

Submit 3 Copies To Appropriate District
Office
District I
1625 N French Dr, Hobbs, NM 88240
District II
1301 W. Grand Ave, 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 and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-045-31762
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. E-504
7. Lease Name or Unit Agreement Name Rosa Unit
8. Well Number # 339A
9. OGRID Number 120782
10. Pool name or Wildcat BASIN FC

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☐ Gas Well ☒ Other	
2. Name of Operator WILLIAMS PRODUCTION COMPANY, LLC	
3. Address of Operator 721 SOUTH MAIN AZTEC, NM 87410	
4. Well Location SHL: Unit Letter <u>I</u> : <u>1353'</u> feet from the <u>S</u> line and <u>1045'</u> feet from the <u>E</u> line BHL: Unit Letter: <u>G</u> <u>2350'</u> feet from the <u>N</u> line and <u>1961'</u> feet from the <u>E</u> line Section <u>32</u> Township <u>32N</u> Range <u>06W</u> NMPM County <u>SAN JUAN</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>6373'</u>	
Pit or Below-grade Tank Application ☐ or Closure ☐	
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____	
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
OTHER: ☐		OTHER: ☒ BHL ADJUSTED	

Williams Production would like to update the adjusted BHL on this well. Due to surveyed data per attached As-Drilled Plat.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Larry Higgins TITLE LARRY HIGGINS DATE 8/22/11
Type or print name Larry Higgins E-mail address: larry.higgins@williams.com Telephone No. 505-634-4208

For State Use Only:
APPROVED BY: Accepted For Record TITLE _____ DATE _____
Conditions of Approval (if any): A



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 Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-31742		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 339A
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6373'

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
I	32	32N	6W		1353	SOUTH	1045	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	32	32N	6W		2350	NORTH	1961	EAST	SAN JUAN

¹² Dedicated Acres 320.0 Acres - (E/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ BOTTOM HOLE LAT: 36.93719°N LONG: 107.47948°W DATUM: NAD1927 SURFACE LOCATION LAT: 36.93287°N LONG: 107.47636°W DATUM: NAD1927 SURFACE LOCATION LAT: 36.93288°N LONG: 107.47696°W DATUM: NAD1983 LEASE STATE E-504	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Larry Higgins</i> 8-22-11 Signature Date <i>Larry Higgins</i> Printed Name ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date Revised: AUGUST 11, 2011 Date of Survey: MARCH 14, 2003 Signature and Seal of Professional Surveyor JASON C. EDWARDS NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 15269 JASON C. EDWARDS Certificate Number 15269
--	--



Williams Energy

Rosa Unit #339A-ST01
Sec32 T32N-R6W - 339A

San Juan Co. NM

GL: 6368' KB: 14'



A Schlumberger Company

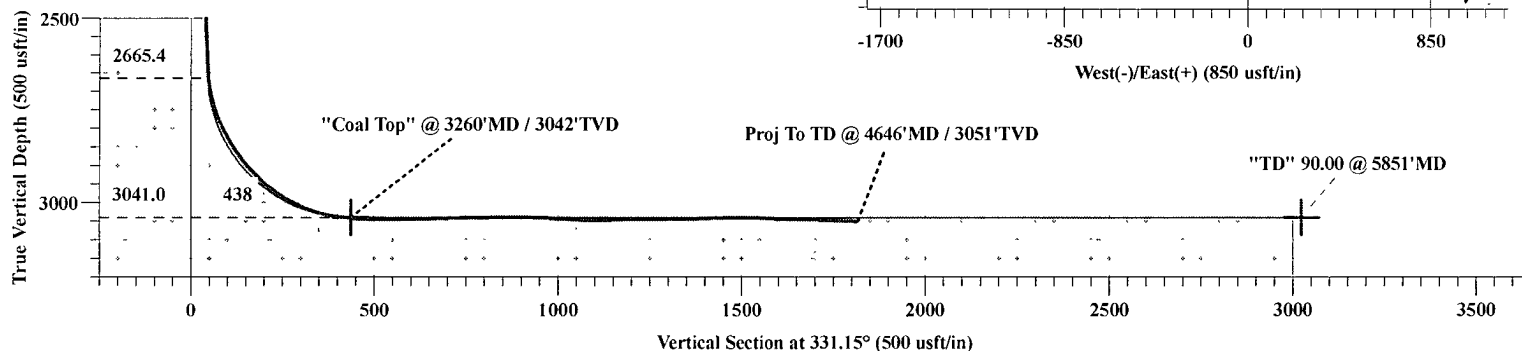
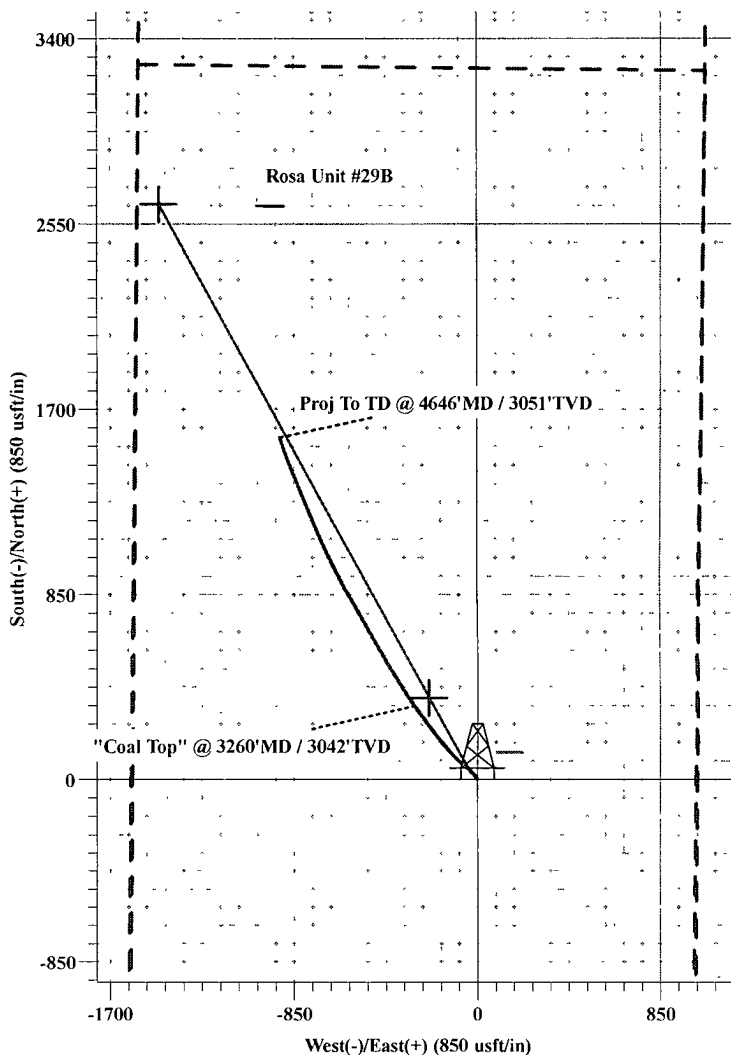
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
LAND-339A	3041 0	375 6	-224 9	2159400 50	604107.10	Point
TD-339A	3041 0	2641 3	-1473 2	2161661 51	602850.31	Point

EOW
No Hardline Crossed

WELL DETAILS: Rosa Unit #339A-ST01

		6368.0	
Northing	Easting	Latitude	Longitude
2159025 74	604333.41	36° 55' 58.332 N	107° 28' 34.896 W



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
2666.0	2 31	312 97	2665.4	36 1	-32 4	0 00	0 00	47 2	
3264.5	90 00	331 15	3041 0	375 6	-224 9	14 67	18 19	437 5	
5851.4	90 00	331 15	3041 0	2641 3	-1473 2	0 00	0 00	3024 3	TD-339A

Plan: Design #2 (Rosa Unit #339A-ST01/ST01)

Created By: Frank C. Scardino

Date: 7/15/2011

Williams Energy

San Juan Co NM

Sec32 T32N-R6W - 339A

Rosa Unit #339A-ST01

ST01

Design: ST01

Standard Survey Report

25 July, 2011

Survey Report

Company:	Williams Energy	Local Co-ordinate Reference:	Site Sec32 T32N-R6W - 339A
Project:	San Juan Co NM	TVD Reference:	WELL @ 6382 0usft (Original Well Elev)
Site:	Sec32 T32N-R6W - 339A	MD Reference:	WELL @ 6382 0usft (Original Well Elev)
Well:	Rosa Unit #339A-ST01	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000 1 Single User.Db

Project:	San Juan Co NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		

Site		Sec32 T32N-R6W - 339A			
Site Position:		Northing:	2,159,025.74 usft	Latitude:	36° 55' 58.332 N
From:	Lat/Long	Easting:	604,333.41 usft	Longitude:	107° 28' 34.896 W
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0 21 °

Well	Rosa Unit #339A-ST01					
Well Position	+N/-S	0 0 usft	Northing:	2,159,025.74 usft	Latitude:	36° 55' 58.332 N
	+E/-W	0 0 usft	Easting:	604,333.41 usft	Longitude:	107° 28' 34.896 W
Position Uncertainty		0 0 usft	Wellhead Elevation:	usft	Ground Level:	6,368.0 usft

Wellbore		ST01			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	06/16/11	9 80	63.68	50,883

Design:	ST01				
Audit Notes:					
Version:	1 0	Phase:	ACTUAL	Tie On Depth:	0 0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0 0	0 0	0 0	331.15	

Survey Program		Date	07/25/11		
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
200 0	4,646 0	Survey #1 (ST01)	MWD	MWD - Standard	

Survey										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate	
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	
0 0	0 00	0 00	0 0	0 0	0 0	0 0	0 00	0 00	0 00	
200 0	0 19	338 02	200 0	0.3	-0.1	0 3	0 10	0 10	0 00	
400 0	0 19	352 81	400 0	0.9	-0.3	1 0	0 02	0 00	7 40	
600 0	0 65	329 58	600 0	2 3	-0.9	2 4	0 24	0 23	-11 62	
800 0	0 92	327 38	800 0	4 6	-2.3	5 1	0 14	0 14	-1 10	
1,000 0	1 14	325.23	999.9	7.6	-4.3	8.7	0 11	0 11	-1 08	
1,200 0	1 29	307 86	1,199.9	10.6	-7.3	12 8	0 20	0 08	-8 69	
1,400 0	1 07	321 11	1,399.9	13.4	-10.2	16 7	0 17	-0 11	6 63	
1,600 0	1 05	328 64	1,599.8	16.4	-12.3	20 3	0 07	-0 01	3 77	
1,800 0	1 20	322 40	1,799.8	19.7	-14.6	24 2	0 10	0 08	-3 12	

Survey Report

Company:	Williams Energy	Local Co-ordinate Reference:	Site Sec32.T32N-R6W - 339A
Project:	San Juan Co NM	TVD Reference:	WELL @ 6382.0usft (Original Well Elev)
Site:	Sec32 T32N-R6W - 339A	MD Reference:	WELL @ 6382.0usft (Original Well Elev)
Well:	Rosa Unit #339A-ST01	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000 1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,000.0	1.35	316.66	1,999.7	23.0	-17.5	28.6	0.10	0.08	-2.87
2,200.0	1.67	307.49	2,199.7	26.5	-21.4	33.6	0.20	0.16	-4.59
2,400.0	1.43	310.20	2,399.6	29.9	-25.6	38.6	0.13	-0.12	1.36
2,600.0	2.31	312.97	2,599.5	34.3	-30.5	44.7	0.44	0.44	1.39
2,611.0	2.39	311.00	2,610.5	34.6	-30.8	45.1	1.03	0.73	-17.91
2,641.0	2.56	311.70	2,640.4	35.4	-31.8	46.4	0.58	0.57	2.33
2,673.0	7.31	330.37	2,672.3	37.7	-33.3	49.1	15.48	14.84	58.34
2,707.0	11.59	320.54	2,705.9	42.2	-36.6	54.6	13.41	12.59	-28.91
2,754.0	19.70	310.82	2,751.1	51.0	-45.6	66.7	18.08	17.26	-20.68
2,777.0	24.01	307.00	2,772.4	56.4	-52.2	74.6	19.72	18.74	-16.61
2,809.0	28.40	307.30	2,801.1	64.9	-63.5	87.5	13.72	13.72	0.94
2,841.0	31.92	309.77	2,828.8	74.9	-76.1	102.3	11.66	11.00	7.72
2,872.0	34.65	312.85	2,854.7	86.2	-88.8	118.3	10.36	8.81	9.94
2,904.0	37.81	315.82	2,880.5	99.4	-102.3	136.4	11.29	9.88	9.28
2,937.0	41.77	317.69	2,905.9	114.8	-116.8	156.9	12.53	12.00	5.67
2,969.0	46.52	318.52	2,928.8	131.4	-131.7	178.6	14.95	14.84	2.59
3,001.0	51.44	318.50	2,949.8	149.5	-147.6	202.2	15.38	15.38	-0.06
3,033.0	55.13	320.30	2,968.9	168.9	-164.3	227.3	12.38	11.53	5.63
3,065.0	59.09	321.08	2,986.3	189.7	-181.3	253.7	12.54	12.38	2.44
3,097.0	62.78	322.36	3,001.9	211.7	-198.7	281.3	12.05	11.53	4.00
3,127.0	67.97	322.66	3,014.4	233.3	-215.3	308.2	17.32	17.30	1.00
3,160.0	72.90	323.43	3,025.4	258.2	-233.9	339.0	15.10	14.94	2.33
3,192.0	78.26	323.60	3,033.4	283.1	-252.4	369.7	16.76	16.75	0.53
3,224.0	83.71	323.77	3,038.4	308.5	-271.1	401.0	17.04	17.03	0.53
3,257.0	84.68	325.10	3,041.7	335.2	-290.2	433.6	4.97	2.94	4.03
3,260.0	84.86	325.16	3,042.0	337.7	-291.9	436.6	6.36	6.00	2.14
"Coal Top" @ 3260' MD / 3042' TVD									
3,320.0	88.46	326.44	3,045.5	387.2	-325.5	496.2	6.36	6.00	2.13
3,383.0	91.98	327.36	3,045.3	440.0	-359.9	559.1	5.77	5.59	1.46
3,447.0	90.57	328.46	3,043.8	494.2	-393.9	622.9	2.79	-2.20	1.72
3,511.0	91.54	328.67	3,042.7	548.8	-427.3	686.9	1.55	1.52	0.33
3,573.0	90.75	329.82	3,041.4	602.1	-459.0	748.8	2.25	-1.27	1.85
3,636.0	90.31	331.09	3,040.8	656.9	-490.1	811.8	2.13	-0.70	2.02
3,700.0	90.40	331.60	3,040.4	713.0	-520.7	875.8	0.81	0.14	0.80
3,764.0	88.46	330.18	3,041.1	768.9	-551.9	939.8	3.76	-3.03	-2.22
3,826.0	86.26	329.03	3,043.9	822.3	-583.2	1,001.7	4.00	-3.55	-1.85
3,891.0	88.20	330.58	3,047.1	878.5	-615.9	1,066.6	3.82	2.98	2.38
3,955.0	91.80	332.48	3,047.1	934.7	-646.4	1,130.6	6.36	5.63	2.97
4,019.0	90.40	333.57	3,045.8	991.7	-675.4	1,194.5	2.77	-2.19	1.70
4,083.0	90.57	334.91	3,045.3	1,049.4	-703.2	1,258.4	2.11	0.27	2.09
4,146.0	90.31	336.13	3,044.8	1,106.7	-729.3	1,321.2	1.98	-0.41	1.94
4,209.0	90.75	336.77	3,044.2	1,164.5	-754.5	1,384.0	1.23	0.70	1.02
4,273.0	92.51	338.37	3,042.4	1,223.6	-778.9	1,447.5	3.72	2.75	2.50
4,335.0	89.60	336.65	3,041.3	1,280.8	-802.6	1,509.1	5.45	-4.69	-2.77

Survey Report

Company:	Williams Energy	Local Co-ordinate Reference:	Site Sec32 T32N-R6W - 339A
Project:	San Juan Co NM	TVD Reference:	WELL @ 6382 0usft (Original Well Elev)
Site:	Sec32 T32N-R6W - 339A	MD Reference:	WELL @ 6382 0usft (Original Well Elev)
Well:	Rosa Unit #339A-ST01	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000 1 Single User-Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,400 0	87.93	336 81	3,042 7	1,340 5	-828 3	1,573 8	2 58	-2 57	0 25
4,464 0	88 72	338 11	3,044 5	1,399 6	-852 8	1,637 4	2 38	1 23	2 03
4,527 0	88 02	339 14	3,046 3	1,458.3	-875.7	1,699 8	1 98	-1 11	1 63
4,590 0	87 58	340 53	3,048.7	1,517 4	-897 4	1,762 1	2.31	-0 70	2 21
4,646 0	87 58	340.53	3,051.1	1,570 1	-916 1	1,817 3	0.00	0 00	0 00
Proj To TD @ 4646'MD / 3051'TVD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,260 0	3,042 0	337 7	-291 9	"Coal Top" @ 3260'MD / 3042'TVD
4,646 0	3,051.1	1,570.1	-916 1	Proj To TD @ 4646'MD / 3051'TVD

Checked By: _____ Approved By: _____ Date: _____