

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

As Drilled

*API Number 30-039-30741		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 311A
*OGRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6739'

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
A	33	31N	4W		710	NORTH	820	EAST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

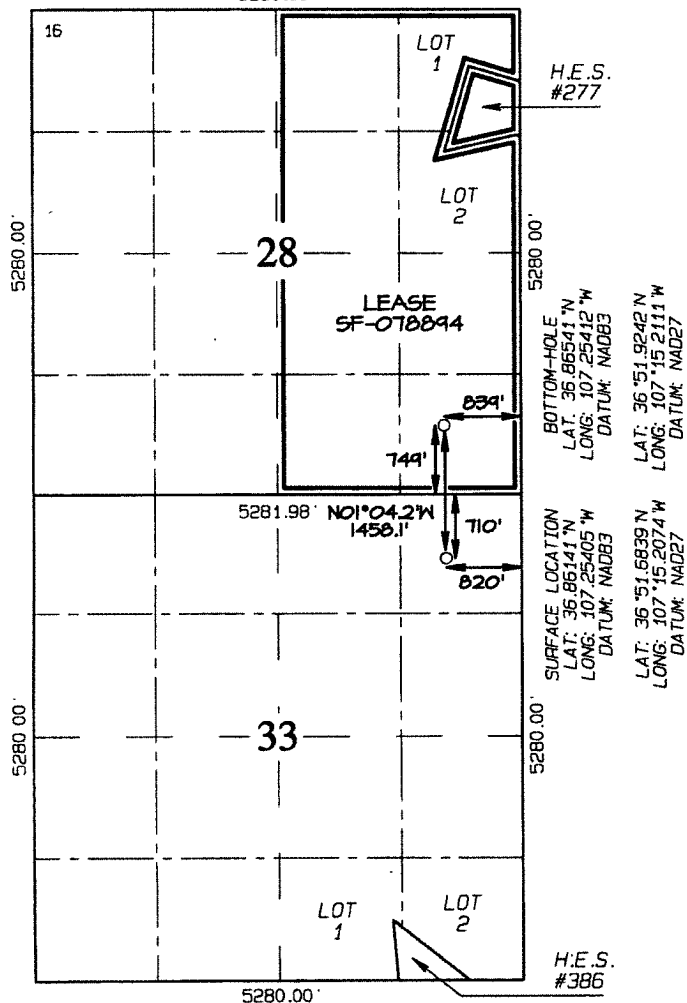
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	28	31N	4W		749	SOUTH	839	EAST	RIO ARriba

¹² Dedicated Acres 320.0 Acres - E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD NOV 17 '08 OIL CONS DIV
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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

5280.00'

DIST 3



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

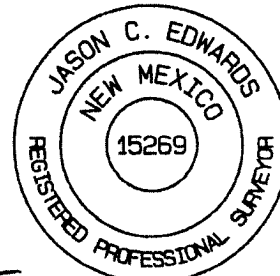
Signature: Heather Riley Date: 11/17/08
Printed Name: Heather Riley

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: NOVEMBER 16, 2008
Survey Date: SEPTEMBER 27, 2008

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number: 15269



Scientific Drilling

Gyroscopic Survey Report for WILLIAMS

Well Location	Sec.33- T-31-N, R-4-W, Rio Arriba County, NM
Well Name	ROSA UNIT #311A
Rig Name	AWS #471
Survey Date	2008/10/29
Latitude	36.86 deg
North Reference	True North
Grid Correction	0.00 deg
Depth Reference	RKB 12FT
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 0.00Azim (deg)
Definitive Survey	Computed from RN311.BIN's HighSpeed: OutRun
Operator	MATLOCKSTANLEY

Comments

Survey ran from 0-4020'
Survey run in 2-7/8" drill pipe.
Survey referenced to TRUE NORTH and 12' RKB



Survey Report

Well Name:		ROSA UNIT #311A							
Survey:		Computed from RN311.BIN's HighSpeed: OutRun							
Survey Date:		2008/10/29							
MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft	Closure Distance ft	Closure Angle deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	0.00	0.00
100.00	0.14	326.76	100.00	0.10	0.10	-0.07	0.14	0.12	326.76
200.00	0.32	220.49	200.00	-0.01	-0.01	-0.31	0.38	0.31	267.60
300.00	0.21	163.71	300.00	-0.40	-0.40	-0.44	0.27	0.60	227.71
400.00	0.21	259.39	400.00	-0.61	-0.61	-0.57	0.31	0.84	222.95
500.00	3.25	351.78	499.94	2.16	2.16	-1.16	3.27	2.45	331.79
600.00	4.24	355.57	599.73	8.65	8.65	-1.85	1.02	8.85	347.93
700.00	6.53	1.81	699.28	18.02	18.02	-1.96	2.36	18.12	353.81
800.00	8.64	357.18	798.40	31.20	31.20	-2.15	2.20	31.28	356.07
900.00	10.96	1.05	896.94	48.22	48.22	-2.34	2.41	48.27	357.22
1000.00	11.79	5.80	994.97	67.89	67.89	-1.13	1.25	67.90	359.04
1100.00	14.96	1.32	1092.25	90.97	90.97	0.20	3.33	90.97	0.12
1200.00	18.88	358.62	1187.91	120.06	120.06	0.10	3.99	120.06	0.05
1300.00	19.25	358.74	1282.42	152.71	152.71	-0.65	0.38	152.71	359.76
1400.00	20.31	358.02	1376.52	186.54	186.54	-1.61	1.09	186.55	359.50
1500.00	22.40	358.89	1469.65	222.94	222.94	-2.58	2.11	222.95	359.34
1600.00	25.71	0.06	1560.95	263.69	263.69	-2.93	3.34	263.70	359.36
1700.00	28.40	0.51	1650.00	309.16	309.16	-2.69	2.70	309.18	359.50
1800.00	30.56	359.21	1737.05	358.37	358.37	-2.84	2.25	358.38	359.55
1900.00	31.44	359.29	1822.77	409.87	409.87	-3.51	0.88	409.88	359.51
2000.00	30.44	356.92	1908.54	461.25	461.25	-5.20	1.57	461.28	359.35
2100.00	30.22	356.70	1994.85	511.67	511.67	-8.01	0.24	511.73	359.10
2200.00	28.96	359.17	2081.81	561.01	561.01	-9.80	1.76	561.09	359.00
2300.00	29.85	0.72	2168.93	610.10	610.10	-9.84	1.17	610.18	359.08
2400.00	30.50	0.56	2255.38	660.36	660.36	-9.28	0.65	660.42	359.19
2500.00	30.59	0.49	2341.50	711.18	711.18	-8.81	0.10	711.23	359.29
2600.00	30.67	359.38	2427.55	762.12	762.12	-8.87	0.57	762.17	359.33
2700.00	29.33	358.13	2514.15	812.11	812.11	-9.95	1.48	812.17	359.30
2800.00	29.36	354.09	2601.33	860.97	860.97	-13.28	1.98	861.08	359.12
2900.00	29.29	359.43	2688.53	909.83	909.83	-16.04	2.61	909.97	358.99
3000.00	29.80	2.65	2775.53	959.11	959.11	-15.14	1.67	959.23	359.10
3100.00	31.30	359.86	2861.65	1009.92	1009.92	-14.05	2.07	1010.02	359.20
3200.00	30.42	358.55	2947.49	1061.21	1061.21	-14.75	1.11	1061.31	359.20
3300.00	31.50	357.31	3033.25	1112.61	1112.61	-16.62	1.25	1112.74	359.14
3400.00	30.46	357.12	3118.98	1164.02	1164.02	-19.12	1.04	1164.18	359.06
3500.00	29.39	0.87	3205.65	1213.88	1213.88	-20.02	2.15	1214.04	359.06
3600.00	29.64	0.14	3292.68	1263.14	1263.14	-19.59	0.43	1263.30	359.11
3700.00	29.62	358.77	3379.60	1312.58	1312.58	-20.05	0.61	1312.73	359.12
3800.00	28.55	358.88	3466.99	1361.18	1361.18	-21.05	1.01	1361.34	359.11



Survey Report

Well Name: ROSA UNIT #311A
Survey: Computed from RN311.BIN's HighSpeed: OutRun
Survey Date: 2008/10/29

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft	Closure Distance ft	Closure Angle deg
3900.00	27.07	1.56	3555.44	1407.82	1407.82	-20.90	1.94	1407.98	359.15
4000.00	24.46	3.24	3645.49	1451.24	1451.24	-19.11	2.71	1451.36	359.25
4020.00	24.16	3.08	3663.72	1459.46	1459.46	-18.65	1.51	1459.58	359.27