.000		26.986		0.000		5.431	0.00	4.241	1.0	0.000	23.032	23.032
AFTER		0.000		0.000		0.000		0.000	0.00	0.000	1.0	0.000	0.000	0.000
TOTAL		0.000		26.986		0.000		5.431	0.00	4.241	1.0	0.000	23.032	23.032
--END-- MO-YEAR	-----OPERATIONS, M\$-----				-----CAPITAL COSTS, M\$-----								8.0%	
	SEV + ADV TAXES	NET OPER EXPENSES	INTEREST+ PRINCIPAL	OPERATION CASH FLOW	TANGIBLE INV.	INTANG. INV.	TOTAL BORROW INV	TOTAL EQUITY INV	CASH BTAX,	FLOW MS	CUM. BTAX,	DISC M\$		
09-2007	0.000	0.851	0.000	-0.851	0.000	0.000	0.000	0.000	-0.851		-0.851	-0.848		
10-2007	0.077	0.851	0.000	0.413	0.000	0.000	0.000	0.000	0.413		-0.439			
11-2007	0.083	0.851	0.000	0.504	0.000	0.000	0.000	0.000	0.504		0.057			
12-2007	0.032	0.851	0.000	-0.322	0.000	0.000	0.000	0.000	-0.322		-0.259			
12-2008	0.756	10.212	0.000	2.131	48.990	264.040	0.000	313.030	-310.899		-293.733			
12-2009	0.233	10.212	0.000	-6.402	0.000	0.000	0.000	0.000	-6.402		-299.292			
12-2010	0.038	10.212	0.000	-9.599	0.000	0.000	0.000	0.000	-9.599		-307.011			
12-2011	0.110	1.702	0.000	0.086	0.000	0.000	0.000	0.000	0.086		-306.944			
12-2012														
12-2013														
12-2014														
12-2015														
12-2016														
12-2017														
12-2018														
12-2019														
12-2020														
12-2021														
12-2022														
12-2023														
S TOT	1.329	35.742	0.000	-14.039	48.990	264.040	0.000	313.030	-327.069		-306.944			
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		-306.944			
TOTAL	1.329	35.742	0.000	-14.039	48.990	264.040	0.000	313.030	-327.069		-306.944			

PropID: 4382 RSV CAT: 1PDP
 Well Name: ROSA UNIT #322A
 Field: BASIN
 Cnty: RIO ARRIBA St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/21/2011
 TIME : 17:55:26
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

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

EFFECTIVE DATE: 09/2007

--END--	TAXABLE	DEPRECIA-	DEPLETION	INTANG.	INTEREST	TAXABLE	TAX	TAXES	CASH	FLOW	8.0%
MO-YEAR	CASH FLOW	TION		EXPENSED	PAID & CAP	INCOME	CREDIT	PAYABLE	ATA	DISC	
-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----
09-2007	-0.851	0.000	0.000	0.000	0.000	-0.851	0.000	-0.298	-0.553	-0.551	
10-2007	0.413	0.000	0.000	0.000	0.000	0.413	0.000	0.145	0.269	-0.285	
11-2007	0.504	0.000	0.000	0.000	0.000	0.504	0.000	0.176	0.327	0.037	
12-2007	-0.322	0.000	0.000	0.000	0.000	-0.322	0.000	-0.113	-0.210	-0.168	
12-2008	2.131	11.000	0.000	264.040	0.000	-272.909	0.000	-95.518	-215.381	-204.058	
12-2009	-6.402	10.855	0.000	0.000	0.000	-17.256	0.000	-6.040	-0.362	-204.372	
12-2010	-9.599	7.752	0.000	0.000	0.000	-17.351	0.000	-6.073	-3.526	-207.208	
12-2011	0.086	19.384	0.000	0.000	0.000	-19.297	0.000	-6.754	6.840	-201.949	
12-2012											
12-2013											
12-2014											
12-2015											
12-2016											
12-2017											
12-2018											
12-2019											
12-2020											
12-2021											
12-2022											
12-2023											
S TOT	-14.039	48.990	0.000	264.040	0.000	-327.069	0.000	-114.474	-212.595	-201.949	
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-201.949	
TOTAL	-14.039	48.990	0.000	264.040	0.000	-327.069	0.000	-114.474	-212.595	-201.949	
BTAX RATE OF RETURN (PCT)	0.00	ATA RATE OF RETURN (PCT)	0.00	PRESENT WORTH PROFILE AND							
BTAX PAYOUT YEARS	0.00	ATA PAY OUT YEARS	0.00	---- RATE-OF-RETURN VS. BONUS TABLE ----							
BTAX PAYOUT YEARS (DISC)	0.00	ATA PAY OUT YEARS (DISC)	0.00	P.W.	B.F.I.T.	A.F.I.T.	A.F.I.T.				
BTAX NET INCOME/INVEST	-0.04	ATA NET INCOME/INVEST	0.32	FACTOR	WORTH	WORTH	BONUS				
BTAX NET INCOME/INVEST(DISC)	-0.04	ATA NET INCOME/INVEST(DISC)	0.32	%-----	M\$-----	M\$-----	M\$-----				
PRODUCTION START DATE	09/2007	PROJECT LIFE (YEARS)	3.50	0.00	-327.1	-212.6	-327.1				
		DISCOUNT - RATE (PCT)	8.00	2.00	-321.7	-209.8	-318.3				
				5.00	-314.1	-205.8	-306.3				
				8.00	-306.9	-201.9	-295.4				
INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	4.130	10.00	-302.4	-199.5	-288.7				
MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	5.114	12.00	-297.9	-197.0	-282.3				
GROSS OIL WELLS	0.	GROSS GAS WELLS	1.	15.00	-291.6	-193.5	-273.4				
				18.00	-285.6	-190.2	-265.3				
CUMULATIVE OIL (MBBL)	0.000	CUMULATIVE GAS (MMF)	0.000	20.00	-281.7	-188.0	-260.1				
REMAINING OIL (MBBL)	0.000	REMAINING GAS (MMCF)	26.986	25.00	-272.6	-182.8	-248.4				
ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	26.986	30.00	-264.2	-177.9	-237.9				
				35.00	-256.3	-173.3	-228.5				
INITIAL WI (PCT)	23.000	FINAL WI (PCT)	23.000	40.00	-249.0	-169.0	-220.0				
INITIAL NET OIL (PCT)	0.000	FINAL NET OIL (PCT)	0.000	45.00	-242.2	-164.9	-212.2				
INITIAL NET GAS (PCT)	20.125	FINAL NET GAS (PCT)	20.125	50.00	-235.8	-161.1	-205.1				

ROSA UNIT #322A | 1PDP | FRUITLAND COAL | J7PK9QXGB7 | 62167047
Filtered by Scenario: SJB-OP-PostAudit

Titles

PROPID: @M.PROPID RSV CAT: @M.RESERVE_CATEGORY	BASE
WELL NAME: @M.WELL_NAME	BASE
FIELD: @M.FIELD	BASE
CNTY: @M.BHL_COUNTY ST: @M.STATE	BASE
RESERVOIR: @M.RESERVOIR	BASE
OPERATOR: @M.OPERATOR	BASE

Miscellaneous

BTU @M.BTU	BASE
WELLS 0 1	BASE
<u>LOSS NO</u>	

Production

START 09/2007	SJ_OP_POST
GAS 55 X M/D 30 YRS EXP 16	SJ_OP_POST

Prices

SIDFILE SJB_JCM_07ACTFORWARD	SJ_OP_POST
------------------------------	------------

Expenses

ATX 2.1 X % TO LIFE PC 0	SJ_OP_POST
STX/GAS 3.75 X % TO LIFE PC 0	SJ_OP_POST
OPC/T 3700 X \$/M TO LIFE PC 0	SJ_OP_POST

Ownership

NET @M.WI @M.NRI @M.NRI FRAC	BASE
------------------------------	------

Investments

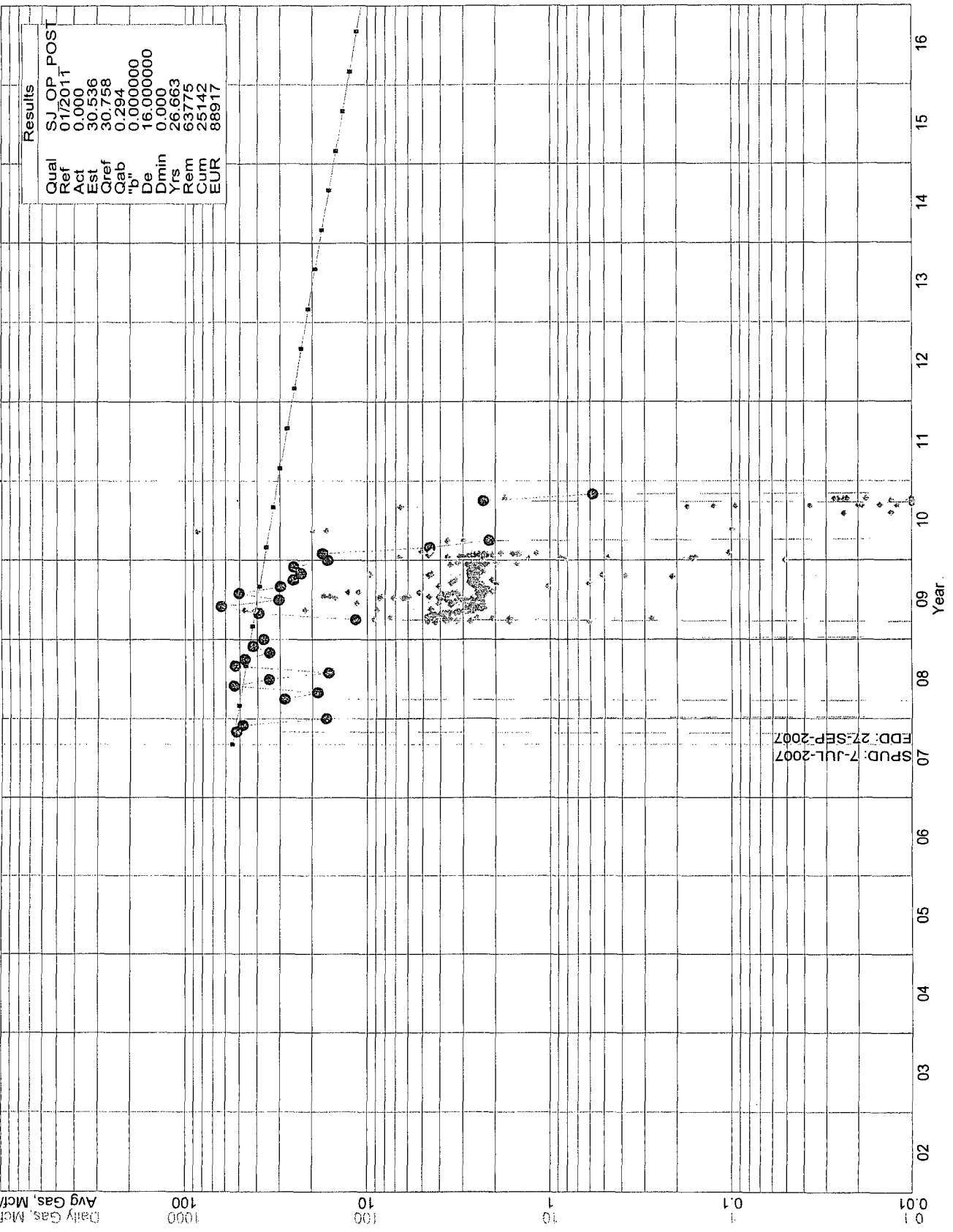
CAPITAL 213 1148 M\$G 06/2008 AD ESC INV	SJ_OP_POST
--	------------

Overlays

SIDFILE RI_TOTAL_BR	SJ_OP_POST
LOAD MP.GAS GAS 01/2007 02/2011 #	SJ_OP_POST

SUB_AvgDay_Gas

Daily Gas, Mc/day



**ROSA UNIT #322A
BASIN FRUITLAND COAL**

Spud: 07/06/07

Completed: 09/19/07

1st Delivered: 09/27/07

Surface Location:

1945' FNL and 600' FWL
SW/4 NW/4 Sec 23(E), T31N, R05W
Rio Arriba, NM

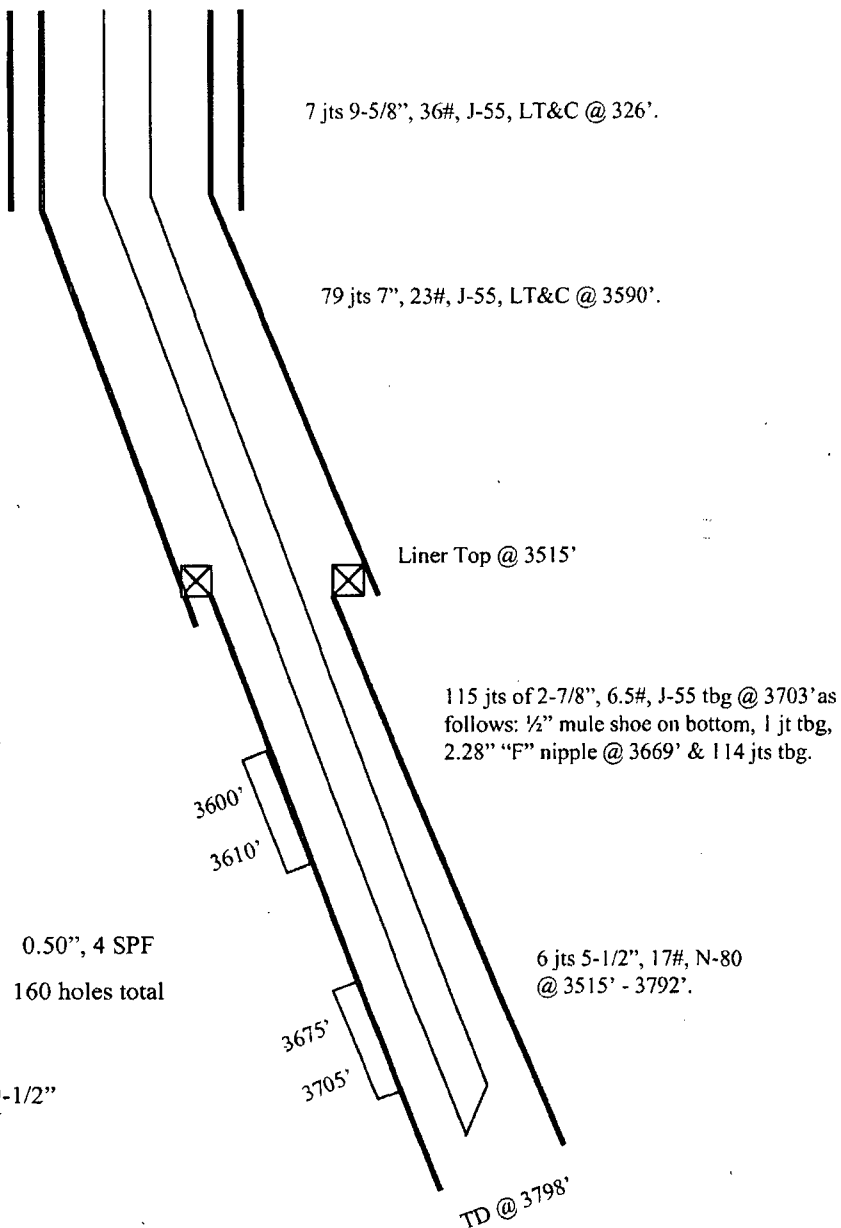
Bottom Hole Location:

976' FNL & 990' FWL
NW/4 NW/4 Sec 23(D), T31N, R05W
Rio Arriba, NM

Elevation: 6646' GR

API # 30-039-29941

<u>Top</u>	<u>MD Depth</u>
Ojo Alamo	3085'
Kirtland	3206'
Fruitland	3538'
Pictured Cliffs	3723'



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	185 sxs	261 cu.ft.	Surface
8-3/4"	7", 23#	650 sxs	1314 cu.ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

TR 10/01/07

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

State of New Mexico
Energy, Minerals & Natural Resources

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 - 039-29941	⁵ Pool Name BASIN FRUITLAND COAL	⁶ Pool Code 71629
⁷ Property Code 17033	⁸ Property Name ROSA UNIT	⁹ Well Number 322A

II. ¹⁰ Surface Location

UL or lot no. E	Section 23	Township 31N	Range 5W	Lot Idn	Feet from the 1945'	North/South Line NORTH	Feet from the 600'	East/West line WEST	County Rio Arriba
--------------------	---------------	-----------------	-------------	---------	------------------------	---------------------------	-----------------------	------------------------	----------------------

¹¹ Bottom Hole Location

UL or lot no. D	Section 23	Township 31N	Range 5W	Lot Idn	Feet from the 976'	North/South line NORTH	Feet from the 990'	East/West line WEST	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

IV. Well Completion Data

²¹ Spud Date 07/06/07	²² Ready Date 09/19/07	²³ TD 3798'	²⁴ PBD	²⁵ Perforations 3600' - 3705'	²⁶ DHC, MC
²⁷ Hole Size 12 1/4"	²⁸ Casing & Tubing Size 9 5/8", 36#, J-55	²⁹ Depth Set 326'	³⁰ Sacks Cement 185		
8 3/4"	7", 23#, J-55	3590'	650		
6 1/4"	5 1/2", 17#, N-80	3515' - 3792'	RCVD OCT 3 '07 OIL CONS. DIV.		
	2-7/8", 6.5#, J-55	3703'	DIST. 3		

VI. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date 09/27/07	³³ Test Date 09/19/07	³⁴ Test Length 1 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 5
³⁷ Choke Size 2"	³⁸ Oil	³⁹ Water	⁴⁰ Gas 13968/5582		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			OIL CONSERVATION DIVISION Approved by: <i>Chal Ross</i> 10.31.07 Title: SUPERVISOR DISTRICT # 3 Approval Date: OCT 31 2007		
Printed name: Tracy Ross					
Title: Sr. Production Analyst					
E-mail Address: Tracy.ross@williams.com					
Date: 10/01/07	Phone: 918-573-6254		Sub. C-102		

8

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-078770

6 IF INDIAN, ALLOTTEE OR
UNIT AGREEMENT NAME
RCVD OCT 4 '07
OIL CONS. DIV.
DIST. 3

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED

OCT 2 2007

Bureau of Land Management
Farmington Field Office

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, 1945' FNL & 600' FWL
At top production interval reported below :
At total depth: 976' FNL & 990' FWL

8 FARM OR LEASE NAME, WELL NO
ROSA UNIT #322A

9 API WELL NO
30-039-29941

10. FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

11 SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
SW/4 NW/4 SEC 23-T31N-R05W

14 PERMIT NO

DATE ISSUED

12 COUNTY OR
RIO ARriba

13 STATE
NEW MEXICO

15 DATE
SPUDDED
07/06/07

16 DATE TD
REACHED
08/27/07

17 DATE COMPLETED (READY TO PRODUCE)
09/19/07

18 ELEVATIONS (DK, RKB, RT, GR, ETC)*
6646' GR

19 ELEVATION CASINGHEAD

20 TOTAL DEPTH, MD & TVD
3798' MD

21 PLUG BACK TD, MD & TVD

22 IF MULTICOMP,
HOW MANY

23 INTERVALS
DRILLED BY

ROTARY TOOLS
x

CABLE TOOLS

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 3600' - 3705'

25 WAS DIRECTIONAL SURVEY MADE
NO

26 TYPE ELECTRIC AND OTHER LOGS RUN
NONE

27 WAS WELL CORED
NO

28 CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" J-55	36#	326'	12-1/4"	185 SX - SURFACE	
7" J-55	23#	3590'	8-3/4"	650 SX - SURFACE	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5 1/2", N80, 17#	3515'	3792'	0 SX		2 3/4", 6 5#, J55	3703'	

31 PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal: 3600' - 10' & 3675' - 3705' for a total of 160, 0.50" perforations

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

WELL WAS NOT ACIDIZED OR FRACED

33 PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SHUT)	
09/27/07		Flowing				Producing	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
09/19/07		2"	1 hrs		582		
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 Weldon Higgins

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 Nancy Ross TITLE Sr. Production Analyst DATE October 1, 2007

ACCEPTED FOR RECORD

OCT 03 2007

FARMINGTON FIELD OFFICE

Sr

NMOCD

37 SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, core intervals, and all drill stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries)

38 GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP		
					NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
					OJO ALAMO	3085'	
					KIRTLAND	3206'	
					FRUITLAND	3538'	
					PICTURED CLIFFS	3723'	

March 22, 2011

The Rosa Unit #389 Fruitland Well (non-commercial) is located 2460 feet from the North Line and 2330 feet from the East Line, Section 07 Township 31 North, Range 04 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on July 18, 2007, and completed in the Fruitland formation on August 06, 2007. The Fruitland formation was completed with a pre-perforated liner between the following depths: 2741' to 4408'. This well has a 2 3/8 tubing string. This well was shut in with a SICP of 7 psig. On August 06, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 3/8 tubing, the well gauged 1580 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 0.00% 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

A handwritten signature in black ink, reading "Marcia Brueggjenjohann", is written over a horizontal line.

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

PropID: 1330 RSV CAT: 1PDP
 Well Name: ROSA UNIT #389
 Field: BASIN
 Cnty: RIO ARRIBA St: NM
 Reservoir: FRUITLAND COAL
 Operator: WPC

Date: 03/22/2011
 Time: 08:06:19
 DBS: SJB
 Settings: SETDATA_JCM
 Scenario: SJB-OP-PostAudit

COMBINED INPUT DATA													INITIAL CALCULATED DATA			
KEYWORD & Ref. Code	Beginning, Ending Rates				Schedule Limit		Method & Value		Ultimate @ End Pt.		Init.Deff	Init. Rate	Final Rate			
400 START	10/2007															
401 GAS	50.00	X	M/D	12.50	EXP	H/1.25	15.00	18.230	10/2008	13.7528	1521.	1297.				
402 "	X		2.00 M/D	X	YRS	EXP	12.50	129.330	9/2031	12.5000	1297.	61.				
500 GAS	01/2007 0 0 0 0 0 0 0 428 288 36 173 137 1 19 158 #							1.240	3/2008							
501 "	X 293 27 0 0 0 0 0 0 0 0 0 0 0 0 #							1.560	7/2009							
502 "	X 0 23 23 9 0 0 0 22 126 346 262 0 0 0 0 #							2.371	11/2010							
503 "	X 0 #							2.371	12/2010							
600 ATX	4.69	X	%	TO	LIFE	PC	0.00		9/2031		0.047	0.047				
601 STX/GAS	3.75	X	%	TO	LIFE	PC	0.00		9/2031		0.037	0.037				
602 OPC/T	1000.00	X	\$/M	TO	LIFE	PC	0.00		9/2031		1000.000	1000.000				
705 LSE/WI	1.0000	D	FRAC	TO	LIFE	FLAT	0.00		9/2031		1.000	1.000				
720 NET/OIL	0.8200	D	FRAC	TO	LIFE	FLAT	0.00		9/2031		0.820	0.820				
740 NET/GAS	0.8200	D	FRAC	TO	LIFE	FLAT	0.00		9/2031		0.820	0.820				
OVERLAYS	Beginning, Ending Rates				Schedule Limit		Method & Value		Ultimate @ End Pt.		Init.Deff	Init. Rate	Final Rate			
901 S 92	S/95	X	FRAC	TO	LIFE	DIV	146.00		9/2031							
903 S /89	0.51	X	FRAC	TO	LIFE	MUL	92.00		9/2031							
905 S /89	1.03	X	FRAC	TO	LIFE	MUL	89.00		9/2031							
907 S /196	S/196	X	FRAC	TO	LIFE	MINUS	89.00		9/2031							
909 S /88	0.05	X	FRAC	TO	LIFE	MUL	92.00		9/2031							
911 S /88	1.00	X	FRAC	TO	LIFE	MINUS	88.00		9/2031							
913 S /196	S/196	X	FRAC	TO	LIFE	MUL	88.00		9/2031							
914 GAS	01/2007 0 0 0 0 0 0 0 428 288 36 173 137 1 19 158 #							1.240	3/2008							
915 "	X 293 27 0 0 0 0 0 0 0 0 0 0 0 0 #							1.560	7/2009							
916 "	X 0 23 23 9 0 0 0 22 126 346 262 0 0 0 0 #							2.371	11/2010							
917 "	X 0 #							2.371	12/2010							
INVESTMENTS	Tangible Intang Units			Invest. Point		Method & Value		Total T&I	Month	Risk Inv.	Tot. T&I&R	Esc. T&I&R				
800 CAPITAL	195.13	1121.26	MSG	0.00	MOS	ESC	INV	1316.389	10/2007	0	1316.3	0.0				

MISCELLANEOUS DATA PARAMETERS

201 BTU 1.03
 202 WELLS 0.00 1.00
 250 LOSS NO

PROJECT RUN SETTINGS

Base Date : 09/2007 Time Frames : 4*1,99*12,8
 P.W. Date : 09/2007 Primary PW% : 8.0 Discount Freq. : MID
 Report Date : 09/2007
 Qualifiers : Prod = SJ_OP_POST Price = SJ_OP_POST Cost = SJ_OP_POST Owner = BASE
 Title = BASE Misc = BASE Invest = SJ_OP_POST Overlay = SJ_OP_POST

PropID: 1330 RSV CAT: 1PDP
 Well Name: ROSA UNIT #389
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/22/2011
 TIME : 08:06:19
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

RESERVES AND ECONOMICS

EFFECTIVE DATE: 09/2007

--END-- MO-YEAR	---GROSS PRODUCTION---				---NET PRODUCTION---				-----PRICES-----		NO. OF WELLS	-----OPERATIONS, M\$-----		
	OIL,	MBBL	GAS,	MMCF	OIL,	MBBL	GAS,	MMCF	OIL \$/B	GAS \$/M		OIL REVENUE	GAS REVENUE	TOTAL REVENUE
09-2007		0.000		0.288	0.000		0.000		0.00	0.000	1.0	0.000	0.000	0.000
10-2007														
11-2007														
12-2007														
12-2008														
12-2009														
12-2010														
12-2011														
12-2012														
12-2013														
12-2014														
12-2015														
12-2016														
12-2017														
12-2018														
12-2019														
12-2020														
12-2021														
12-2022														
12-2023														
S TOT		0.000		0.288	0.000		0.000		0.00	0.000	1.0	0.000	0.000	0.000
AFTER		0.000		0.000	0.000		0.000		0.00	0.000	1.0	0.000	0.000	0.000
TOTAL		0.000		0.288	0.000		0.000		0.00	0.000	1.0	0.000	0.000	0.000

--END-- MO-YEAR	-----OPERATIONS, M\$-----					-----CAPITAL COSTS, M\$-----				8.0%			
	SEV + ADV TAXES	NET OPER EXPENSES	INTEREST+ PRINCIPAL	OPERATION CASH FLOW	OPERATION CASH FLOW	TANGIBLE INV.	INTANG. INV.	TOTAL BORROW INV	TOTAL EQUITY INV	CASH BTAX, M\$	FLOW M\$	CUM. BTAX, M\$	DISC M\$
09-2007	0.000	0.000	0.000	0.000	0.000	195.132	1121.257	0.000	1316.389	-1316.389		-1316.389	
10-2007													
11-2007													
12-2007													
12-2008													
12-2009													
12-2010													
12-2011													
12-2012													
12-2013													
12-2014													
12-2015													
12-2016													
12-2017													
12-2018													
12-2019													
12-2020													
12-2021													
12-2022													
12-2023													
S TOT	0.000	0.000	0.000	0.000	0.000	195.132	1121.257	0.000	1316.389	-1316.389		-1316.389	
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		-1316.389	
TOTAL	0.000	0.000	0.000	0.000	0.000	195.132	1121.257	0.000	1316.389	-1316.389		-1316.389	

PropID: 1330 RSV CAT: 1PDP
 Well Name: ROSA UNIT #389
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/22/2011
 TIME : 08:06:19
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

AFTER TAX ECONOMICS

EFFECTIVE DATE: 09/2007

--END--	TAXABLE	DEPRECIA-	DEPLETION	INTANG.	INTEREST	TAXABLE	TAX	TAXES	CASH FLOW	8.0%
MO-YEAR	CASH FLOW	TION	M\$-----	EXPENSED	PAID & CAP	INCOME	CREDIT	PAYABLE	ATAW	CUM. DISC
-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----
09-2007	0.000	195.132	0.000	1121.257	0.000	-1316.389	0.000	-460.736	-855.653	-857.128
10-2007										
11-2007										
12-2007										
12-2008										
12-2009										
12-2010										
12-2011										
12-2012										
12-2013										
12-2014										
12-2015										
12-2016										
12-2017										
12-2018										
12-2019										
12-2020										
12-2021										
12-2022										
12-2023										
S TOT	0.000	195.132	0.000	1121.257	0.000	-1316.389	0.000	-460.736	-855.653	-857.128
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-857.128
TOTAL	0.000	195.132	0.000	1121.257	0.000	-1316.389	0.000	-460.736	-855.653	-857.128
BTAX RATE OF RETURN (PCT)	0.00	ATAW RATE OF RETURN (PCT)	0.00	PRESENT WORTH PROFILE AND						
BTAX PAYOUT YEARS	0.08	ATAW PAY OUT YEARS	0.08	---- RATE-OF-RETURN VS. BONUS TABLE ----						
BTAX PAYOUT YEARS (DISC)	0.08	ATAW PAY OUT YEARS (DISC)	0.08	P.W.	B.F.I.T.	A.F.I.T.	A.F.I.T.			
BTAX NET INCOME/INVEST	0.00	ATAW NET INCOME/INVEST	0.35	FACTOR	WORTH	WORTH	BONUS			
BTAX NET INCOME/INVEST(DISC)	0.00	ATAW NET INCOME/INVEST(DISC)	0.35	%-----	M\$-----	M\$-----	M\$-----			
PRODUCTION START DATE	10/2007	PROJECT LIFE (YEARS)	0.08	0.00	-1316.4	-855.7	-855.7			
		DISCOUNT - RATE (PCT)	8.00	2.00	-1316.4	-856.0	-856.0			
INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	-0.594	5.00	-1316.4	-856.6	-856.6			
MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	0.000	8.00	-1316.4	-857.1	-857.1			
GROSS OIL WELLS	0.	GROSS GAS WELLS	1.	10.00	-1316.4	-857.5	-857.5			
CUMULATIVE OIL (MBBL)	0.000	CUMULATIVE GAS (MMF)	0.000	12.00	-1316.4	-857.8	-857.8			
REMAINING OIL (MBBL)	0.000	REMAINING GAS (MMCF)	0.288	15.00	-1316.4	-858.3	-858.3			
ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	0.288	18.00	-1316.4	-858.8	-858.8			
INITIAL WI (PCT)	0.000	FINAL WI (PCT)	0.000	20.00	-1316.4	-859.1	-859.1			
INITIAL NET OIL (PCT)	0.000	FINAL NET OIL (PCT)	0.000	25.00	-1316.4	-859.9	-859.9			
INITIAL NET GAS (PCT)	10.250	FINAL NET GAS (PCT)	0.000	30.00	-1316.4	-860.7	-860.7			
				35.00	-1316.4	-861.4	-861.4			
				40.00	-1316.4	-862.1	-862.1			
				45.00	-1316.4	-862.7	-862.7			
				50.00	-1316.4	-863.4	-863.4			

ROSA UNIT #389 | 1PDP | FRUITLAND COAL | J7PK787QYC | 62050616
Filtered by Scenario: SJB-OP-PostAudit

Titles

PROPID: @M.PROPID RSV CAT: @M.RESERVE_CATEGORY	BASE
WELL NAME: @M.WELL_NAME	BASE
FIELD: @M.FIELD	BASE
CNTY: @M.BHL_COUNTY ST: @M.STATE	BASE
RESERVOIR: @M.RESERVOIR	BASE
OPERATOR: @M.OPERATOR	BASE

Miscellaneous

BTU @M.BTU	BASE
WELLS 0 1	BASE

LOSS NO

Production

START 10/2007	SJ_OP_POST
GAS 50 X M/D 12.5 EXP H/1.25 15	SJ_OP_POST
" X 2 M/D X YRS EXP 12.5	SJ_OP_POST

Prices

LOAD MP.GAS GAS 01/2007 02/2011 #	SJ_OP_POST
-----------------------------------	------------

Expenses

ATX 4.6933 X % TO LIFE PC 0	SJ_OP_POST
STX/GAS 3.75 X % TO LIFE PC 0	SJ_OP_POST
OPC/T 1000 X \$/M TO LIFE PC 0	SJ_OP_POST

Ownership

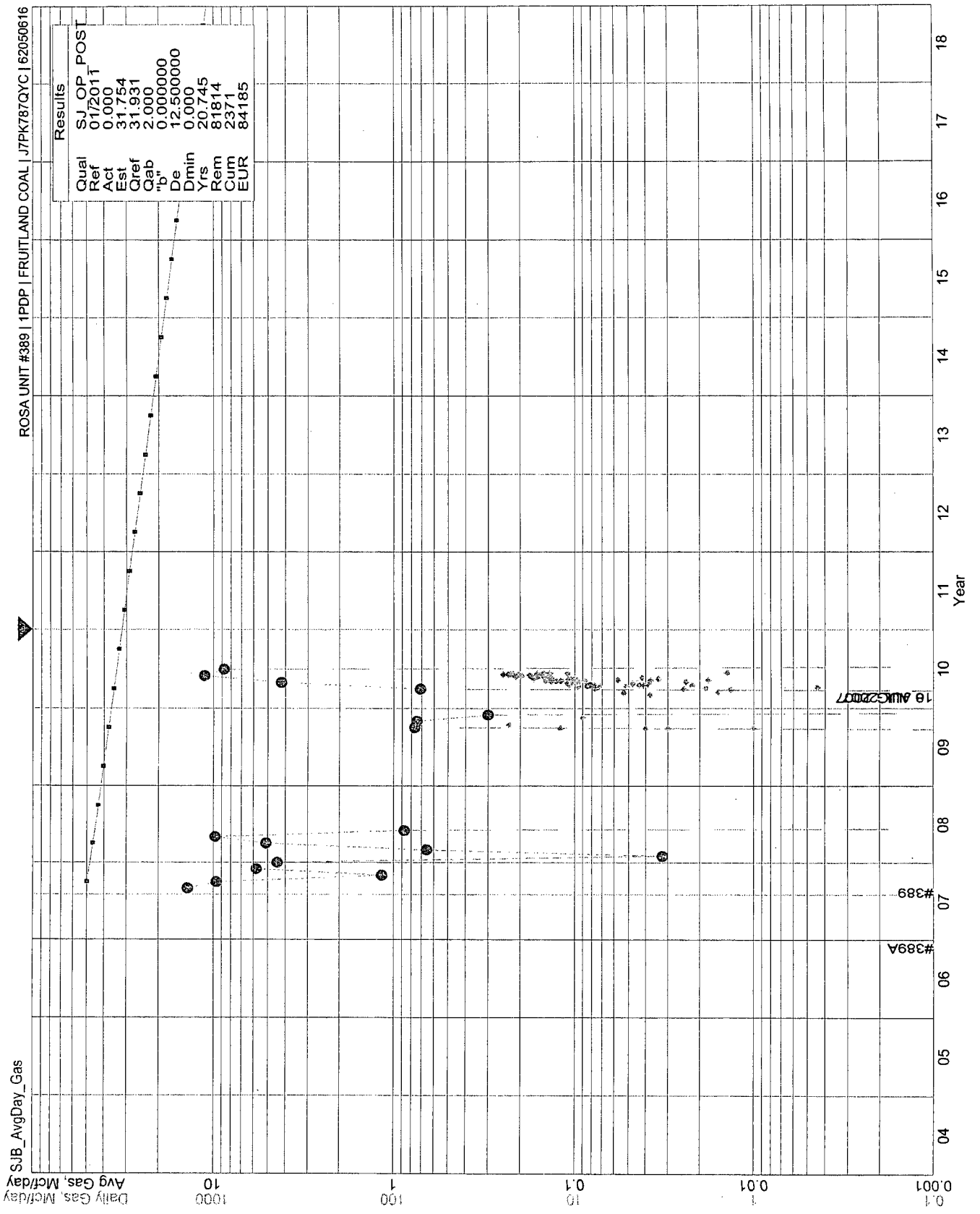
NET @M.WI @M.NRI @M.NRI FRAC	BASE
------------------------------	------

Investments

CAPITAL 195.132 1121.257 M\$G 0 MOS ESC INV	SJ_OP_POST
---	------------

Overlays

SIDFILE RI_TOTAL_BR	SJ_OP_POST
LOAD MP.GAS GAS 01/2007 02/2011 #	SJ_OP_POST



2

ROSA UNIT #389
BASIN FRUITLAND COAL

Location:

SHL: 2460' FNL and 2330' FEL
SW/4 NE/4 Sec 07(G), T31N, R04W

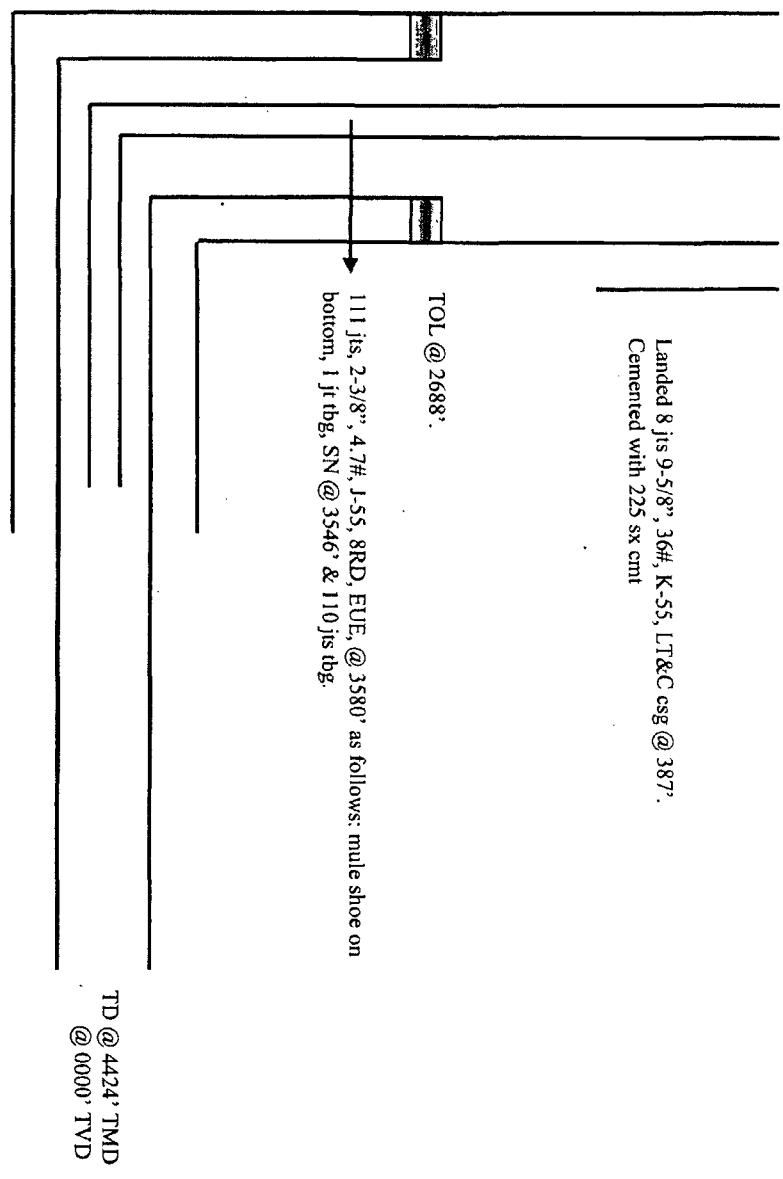
BHL: 3423' FNL and 3240' FEL
NE/4 SW/4 Sec 07(K), T31N, R04W
Rio Arriba, New Mexico

Elevation: 6457' GR
API # 30-039-29506

Spud date: 07/18/07
Completed: 08/06/07
1st Delivered: 08/10/07

Top	MD Depth
Ojo Alamo	2652'
Kirtland	2762'
Fruitland	3162'

Landed 83 jts 7", 23#, J-55, LT&C csg @ 3600'
TMD, 3270' TVD, FC @ 3552' TMD, 3222'
TVD. Cemented with 700 sx cmt.



Hole Size	Casing	Cement	Volume	Top of CMT
12-1/4"	9-5/8" 36#	225 sxs	215 cu ft.	surface
8-3/4"	7" 23#	700 sxs	1359 cu ft.	surface
6-1/4"	4-1/2" 11.6#	Did Not Cmt	N/A	N/A

Landed 4-1/2" liner @ 4410' TMD, TOL @ 2688' as follows: liner hanger, 1 jt 4 1/2", 11.6#, J-55 non-perfed csg, 40 jts, 4 1/2", 11.6#, J-55 perfed csg & shoe on bottom. Liner perfs are from 2741' to 4408'. Total of 39,984 (0.50") holes.

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 - 039-29506	⁵ Pool Name BASIN FRUITLAND COAL	⁶ Pool Code 71629
⁷ Property Code 17033	⁸ Property Name ROSA UNIT	⁹ Well Number 389

II. ¹⁰ Surface Location

Ul or lot no. G	Section 07	Township 31N	Range 04W	Lot Idn	Feet from the 2460'	North/South Line NORTH	Feet from the 2330'	East/West line EAST	County RIO ARRIBA
--------------------	---------------	-----------------	--------------	---------	------------------------	---------------------------	------------------------	------------------------	----------------------

¹¹ Bottom Hole Location

UL or lot no. K	Section 07	Township 31N	Range 04W	Lot Idn	Feet from the 3423' 1857'	North/South line NORTH SOUTH	Feet from the 3240' 1810'	East/West line EAST WEST	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	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267		O	
025244	WILLIAMS FIELD SERVICES P O BOX 645 TULSA, OK 74102		G	RCUD AUG 29 '07 OIL CONS. DIV. DIST. 3

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
-------------------	--

V. Well Completion Data

²⁵ Spud Date 07/18/07	²⁶ Ready Date 08/10/07	²⁷ TD 4425' 4424'	²⁸ PBTB	²⁹ Perforations 2741' - 4408'	³⁰ DHC, MC
³¹ Hole Size 12 1/2"	³² Casing & Tubing Size 9-5/8", K-55, 36#	³³ Depth Set 387'	³⁴ Sacks Cement 225		
8 3/4"	7", J-55, 23#	3600'	700		
6 1/4"	4-1/2", J-55, 11.6#	4410'	0		
	2-3/8", J-55, 4.7#	3580'			

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date 08/10/07	³⁷ Test Date 08/06/07	³⁸ Test Length 1 hrs	³⁹ Tbg. Pressure 0	⁴⁰ Csg. Pressure 7
⁴¹ Choke Size 2"	⁴² Oil	⁴³ Water	⁴⁴ Gas 1580	⁴⁵ AOF	⁴⁶ Test Method Pitot
⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Gracy Rose</i>			8/30/07 OIL CONSERVATION DIVISION		
Printed name: TRACY ROSS			Approved by: <i>Charles H. 8-31-07</i>		
Title: SR. PRODUCTION ANALYST			Title: SUPERVISOR DISTRICT # 3		
E-mail Address: tracy.ross@williams.com			Approval Date: AUG 31 2007		
Date: 08/27/07			File "As Drilled" C-102		
Phone: (918) 573-6254			Mm appl		

n Lieu of
Form 3160-4
July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN
DUPLICATE

(See other instructions on
reverse side)

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

5 LEASE DESIGNATION AND LEASE NO.
NMSF-078890-28

6 IF INDIAN, ALLOTTEE OR

7 UNIT AGREEMENT NAME
FARMINGTON NM

8 FARM OR LEASE NAME, WELL NO
ROSA UNIT #389

9 API WELL NO.
30-039-29506

10. FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

11 SEC., T., R., M. OR BLOCK AND
SURVEY OR AREA
SW/4 NE/4 SEC 07-T31N-R04W

12 COUNTY OR 13 STATE
RIO ARriba NEW MEXICO

19 ELEVATION CASINGHEAD

ROTARY TOOLS
x

25 WAS DIRECTIONAL SURVEY MADE
YES

27 WAS WELL CORED
NO

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: 2460' FNL & 2330' FEL
At top production interval reported below:
At total depth: 3423' FNL & 3240' FEL

K- 1857/5 1810/W

15 DATE 16 DATE T.D. REACHED 17 DATE COMPLETED (READY TO PRODUCE)
SPUDDED 07/18/07 08/04/07 08/06/07

20 TOTAL DEPTH, MD & TVD 21 PLUG, BACK T.D., MD & TVD
4424' MD

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 2741' - 4408'

26 TYPE ELECTRIC AND OTHER LOGS RUN
NONE

28 CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" K-55	36#	387'	12-1/4"	225 SX - SURFACE	
7" J-55	23#	3600'	8-3/4"	700 SX - SURFACE	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2" J55, 11.6#	2688'	4410'	0 SX		2-3/8", 4 7#, J-55	3580'	

31 PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal: 2741' - 4408', total of 39,984, 0 50" holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

WELL WAS NOT ACIDIZED OR FRACED

REC'D AUG 29 '07

OIL CONS. DIV.
DIST. 3

33 PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
08/10/07		Flowing				Producing	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
08/06/07		2"	1 hrs		1580		
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE			OIL - BBL	GAS - MCF	OIL GRAVITY-API (CORR.)
0	7						

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

TEST WITNESSED BY Glen Gathings

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 August 27, 2007

ACCEPTED FOR RECORD

NMOCD

AUG 28 2007

FARMINGTON FIELD OFFICE

38 GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP		
					NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
					OJO ALAMO	2652'	
					KIRTLAND	2762'	
					FRUITLAND	3162'	

March 22, 2011

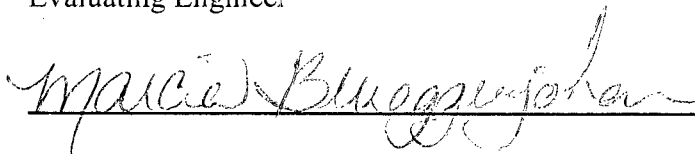
The Rosa Unit #393A Fruitland Well (non-commercial) is located 2605 feet from the South Line and 2520 feet from the East Line, Section 15 Township 31 North, Range 04 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on August 08, 2007, and completed in the Fruitland formation on August 31, 2007. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3330' to 4666'. This well has a 2 3/8 tubing string. This well was shut in with a SICP of 7 psig. On August 30, 2007 the well was tested and after flowing for 1 hour through a 2" choke on the 2 3/8 tubing, the well gauged 1580 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 0.00% 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

A handwritten signature in cursive script, reading "Marcia Brueggenjohann", is written over a horizontal line.

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

PropID: 1342 RSV CAT: 1PDP
 Well Name: ROSA UNIT #393A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 Operator: WPC

Date: 03/22/2011
 Time: 08:13:13
 DBS: SJB
 Settings: SETDATA_JCM
 Scenario: SJB-OP-PostAudit

COMBINED INPUT DATA								INITIAL CALCULATED DATA			
KEYWORD & Ref. Code	Beginning, Ending Rates		Schedule Limit		Method & Value			Ultimate @ End Pt.	Init.Deff	Init. Rate	Final Rate
400 START	10/2007										
401 GAS	80.00	X M/D	12.50	EXP	B/1.2	45.00	61.186 12/2012	45.0000	2433.	511.	
402 "	X	2.00 M/D	X	YRS	EXP	12.50	101.678 12/2028	12.5000	511.	60.	
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	4.803 3.083 2.653 2.598 #/M						4/2009			
507 "	X	2.497 2.647 3.046 3.106 #/M						8/2009			
508 "	X	2.476 2.694 3.573 4.645 #/M						12/2009			
509 "	01/2010	4.816 4.866 4.861 4.719 #/M						4/2010			
510 "	X	4.791 4.897 5.125 5.234 #/M						8/2010			
511 "	X	5.267 5.32 5.727 6.142 #/M						12/2010			
512 "	01/2011	6.213 6.211 6.012 5.333 #/M						4/2011			
513 "	X	5.324 5.412 5.879 5.988 #/M						8/2011			
514 "	X	5.874 5.696 5.924 6.299 #/M						12/2011			
515 "	01/2012	6.097 6.247 6.347 6.474 #/Y						12/2015			
516 "	X	6.604 6.736 6.871 7.008 #/Y						12/2019			
517 "	X	7.148 7.291 7.437 7.586 #/Y						12/2023			
518 "	X	7.738 #/Y						12/2024			
519 "	7.74	X \$/M	TO	LIFE	PC	0.00	12/2028		7.738	7.738	
600 ATX	4.69	X %	TO	LIFE	PC	0.00	12/2028		0.047	0.047	
601 STX/GAS	3.75	X %	TO	LIFE	PC	0.00	12/2028		0.037	0.037	
602 OPC/T	4000.00	X \$/M	TO	LIFE	PC	0.00	12/2028		4000.000	4000.000	
705 LSE/WI	1.0000	D FRAC	TO	LIFE	FLAT	0.00	12/2028		1.000	1.000	
720 NET/OIL	0.8200	D FRAC	TO	LIFE	FLAT	0.00	12/2028		0.820	0.820	
740 NET/GAS	0.8200	D FRAC	TO	LIFE	FLAT	0.00	12/2028		0.820	0.820	
OVERLAYS	Beginning, Ending Rates		Schedule Limit		Method & Value			Ultimate @ End Pt.	Init.Deff	Init. Rate	Final Rate
901 S 92	S/95	X FRAC	TO	LIFE	DIV	146.00	12/2028				
903 S /89	0.51	X FRAC	TO	LIFE	MUL	92.00	12/2028				
905 S /89	0.95	X FRAC	TO	LIFE	MUL	89.00	12/2028				
907 S /196	S/196	X FRAC	TO	LIFE	MINUS	89.00	12/2028				
909 S /88	0.05	X FRAC	TO	LIFE	MUL	92.00	12/2028				
911 S /88	1.00	X FRAC	TO	LIFE	MINUS	88.00	12/2028				
913 S /196	S/196	X FRAC	TO	LIFE	MUL	88.00	12/2028				
914 GAS	01/2007	0 0 0 0 0 0 0 0 2530.66 1070.38 1363.61 #						4.965 12/2007			
915 "	X	2280.89 2824.66 1859.49 1720.68 2009.33 1713.05 #						17.373 6/2008			
916 "	X	1947.29 1659.32 1686.87 1484.8 1327.89 1227.31 #						26.706 12/2008			
917 "	X	1153.09 1357.1 1371.59 1293.7 1288.63 1133.82 #						34.304 6/2009			
918 "	X	976.81 271.15 908.88 1146.93 1009.53 502.75 1088.43 #						40.209 1/2010			
919 "	X	830.72 782.73 793.77 367.51 831.48 725.73 699.08 #						45.240 8/2010			
920 "	X	577.17 254.65 3.9 0.01 #						46.075 12/2010			
INVESTMENTS	Tangible Intang Units		Invest. Point		Method & Value			Total T&I	Month	Risk Inv.	Tot. T&I&R
800 CAPITAL	416.13	1248.40 MSG	0.00	MOS	ESC	INV	1664.529	10/2007	0	1664.5	0.0

MISCELLANEOUS DATA PARAMETERS

201 BTU 0.95
 202 WELLS 0.00 1.00
 250 LOSS NO

PROJECT RUN SETTINGS

Base Date : 09/2007 Time Frames : 4*1.99*12,8
 P.W. Date : 09/2007 Primary PW% : 8.0 Discount Freq. : MID
 Report Date : 09/2007
 Qualifiers : Prod = SJ_OP_POST Price = SJ_OP_POST Cost = SJ_OP_POST Owner = BASE
 Title = BASE Misc = BASE Invest = SJ_OP_POST Overlay = SJ_OP_POST

PropID: 1342 RSV CAT: 1PDP
 Well Name: ROSA UNIT #393A
 Field: BASIN
 Cnty: RIO ARRIBA St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/22/2011
 TIME : 08:13:13
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

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

EFFECTIVE DATE: 09/2007

--END-- MO-YEAR	----GROSS PRODUCTION----				---NET PRODUCTION----				-----PRICES-----		NO. OF WELLS	-----OPERATIONS, M\$-----		
	OIL, MMCF	MBBL	GAS, MMCF	MMCF	OIL, MMCF	MBBL	GAS, MMCF	MMCF	OIL \$/B	GAS \$/M		OIL REVENUE	GAS REVENUE	TOTAL REVENUE
09-2007	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
10-2007	0.000		2.531		0.000		2.075		0.00	4.031	1.0	0.000	8.366	8.366
11-2007	0.000		1.070		0.000		0.878		0.00	4.874	1.0	0.000	4.278	4.278
12-2007	0.000		1.364		0.000		1.118		0.00	5.268	1.0	0.000	5.890	5.890
12-2008	0.000		17.702		0.000		14.515		0.00	6.827	1.0	0.000	99.094	99.094
12-2009														
12-2010														
12-2011														
12-2012														
12-2013														
12-2014														
12-2015														
12-2016														
12-2017														
12-2018														
12-2019														
12-2020														
12-2021														
12-2022														
12-2023														
S TOT	0.000		22.666		0.000		18.586		0.00	6.329	1.0	0.000	117.628	117.628
AFTER	0.000		0.000		0.000		0.000		0.00	0.000	1.0	0.000	0.000	0.000
TOTAL	0.000		22.666		0.000		18.586		0.00	6.329	1.0	0.000	117.628	117.628
--END-- MO-YEAR	-----OPERATIONS, M\$-----					-----CAPITAL COSTS, M\$-----					8.0%			
	SEV + ADV TAXES	NET OPER EXPENSES	INTEREST+ PRINCIPAL	OPERATION CASH FLOW	TANGIBLE INV.	INTANG. INV.	TOTAL BORROW INV	TOTAL EQUITY INV	CASH BTAX,	FLOW M\$	CUM. BTAX,	DISC M\$		
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		
10-2007	0.692	4.000	0.000	3.674	416.132	1248.397	0.000	1664.529	-1660.855		-1650.249			
11-2007	0.354	4.000	0.000	-0.076	0.000	0.000	0.000	0.000	-0.076		-1650.323			
12-2007	0.487	4.000	0.000	1.403	0.000	0.000	0.000	0.000	1.403		-1648.951			
12-2008	8.192	36.000	0.000	54.902	0.000	0.000	0.000	0.000	54.902		-1596.962			
12-2009														
12-2010														
12-2011														
12-2012														
12-2013														
12-2014														
12-2015														
12-2016														
12-2017														
12-2018														
12-2019														
12-2020														
12-2021														
12-2022														
12-2023														
S TOT	9.725	48.000	0.000	59.903	416.132	1248.397	0.000	1664.529	-1604.626		-1596.962			
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		-1596.962			
TOTAL	9.725	48.000	0.000	59.903	416.132	1248.397	0.000	1664.529	-1604.626		-1596.962			

PropID: 1342 RSV CAT: 1PDP
 Well Name: ROSA UNIT #393A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/22/2011
 TIME : 08:13:13
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

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

EFFECTIVE DATE: 09/2007

--END--	TAXABLE	DEPRECIA-	DEPLETION	INTANG.	INTEREST	TAXABLE	TAX	TAXES	CASH FLOW	8.0%
MO-YEAR	CASH FLOW	TION		EXPENSED	PAID & CAP	INCOME	CREDIT	PAYABLE	ATAX	CUM. DISC
-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----
09-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-2007	3.674	5.406	0.000	1248.397	0.000	-1250.129	0.000	-437.545	-1223.310	-1216.893
11-2007	-0.076	5.406	0.000	0.000	0.000	-5.482	0.000	-1.919	1.843	-1215.079
12-2007	1.403	5.406	0.000	0.000	0.000	-4.003	0.000	-1.401	2.804	-1212.338
12-2008	54.902	399.914	0.000	0.000	0.000	-345.012	0.000	-120.754	175.656	-1046.001
12-2009										
12-2010										
12-2011										
12-2012										
12-2013										
12-2014										
12-2015										
12-2016										
12-2017										
12-2018										
12-2019										
12-2020										
12-2021										
12-2022										
12-2023										
S TOT	59.903	416.132	0.000	1248.397	0.000	-1604.626	0.000	-561.619	-1043.007	-1046.001
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-1046.001
TOTAL	59.903	416.132	0.000	1248.397	0.000	-1604.626	0.000	-561.619	-1043.007	-1046.001

BTAX RATE OF RETURN (PCT)	0.00	ATAx RATE OF RETURN (PCT)	0.00	PRESENT WORTH PROFILE AND			
BTAX PAYOUT YEARS	1.08	ATAx PAY OUT YEARS	1.08	---- RATE-OF-RETURN VS. BONUS TABLE ----			
BTAX PAYOUT YEARS (DISC)	1.08	ATAx PAY OUT YEARS (DISC)	1.08	P.W.	B.F.I.T.	A.F.I.T.	A.F.I.T.
BTAX NET INCOME/INVEST	0.04	ATAx NET INCOME/INVEST	0.37	FACTOR	WORTH	WORTH	BONUS
BTAX NET INCOME/INVEST(DISC)	0.03	ATAx NET INCOME/INVEST(DISC)	0.37	%-----	M\$-----	M\$-----	M\$-----
PRODUCTION START DATE	10/2007	PROJECT LIFE (YEARS)	1.08	0.00	-1604.6	-1043.0	-1604.6
		DISCOUNT - RATE (PCT)	8.00	2.00	-1602.7	-1043.8	-1595.8
				5.00	-1599.8	-1045.0	-1583.3
				8.00	-1597.0	-1046.0	-1571.5
INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	4.031	10.00	-1595.1	-1046.6	-1564.0
MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	6.827	12.00	-1593.3	-1047.3	-1556.8
GROSS OIL WELLS	0.	GROSS GAS WELLS	1.	15.00	-1590.6	-1048.1	-1546.4
				18.00	-1588.0	-1048.9	-1536.6
CUMULATIVE OIL (MBBL)	0.000	CUMULATIVE GAS (MMF)	0.000	20.00	-1586.3	-1049.3	-1530.3
REMAINING OIL (MBBL)	0.000	REMAINING GAS (MMCF)	22.666	25.00	-1582.2	-1050.4	-1515.5
ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	22.666	30.00	-1578.2	-1051.3	-1501.8
				35.00	-1574.3	-1052.1	-1489.1
INITIAL WI (PCT)	100.000	FINAL WI (PCT)	100.000	40.00	-1570.5	-1052.8	-1477.3
INITIAL NET OIL (PCT)	0.000	FINAL NET OIL (PCT)	0.000	45.00	-1566.9	-1053.4	-1466.2
INITIAL NET GAS (PCT)	82.000	FINAL NET GAS (PCT)	82.000	50.00	-1563.4	-1053.8	-1455.8

ROSA UNIT #393A | 1PDP | FRUITLAND COAL | J7PK78GU9C | 62050744
Filtered by Scenario: SJB-OP-PostAudit

Titles

PROPID: @M.PROPID RSV CAT: @M.RESERVE_CATEGORY	BASE
WELL NAME: @M.WELL_NAME	BASE
FIELD: @M.FIELD	BASE
CNTY: @M.BHL_COUNTY ST: @M.STATE	BASE
RESERVOIR: @M.RESERVOIR	BASE
OPERATOR: @M.OPERATOR	BASE

Miscellaneous

BTU @M.BTU	BASE
WELLS 0 1	BASE

LOSS NO

Production

START 10/2007	SJ_OP_POST
GAS 80 X M/D 12.5 EXP B/1.2 45	SJ_OP_POST
" X 2 M/D X YRS EXP 12.5	SJ_OP_POST
*WTR 1 X B/D 35 YRS EXP 5	SJ_OP_POST

Prices

SIDFILE SJB_JCM_07ACTFORWARD	SJ_OP_POST
------------------------------	------------

Expenses

ATX 4.6933 X % TO LIFE PC 0	SJ_OP_POST
STX/GAS 3.75 X % TO LIFE PC 0	SJ_OP_POST
OPC/T 4000 X \$/M TO LIFE PC 0	SJ_OP_POST

Ownership

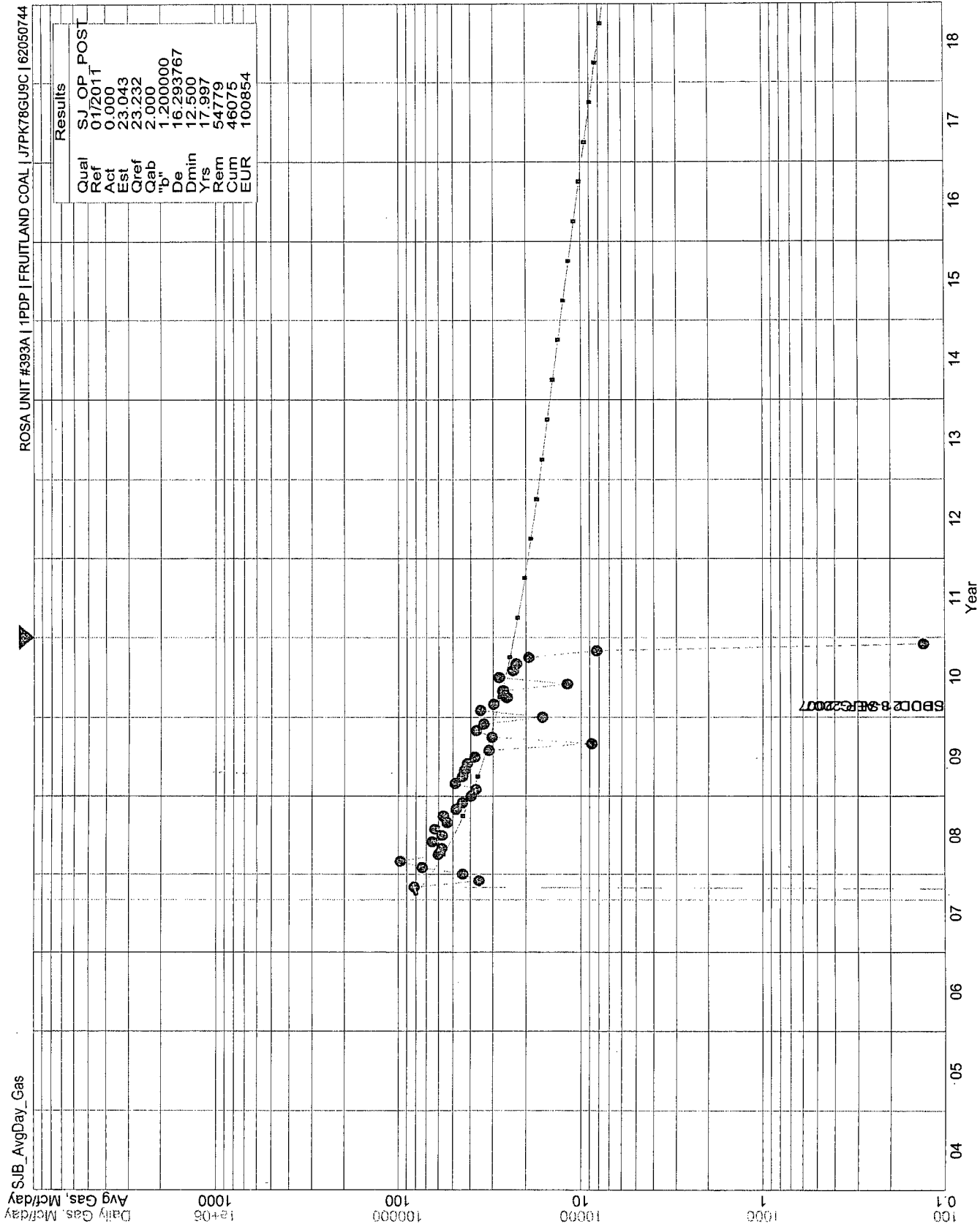
NET @M.WI @M.NRI @M.NRI FRAC	BASE
------------------------------	------

Investments

CAPITAL 416.132 1248.397 M\$G 0 MOS ESC INV	SJ_OP_POST
---	------------

Overlays

SIDFILE RI_TOTAL_BR	SJ_OP_POST
LOAD MP.GAS GAS 01/2007 02/2011 #	SJ_OP_POST



ROSA UNIT #393A BASIN FRUITLAND COAL

Location:

SHL: 2605' FSL and 2520' FEL
NW/4 SE/4 Sec 15(J), T31N, R04W

BHL: 3350' FSL and 3332' FEL
SE/4 NW/4 Sec 15(F), T31N, R04W
Rio Arriba, New Mexico

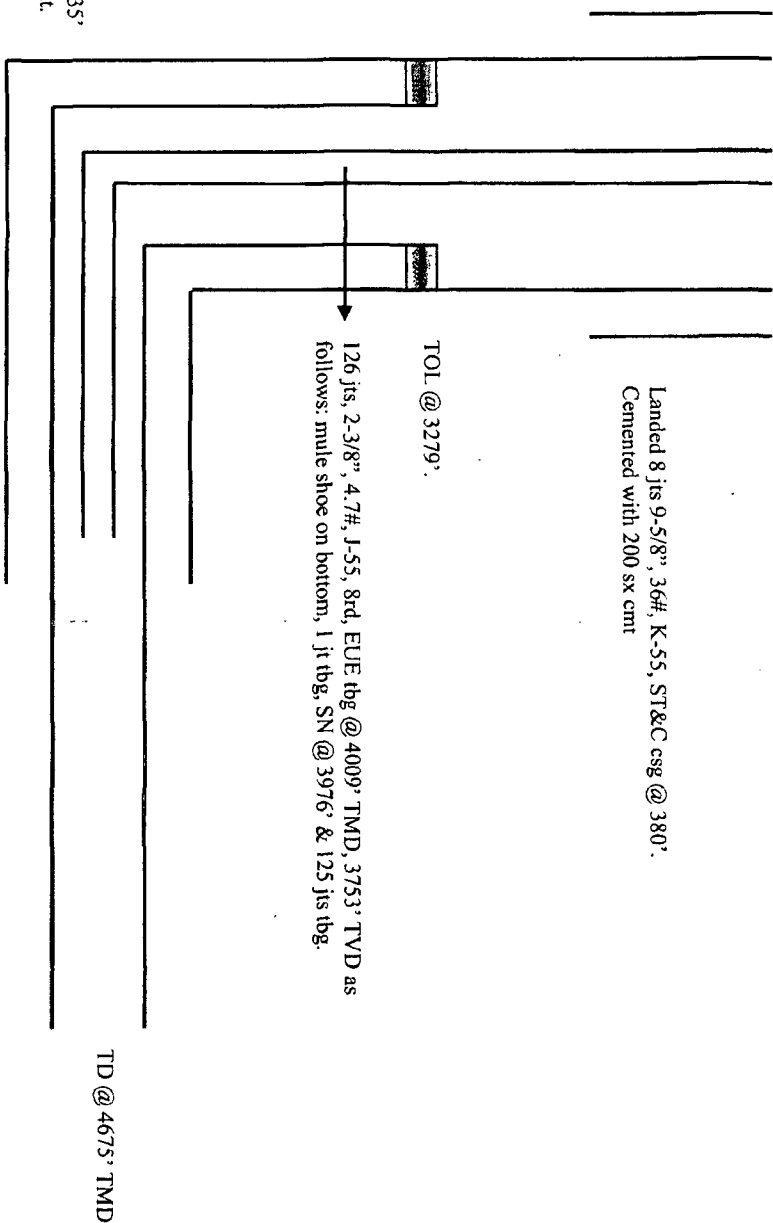
Elevation: 6887' GR

API # 30-039-29801

Spud date: 08/08/07
Completed: 08/31/07
1st Delivered: 09/21/07

Top	MD Depth
Ojo Alamo	3161'
Kirland	3286'
Fruitland	3662'

Landed 88 jts 7", 23#, K-55, LT&C csg @ 4035'
TMD, 3753' TVD. Cemented with 725 sx cmt.



Hole Size	Casing	Cement	Volume	Top of CMT
12-1/4"	9-5/8", 36#	200 sxs	282 cu.ft.	surface
8-3/4"	7", 23#	725 sxs	1311 cu.ft.	surface
6-1/4"	4-1/2", 11.6#	Did Not Cmt	N/A	N/A

Landed 4-1/2" liner @ 4668' TMD, 3765' TVD, TOL @ 3279' as follows: liner hanger, 1 jt 4 1/2", 11.6#, K-55 non-perfed csg, 32 jts, 4 1/2", 11.6#, K-55 perfed csg & shoe on bottom. Liner perfs are from 3330' TMD to 4666' TMD. Total of 37,408 (0.50") holes.

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 - 039-29801	⁵ Pool Name BASIN FRUITLAND COAL	⁶ Pool Code 71629	
⁷ Property Code 17033	⁸ Property Name ROSA UNIT	⁹ Well Number 393A	

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	15	31N	04W		2605'	SOUTH	2520'	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
F	15	31N	04W		3350'	SOUTH	3332'	EAST	RIO ARRIBA

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

III. Oil and Gas Transporters

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

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
-------------------	--

V. Well Completion Data

²⁵ Spud Date 08/08/07	²⁶ Ready Date 09/21/07	²⁷ TD 4675'	²⁸ PBD	²⁹ Perforations 3330' - 4666'	³⁰ DHC, MC
³¹ Hole Size 12 1/2"	³² Casing & Tubing Size 9-5/8", K-55, 36#	³³ Depth Set 380'	³⁴ Sacks Cement 200		
8 1/2"	7", K-55, 23#	4035'	725		
6 1/2"	4-1/2", K-55, 11.6#	4668'	0		
	2-3/8", J-55, 4.7#	4009'			

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date 09/21/07	³⁷ Test Date 08/30/07	³⁸ Test Length 1 hrs	³⁹ Tbg. Pressure 0	⁴⁰ Csg. Pressure 7
⁴¹ Choke Size 2"	⁴² Oil	⁴³ Water	⁴⁴ Gas 1580	⁴⁵ AOF	⁴⁶ Test Method Pitot

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Tracy Ross</i>		11/5/07 OIL CONSERVATION DIVISION	
Printed name: TRACY ROSS		Approved by: <i>[Signature]</i> Title: DEPUTY OIL & GAS INSPECTOR, DIST. 3	
Title: SR. PRODUCTION ANALYST		Approval Date: NOV 09 2007	
E-mail Address: tracy.ross@williams.com			
Date: 10/01/07	Phone: (918) 573-6254	<i>Sub C102</i>	

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN
DUPLICATE

(See other instructions on
reverse side)

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

5 LEASE DESIGNATION AND LEASE NO
NMSF-078892

6 IF INDIAN, ALLOTTEE OR

7 UNIT AGREEMENT NAME

8 FARM OR LEASE NAME, WELL NO
ROSA UNIT #393A

9 API WELL NO
30-039-29801

10 FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

11 SEC. T. R. M. OR BLOCK AND
SURVEY OR AREA
NW/4 SE/4 SEC 15-T31N-R04W

12 COUNTY OR
RIO ARriba

13 STATE
NEW MEXICO

19 ELEVATION CASINGHEAD

ROTARY TOOLS
x

CABLE TOOLS

25 WAS DIRECTIONAL SURVEY MADE
YES

27 WAS WELL CORED
NO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG RECEIVED

OCT 2 2007

Bureau of Land Management
Farmington Field Office

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, 2605' FSL & 2520' FEL
At top production interval reported below.
At total depth: 3350' FSL & 3332' FEL

15 DATE
SPUDDED
08/08/07

16 DATE T D
REACHED
08/29/07

17 DATE COMPLETED (READY TO PRODUCE)
08/31/07

14 PERMIT NO
DATE ISSUED
6887' GR

20 TOTAL DEPTH, MD & TVD
4675' MD

21 PLUG, BACK T D, MD & TVD

22 IF MULTICOMP,
HOW MANY

23 INTERVALS
DRILLED BY

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 3330' - 4666'

26 TYPE ELECTRIC AND OTHER LOGS RUN
NONE

28 CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" K-55	36#	380'	12-1/4"	200 SX - SURFACE	
7" K-55	23#	4035'	8-3/4"	725 SX - SURFACE	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2", K55, 11 6#	3279'	4668'	0 SX		2-3/8", 4.7#, J-55	4009'	

31 PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal, 3330' - 4666', total of 37,408, 0 50" holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL
(MD) -

AMOUNT AND KIND OF MATERIAL USED

WELL WAS NOT ACIDIZED OR FRACED

RCVD OCT 4 '07

OIL CONS. DIV.
DIST. 3

33 PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
09/21/077		Flowing				Producing	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
08/30/07		2"	1 hrs		1580		
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	7						

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

TEST WITNESSED BY Glen Gathings

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 Rosa TITLE Sr. Production Analyst DATE October 1, 2007

ACCEPTED FOR RECORD

OCT 03 2007

FARMINGTON FIELD OFFICE

NMOCD

37. SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, corrd intervals, and all drill stem, tests, including depth interval tested, casing used, time tool open, flowing and shut-in pressures, and recoveries)

38 GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC	NAME	TOP		
					NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
				OJO ALAMO	3161'		
				KIRTLAND	3286'		
				FRUITLAND	3662'		

March 22, 2011

The Rosa Unit #397A Fruitland Well (non-commercial) is located 1105 feet from the South Line and 1800 feet from the East Line, Section 27 Township 31 North, Range 04 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on September 08, 2008, and completed in the Fruitland formation on October 26, 2008. The Fruitland formation was completed with a pre-perforated liner between the following depths: 3610' to 3660'. This well has a 2 7/8 tubing string. This well was shut in with a SICP of 1/2 oz. On October 20, 2008 the well was tested and after flowing for 1/2 hour through a 2" choke on the 2 7/8 tubing, the well gauged 112 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 0.00% 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

A handwritten signature in black ink, reading "Marcia Brueggenjohann", is written over a horizontal line.

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

PropID: 11372 RSV CAT: 1PDP
 Well Name: ROSA UNIT #397A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 Operator: WPC

Date: 03/22/2011
 Time: 08:41:35
 DBS: SJB
 Settings: SETDATA_JCM
 Scenario: SJB-OP-PostAudit

COMBINED INPUT DATA							INITIAL CALCULATED DATA				
KEYWORD & Ref. Code	Beginning	Ending	Rates	Schedule	Limit	Method & Value	Ultimate @	End Pt.	Init.Deff	Init. Rate	Final Rate
400 START	11/2008										
401 GAS	24.00	X	M/D	1.00	YR	EXP -125.00	13.503	10/2009	-125.0000	730.	1643.
402 "	X	X	M/D	3.00	IYR	EXP 5.00	68.308	10/2012	5.0000	1643.	1408.
403 "	X	10.00	M/D	X	YRS	EXP 15.00	150.085	4/2022	15.0000	1408.	301.
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	4.277	#/M		12/2009			
509 "	01/2010	5.72	5.31	4.66	3.77	#/M		4/2010			
510 "	X	3.87	3.69	4.28	4.08	#/M		8/2010			
511 "	X	3.47	4.126	5.75	5.75	#/M		12/2010			
512 "	5.75	X	\$/M	TO	LIFE	PC 0.00		4/2022		5.750	5.750
600 ATX	2.10	X	%	TO	LIFE	PC 0.00		4/2022		0.021	0.021
601 STX/OIL	9.00	X	%	TO	LIFE	PC 0.00		4/2022		0.090	0.090
602 OPC/T	1700.00	X	\$/M	TO	LIFE	PC 0.00		4/2022		1700.000	1700.000
705 LSE/WI	1.0000	D	FRAC	TO	LIFE	FLAT 0.00		4/2022		1.000	1.000
720 NET/OIL	0.8200	D	FRAC	TO	LIFE	FLAT 0.00		4/2022		0.820	0.820
740 NET/GAS	0.8200	D	FRAC	TO	LIFE	FLAT 0.00		4/2022		0.820	0.820
OVERLAYS	Beginning	Ending	Rates	Schedule	Limit	Method & Value	Ultimate @	End Pt.	Init.Deff	Init. Rate	Final Rate
901 S 92	S/95	X	FRAC	TO	LIFE	DIV 146.00		4/2022			
903 S /89	0.51	X	FRAC	TO	LIFE	MUL 92.00		4/2022			
905 S /89	1.06	X	FRAC	TO	LIFE	MUL 89.00		4/2022			
907 S /196	S/196	X	FRAC	TO	LIFE	MINUS 89.00		4/2022			
909 S /88	0.05	X	FRAC	TO	LIFE	MUL 92.00		4/2022			
911 S /88	1.00	X	FRAC	TO	LIFE	MINUS 88.00		4/2022			
913 S /196	S/196	X	FRAC	TO	LIFE	MUL 88.00		4/2022			
914 GAS	01/2007	0.000	0.000	0.000	0.000	#	0.000	4/2008			
915 "	X	0.000	0.212	383.78	1036.72	1111.36	987.22	1052.78	#	4.784	3/2009
916 "	X	1002.56	1031.85	973.65	899.88	777.53	968.57	269.12	#	10.707	10/2009
917 "	X	970.67	837.37	837.37	923.3	980.8	932.69	908.85	#	17.098	5/2010
918 "	X	835.19	816.58	785.45	654.7	1017.21	1013.14	1066.49	#	23.287	12/2010
919 "	X	1091.6	#					24.378	1/2011		
INVESTMENTS	Tangible	Intang	Units	Invest.	Point	Method & Value	Total T&I	Month	Risk Inv.	Tot. T&I&R	Esc. T&I&R
800 CAPITAL	253.00	1014.00	M\$G	09/2008	AD	ESC INV	1267.000	9/2008	0	1267.0	0.0

MISCELLANEOUS DATA PARAMETERS

201 BTU 1.06
 202 WELLS 0.00 1.00
 203 CUMO, MB 0.00 CUMG, MMF 0.00 CUML, MB
 250 LOSS NO

PROJECT RUN SETTINGS

Base Date : 09/2007 Time Frames : 4*1,99*12,8
 P.W. Date : 09/2007 Primary PW% : 8.0 Discount Freq. : MID
 Report Date : 09/2007
 Qualifiers : Prod = SJ_OP_POST Price = SJ_OP_POST Cost = SJ_OP_POST Owner = BASE
 Title = BASE Misc = BASE Invest = SJ_OP_POST Overlay = SJ_OP_POST

PropID: 11372 RSV CAT: 1PDP
 Well Name: ROSA UNIT #397A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/22/2011
 TIME : 08:41:35
 DES : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

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

EFFECTIVE DATE: 09/2007

--END-- MO-YEAR	----GROSS PRODUCTION----				---NET PRODUCTION----				-----PRICES-----		NO. OF WELLS	-----OPERATIONS, M\$-----		
	OIL,	MBBL	GAS,	MMCF	OIL,	MBBL	GAS,	MMCF	OIL \$/B	GAS \$/M		OIL REVENUE	GAS REVENUE	TOTAL REVENUE
09-2007	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		0.00	0.000	0.0	0.000	0.000	0.000
11-2007	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
12-2007	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
12-2008	0.000		1.633		0.000		1.165		0.00	3.524	1.0	0.000	4.104	4.104
12-2009	0.000		10.883		0.000		8.924		0.00	2.616	1.0	0.000	23.348	23.348
12-2010	0.000		10.772		0.000		8.833		0.00	3.976	1.0	0.000	35.116	35.116
12-2011	0.000		17.645		0.000		14.469		0.00	5.129	1.0	0.000	74.207	74.207
12-2012	0.000		17.166		0.000		14.076		0.00	5.129	1.0	0.000	72.195	72.195
12-2013	0.000		15.180		0.000		12.448		0.00	5.129	1.0	0.000	63.842	63.842
12-2014	0.000		12.903		0.000		10.581		0.00	5.129	1.0	0.000	54.266	54.266
12-2015	0.000		10.968		0.000		8.994		0.00	5.129	1.0	0.000	46.126	46.126
12-2016	0.000		9.323		0.000		7.645		0.00	5.129	1.0	0.000	39.207	39.207
12-2017	0.000		7.924		0.000		6.498		0.00	5.129	1.0	0.000	33.326	33.326
12-2018	0.000		6.736		0.000		5.523		0.00	5.129	1.0	0.000	28.327	28.327
12-2019	0.000		5.725		0.000		4.695		0.00	5.129	1.0	0.000	24.078	24.078
12-2020	0.000		2.124		0.000		1.742		0.00	5.129	1.0	0.000	8.934	8.934
12-2021														
12-2022														
12-2023														
S TOT	0.000		128.981		0.000		105.591		0.00	4.802	1.0	0.000	507.077	507.077
AFTER	0.000		0.000		0.000		0.000		0.00	0.000	1.0	0.000	0.000	0.000
TOTAL	0.000		128.981		0.000		105.591		0.00	4.802	1.0	0.000	507.077	507.077
--END-- MO-YEAR	-----OPERATIONS, M\$-----				-----CAPITAL COSTS, M\$-----								8.0%	
	SEV + ADV TAXES	NET OPER EXPENSES	INTEREST+ PRINCIPAL	OPERATION CASH FLOW	TANGIBLE INV.	INTANG. INV.	TOTAL BORROW	INV	TOTAL EQUITY	INV	CASH BTAX,	FLOW M\$	CUM. BTAX,	DISC M\$
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
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
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
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
12-2008	0.086	3.400	0.000	0.618	253.000	1014.000	0.000	1267.000	-1266.382	-1172.568				
12-2009	0.490	20.400	0.000	2.458	0.000	0.000	0.000	0.000	2.458	-1170.434				
12-2010	0.737	20.400	0.000	13.978	0.000	0.000	0.000	0.000	13.978	-1159.194				
12-2011	1.558	20.400	0.000	52.249	0.000	0.000	0.000	0.000	52.249	-1120.294				
12-2012	1.516	20.400	0.000	50.279	0.000	0.000	0.000	0.000	50.279	-1085.633				
12-2013	1.341	20.400	0.000	42.102	0.000	0.000	0.000	0.000	42.102	-1058.760				
12-2014	1.140	20.400	0.000	32.727	0.000	0.000	0.000	0.000	32.727	-1039.417				
12-2015	0.969	20.400	0.000	24.758	0.000	0.000	0.000	0.000	24.758	-1025.869				
12-2016	0.823	20.400	0.000	17.984	0.000	0.000	0.000	0.000	17.984	-1016.756				
12-2017	0.700	20.400	0.000	12.226	0.000	0.000	0.000	0.000	12.226	-1011.020				
12-2018	0.595	20.400	0.000	7.332	0.000	0.000	0.000	0.000	7.332	-1007.835				
12-2019	0.506	20.400	0.000	3.173	0.000	0.000	0.000	0.000	3.173	-1006.559				
12-2020	0.188	8.500	0.000	0.246	0.000	0.000	0.000	0.000	0.246	-1006.465				
12-2021														
12-2022														
12-2023														
S TOT	10.649	236.300	0.000	260.129	253.000	1014.000	0.000	1267.000	-1006.871	-1006.465				
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-1006.465				
TOTAL	10.649	236.300	0.000	260.129	253.000	1014.000	0.000	1267.000	-1006.871	-1006.465				

PropID: 11372 RSV CAT: 1PDP
 Well Name: ROSA UNIT #397A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 PostAudit
 Operator: WPC

DATE : 03/22/2011
 TIME : 08:41:35
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-

AFTER TAX ECONOMICS

EFFECTIVE DATE: 09/2007

--END--	TAXABLE	DEPRECIA-	DEPLETION	INTANG.	INTEREST	TAXABLE	TAX	TAXES	CASH FLOW	8.0%
MO-YEAR	CASH FLOW	TION	M\$-----	EXPENSED	PAID & CAP	INCOME	CREDIT	PAYABLE	ATAX	CUM. DISC
-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----
09-2007	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
11-2007	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
12-2008	0.618	7.231	0.000	1014.000	0.000	-1020.613	0.000	-357.214	-909.167	-837.544
12-2009	2.458	49.576	0.000	0.000	0.000	-47.118	0.000	-16.491	18.949	-821.089
12-2010	13.978	56.056	0.000	0.000	0.000	-42.078	0.000	-14.727	28.706	-798.007
12-2011	52.249	40.033	0.000	0.000	0.000	12.216	0.000	4.276	47.973	-762.290
12-2012	50.279	28.597	0.000	0.000	0.000	21.681	0.000	7.588	42.690	-732.861
12-2013	42.102	22.584	0.000	0.000	0.000	19.517	0.000	6.831	35.271	-710.347
12-2014	32.727	22.576	0.000	0.000	0.000	10.150	0.000	3.553	29.174	-693.105
12-2015	24.758	22.584	0.000	0.000	0.000	2.173	0.000	0.761	23.997	-679.973
12-2016	17.984	3.761	0.000	0.000	0.000	14.223	0.000	4.978	13.006	-673.382
12-2017	12.226	0.000	0.000	0.000	0.000	12.226	0.000	4.279	7.947	-669.654
12-2018	7.332	0.000	0.000	0.000	0.000	7.332	0.000	2.566	4.766	-667.583
12-2019	3.173	0.000	0.000	0.000	0.000	3.173	0.000	1.110	2.062	-666.754
12-2020	0.246	0.000	0.000	0.000	0.000	0.246	0.000	0.086	0.160	-666.693
12-2021										
12-2022										
12-2023										
S TOT	260.129	253.000	0.000	1014.000	0.000	-1006.871	0.000	-352.405	-654.466	-666.693
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-666.693
TOTAL	260.129	253.000	0.000	1014.000	0.000	-1006.871	0.000	-352.405	-654.466	-666.693

BTAX RATE OF RETURN (PCT)	0.00	ATAX RATE OF RETURN (PCT)	0.00
BTAX PAYOUT YEARS	12.75	ATAX PAY OUT YEARS	12.75
BTAX PAYOUT YEARS (DISC)	12.75	ATAX PAY OUT YEARS (DISC)	12.75
BTAX NET INCOME/INVEST	0.21	ATAX NET INCOME/INVEST	0.48
BTAX NET INCOME/INVEST(DISC)	0.14	ATAX NET INCOME/INVEST(DISC)	0.43

PRODUCTION START DATE	11/2008	PROJECT LIFE (YEARS)	12.75
		DISCOUNT - RATE (PCT)	8.00
INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	4.540
MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	5.129
GROSS OIL WELLS	0.	GROSS GAS WELLS	1.

CUMULATIVE OIL (MBBL)	0.000	CUMULATIVE GAS (MMCF)	-0.212
REMAINING OIL (MBBL)	0.000	REMAINING GAS (MMCF)	128.981
ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	128.769

INITIAL WI (PCT)	100.000	FINAL WI (PCT)	100.000
INITIAL NET OIL (PCT)	0.000	FINAL NET OIL (PCT)	0.000
INITIAL NET GAS (PCT)	148.443	FINAL NET GAS (PCT)	82.000

PRESENT WORTH PROFILE AND			
---- RATE-OF-RETURN VS. BONUS TABLE ----			
P.W.	B.F.I.T.	A.F.I.T.	A.F.I.T.
FACTOR	WORTH	WORTH	BONUS
%-----	M\$-----	M\$-----	M\$-----
0.00	-1006.9	-654.5	-1006.9
2.00	-1010.8	-661.0	-958.4
5.00	-1011.1	-666.0	-902.3
8.00	-1006.5	-666.7	-858.5
10.00	-1001.3	-665.3	-833.9
12.00	-995.0	-662.8	-812.0
15.00	-983.6	-657.3	-782.9
18.00	-970.7	-650.3	-757.2
20.00	-961.5	-645.1	-741.6
25.00	-937.1	-630.3	-706.4
30.00	-911.7	-614.3	-675.6
35.00	-886.2	-597.7	-647.9
40.00	-861.0	-581.0	-622.7
45.00	-836.4	-564.6	-599.6
50.00	-812.6	-548.4	-578.3

ROSA UNIT #397A | 1PDP | FRUITLAND COAL | J7PKCLKUMP | 62193755
Filtered by Scenario: SJB-OP-PostAudit

Titles

PROPID: @M.PROPID RSV CAT: @M.RESERVE_CATEGORY	BASE
WELL NAME: @M.WELL_NAME	BASE
FIELD: @M.FIELD	BASE
CNTY: @M.BHL_COUNTY ST: @M.STATE	BASE
RESERVOIR: @M.RESERVOIR	BASE
OPERATOR: @M.OPERATOR	BASE

Miscellaneous

BTU @M.BTU	BASE
WELLS 0 1	BASE

LOSS NO

Production

CUMS 0.00 0	SJ_OP_POST
START 11/2008	SJ_OP_POST
GAS 24 X M/D 1 YR EXP -125	SJ_OP_POST
" X X M/D 3 IYR EXP 5	SJ_OP_POST
" X 10 M/D X YRS EXP 15	SJ_OP_POST

Prices

SIDFILE SJB_JCM_07ACT_COMMERCIAL	SJ_OP_POST
----------------------------------	------------

Expenses

ATX 2.1 X % TO LIFE PC 0	SJ_OP_POST
STX/OIL 9 X % TO LIFE PC 0	SJ_OP_POST
OPC/T 1700 X \$/M TO LIFE PC 0	SJ_OP_POST

Ownership

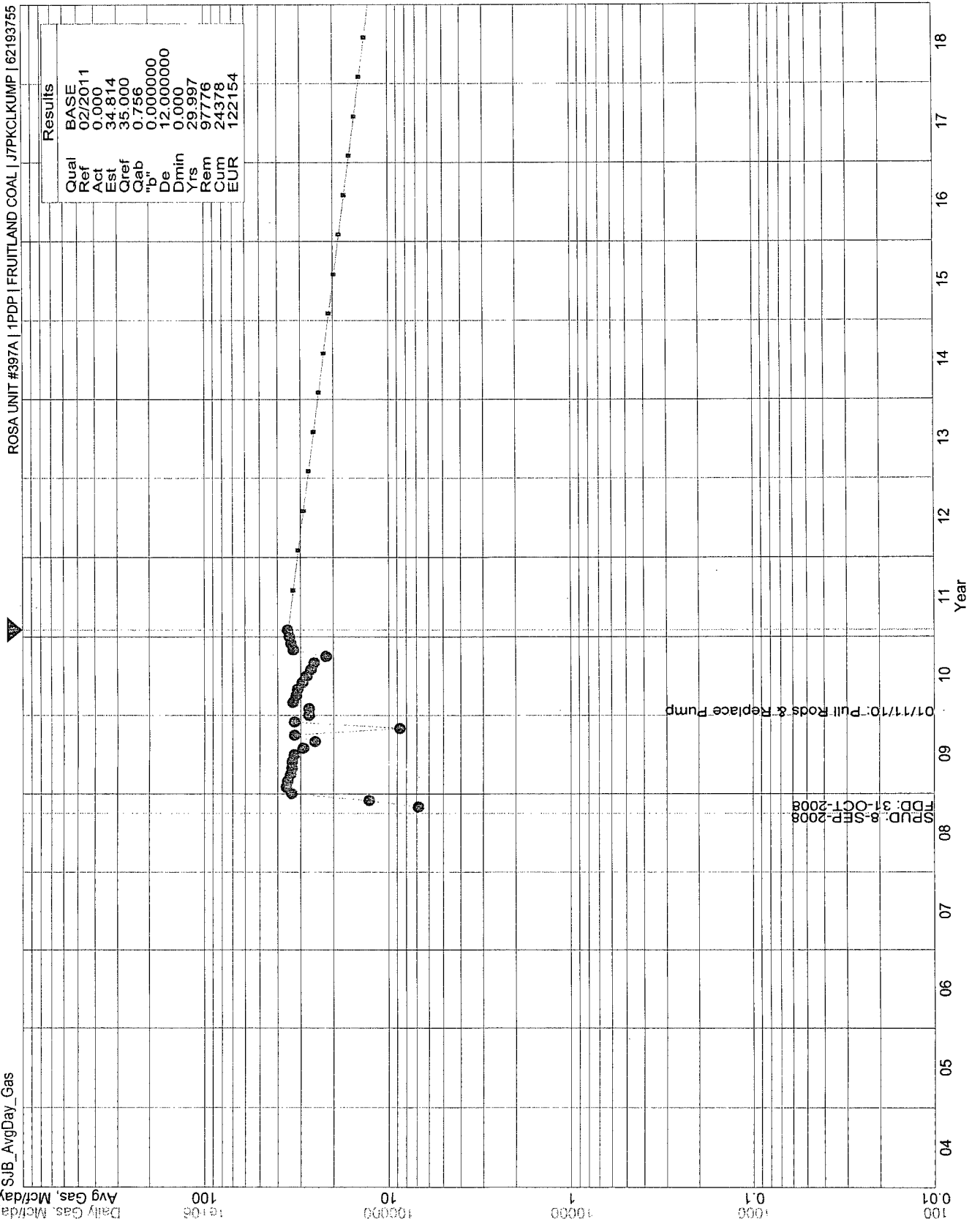
NET @M.WI @M.NRI @M.NRI FRAC	BASE
------------------------------	------

Investments

CAPITAL 253 1014 M\$G 09/2008 AD ESC INV	SJ_OP_POST
--	------------

Overlays

SIDFILE RI_TOTAL_BR	SJ_OP_POST
LOAD MP.GAS GAS 01/2007 02/2011 #	SJ_OP_POST



RCVD NOV 4 '08
OIL CONS. DIV.
DIST. 3

ROSA UNIT #397A
BASIN FRUITLAND COAL

Location:
1105' FSL and 1800' FEL
SW/4 SE/4 Sec 27(O), T31N, R4W
Rio Arriba, New Mexico
Elevation: 6844' GR

API # 30-039-30437

Spud 09/08/08
Completed 10/26/08
1st Delivery 00/00/00

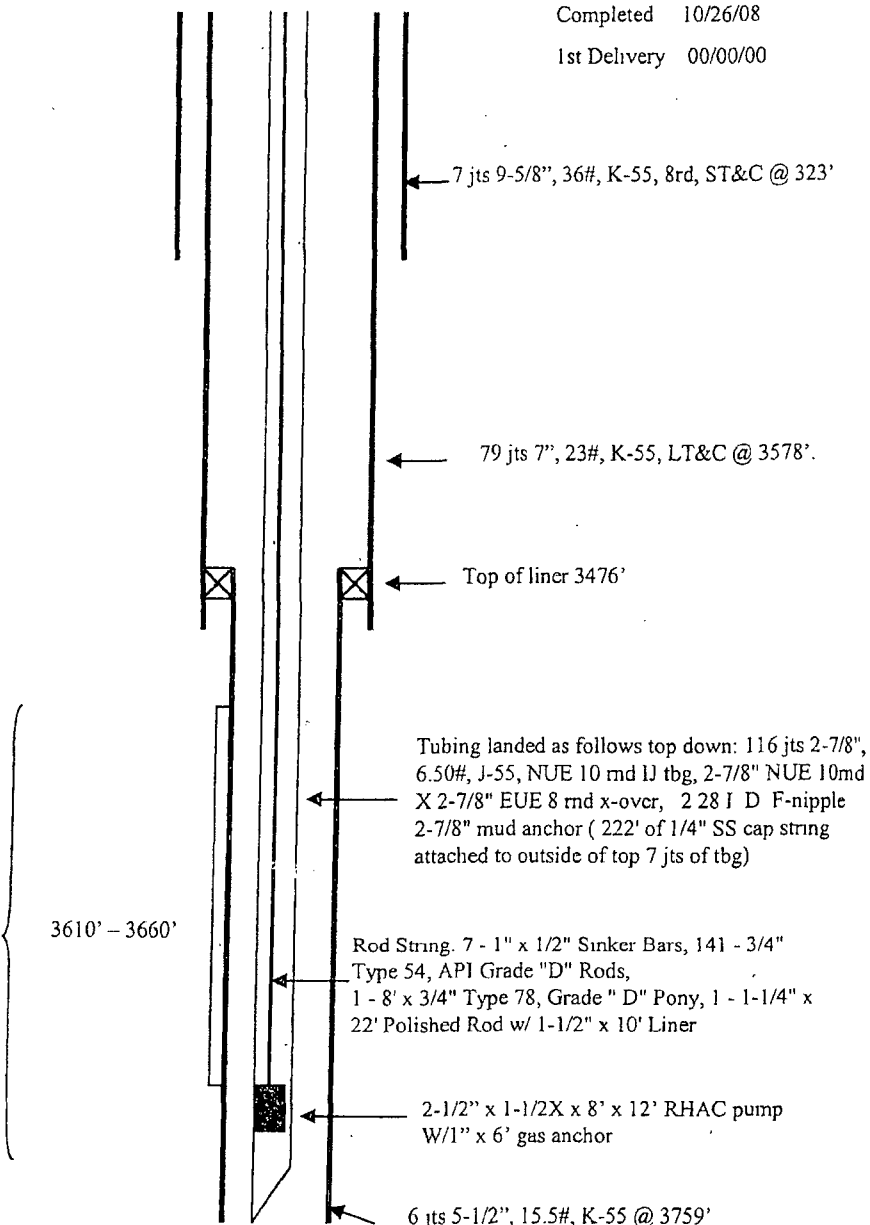
Top	Depth
Ojo Alamo	3096'
Kirtland	3224'
Fruitland	3489'

4 SPF, 200 holes @
0.53"

3610' - 3660'

Open hole from 6-1/4" to 9-1/2"
from 3586' - 3762'

TD @ 3762' MD
PBSD @ 3759'



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	150 sx	212 cu ft	Surface
8-3/4"	7", 23#	515 sx	1045 cu ft	Surface
6-1/4"	5-1/2", 15.5#	Did Not Cmt		

HR 10/28/08

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised Feb. 26, 2007

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, LLC. P.O. Box 640 Aztec, NM 87410		² OGRID Number 120782
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 039-30437	⁵ Pool Name Basin Fruitland Coal	⁶ Pool Code 71629
⁷ Property Code 17033	⁸ Property Name Rosa Unit	⁹ Well Number 397A

II. ¹⁰ Surface Location

UI or lot no. O	Section 27	Township 31N	Range 4W	Lot Idn	Feet from the 1105	South Line	Feet from the 1800	East line	County Rio Arriba
--------------------	---------------	-----------------	-------------	---------	-----------------------	------------	-----------------------	-----------	----------------------

¹¹ Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the line	Feet from the 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
		REVD OCT 30 '08
		OIL CONS. DIV.

IV. Well Completion Data

DIST. 3

²¹ Spud Date 9-8-08	²² Ready Date 10/26/08	²³ TD 3,762'	²⁴ PBDT 3,759'	²⁵ Perforations 3,610' - 3,660'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	9-5/8", 36#, K-55	323'	150 sx - surface		
8-3/4"	7", 23#, K-55	3578'	515 sx - surface		
6-1/4"	5-1/2", 15.5#, K55	3,759'	No Cement		
	2-7/8", 6.5#, J-55	3,711'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date 10/20/08	³⁴ Test Length 1/2 hr	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 1/2 oz.
³⁷ Choke Size 2"	³⁸ Oil	³⁹ Water	⁴⁰ Gas 112 mcf /day		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>Larry Higgins</i>		<i>11/4/08</i> OIL CONSERVATION DIVISION
Printed name: Larry Higgins		Approved by: <i>[Signature]</i>
Title: Drilling COM		Title: DEPUTY OIL & GAS INSPECTOR, DIST. 3
E-mail Address: larry.higgins@williams.com		Approval Date: NOV 04 2008
Date: 10/28/08	Phone: (505)634-4208	<i>BLM approval</i>

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Farmington Field Office

OCT 29 2008

SUBMIT IN
DUPLICATE

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

5 LEASE DESIGNATION AND LEASE NO
NMSF-078894

6 IF INDIAN ALLOTTEE OR

7 UNIT AGREEMENT NAME

Rosa Unit

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #397A

9 API WELL NO
30-039-30437

10 FIELD AND POOL, OR WILDCAT
Basin Fruitland Coal

11 SEC, T, R, M, OR BLOCK AND
SURVEY OR AREA
SEC 27-31N-4W

12 COUNTY OR
Rio Arriba

13 STATE
New Mexico

19 ELEVATION CASING HEAD

ROTARY TOOLS
x

CABLE TOOLS

25 WAS DIRECTIONAL SURVEY MADE
NO

27 WAS WELL CORED
NO

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 640, Aztec, NM 87410 (505) 634-4208

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1105' FSL & 1800' FEL, Sec 27 (O), T31N, R4W
At top production interval reported below: Same
At total depth: Same

15 DATE
SPUDDED
9-8-08

16 DATE T.D.
REACHED
10/1/08

17 DATE COMPLETED (READY TO PRODUCE)
10/26/08

14 PERMIT NO
DATE ISSUED
18 ELEVATIONS (DK, RKB, RT, GR, ETC)*
6844' GR

20 TOTAL DEPTH, MD & TVD
3762' MD

21 PLUG BACK T.D., MD & TVD
3759' MD

22 IF MULTICOMP.
HOW MANY

23 INTERVALS
DRILLED BY

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
Basin Fruitland Coal: 3610' - 3660'

26 TYPE ELECTRIC AND OTHER LOGS RUN
NO ELECTRONIC LOGS. MUD LOGGING ONLY

28 CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8", K-55	36.0#	323'	12-1/4"	150 SX - SURFACE	
7", K-55	23.0#	3578'	8-3/4"	515 SX - SURFACE	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2", 15.5# K-55	3476'	3759'	None		2-7/8", 6.5#, J-55	3711'	

31 PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal - 4 SPIF, 200 holes @ 0.53", 3610' - 3660'

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

Well was not fraced or acidized

RCVD NOV 4 '08
OIL CONS. DIV.

DIST. 3

33 PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping, size and type of pump)				WELL STATUS (PRODUCING OR SI)	
		Flowing				SI - Waiting on Tie In	
DATE OF TEST	TESTED	CHOKER SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
10/20/08	1/2 hr	2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0 oz	1/2 oz				112 MCF/D		

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

TEST WITNESSED BY Weldon Higgins

35 LIST OF ATTACHMENTS SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

ACCEPTED FOR RECORD

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

SIGNED Weldon Higgins TITLE Drilg COM DATE 10/28/08

NOV 03 2008

NMOCD

FARMINGTON FIELD OFFICE

37 SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, corer intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries)

38 GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC	NAME	TOP		
					NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
				OJO ALAMO		3096'	
				KIRTLAND		3224'	
				FRUITLAND		3489'	