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2011 APR -5 A 12:52

March 28, 2011

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

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

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

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

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement I Sec. No. 587, Williams Production Company, LLC, as Unit Operator, has determined that the Rosa Unit #72B and #145D are not capable of producing unitized substances in paying quantities from the Dakota Formation.

WELLDATA

The ROSA Unit #72B DAKOTA Formation Well (non-commercial) is located 2260 feet from the South Line and 660 feet from the East Line, Section 6 Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on April 7, 2009 and completed in the Dakota formation on May 14, 2009. The Dakota formation was completed with a pre-perforated liner between the following depths: 8405' to 8517'. This well has a 2.375" tubing string. This well was shut in with a SICP of 8 psig. On May 13, 2009 the well was tested and after flowing for 1 hour through a 2" choke on the 2.375" tubing, the well gauged 400 MCFD.

8405' to 8517'

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 #145D DAKOTA Formation Well (non-commercial) is located 610 feet from the North Line and 610 feet from the East Line, Section 16 Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spud on September 17, 2009 and completed in the Dakota formation on November 5, 2009. The Dakota formation was completed with a pre-perforated liner between the following depths: 8098' to 8235'. This well has a 2.375" tubing string. This well was shut in with a SICP of 580 psig. On November 5, 2009 the well was tested and after flowing for 2 hours through a 1/2" choke on the 2.375" tubing, the well gauged 834 MCFD.

8098' to 8235'

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.

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Kris Russell".

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

APPROVED _____ DATE _____

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

APPROVED _____ DATE _____

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

APPROVED _____ DATE _____

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

The forgoing is the approval of Notice of Completion of non-commercial wells Rosa #72B and Rosa #145D Dakota formation wells.

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 28, 2011

The ROSA Unit #72B DAKOTA Formation Well (non-commercial) is located 2260 feet from the South Line and 660 feet from the East Line, Section 6 Township 31 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spud on April 7, 2009 and completed in the Dakota formation on May 14, 2009. The Dakota formation was completed with a pre-perforated liner between the following depths: 8405' to 8517'. This well has a 2.375" tubing string. This well was shut in with a SICP of 8 psig. On May 13, 2009 the well was tested and after flowing for 1 hour through a 2" choke on the 2.375" tubing, the well gauged 400 MCFD.

Based on the historic and projected production, the lease operating expenses, and the gas price, this well is expected to have a Before Tax Rate of Return (BTAXROR) of 0.00% and is therefore determined non-commercial.

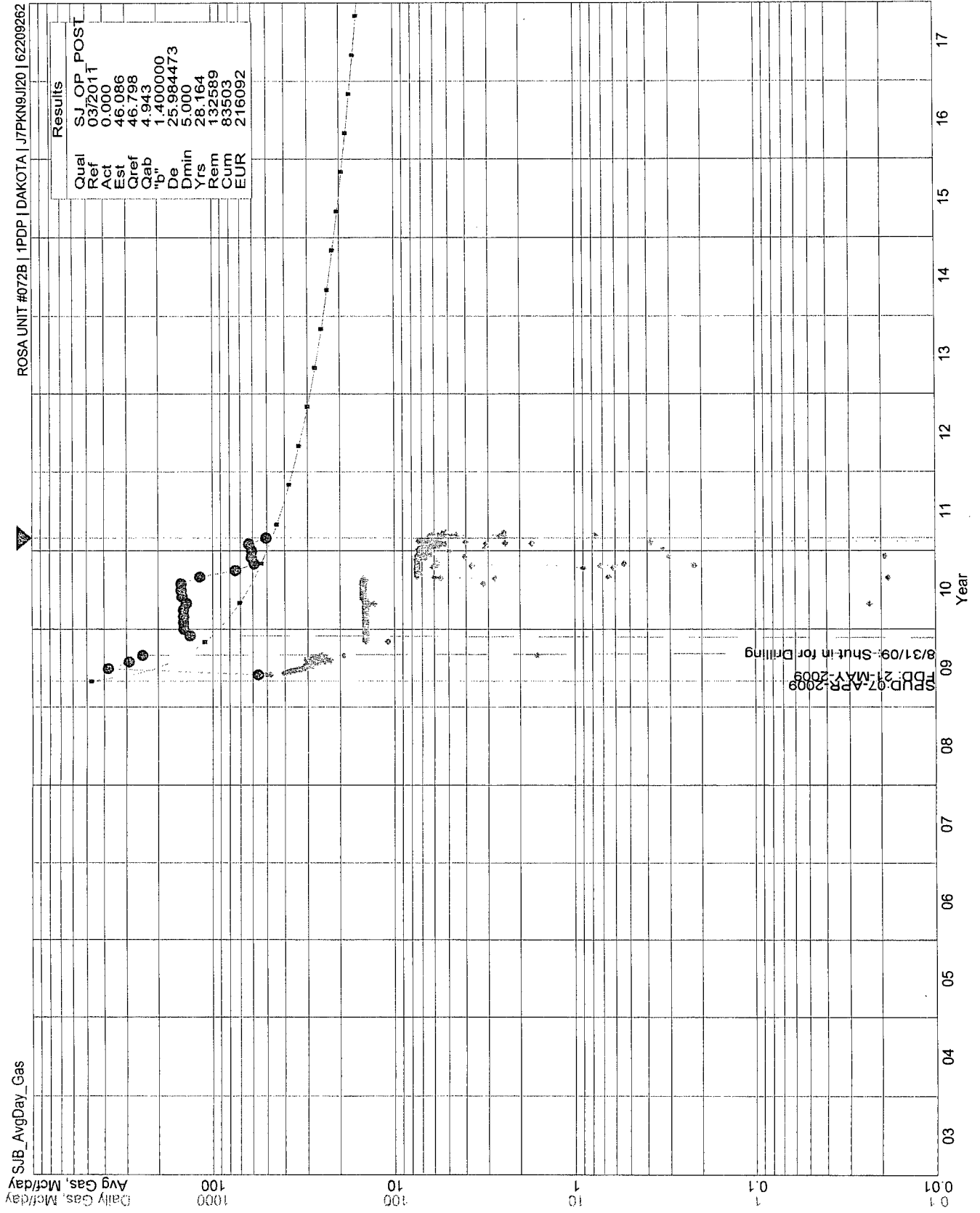
Attached to this document are the following:

- 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



ROSA UNIT #072B | 1PDP | DAKOTA | J7PKN9JI20 | 62209262
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 05/2009	SJ_OP_POST
GAS 470 X M/D 5 EXP B/1.4 85	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

STX/GAS 3.75 X % TO LIFE PC 0	SJ_OP_POST
OPC/T 700 X \$/M TO LIFE PC 0	SJ_OP_POST
ATX 4.6933 X % TO LIFE PC 0	SJ_OP_POST
OPC/T @M.LIFTING_COST 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 414.79304 467.07921 M\$G 02/2009 AD ESC INV	SJ_OP_POST
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Overlays

SIDFILE RI_TOTAL_BR	SJ_OP_POST
LOAD MP.GAS GAS 01/2009 02/2011 #	SJ_OP_POST

PropID: 22718 RSV CAT: 1PDP
 Well Name: ROSA UNIT #072B
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: DAKOTA
 Operator: WPC

Date: 03/27/2011
 Time: 15:32:13
 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	05/2009										
401 GAS	470.00	X	M/D	5.00	EXP	B/1.4	85.00	155.923	2/2023	85.0000	14296.
402 "	X	X	M/D	30.00	YRS	EXP	5.00	201.355	4/2039	5.0000	345.
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	4/2039	5.750	5.750
600 STX/GAS	3.75	X	%	TO	LIFE	PC	0.00		4/2039	0.037	0.037
601 OPC/T	700.00	X	\$/M	TO	LIFE	PC	0.00		4/2039	700.000	700.000
602 ATX	4.69	X	%	TO	LIFE	PC	0.00		4/2039	0.047	0.047
603 OPC/T	322.00	X	\$/M	TO	LIFE	PC	0.00		4/2039	322.000	700.000
705 LSE/WI	1.0000	D	FRAC	TO	LIFE	FLAT	0.00		4/2039	1.000	1.000
720 NET/OIL	0.8650	D	FRAC	TO	LIFE	FLAT	0.00		4/2039	0.865	0.865
740 NET/GAS	0.8650	D	FRAC	TO	LIFE	FLAT	0.00		4/2039	0.865	0.865
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	4/2039			
903 S /89	0.49	X	FRAC	TO	LIFE	MUL	92.00	4/2039			
905 S /89	0.99	X	FRAC	TO	LIFE	MUL	89.00	4/2039			
907 S /196	S/196	X	FRAC	TO	LIFE	MINUS	89.00	4/2039			
909 S /88	0.06	X	FRAC	TO	LIFE	MUL	92.00	4/2039			
911 S /88	1.00	X	FRAC	TO	LIFE	MINUS	88.00	4/2039			
913 S /196	S/196	X	FRAC	TO	LIFE	MUL	88.00	4/2039			
914 GAS	01/2009	0	0	0	1728	11318	8950	7536	0	0	3985.44 #
915 "	X	4459.44	4474.08	4039.44	4479.84	4166.16	4556.16	#	59.693	5/2010	
916 "	X	4463.52	4617.84	3630.47	2229.12	1816.2	1822.2	#	78.272	11/2010	
917 "	X	1873.8	1946.4	#					82.092	1/2011	
INVESTMENTS	Tangible Intang Units			Invest. Point		Method & Value		Total T&I	Month	Risk Inv.	Tot. T&I&R
800 CAPITAL	414.79	467.08	M\$G	02/2009	AD	ESC INV		881.872	2/2009	0	881.8

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: 22718 RSV CAT: 1PDP
 Well Name: ROSA UNIT #072B
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: DAKOTA
 PostAudit
 Operator: WPC

DATE : 03/27/2011
 TIME : 15:32:13
 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,	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		0.000		0.000		0.000		0.00	0.000	0.0	0.000	0.000	0.000
12-2009	0.000		37.977		0.000		32.850		0.00	2.397	1.0	0.000	78.752	78.752
12-2010	0.000		42.169		0.000		36.476		0.00	3.584	1.0	0.000	130.721	130.721
12-2011	0.000		15.837		0.000		13.699		0.00	4.752	1.0	0.000	65.092	65.092
12-2012	0.000		11.757		0.000		10.170		0.00	4.752	1.0	0.000	48.325	48.325
12-2013	0.000		9.683		0.000		8.376		0.00	4.752	1.0	0.000	39.800	39.800
12-2014	0.000		8.317		0.000		7.194		0.00	4.752	1.0	0.000	34.182	34.182
12-2015	0.000		7.337		0.000		6.347		0.00	4.752	1.0	0.000	30.158	30.158
12-2016	0.000		6.596		0.000		5.706		0.00	4.752	1.0	0.000	27.112	27.112
12-2017	0.000		6.013		0.000		5.201		0.00	4.752	1.0	0.000	24.714	24.714
12-2018	0.000		5.540		0.000		4.792		0.00	4.752	1.0	0.000	22.769	22.769
12-2019	0.000		5.147		0.000		4.452		0.00	4.752	1.0	0.000	21.156	21.156
12-2020	0.000		4.815		0.000		4.165		0.00	4.752	1.0	0.000	19.792	19.792
12-2021	0.000		4.531		0.000		3.919		0.00	4.752	1.0	0.000	18.622	18.622
12-2022	0.000		4.283		0.000		3.705		0.00	4.752	1.0	0.000	17.606	17.606
12-2023	0.000		4.065		0.000		3.516		0.00	4.752	1.0	0.000	16.708	16.708
S TOT	0.000		174.068		0.000		150.569		0.00	3.955	1.0	0.000	595.509	595.509
AFTER	0.000		13.786		0.000		11.925		0.00	4.752	1.0	0.000	56.664	56.664
TOTAL	0.000		187.855		0.000		162.494		0.00	4.014	1.0	0.000	652.173	652.173

--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\$
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	6.511	8.176	0.000	64.065	414.793	467.079	0.000	881.872	-817.807	-735.145
12-2010	10.807	12.264	0.000	107.650	0.000	0.000	0.000	0.000	107.650	-648.586
12-2011	5.381	12.264	0.000	47.447	0.000	0.000	0.000	0.000	47.447	-613.261
12-2012	3.995	12.264	0.000	32.066	0.000	0.000	0.000	0.000	32.066	-591.156
12-2013	3.290	12.264	0.000	24.246	0.000	0.000	0.000	0.000	24.246	-575.679
12-2014	2.826	12.264	0.000	19.092	0.000	0.000	0.000	0.000	19.092	-564.395
12-2015	2.493	12.264	0.000	15.401	0.000	0.000	0.000	0.000	15.401	-555.967
12-2016	2.241	12.264	0.000	12.606	0.000	0.000	0.000	0.000	12.606	-549.580
12-2017	2.043	12.264	0.000	10.407	0.000	0.000	0.000	0.000	10.407	-544.697
12-2018	1.882	12.264	0.000	8.623	0.000	0.000	0.000	0.000	8.623	-540.951
12-2019	1.749	12.264	0.000	7.143	0.000	0.000	0.000	0.000	7.143	-538.078
12-2020	1.636	12.264	0.000	5.892	0.000	0.000	0.000	0.000	5.892	-535.884
12-2021	1.540	12.264	0.000	4.819	0.000	0.000	0.000	0.000	4.819	-534.222
12-2022	1.456	12.264	0.000	3.886	0.000	0.000	0.000	0.000	3.886	-532.981
12-2023	1.381	12.264	0.000	3.062	0.000	0.000	0.000	0.000	3.062	-532.075
S TOT	49.233	179.872	0.000	366.404	414.793	467.079	0.000	881.872	-515.468	-532.075
AFTER	4.685	47.012	0.000	4.967	0.000	0.000	0.000	0.000	4.967	-530.794
TOTAL	53.917	226.884	0.000	371.372	414.793	467.079	0.000	881.872	-510.500	-530.794

PropID: 22718 RSV CAT: 1PDP
 Well Name: ROSA UNIT #072B
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: DAKOTA
 PostAudit
 Operator: WPC

DATE : 03/27/2011
 TIME : 15:32:13
 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	DEPRECIATION	DEPLETION	INTANG. EXPENSE	INTEREST PAID & CAP	TAXABLE INCOME	TAX CREDIT	TAXES PAYABLE	CASH FLOW ATAX	8.0% CUM. DISC ATAX
MO-YEAR	CASH FLOW	TION	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	M\$-----	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-2009	64.065	93.135	0.000	467.079	0.000	-496.149	0.000	-173.652	-644.155	-584.344
12-2010	107.650	91.904	0.000	0.000	0.000	15.746	0.000	5.511	102.139	-502.216
12-2011	47.447	65.634	0.000	0.000	0.000	-18.187	0.000	-6.366	53.812	-462.152
12-2012	32.066	46.885	0.000	0.000	0.000	-14.820	0.000	-5.187	37.253	-436.471
12-2013	24.246	37.027	0.000	0.000	0.000	-12.781	0.000	-4.473	28.719	-418.139
12-2014	19.092	37.013	0.000	0.000	0.000	-17.921	0.000	-6.272	25.365	-403.148
12-2015	15.401	37.027	0.000	0.000	0.000	-21.627	0.000	-7.569	22.970	-390.578
12-2016	12.606	6.167	0.000	0.000	0.000	6.440	0.000	2.254	10.352	-385.332
12-2017	10.407	0.000	0.000	0.000	0.000	10.407	0.000	3.642	6.764	-382.159
12-2018	8.623	0.000	0.000	0.000	0.000	8.623	0.000	3.018	5.605	-379.724
12-2019	7.143	0.000	0.000	0.000	0.000	7.143	0.000	2.500	4.643	-377.857
12-2020	5.892	0.000	0.000	0.000	0.000	5.892	0.000	2.062	3.830	-376.430
12-2021	4.819	0.000	0.000	0.000	0.000	4.819	0.000	1.687	3.132	-375.350
12-2022	3.886	0.000	0.000	0.000	0.000	3.886	0.000	1.360	2.526	-374.543
12-2023	3.062	0.000	0.000	0.000	0.000	3.062	0.000	1.072	1.991	-373.955
S TOT	366.404	414.793	0.000	467.079	0.000	-515.468	0.000	-180.414	-335.054	-373.955
AFTER	4.967	0.000	0.000	0.000	0.000	4.967	0.000	1.739	3.229	-373.122
TOTAL	371.372	414.793	0.000	467.079	0.000	-510.500	0.000	-178.675	-331.825	-373.122
BTAX RATE OF RETURN (PCT)	0.00	ATAx RATE OF RETURN (PCT)	0.00	PRESENT WORTH PROFILE AND						
BTAX PAYOUT YEARS	20.17	ATAx PAY OUT YEARS	20.17	---- RATE-OF-RETURN VS. BONUS TABLE ----						
BTAX PAYOUT YEARS (DISC)	20.17	ATAx PAY OUT YEARS (DISC)	20.17	P.W.	B.F.I.T.	A.F.I.T.	A.F.I.T.			
BTAX NET INCOME/INVEST	0.42	ATAx NET INCOME/INVEST	0.62	FACTOR	WORTH	WORTH	BONUS			
BTAX NET INCOME/INVEST (DISC)	0.33	ATAx NET INCOME/INVEST (DISC)	0.53	%-----	M\$-----	M\$-----	M\$-----			
PRODUCTION START DATE	05/2009	PROJECT LIFE (YEARS)	20.17	0.00	-510.5	-331.8	-510.5			
		DISCOUNT - RATE (PCT)	8.00	2.00	-520.7	-347.1	-502.5			
INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	1.768	5.00	-528.8	-363.2	-492.3			
MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	4.752	8.00	-530.8	-373.1	-482.7			
GROSS OIL WELLS	0.	GROSS GAS WELLS	1.	10.00	-529.7	-377.3	-476.4			
CUMULATIVE OIL (MBBL)	0.000	CUMULATIVE GAS (MMF)	0.000	12.00	-527.3	-379.8	-470.1			
REMAINING OIL (MBBL)	0.000	REMAINING GAS (MMCF)	187.855	15.00	-521.6	-381.4	-460.4			
ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	187.855	18.00	-514.3	-380.8	-450.7			
INITIAL WI (PCT)	100.000	FINAL WI (PCT)	100.000	20.00	-508.8	-379.6	-444.2			
INITIAL NET OIL (PCT)	0.000	FINAL NET OIL (PCT)	0.000	25.00	-493.5	-374.2	-428.1			
INITIAL NET GAS (PCT)	86.500	FINAL NET GAS (PCT)	86.500	30.00	-477.2	-366.7	-412.2			
				35.00	-460.6	-357.9	-396.7			
				40.00	-444.1	-348.4	-381.9			
				45.00	-428.0	-338.6	-367.7			
				50.00	-412.5	-328.7	-354.2			

ROSA UNIT #72B
BLANCO MV/BASIN MC/BASIN DK

Spud: 04/07/09

Completed: 05/14/09

1st Delivery: 0/0/00

Surface Location:

2260' FSL and 600' FEL
NE/4 SE/4 Sec 6 (I), T31N, R05W
Rio Arriba, NM

Bottom Hole Location:

2126' FSL and 2306' FEL
NW/4 SE/4 Sec 6 (J), T31N, R05W
Rio Arriba, NM

Elevation: 6334' GR

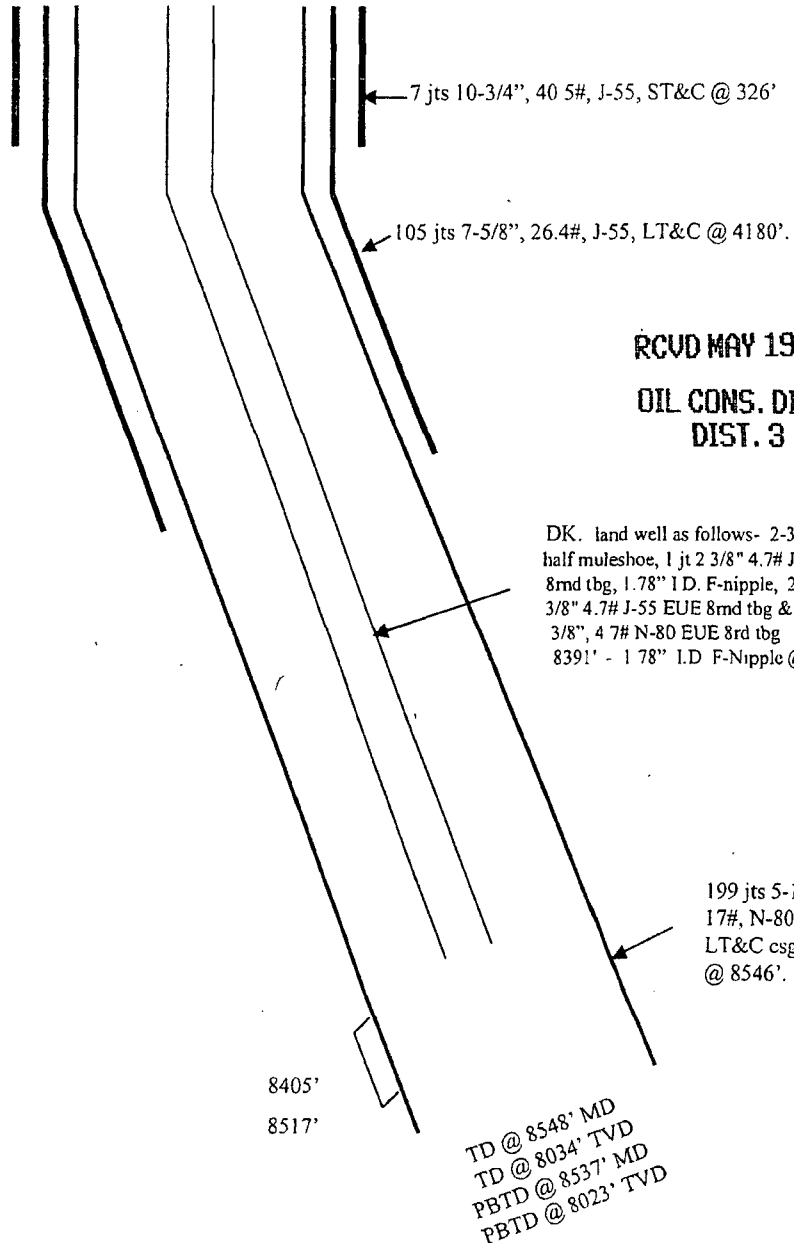
API # 30-039-30336

Top	MD Depth	TVD Depth
Pictured Cliffs	3641'	3137'
Lewis	3978'	3468'
Cliffhouse Ss.	5876'	5363'
Menefee	5953'	5440'
Point Lookout	6132'	5800'
Mancos	6608'	6096'
Dakota	8402'	7888'

Stimulation:

NOTE: Dakota only completed at this time

Dakota: 8405' – 8517' (90, 0.34" holes)
Frac with 5023# 100 mesh BASF
followed with 142,436# 40/70 BASF



RCVD MAY 19'09

OIL CONS. DIV.
DIST. 3

DK. land well as follows- 2-3/8" EUE
half muleshoe, 1 jt 2 3/8" 4.7# J-55 EUE
8rnd tbg, 1.78" I.D. F-nipple, 207 jts 2-
3/8" 4.7# J-55 EUE 8rnd tbg & 52 jts 2-
3/8", 4 7# N-80 EUE 8rnd tbg EOT @
8391' - 1 78" I.D. F-Nipple @ 8357'

Hole Size	Casing	Cement	Volume	Top of Cmt
14-3/4"	10-3/4", 40.5#	290 sxs	521 cu.ft.	Surface
9-7/8"	7-5/8", 26.4#	680 sxs	1698 cu.ft.	Surface
6-3/4"	5-1/2", 17#	325 sxs	454 cu.ft.	4400' CBL

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 640 Aztec, NM 87410		² OGRID Number 120782
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30-039-30336	⁵ Pool Name BASIN DAKOTA	⁶ Pool Code 71599
⁷ Property Code 17033	⁸ Property Name ROSA UNIT	⁹ Well Number 72B

II. ¹⁰ Surface Location

UL or lot no. 1	Section 6	Township 31N	Range 5W	Lot.Idn	Feet from the 2260	North/South Line SOUTH	Feet from the 660	East/West line EAST	County Rio Arriba
--------------------	--------------	-----------------	-------------	---------	-----------------------	------------------------------	----------------------	------------------------	----------------------

¹¹ Bottom Hole Location

UL or lot no. J	Section 6	Township 31N	Range 5W	Lot Idn	Feet from the 2126	North/South line SOUTH	Feet from the 2306	East/West line EAST	County Rio Arriba
¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	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 19 '09

IV. Well Completion Data NOTE: Mesaverde to be completed at a later date

OIL CONS. DIV.

²¹ Spud Date 4-7-09	²² Ready Date 5-14-09	²³ TD 8548' MD	²⁴ PBTB 8537' MD	²⁵ Perforations 8405' - 8517'	²⁶ DHC, MC DIST 3
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
14-3/4"	10-3/4", 40.5#, J J-55	326'	290 sx - surface		
9-7/8"	7-5/8", 26.4#, J-55	4180'	680 sx - surface		
6-3/4"	5 1/2", 17#, N-80	8546'	325 sx - 4400' (CBL)		
	2.375", 4.7#, J-55 & N-80	8391'	NONE		

VI. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date 5-13-09	³⁴ Test Length 1 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 8 oz
³⁷ Choke Size 2"	³⁸ Oil	³⁹ Water	⁴⁰ Gas 400 mcf/d		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:

Printed name:
Larry Higgins

Title:
Dirg COM

E-mail Address:
larry.higgins@williams.com

Date:
5-18-09

Phone:
505-634-4208

OIL CONSERVATION DIVISION

Approved by:

Title:
SUPERVISOR DISTRICT #3

Approval Date:
JUN 01 2009

B 6/10/09

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN
DUPLICATE

(See other instructions on
reverse side)

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

5 LEASE DESIGNATION AND LEASE NO.
NMSF-078767

6 IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG RECEIVED

7 UNIT AGREEMENT NAME

Rosa Unit

1a TYPE OF WELL: ☐ OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER

b TYPE OF COMPLETION
☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER

MAY 13 2009

Report to lease

2 NAME OF OPERATOR

WILLIAMS PRODUCTION COMPANY

Bureau of Land Management
Farmington Field Office

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #72B

3 ADDRESS AND TELEPHONE NO

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

9 API WELL NO

30-039-30336

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

At Surface: 2260' FSL & 600' FEL, sec 6, T31N, R5W

At top production interval reported below: 2126' FSL & 2306' FEL, sec 6, T31N, R5W

At total depth Same

10. FIELD AND POOL, OR WILDCAT
Basin Dakota

11 SEC, T, R, M, OR BLOCK AND
SURVEY OR AREA
Sec 6, T31N, R5W

14 PERMIT NO

DATE ISSUED

12 COUNTY OR

13 STATE

Rio Arriba

New Mexico

19 ELEVATION CASING HEAD

15 DATE
SPUDDED
4-7-09

16 DATE T D
REACHED
4-27-09

17 DATE COMPLETED (READY TO PRODUCE)
5-14-09

18 ELEVATIONS (DK, RKB, RT, GR, ETC)*
6334' GR

20 TOTAL DEPTH, MD & TVD
8548' MD / 8034' TVD

21 PLUG, BACK T D, MD & TVD
8537' MD

22 IF MULTICOMP,
HOW MANY
3*

23 INTERVALS
DRILLED BY

ROTARY TOOLS
x

CABLE TOOLS

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

BASIN DAKOTA 8405' - 8517' MD

* Mesaverde and Mancos to be completed at later date

25 WAS DIRECTIONAL SURVEY MADE
YES

26 TYPE ELECTRIC AND OTHER LOGS RUN

Array Induction, Gamma Ray-Density-Neutron, Temperature and CBL

27 WAS WELL CORED
No

28 CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
10-3/4", J-55	40 5#	326'	14-3/4"	290 SX - SURFACE ✓	
7-5/8", J-55	26 4#	4180'	9-7/8"	680 SX - SURFACE ✓	
5-1/2", N-80	17.0#	8546'	6-3/4"	325 SX - 4400' (CBL) ✓	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/5", 4 7#, J-55 & N-80 EUE 8rd	8391	none

31 PERFORATION RECORD (Interval, size, and number)

Dakota 8405' - 8517' Total of 90, 0 34" holes

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

DEPTH INTERVAL
(MD)

AMOUNT AND KIND OF MATERIAL USED

8405'-8517'

Fraced with 5023# 100 mesh BASF followed with 142.436# 40/70
mesh BASF

RCVD JUN 1 '09

OIL CONS. DIV.

33 PRODUCTION

DIST. 3

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
5-13-09	1 hr	2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	8 oz.				400 mc/d ✓		

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, Directional EOW report

ACCEPTED FOR RECORD

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

SIGNED

Larry Meyer

TITLE Dir. COM

DATE 5-18-09

NMOCD

JUN 01 2009

FARMINGTON FIELD OFFICE
BY J. Salas

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, cushion used, time tool open, flowing and shut-in pressures, and recoveries)

38 GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC	NAME	TOP	
					MEASURED DEPTH	TRUE VERTICAL DEPTH
				PICTURED CLIFFS	3641'	3137'
				LEWIS	3978'	3468'
				CLIFFHOUSE	5876'	5363'
				MENEFEE	5953'	5440'
				POINT LOOKOUT	6132'	5800'
				MANCOS	6608'	6096'
				DAKOTA	8402'	7888'

March 28, 2011

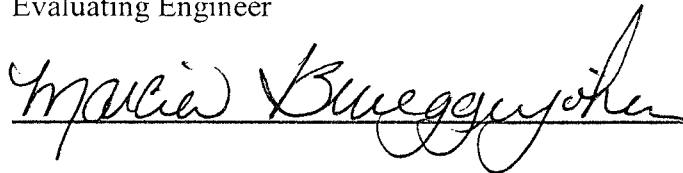
The ROSA Unit #145D DAKOTA Formation Well (non-commercial) is located 610 feet from the North Line and 610 feet from the East Line, Section 16 Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico. This well was spud on September 17, 2009 and completed in the Dakota formation on November 5, 2009. The Dakota formation was completed with a pre-perforated liner between the following depths: 8098' to 8235'. This well has a 2.375" tubing string. This well was shut in with a SICP of 580 psig. On November 5, 2009 the well was tested and after flowing for 2 hours through a 1/2" choke on the 2.375" tubing, the well gauged 834 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:

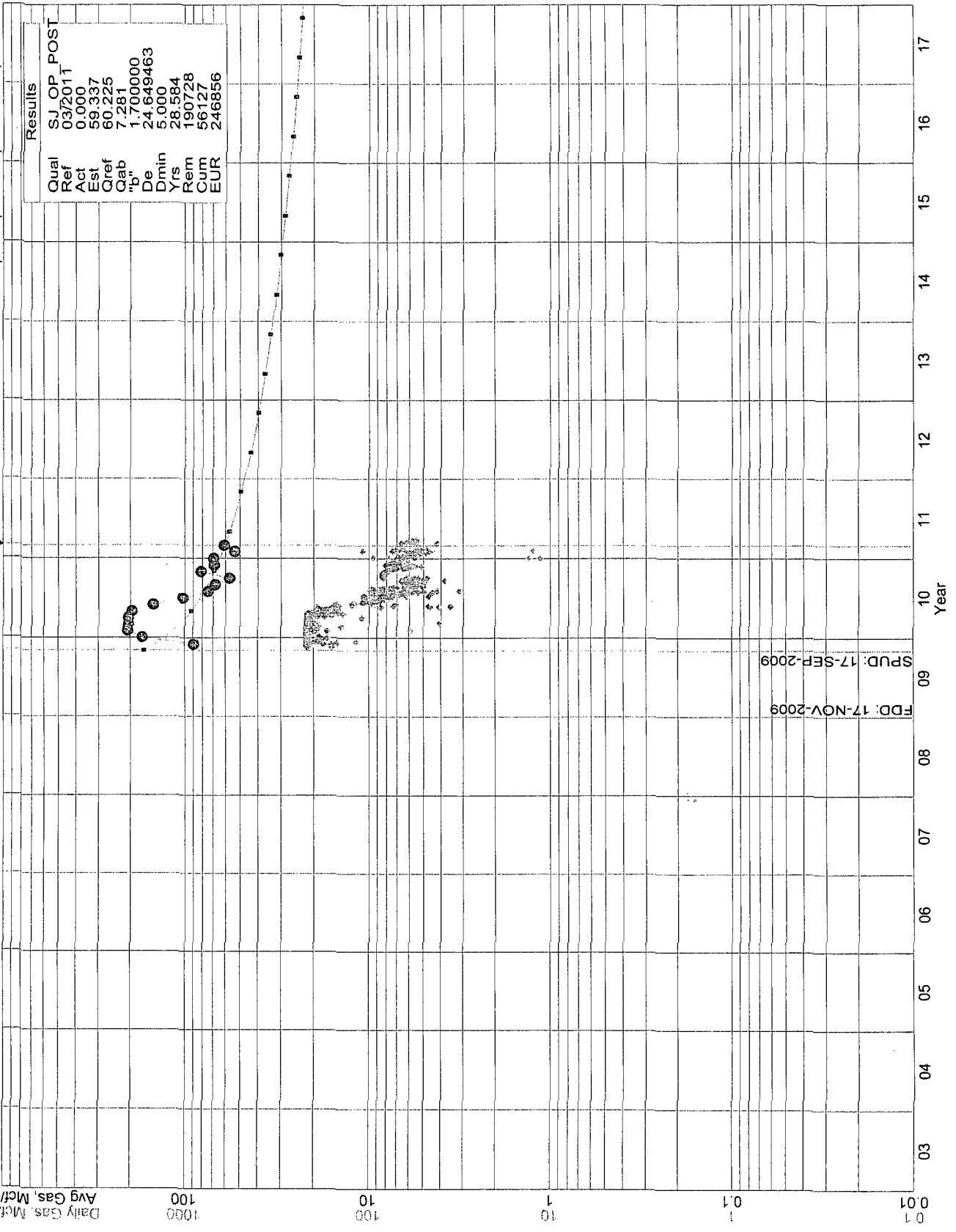
- ARIES economic model output including gas price assumptions
- Historic production plot with forecast
- Well-bore schematic
- State of NM Form C-104
- BLM Form 1004-0137 (Well Completion Report)

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

SUB_AvgDay_Gas



ROSA UNIT #145D | 1PDP | DAKOTA | JAL9BJITYT | 62262239
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 10/2009	SJ_OP_POST
GAS 205 X M/D 5 EXP B/1.7 65	SJ_OP_POST
" X X M/D 30 YRS EXP 5	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 700 X \$/M TO LIFE PC 0	SJ_OP_POST

Ownership

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

Investments

CAPITAL 304.39264 354.66895 M\$G 09/2009 AD ESC INV	SJ_OP_POST
---	------------

Overlays

SIDFILE RI_TOTAL_BR	SJ_OP_POST
LOAD MP.GAS GAS 01/2009 02/2011 #	SJ_OP_POST

PropID: RSV CAT: 1PDP
 Well Name: ROSA UNIT #145D
 Field: BASIN
 Cnty: RIO ARRIBA St: NM
 Reservoir: DAKOTA
 Operator: WPC

Date: 03/27/2011
 Time: 16:10:56
 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	205.00	X	M/D	5.00 EXP	B/1.7	65.00	156.726 12/2020	65.0000	6235.	579.
402 "	X	X	M/D	30.00 YRS	EXP	5.00	240.472 9/2039	5.0000	579.	221.
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		4.69	X	%	TO	LIFE	PC	0.00	9/2039	0.047 0.047
601 STX/GAS		3.75	X	%	TO	LIFE	PC	0.00	9/2039	0.037 0.037
602 OPC/T		700.00	X	\$/M	TO	LIFE	PC	0.00	9/2039	700.000 700.000
705 LSE/WI		0.9602	D	FRAC	TO	LIFE	FLAT	0.00	9/2039	0.960 0.960
720 NET/OIL		0.8222	D	FRAC	TO	LIFE	FLAT	0.00	9/2039	0.822 0.822
740 NET/GAS		0.8222	D	FRAC	TO	LIFE	FLAT	0.00	9/2039	0.822 0.822

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	0.49	X	FRAC	TO	LIFE	MUL	92.00	9/2039		
905 S /89	1.00	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	01/2009	0	0	0	0	0	0	0	0	2664.24	5274.72	6349.44 #	14.288	1/2010
915 "	X	5743.2	6360.96	5865.84	4620.24	3067.23	2303.56	#					42.249	7/2010
916 "	X	2106.02	1702.12	2516.22	2063.6	2143.12	1651.02	#					54.432	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	304.39	354.67 M\$G	09/2009 AD	ESC	INV	659.062	9/2009	0	659.0	0.0

MISCELLANEOUS DATA PARAMETERS

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

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: RSV CAT: 1PDP
 Well Name: ROSA UNIT #145D
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: DAKOTA
 PostAudit
 Operator: WPC

DATE : 03/27/2011
 TIME : 16:10:56
 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			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	0.000			0.000	0.000			0.00	0.000	0.0	0.000	0.000	0.000
12-2009	0.000	7.939			0.000	6.528			0.00	3.410	1.0	0.000	22.261	22.261
12-2010	0.000	44.842			0.000	36.870			0.00	3.724	1.0	0.000	137.285	137.285
12-2011	0.000	19.627			0.000	16.138			0.00	4.776	1.0	0.000	77.078	77.078
12-2012	0.000	15.506			0.000	12.749			0.00	4.776	1.0	0.000	60.895	60.895
12-2013	0.000	13.034			0.000	10.717			0.00	4.776	1.0	0.000	51.189	51.189
12-2014	0.000	11.404			0.000	9.377			0.00	4.776	1.0	0.000	44.787	44.787
12-2015	0.000	10.230			0.000	8.411			0.00	4.776	1.0	0.000	40.174	40.174
12-2016	0.000	9.334			0.000	7.674			0.00	4.776	1.0	0.000	36.655	36.655
12-2017	0.000	8.623			0.000	7.090			0.00	4.776	1.0	0.000	33.863	33.863
12-2018	0.000	8.041			0.000	6.612			0.00	4.776	1.0	0.000	31.579	31.579
12-2019	0.000	7.555			0.000	6.212			0.00	4.776	1.0	0.000	29.669	29.669
12-2020	0.000	7.141			0.000	5.871			0.00	4.776	1.0	0.000	28.042	28.042
12-2021	0.000	6.778			0.000	5.573			0.00	4.776	1.0	0.000	26.618	26.618
12-2022	0.000	6.439			0.000	5.294			0.00	4.776	1.0	0.000	25.287	25.287
12-2023	0.000	6.117			0.000	5.030			0.00	4.776	1.0	0.000	24.023	24.023
S TOT	0.000	182.609			0.000	150.145			0.00	4.458	1.0	0.000	669.406	669.406
AFTER	0.000	64.411			0.000	52.960			0.00	4.776	1.0	0.000	252.954	252.954
TOTAL	0.000	247.020			0.000	203.105			0.00	4.541	1.0	0.000	922.359	922.359

--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	1.840	2.016	0.000	18.405	292.264	340.538	0.000	632.802	-614.397	-526.543	
12-2010	11.350	8.065	0.000	117.870	0.000	0.000	0.000	0.000	117.870	-431.766	
12-2011	6.372	8.065	0.000	62.640	0.000	0.000	0.000	0.000	62.640	-385.129	
12-2012	5.034	8.065	0.000	47.796	0.000	0.000	0.000	0.000	47.796	-352.180	
12-2013	4.232	8.065	0.000	38.891	0.000	0.000	0.000	0.000	38.891	-327.356	
12-2014	3.703	8.065	0.000	33.019	0.000	0.000	0.000	0.000	33.019	-307.841	
12-2015	3.321	8.065	0.000	28.787	0.000	0.000	0.000	0.000	28.787	-292.087	
12-2016	3.030	8.065	0.000	25.560	0.000	0.000	0.000	0.000	25.560	-279.136	
12-2017	2.800	8.065	0.000	22.998	0.000	0.000	0.000	0.000	22.998	-268.346	
12-2018	2.611	8.065	0.000	20.903	0.000	0.000	0.000	0.000	20.903	-259.265	
12-2019	2.453	8.065	0.000	19.151	0.000	0.000	0.000	0.000	19.151	-251.562	
12-2020	2.318	8.065	0.000	17.659	0.000	0.000	0.000	0.000	17.659	-244.985	
12-2021	2.201	8.065	0.000	16.352	0.000	0.000	0.000	0.000	16.352	-239.346	
12-2022	2.091	8.065	0.000	15.131	0.000	0.000	0.000	0.000	15.131	-234.514	
12-2023	1.986	8.065	0.000	13.972	0.000	0.000	0.000	0.000	13.972	-230.384	
S TOT	55.342	114.931	0.000	499.133	292.264	340.538	0.000	632.802	-133.669	-230.384	
AFTER	20.912	127.029	0.000	105.012	0.000	0.000	0.000	0.000	105.012	-210.025	
TOTAL	76.254	241.959	0.000	604.146	292.264	340.538	0.000	632.802	-28.656	-210.025	

PropID: RSV CAT: 1PDP
 Well Name: ROSA UNIT #145D
 Field: BASIN
 Cnty: RIO ARriba St: NM
 Reservoir: DAKOTA
 PostAudit
 Operator: WPC

DATE : 03/27/2011
 TIME : 16:10:56
 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	M\$-----	EXPENSED	PAID & CAP	INCOME	CREDIT	PAYABLE	ATAW	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	18.405	11.390	0.000	340.538	0.000	-333.523	0.000	-116.733	-497.664	-425.171
12-2010	117.870	54.233	0.000	0.000	0.000	63.637	0.000	22.273	95.597	-348.303
12-2011	62.640	64.756	0.000	0.000	0.000	-2.116	0.000	-0.741	63.381	-301.115
12-2012	47.796	46.246	0.000	0.000	0.000	1.550	0.000	0.542	47.253	-268.540
12-2013	38.891	33.036	0.000	0.000	0.000	5.856	0.000	2.050	36.842	-245.024
12-2014	33.019	26.089	0.000	0.000	0.000	6.929	0.000	2.425	30.593	-226.942
12-2015	28.787	26.080	0.000	0.000	0.000	2.707	0.000	0.948	27.840	-211.708
12-2016	25.560	26.089	0.000	0.000	0.000	-0.530	0.000	-0.185	25.745	-198.662
12-2017	22.998	4.345	0.000	0.000	0.000	18.653	0.000	6.528	16.469	-190.935
12-2018	20.903	0.000	0.000	0.000	0.000	20.903	0.000	7.316	13.587	-185.033
12-2019	19.151	0.000	0.000	0.000	0.000	19.151	0.000	6.703	12.448	-180.026
12-2020	17.659	0.000	0.000	0.000	0.000	17.659	0.000	6.181	11.478	-175.751
12-2021	16.352	0.000	0.000	0.000	0.000	16.352	0.000	5.723	10.629	-172.085
12-2022	15.131	0.000	0.000	0.000	0.000	15.131	0.000	5.296	9.835	-168.945
12-2023	13.972	0.000	0.000	0.000	0.000	13.972	0.000	4.890	9.082	-166.260
S TOT	499.133	292.264	0.000	340.538	0.000	-133.669	0.000	-46.784	-86.885	-166.260
AFTER	105.012	0.000	0.000	0.000	0.000	105.012	0.000	36.754	68.258	-153.026
TOTAL	604.146	292.264	0.000	340.538	0.000	-28.656	0.000	-10.030	-18.626	-153.026

BTAX RATE OF RETURN (PCT)	0.00	ATAW RATE OF RETURN (PCT)	0.00
BTAX PAYOUT YEARS	32.08	ATAW PAY OUT YEARS	32.08
BTAX PAYOUT YEARS (DISC)	32.08	ATAW PAY OUT YEARS (DISC)	32.08
BTAX NET INCOME/INVEST	0.95	ATAW NET INCOME/INVEST	0.97
BTAX NET INCOME/INVEST (DISC)	0.61	ATAW NET INCOME/INVEST (DISC)	0.72
PRODUCTION START DATE	10/2009	PROJECT LIFE (YEARS)	32.08
		DISCOUNT - RATE (PCT)	8.00
INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	3.398
MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	4.776
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)	247.020
ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	247.020
INITIAL WI (PCT)	96.016	FINAL WI (PCT)	96.016
INITIAL NET OIL (PCT)	0.000	FINAL NET OIL (PCT)	0.000
INITIAL NET GAS (PCT)	82.222	FINAL NET GAS (PCT)	82.222

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	-28.7	-18.6	-28.7
2.00	-101.1	-71.1	-99.4
5.00	-170.0	-122.3	-156.6
8.00	-210.0	-153.0	-185.8
10.00	-226.8	-166.4	-197.0
12.00	-238.3	-175.8	-204.1
15.00	-248.5	-184.6	-209.6
18.00	-253.0	-189.2	-211.1
20.00	-253.9	-190.5	-210.6
25.00	-251.3	-189.9	-206.2
30.00	-244.6	-185.8	-199.1
35.00	-235.9	-180.0	-190.9
40.00	-226.3	-173.1	-182.2
45.00	-216.3	-165.9	-173.5
50.00	-206.4	-158.6	-165.0

ROSA UNIT #145D

BLANCO MV / BASIN MC / BASIN DK

Spud: 09/17/09

Completed: 11/05/09

1st Delivery: 11/17/09

Surface Location:

610' FNL and 610' FEL
NE/4 NE/4 Sec 16 (A), T31N, R06W
San Juan, NM

Bottom Hole Location:

1768' FNL and 392' FEL
SE/4 NE/4 Sec 16 (H), T31N, R06W
San Juan, NM

Elevation: 6324' GR

API # 30-045-35002

Top	MD Depth	TVD Depth
Lewis	3701'	3454'
Cliffhouse Ss.	5579'	5331'
Point Lookout	5881'	5633'
Mancos	6351'	6103'
Graneros	7969'	7721'
Dakota	8096'	7848'

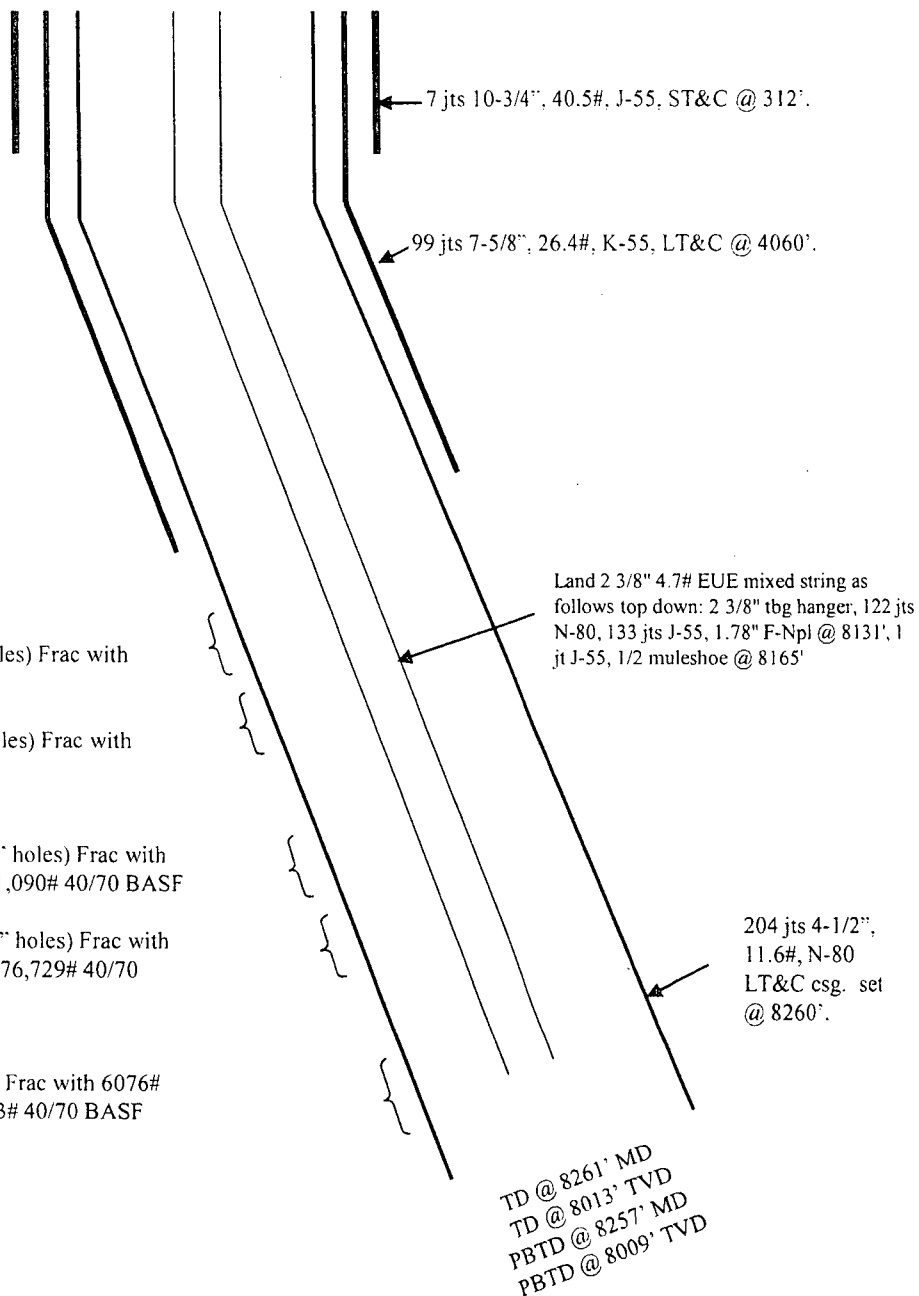
Upper MV: 5590'-5822' (55, 0.34" holes) Frac with
80,700# 20/40 mesh BASF

Lower MV: 5854'-6174' (48, 0.34" holes) Frac with
79,500# 20/40 mesh BASF

Upper Mancos: 6990'-7230' (75, 0.34" holes) Frac with
4925# 100 mesh BASF followed w/101,090# 40/70 BASF

Lower Mancos: 7334'-7486' (66, 0.34" holes) Frac with
5049# 100 mesh BASF followed with 76,729# 40/70
BASF

Dakota: 8098'-8235' (69, 0.34" holes) Frac with 6076#
100 mesh BASF followed with 120,743# 40/70 BASF



Hole Size	Casing	Cement	Volume	Top of Cmt
14-3/4"	10-3/4", 40.5#	290 sxs	522 cu.ft.	Surface
9-7/8"	7-5/8", 26.4#	625 sxs	1551 cu.ft.	Surface
6-3/4"	4-1/2", 11.6#	570 sxs	798cu.ft.	4010' CBL

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 640 Aztec, NM 87410		² OGRID Number 120782
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30-045-35002	⁵ Pool Name BASIN DAKOTA (NSL-6103)	⁶ Pool Code 71599
⁷ Property Code 17033	⁸ Property Name ROSA UNIT	⁹ Well Number 145D

II. ¹⁰ Surface Location

UL or lot no. A	Section 16	Township 31N	Range 6W	Lot Idn	Feet from the 610	North/South Line NORTH	Feet from the 610	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location

UL or lot no. H	Section 16	Township 31N	Range 6W	Lot Idn	Feet from the 1768	North/South line NORTH	Feet from the 392	East/West line EAST	County SAN JUAN
¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ 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
		RCV NOV 6 '09

IV. Well Completion Data NOTE: Commingled with Mesaverde & Mancos

²¹ Spud Date 9-17-09	²² Ready Date 11-5-09	²³ TD 8261' MD	²⁴ PBD 8257' MD	²⁵ Perforations 8098' - 8235'	²⁶ DHC, MC AZT-3278
²⁷ Hole Size 14-3/4"	²⁸ Casing & Tubing Size 10-3/4", 40.5#, J J-55	²⁹ Depth Set 312'	³⁰ Sacks Cement 290 sx - surface		
9-7/8"	7-5/8", 26.4#, K-55	4060'	625 sx - surface		
6-3/4"	4 1/2", 11.6#, N-80	8260'	570 sx - 4010' (CBL)		
	2.375", 4.7#, J-55 & N-80	8165'	NONE		

VI. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date 11-5-09	³⁴ Test Length 2 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 580 lb
³⁷ Choke Size 1/4"	³⁸ Oil	³⁹ Water	⁴⁰ Gas 834 mcf/d		⁴¹ Test Method Choke
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>			11-13-09 OIL CONSERVATION DIVISION Approved by: <i>Charles R. 11-13-09</i>		
Printed name: Larry Higgins			Title: SUPERVISOR DISTRICT # 3		
Title: Dirig COM			Approval Date: NOV 13 2009		
E-mail Address: larry.higgins@williams.com					
Date: 11-6-09	Phone: 505-634-4208		<i>Bum apud</i>		

In Lieu of
Form 3166-4
(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-078766

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

7. UNIT AGREEMENT NAME

Rosa Unit

Report to lease

8. FARM OR LEASE NAME, WELL NO

Rosa Unit #145D

9. API WELL NO.

30-045-35002 - 0001

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M. OR BLOCK AND
SURVEY OR AREA

Sec 16, T31N, R6W

12. COUNTY OR

San Juan

13. STATE

New Mexico

14. ELEVATION CASINGHEAD

14. PERMIT NO.

DATE ISSUED

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

6324' GR

ROTARY TOOLS

x

CABLE TOOLS

25. WAS DIRECTIONAL SURVEY MADE

YES

27. WAS WELL CORED

No

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

CASING SIZE GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
10-3/4", J-55	40.5#	312'	14-3/4"	290 SX - SURFACE	
7-5/8", K-55	26.4#	4060'	9-7/8"	625 SX - SURFACE	
4-1/2", N-80	11.6#	8260'	6-3/4"	570 SX - 4010' (CBL)	

29. LINT RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2.375", 4.7#, J-55 & N-80 EUE 8rd	8165'	none

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

Dakota: Total of 69, 0.34" holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8098'-8235'	Fracced with 6076# 100 mesh BASF followed with 120,743# 40/70 mesh BASF

33. PRODUCTION Commingled with MV and MU per AZF-3278 NSI-6013

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (ET-warp, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SHUT)	
		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
11-5-09	2 hr	12"					
FLOWING PRESS (lb)	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
	580 lb				834 mcf/d		

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, Directional FLOW report

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

SIGNED: Carla Myers TITLE: Dir. COM DATE: 11-6-09

COPIATOR

To: Salyers

17. SUMMARY OF POROUS ZONES. (Show all important zones of porosity and contents thereof, covered intervals, and all drill-stem tests, including depth interval tested, column used, time to 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
					LEWIS	3701'	3454'
					CLIFFHOUSE	5570'	5331'
					POINT LOOKOUT	5881'	5633'
					MANCOS	6351'	6103'
					GRANERON	7969'	7721'
					DAKOTA	8096'	7848'