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2010 AUG 25 P 1:00



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

August 12, 2010

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 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 Rosa #378 and #378A are not capable of producing unitized substances in paying quantities from the Fruitland formation.

WELLDATA

The Rosa Unit #378 Fruitland Coal Well (non-commercial) is located 2060 feet from the North Line and 1945 feet from the East Line, Section 27 Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on July 26, 2008 and completed in the Fruitland Coal formation on September 16, 2008. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 3460' to 3568'. This well has a 2 7/8" tubing string. This well was shut in with a SICP of 257 psig. On September 12, 2008 the well was tested and after flowing for 1 hour through a 2" choke on the 2 7/8" tubing, the well gauged 673 MCFD.

3460' to 3568'

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.

The Rosa Unit #378A Fruitland Coal Well (non-commercial) is located 510 feet from the South Line and 2225 feet from the East Line, Section 27 Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on July 3, 2008, and completed in the Fruitland Coal formation on August 21, 2008. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 3535' to 3650'. This well has a 2 7/8" tubing string. This well was shut in with a SICP of 103 psig. On August 18, 2008 the well was tested and after flowing for 1 hour through a 2" choke on the 2 7/8" tubing, the well gauged 565 MCFD.

3535' to 3650'

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

The Well Data, Reserves and Economics are attached.

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

Sincerely,

A handwritten signature in black ink that reads "Kris Russell". The signature is fluid and cursive, with the first name "Kris" and last name "Russell" clearly distinguishable.

Kris Russell
Land Data Technician Sr
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 on Non-Commercial wells for the Rosa Unit #378 and #378A.

WORKING INTEREST OWNERS
ROSA UNIT

BP AMERICA PRODUCTION CO.
ATTN: DONNA JONES 19-194C
501 WESTLAKE PARK BLVD
HOUSTON, TX 77079

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
P.O. 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
FARMINGTON, NM 87499-4289

CONOCOPHILLIPS COMPANY
ATTN: CHIEF LANDMAN, SAN JUAN/ROCKIES
OR ROB HELTON OR LAND TECH
P.O. BOX 4289

June 8, 2010

The Rosa Unit #378 Fruitland Coal Well (non-commercial) is located 2060 feet from the North Line and 1945 feet from the East Line, Section 27 Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on July 26, 2008 and completed in the Fruitland Coal formation on September 16, 2008. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 3460' to 3568'. This well has a 2 7/8" tubing string. This well was shut in with a SICP of 257 psig. On September 12, 2008 the well was tested and after flowing for 1 hour through a 2" choke on the 2 7/8" tubing, the well gauged 673 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 black ink, reading "Marcia Brueggjenjohann", is written over a horizontal line.

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

ROSA UNIT #378 | 1PDP | FRUITLAND COAL | J7PK9QKKKF | 4393
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 0	SJ_OP_POST
START 10/2008	SJ_OP_POST
GAS 350 10 M/D X YRS EXP 21	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 9 X % TO LIFE PC 0	SJ_OP_POST
OPC/T 1975 X \$/M TO LIFE PC 0	SJ_OP_POST

Ownership

NET 0.23 0.20125 0.20125 FRAC	SJ_OP_POST
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Investments

CAPITAL 271.005 1084.021 M\$G 10/2008 AD ESC INV	SJ_OP_POST
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Overlays

SIDFILE RIBURDEN	SJ_OP_POST
SIDFILE RIFUELBR	SJ_OP_POST
LOAD MP.GAS GAS 01/2007 03/2010 #	SJ_OP_POST

PropID: 4393 RSV CAT: 1PDP
 Well Name: ROSA UNIT #378
 Field: BASIN
 Cnty: RIO ARRIBA St: NM
 Reservoir: FRUITLAND COAL
 Operator: WPC

DATE : 06/17/2010
 TIME : 16:53:22
 DBS : SJB
 SETTINGS : SETDATA JCM
 SCENARIO : SJB-OP-PostAudit

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

EFFECTIVE DATE: 01/2007

--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
01-2007	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
02-2007	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
03-2007	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
04-2007	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
05-2007	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
06-2007	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
07-2007	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
08-2007	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
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
01-2008	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
02-2008	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
03-2008	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
04-2008	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
05-2008	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
06-2008	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
07-2008	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
08-2008	0.000		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
S TOT	0.000		0.000		0.000		0.000		0.00	0.000	1.0	0.000	0.000	0.000
AFTER	0.000		494.049		0.000		99.049		0.00	3.846	1.0	0.000	380.977	380.977
TOTAL	0.000		494.049		0.000		99.049		0.00	3.846	1.0	0.000	380.977	380.977

--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	TOTAL EQUITY	CASH BTAX,	FLOW M\$	CUM. BTAX,	DISC M\$
01-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
02-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
03-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
04-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
05-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
06-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
07-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
08-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
09-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
10-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
11-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
12-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
01-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
02-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
03-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
04-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
05-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
06-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
07-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
08-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
S TOT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
AFTER	41.568	66.321	0.000	273.088	62.331	249.325	0.000	311.656	-38.568		-84.089	
TOTAL	41.568	66.321	0.000	273.088	62.331	249.325	0.000	311.656	-38.568		-84.089	


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Date: 06/17/2010
Time: 16:53:22
DBS: SJB
Settings: SETDATA_JCM
Scenario: SJB-OP-PostAudit
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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	10/2008										
401 GAS	350.00	10.00 M/D	X	YRS	EXP	21.00	526.469	10/2023	21.0000	10646.	304.
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 4.629	#/M						12/2009			
509 "	01/2010 5.72 5.32 4.64 5.75	#/M						4/2010			
510 "	X 5.75 5.75 5.75 5.75	#/M						8/2010			
511 "	5.27	X \$/M	TO	LIFE	PC	0.00		10/2023		5.270	5.270
600 ATX	2.10	X %	TO	LIFE	PC	0.00		10/2023		0.021	0.021
601 STX/GAS	9.00	X %	TO	LIFE	PC	0.00		10/2023		0.090	0.090
602 OPC/T	1975.00	X \$/M	TO	LIFE	PC	0.00		10/2023		1975.000	1975.000
705 LSE/WI	0.2300	D FRAC	TO	LIFE	FLAT	0.00		10/2023		0.230	0.230
720 NET/OIL	0.2013	D FRAC	TO	LIFE	FLAT	0.00		10/2023		0.201	0.201
740 NET/GAS	0.2013	D FRAC	TO	LIFE	FLAT	0.00		10/2023		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		10/2023			
903 S /89	0.48	X	FRAC	TO	LIFE	MUL	92.00		10/2023			
905 S /89	0.95	X	FRAC	TO	LIFE	MUL	89.00		10/2023			
907 S /196	S/196	X	FRAC	TO	LIFE	MINUS	89.00		10/2023			
909 S /92	S/95	X	FRAC	TO	LIFE	DIV	146.00		10/2023			
911 S /88	0.06	X	FRAC	TO	LIFE	MUL	92.00		10/2023			
913 S /88	1.00	X	FRAC	TO	LIFE	MINUS	88.00		10/2023			
915 S /196	S/196	X	FRAC	TO	LIFE	MUL	88.00		10/2023			

[illegible]

INVESTMENTS	Tangible Intang Units		Invest. Point	Method & Value	Total T&I	Month	Risk Inv.	Tot. T&I&R	Esc. T&I&R
800 CAPITAL	271.01	1084.02 MSG	10/2008 AD	ESC INV	1355.026	10/2008	0	1355.0	0.0

MISCELLANEOUS DATA PARAMETERS

201 BTU	0.95			
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.   : 01/2000   Time Frames : 64*12
P.W. Date   : 01/2007   Primary PW# : 8.0       Discount Freq. : MID
Report Date  : 01/2007
Qualifiers  : Prod = SJ_OP_POST   Price = SJ_OP_POST   Cost = SJ_OP_POST   Owner = SJ_OP_POST
              Title = BASE         Misc = BASE           Invest = SJ_OP_POST Overlay = SJ_OP_POST

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PropID: 4393 RSV CAT: 1PDP
 Well Name: ROSA UNIT #378
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 Operator: WPC

DATE : 06/17/2010
 TIME : 16:53:22
 DBS : SJB
 SETTINGS : SETDATA_JCM
 SCENARIO : SJB-OP-PostAudit

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

EFFECTIVE DATE: 01/2007

--END-- MO-YEAR	TAXABLE CASH FLOW M\$-----	DEPRECI- ATION 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\$-----
01-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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
01-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S TOT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
AFTER	273.088	62.331	0.000	249.325	0.000	-38.568	0.000	-13.499	-25.069	-57.966
TOTAL	273.088	62.331	0.000	249.325	0.000	-38.568	0.000	-13.499	-25.069	-57.966

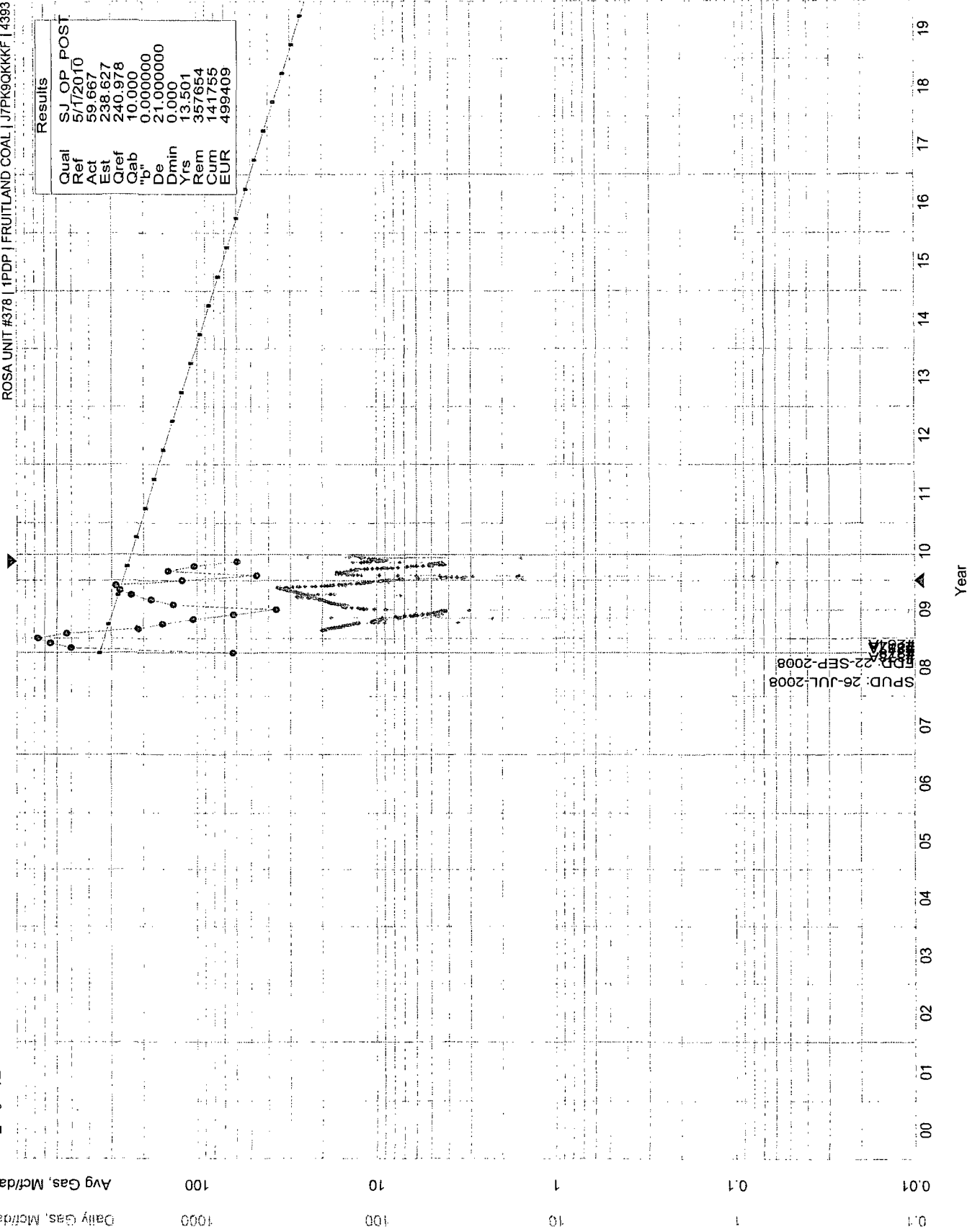
PRESENT WORTH PROFILE AND				RATE-OF-RETURN VS. BONUS TABLE			
BTAX RATE OF RETURN (PCT)		ATAx RATE OF RETURN (PCT)		P.W.	B.F.I.T.	A.F.I.T.	A.F.I.T.
BTAX PAYOUT YEARS		ATAx PAY OUT YEARS		FACTOR	WORTH	WORTH	BONUS
BTAX PAYOUT YEARS (DISC)		ATAx PAY OUT YEARS (DISC)		%-----	M\$-----	M\$-----	M\$-----
BTAX NET INCOME/INVEST		ATAx NET INCOME/INVEST		0.00	-38.6	-25.1	-38.6
BTAX NET INCOME/INVEST(DISC)		ATAx NET INCOME/INVEST(DISC)		2.00	-53.7	-35.9	-52.5
PRODUCTION START DATE		PROJECT LIFE (YEARS)		5.00	-71.2	-48.6	-66.8
		DISCOUNT - RATE (PCT)		8.00	-84.1	-58.0	-76.1
INITIAL OIL PRICE (\$/B)		INITIAL GAS PRICE (\$/M)		10.00	-90.6	-62.8	-80.3
MAXIMUM OIL PRICE (\$/B)		MAXIMUM GAS PRICE (\$/M)		12.00	-95.9	-66.6	-83.4
GROSS OIL WELLS		GROSS GAS WELLS		15.00	-101.7	-71.0	-86.5
				18.00	-105.7	-74.0	-88.2
CUMULATIVE OIL (MBBL)		CUMULATIVE GAS (MMF)		20.00	-107.6	-75.4	-88.7
REMAINING OIL (MBBL)		REMAINING GAS (MMCF)		25.00	-110.1	-77.5	-88.8
ULTIMATE OIL (MBBL)		ULTIMATE GAS (MMCF)		30.00	-110.4	-77.9	-87.5
				35.00	-109.2	-77.3	-85.4
INITIAL WI (PCT)		FINAL WI (PCT)		40.00	-107.2	-76.0	-83.0
INITIAL NET OIL (PCT)		FINAL NET OIL (PCT)		45.00	-104.6	-74.3	-80.3
INITIAL NET GAS (PCT)		FINAL NET GAS (PCT)		50.00	-101.6	-72.3	-77.4

SUB_AvgDay_Gas

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

ROSA UNIT #378 | 1PDP | FRUITLAND COAL | J7PK9QKKF | 4393

Results	
Qual	SJ_OP_POST
Ref	5/1/2010
Act	59.667
Est	238.627
Qref	240.978
Qab	10.000
"b"	0.000000
De	21.000000
Dmin	0.000
Yrs	13.501
Rem	357654
Cum	141755
EUR	499409



**ROSA UNIT #378
BASIN FRUITLAND COAL**

Surface Location:

2060' FNL and 1945' FEL
SW/4 NE/4 Sec 27 (G), T31N, R5W
Rio Arriba, NM

Bottom Hole Location:

1601' FNL and 935' FEL
SE/4 NE/4 Sec 27 (H), T31N, R5W
Rio Arriba, NM

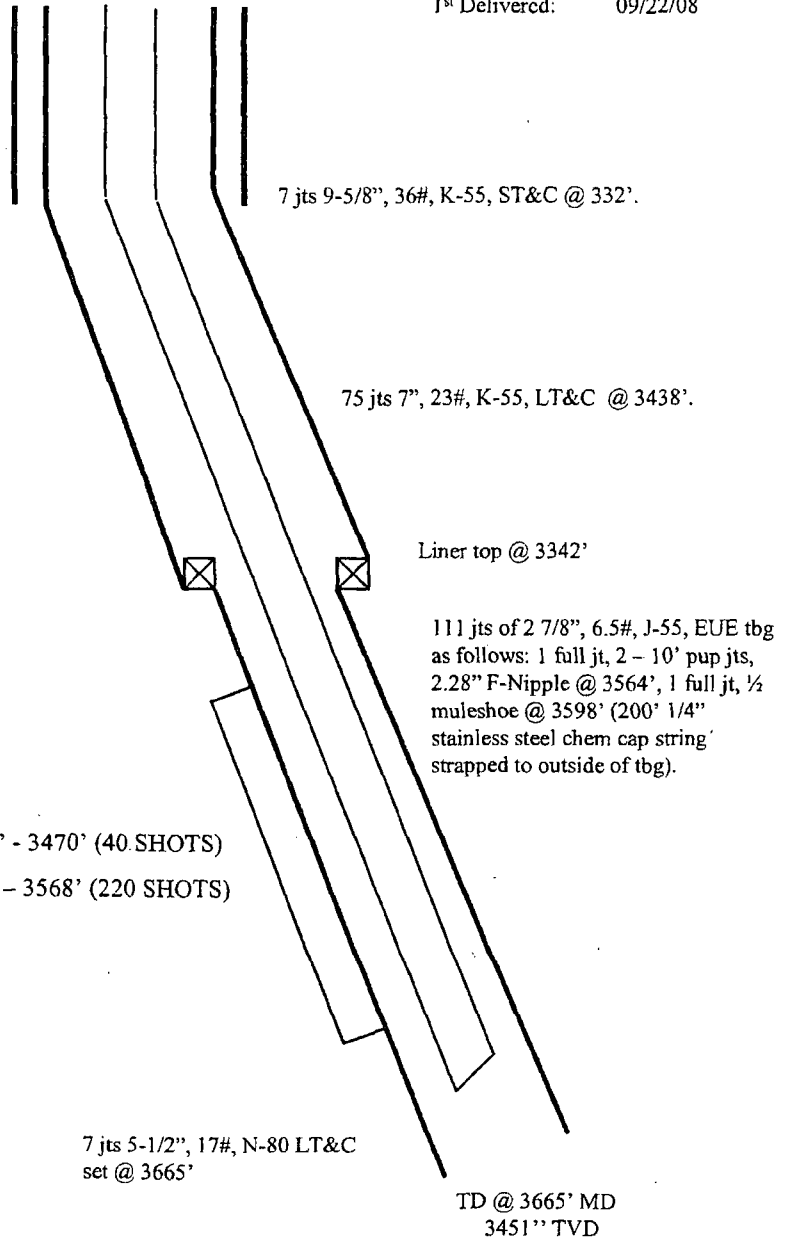
Elevation: 6511' GR
API # 30-039-30410

Spud: 07/26/08

Completed: 09/16/08

1st Delivered: 09/22/08

Top	MD Depth	TVD Depth
Ojo Alamo	2810'	2660'
Kirtland	2930'	2770'
Fruitland	3332'	3140'



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#	490 sxs	998 cu.ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

Blm. appul

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

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

Rosa Unit

Report to lease

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #378

9 API WELL NO.

30-039-30410-0051

10. FIELD AND POOL, OR WILDCAT
Basin Fruitland Coal

11 SEC, T, R, M, OR BLOCK AND
SURVEY OR AREA
SEC 27-31N-5W

12. COUNTY OR 13 STATE
Rio Arriba New Mexico

19 ELEVATION CASINGHEAD

25 WAS DIRECTIONAL SURVEY MADE
YES

27 WAS WELL CORED
NO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL T 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: 2060' FNL & 1945' FEL, Sec 27 (G), T31N, R5W
At top production interval reported below: 1601' FNL & 935' FEL, Sec 27 (H), T31N, R5W
At total depth: Same

15 DATE SPUNDED 16 DATE T D REACHED 17 DATE COMPLETED (READY TO PRODUCE)
7-26-08 8-24-08 9-16-08

14 PERMIT NO DATE ISSUED
6511' GR

20 TOTAL DEPTH, MD & TVD 21 PLUG, BACK T D, MD & TVD
3665' MD / 3451' TVD 3665' MD / 3451' 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 3460' - 3568' MD / 3258' - 3358' TVD

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#	332'	12-1/4"	150 SX - SURFACE	
7", K-55	23.0#	3438'	8-3/4"	490 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	3342'	3665'	0 SX		2-7/8", 6.5#, J-55	3637'	

31 PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal - 3460' - 3568' MD

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
Well was not fraced or acidized

RCVD SEP 24 '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
9-12-08	1 hr	2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0 oz	19.0 oz				673 mc/d		

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

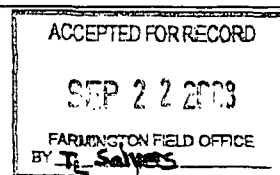
TEST WITNESSED BY: Al Rector

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

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

SIGNED Larry Higgins TITLE Drig COM DATE 9-18-08

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	2810'	2660'
					KIRTLAND	2930'	2770'
					FRUITLAND	3332'	3140'

May 20, 2010

The Rosa Unit #378A Fruitland Coal Well (non-commercial) is located 510 feet from the South Line and 2225 feet from the East Line, Section 27 Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on July 3, 2008, and completed in the Fruitland Coal formation on August 21, 2008. The Fruitland Coal formation was completed with a pre-perforated liner between the following depths: 3535' to X3650'. This well has a 2 7/8" tubing string. This well was shut in with a SICP of 103 psig. On August 18, 2008 the well was tested and after flowing for 1 hour through a 2" choke on the 2 7/8" tubing, the well gauged 565 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 black ink, reading "Marcia Brueggenjohann", is written over a horizontal line.

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

ROSA UNIT #378A | 1PDP | FRUITLAND COAL | J7PK9Q9LMF | 4396
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 0	SJ_OP_POST
START 08/2008	SJ_OP_POST
GAS 160 400 M/D 05/2009 AD EXP X	SJ_OP_POST
" X X M/M 4 MOS FLAT 0	SJ_OP_POST
" X X M/D 30 YRS EXP 26	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/GAS 9 X % TO LIFE PC 0	SJ_OP_POST
OPC/T 2000 X \$/M TO LIFE PC 0	SJ_OP_POST

Ownership

NET 0.23 0.20125 0.20125 FRAC	SJ_OP_POST
-------------------------------	------------

Investments

CAPITAL 313.253 1253.010 M\$G 09/2008 AD ESC INV	SJ_OP_POST
--	------------

Overlays

SIDFILE RI_TOTAL_BR	SJ_OP_POST
LOAD MP.GAS GAS 01/2007 03/2010 #	SJ_OP_POST

PropID: 4396 RSV CAT: 1PDP
 Well Name: ROSA UNIT #378A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 Operator: WPC

DATE : 05/23/2010
 TIME : 14:38:09
 DBS : SJB
 SETTINGS : SETDATA_JM
 SCENARIO : SJB-OP-PostAudit

RESERVES AND ECONOMICS

EFFECTIVE DATE: 01/2010

--END-- MO-YEAR	---GROSS PRODUCTION---				---NET PRODUCTION---				-----PRICES-----		NO. OF WELLS	-----OPERATIONS, M\$-----		
	OIL, MMBL	GAS, MMBL	MMCF		OIL, MMBL	GAS, MMBL	MMCF		OIL \$/B	GAS \$/M		OIL REVENUE	GAS REVENUE	TOTAL REVENUE
12-2010	0.000	91.398			0.000	18.394			0.00	3.232	1.0	0.000	59.445	59.445
12-2011	0.000	67.325			0.000	13.549			0.00	2.873	1.0	0.000	38.923	38.923
12-2012	0.000	49.820			0.000	10.026			0.00	2.873	1.0	0.000	28.803	28.803
12-2013	0.000	36.867			0.000	7.419			0.00	2.873	1.0	0.000	21.314	21.314
12-2014	0.000	27.282			0.000	5.490			0.00	2.873	1.0	0.000	15.773	15.773
12-2015	0.000	20.188			0.000	4.063			0.00	2.873	1.0	0.000	11.672	11.672
12-2016	0.000	14.939			0.000	3.007			0.00	2.873	1.0	0.000	8.637	8.637
12-2017	0.000	6.849			0.000	1.378			0.00	2.873	1.0	0.000	3.960	3.960
12-2018														
12-2019														
12-2020														
12-2021														
12-2022														
12-2023														
12-2024														
12-2025														
12-2026														
12-2027														
12-2028														
12-2029														
S TOT	0.000	314.669			0.000	63.327			0.00	2.977	1.0	0.000	188.528	188.528
AFTER	0.000	0.000			0.000	0.000			0.00	0.000	1.0	0.000	0.000	0.000
TOTAL	0.000	314.669			0.000	63.327			0.00	2.977	1.0	0.000	188.528	188.528

--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 FLOW BTAX, M\$	CUM. DISC BTAX, M\$
12-2010	6.486	5.520	0.000	47.439	0.000	0.000	0.000	0.000	47.439	45.649
12-2011	4.247	5.520	0.000	29.156	0.000	0.000	0.000	0.000	29.156	71.626
12-2012	3.143	5.520	0.000	20.141	0.000	0.000	0.000	0.000	20.141	88.241
12-2013	2.326	5.520	0.000	13.469	0.000	0.000	0.000	0.000	13.469	98.530
12-2014	1.721	5.520	0.000	8.532	0.000	0.000	0.000	0.000	8.532	104.564
12-2015	1.274	5.520	0.000	4.878	0.000	0.000	0.000	0.000	4.878	107.759
12-2016	0.942	5.520	0.000	2.175	0.000	0.000	0.000	0.000	2.175	109.078
12-2017	0.432	3.220	0.000	0.308	0.000	0.000	0.000	0.000	0.308	109.253
12-2018										
12-2019										
12-2020										
12-2021										
12-2022										
12-2023										
12-2024										
12-2025										
12-2026										
12-2027										
12-2028										
12-2029										
S TOT	20.570	41.860	0.000	126.097	0.000	0.000	0.000	0.000	126.097	109.253
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	109.253
TOTAL	20.570	41.860	0.000	126.097	0.000	0.000	0.000	0.000	126.097	109.253

PropID: 4396 RSV CAT: 1PDP
 Well Name: ROSA UNIT #378A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 Operator: WPC

Date: 05/23/2010
 Time: 14:38:09
 DBS: SJB
 Settings: SETDATA_JM
 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	08/2008										
401 GAS	160.00	400.00	M/D	05/2009	AD	EXP	X	71.702	4/2009	-239.3022	4867.
402 "	X	X	M/M	4.00	MOS	FLAT	0.00	71.702	4/2009		12167.
403 "	X	X	M/D	30.00	YRS	EXP	26.00	556.510	7/2038	26.0000	12167.
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	4.629	#/M			12/2009		
509 "	01/2010	5.72	5.32	4.64	3.77	#/M			4/2010		
510 "	3.80	X	\$/M	TO	LIFE	PC	0.00		7/2038		3.800
600 ATX	2.10	X	%	TO	LIFE	PC	0.00		7/2038		0.021
601 STX/GAS	9.00	X	%	TO	LIFE	PC	0.00		7/2038		0.090
602 OPC/T	2000.00	X	\$/M	TO	LIFE	PC	0.00		7/2038		2000.000
705 LSE/WI	0.2300	D	FRAC	TO	LIFE	FLAT	0.00		7/2038		0.230
720 NET/OIL	0.2013	D	FRAC	TO	LIFE	FLAT	0.00		7/2038		0.201
740 NET/GAS	0.2013	D	FRAC	TO	LIFE	FLAT	0.00		7/2038		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		7/2038		
903 S /89	0.48	X	FRAC	TO	LIFE	MUL	92.00		7/2038		
905 S /89	0.95	X	FRAC	TO	LIFE	MUL	89.00		7/2038		
907 S /196	S/196	X	FRAC	TO	LIFE	MINUS	89.00		7/2038		
909 S /88	0.06	X	FRAC	TO	LIFE	MUL	92.00		7/2038		
911 S /88	1.00	X	FRAC	TO	LIFE	MINUS	88.00		7/2038		
913 S /196	S/196	X	FRAC	TO	LIFE	MUL	88.00		7/2038		
914 GAS	01/2007	0.00	0.00	0.00	0.00	#		0.000	4/2008		
915 "	X	0.00	1244	9744	5979	1878	6894	7703	8388.999	10489	#
916 "	X	10987.997	12150.002	11990.001	12319	11860.998	#	111.628	8/2009		
917 "	X	10580.996	10345.003	9472.002	9705.996	9370	8175.997	#	169.278	2/2010	
INVESTMENTS	Tangible Intang Units			Invest. Point		Method & Value		Total T&I	Month	Risk Inv.	Tot. T&I&R
800 CAPITAL	313.25	1253.01	M&G	09/2008	AD	ESC	INV	1566.263	9/2008	0	1566.2

MISCELLANEOUS DATA PARAMETERS

201 BTU 0.95
 202 WELLS 0.00 1.00
 203 CUMO, ME 0.00 CUMG, MMF 0.00 CUML, ME
 250 LOSS NO

PROJECT RUN SETTINGS

Base Date : 01/2000 Time Frames : 12,89*12
 P.W. Date : 01/2010 Primary PW% : 8.0 Discount Freq. : MID
 Report Date : 01/2010
 Qualifiers : Prod = SJ_OP_POST Price = SJ_OP_POST Cost = SJ_OP_POST Owner = SJ_OP_POST
 Title = BASE Misc = BASE Invest = SJ_OP_POST Overlay = SJ_OP_POST

PropID: 4396 RSV CAT: 1PDP
 Well Name: ROSA UNIT #378A
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: FRUITLAND COAL
 Operator: WPC

DATE : 05/23/2010
 TIME : 14:38:09
 DBS : SJB
 SETTINGS : SETDATA_JM
 SCENARIO : SJB-OP-PostAudit

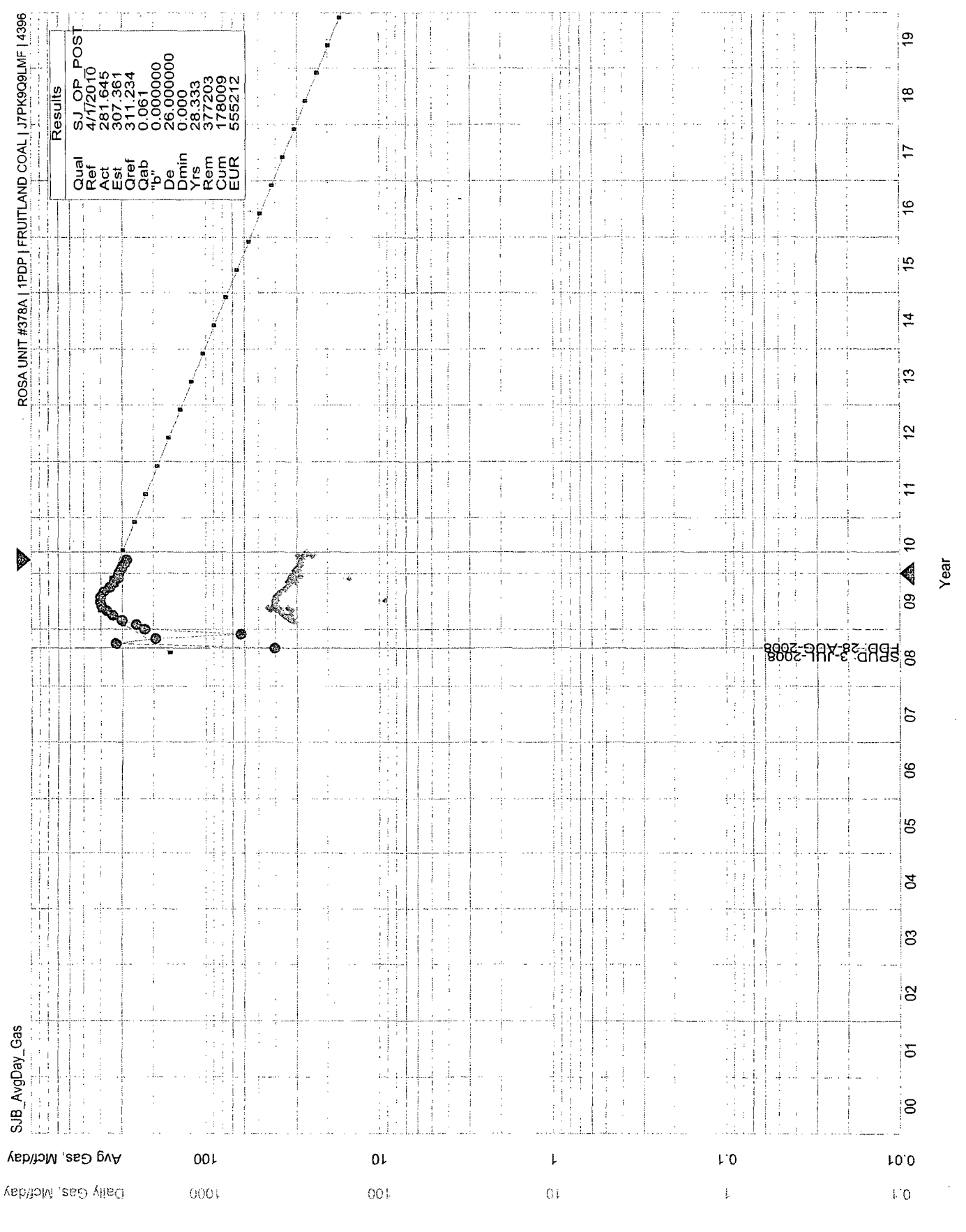
A F T E R T A X E C O N O M I C S

EFFECTIVE DATE: 01/2010

--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\$-----
12-2010	47.439	12.601	0.000	0.000	0.000	34.838	0.000	13.587	33.852	32.575
12-2011	29.156	8.999	0.000	0.000	0.000	20.158	0.000	7.861	21.295	51.548
12-2012	20.141	6.434	0.000	0.000	0.000	13.707	0.000	5.346	14.795	63.753
12-2013	13.469	6.434	0.000	0.000	0.000	7.035	0.000	2.744	10.725	71.946
12-2014	8.532	6.434	0.000	0.000	0.000	2.098	0.000	0.818	7.714	77.401
12-2015	4.878	3.213	0.000	0.000	0.000	1.665	0.000	0.649	4.229	80.171
12-2016	2.175	0.000	0.000	0.000	0.000	2.175	0.000	0.848	1.327	80.975
12-2017	0.308	0.000	0.000	0.000	0.000	0.308	0.000	0.120	0.188	81.082
12-2018										
12-2019										
12-2020										
12-2021										
12-2022										
12-2023										
12-2024										
12-2025										
12-2026										
12-2027										
12-2028										
12-2029										
S TOT	126.097	44.115	0.000	0.000	0.000	81.982	0.000	31.973	94.124	81.082
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	81.082
TOTAL	126.097	44.115	0.000	0.000	0.000	81.982	0.000	31.973	94.124	81.082

BTAX RATE OF RETURN (PCT)	100.00	ATA	ATA	ATA	ATA
BTAX PAYOUT YEARS	0.00	ATA	ATA	ATA	ATA
BTAX PAYOUT YEARS (DISC)	0.00	ATA	ATA	ATA	ATA
BTAX NET INCOME/INVEST	0.00	ATA	ATA	ATA	ATA
BTAX NET INCOME/INVEST(DISC)	0.00	ATA	ATA	ATA	ATA
PRODUCTION START DATE	08/2008	PROJECT LIFE (YEARS)	7.58		
		DISCOUNT - RATE (PCT)	8.00		
INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	6.266		
MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	2.873		
GROSS OIL WELLS	0.	GROSS GAS WELLS	1.		
CUMULATIVE OIL (MBBL)	0.000	CUMULATIVE GAS (MMF)	151.732		
REMAINING OIL (MBBL)	0.000	REMAINING GAS (MMCF)	314.669		
ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	466.401		
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.	B.F.I.T.	A.F.I.T.	A.F.I.T.
FACTOR	WORTH	WORTH	BONUS
%-----	M\$-----	M\$-----	M\$-----
0.00	126.1	94.1	154.3
5.00	115.0	85.5	130.9
8.00	109.3	81.1	120.2
15.00	98.1	72.5	101.4
18.00	94.1	69.4	95.2
20.00	91.7	67.5	91.5
25.00	86.1	63.3	83.6
30.00	81.3	59.7	77.2
40.00	73.4	53.7	67.2
40.00	73.4	53.7	67.2
50.00	67.2	49.0	59.8
50.00	67.2	49.0	59.8
60.00	62.2	45.2	54.2
80.00	54.6	39.6	46.2
100.00	49.1	35.5	40.6



SJB_AvgDay_Gas

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

Year

FBP 28 JUL 2008

RCVD AUG 27 '08

OIL CONS. DIV.

DIST. 3

ROSA UNIT #378A
BASIN FRUITLAND COAL

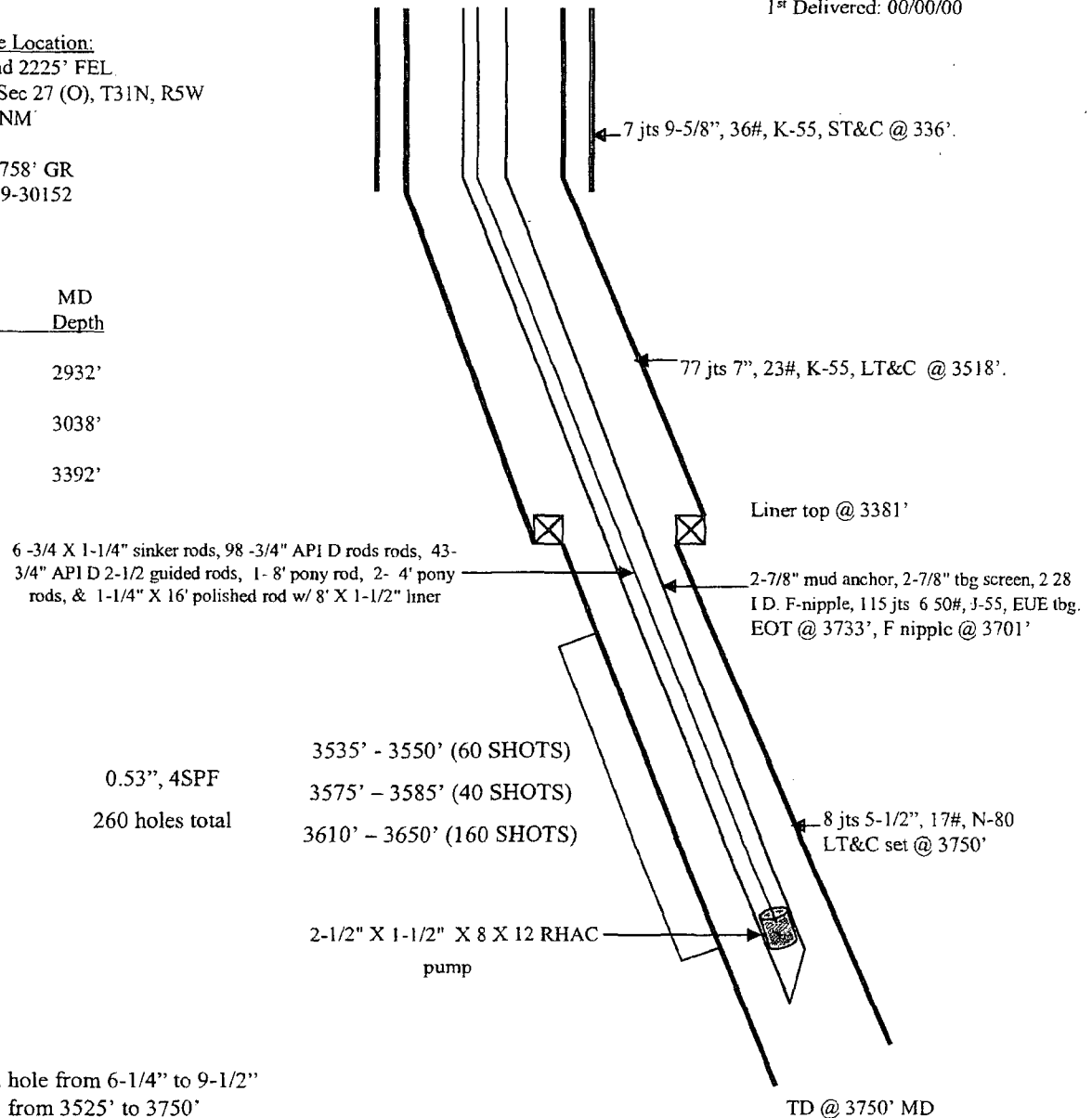
Surface Location:
510' FSL and 2225' FEL
SW/4 SE/4 Sec 27 (O), T31N, R5W
Rio Arriba, NM

Spud: 07/3/08
Completed: 08/21/08
1st Delivered: 00/00/00

Bottom Hole Location:
990' FSL and 2225' FEL
SW/4 SE/4 Sec 27 (O), T31N, R5W
Rio Arriba, NM

Elevation: 6758' GR
API # 30-039-30152

Top	MD Depth
Ojo Alamo	2932'
Kirtland	3038'
Fruitland	3392'



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	200 sxs	278 cu.ft.	Surface
8-3/4"	7", 23#	525 sxs	1075 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 - 039-30152	⁵ Pool Name Basin Fruitland Coal	⁶ Pool Code 71629
⁷ Property Code 17033	⁸ Property Name Rosa Unit	⁹ Well Number 378A

II. ¹⁰ Surface Location

Ul or lot no. O	Section 27	Township 31N	Range 5W	Lot Idn	Feet from the 510	South Line	Feet from the 2225	East line	County Rio Arriba
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¹¹ Bottom Hole Location

Ul or lot no. O	Section 27	Township 31N	Range 5W	Lot Idn	Feet from the 998 1021	South line	Feet from the 2225	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 AUG 27 '08
		OIL CONS. DIV.

DIST. 3

IV. Well Completion Data

²¹ Spud Date 7-3-08	²² Ready Date 8-21-08	²³ TD 3750'	²⁴ PBDT 3750'	²⁵ Perforations 3535' - 3650'	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'	200 sx - surface		
8-3/4"	7", 23#, K-55	3518'	525 sx - surface		
6-1/4"	5-1/2", 17#, N-80	3750'	No Cement		
	2-7/8", 6.5#, J-55	3733'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date N/A	³³ Test Date 8-18-08	³⁴ Test Length 1 hr	³⁵ Tbg. Pressure 00	³⁶ Csg. Pressure 13 oz
³⁷ Choke Size 2"	³⁸ Oil	³⁹ Water	⁴⁰ Gas 565 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 9/9/08 OIL CONSERVATION DIVISION Approved by: <i>Charles R. 9-10-08</i> Title: SUPERVISOR DISTRICT # 3 Approval Date: SEP 10 2008
Printed name: Larry Higgins		
Title: Drilling COM		
E-mail Address: larry.higgins@williams.com		
Date: 8-25-08	Phone: (505)634-4208	<i>Bohm approval</i>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN
DUPLICATE
RECEIVED
(See other instructions on
reverse side)
AUG 26 2008

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

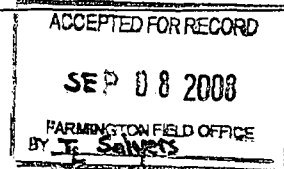
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a TYPE OF WELL ☐ OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER				7 UNIT AGREEMENT NAME Rosa Unit			
b TYPE OF COMPLETION ☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER				Report to lease			
2 NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY				8 FARM OR LEASE NAME, WELL NO Rosa Unit #378A			
3 ADDRESS AND TELEPHONE NO P O. Box 640, Aztec, NM 87410 (505) 634-4208				9 API WELL NO 30-039-30152-0051			
4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface 510' FSL & 2225' FEL, Sec 27 (O), T31N, R5W At top production interval reported below : 990' FSL & 2225' FEL, Sec 27 (O), T31N, R5W At total depth: Same 1021				10 FIELD AND POOL, OR WILDCAT Basin Fruitland Coal			
				11 SEC, T, R, M, OR BLOCK AND SURVEY OR AREA SEC 27-31N-5W			
				12 COUNTY OR Rio Arriba		13 STATE New Mexico	
15 DATE SPUDDED 7-3-08		16 DATE T D REACHED 7-25-08		17 DATE COMPLETED (READY TO PRODUCE) 8-21-08		18 ELEVATIONS (DK, RKB, RT, GR, ETC)* 6758' GR	
20 TOTAL DEPTH, MD & TVD 3750' MD		21 PLUG, BACK T D, MD & TVD 3750' 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 3535' - 3650'				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	
9-5/8", K-55		36.0#		336'		12-1/4"	
7", K-55		23.0#		3518'		8-3/4"	
29 LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
5-1/2", 17#, N-80		3381'		3750'		0 SX ☒	
30 TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
2-7/8", 6.5#, J-55		3733'				0 SX ☒	
31 PERFORATION RECORD (Interval, size, and number)							
Basin Fruitland Coal - 3535' - 3650'							
32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
				Well was not fraced or acidized ☒			
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 tie-in	
DATE OF TEST		TESTED		CHOKE SIZE		PRD'N FOR TEST PERIOD	
8-18-08		1 hr		2"			
FLOW TBG PRESS		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL - BBL	
0 oz		130 oz				GAS - MCF 565 mcf/d ☒	
34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc) TO BE SOLD						TEST WITNESSED BY Al Rector	
35 LIST OF ATTACHMENTS SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM							
36 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							

SIGNED Larry Higgins TITLE Drig COM DATE 8-25-08

NMOCD

8/9/08



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		2932'	2897'
				KIRTLAND		3038'	3002'
				FRUITLAND		3392'	3352'