

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

"As Drilled"

RCVD OCT 17 '08
OIL CONS. DIV.

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-29925		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 377A
*OGRID No 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6543'

¹⁰ Surface Location

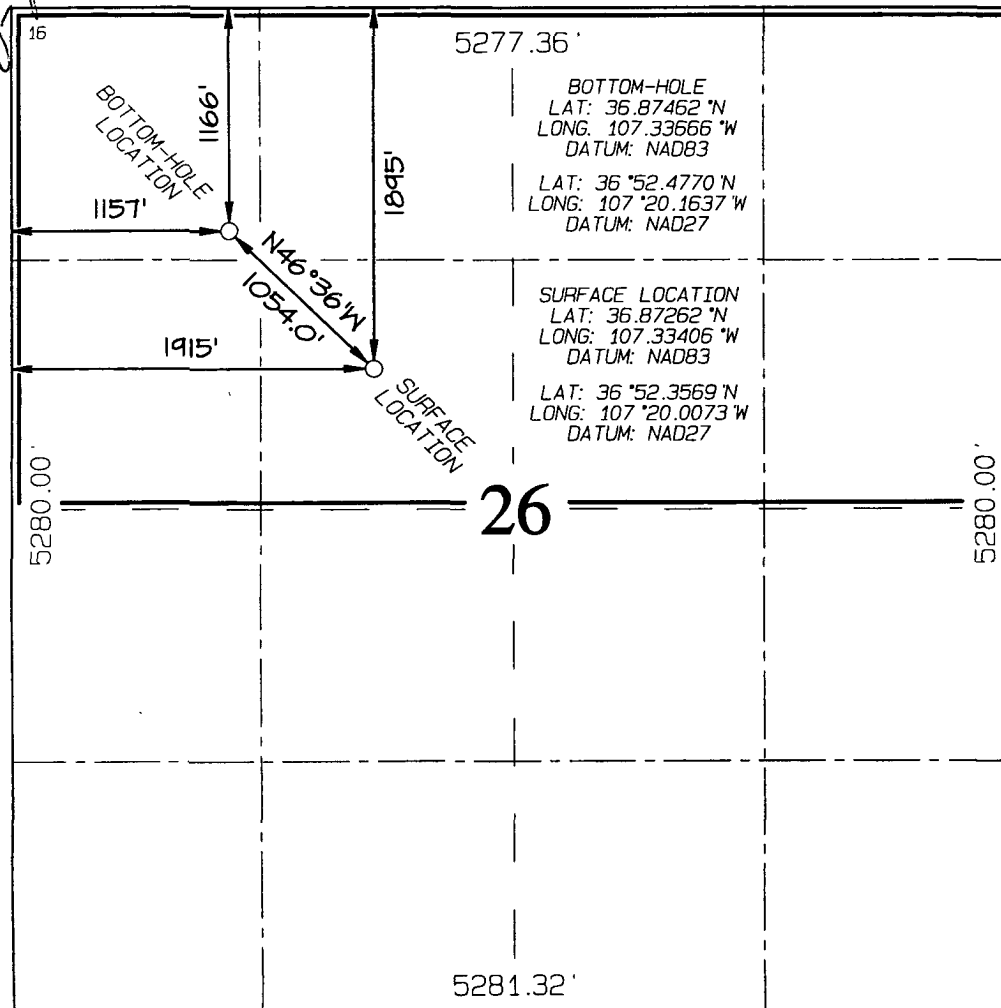
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	26	31N	5W		1895	NORTH	1915	WEST	RIO ARriba

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
D	26	31N	5W		1166	NORTH	1157	WEST	RIO ARriba

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



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.

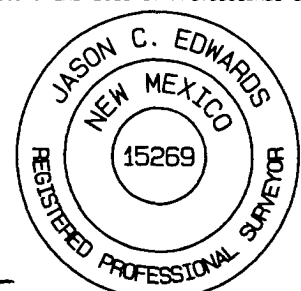
Larry Higgins 10-17-08
Signature Date
LARRY HIGGINS
Printed Name

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: OCTOBER 16, 2008
Survey Date: DECEMBER 2, 2005

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



Scientific Drilling

Gyroscopic Survey Report for WILLIAMS

Well Location	Sec.26, T-31-N, R-5-W, Rio Arriba County New Mexico
Well Name	ROSA UNIT #377A FRT
Rig Name	AWS 471
Survey Date	2008/09/22
Latitude	36.87 deg
North Reference	True North
Grid Correction	0.00 deg
Depth Reference	RKB (14')
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 0.00Azim (deg)
Definitive Survey	Computed from ROSA3770.BIN's HighSpeed: OutRun
Operator	Brett Lanier

Comments

SURVEY from RKB to 3670'
SURVEYED in 2 7/8" Drillpipe
SURVEYED RKB (14')
Survey referenced to TRUE NORTH



Survey Report

Well Name:		ROSA UNIT #377A FRT							
Survey:		Computed from ROSA3770.BIN's HighSpeed: OutRun							
Survey Date:		2008/09/22							
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	0.24	193.57	100.00	-0.20	-0.20	-0.05	0.24	0.21	193.57
200.00	0.67	122.91	200.00	-0.72	-0.72	0.39	0.63	0.82	151.70
300.00	0.34	104.63	299.99	-1.11	-1.11	1.16	0.36	1.61	133.81
400.00	0.06	179.05	399.99	-1.24	-1.24	1.45	0.32	1.91	130.66
500.00	1.54	343.88	499.98	0.00	0.00	1.07	1.60	1.07	90.14
600.00	5.15	342.97	599.79	5.58	5.58	-0.62	3.61	5.61	353.71
700.00	9.28	329.29	698.99	16.81	16.81	-6.05	4.45	17.87	340.20
800.00	10.19	309.60	797.57	29.39	29.39	-16.99	3.43	33.95	329.97
900.00	12.60	310.67	895.59	42.14	42.14	-32.09	2.42	52.97	322.71
1000.00	17.34	310.77	992.17	58.99	58.99	-51.66	4.74	78.42	318.79
1100.00	21.17	311.17	1086.56	80.62	80.62	-76.56	3.83	111.18	316.48
1200.00	21.90	306.66	1179.58	103.65	103.65	-105.12	1.81	147.62	314.60
1300.00	21.33	306.83	1272.55	125.69	125.69	-134.64	0.57	184.19	313.03
1400.00	21.42	309.25	1365.67	148.14	148.14	-163.34	0.88	220.51	312.21
1500.00	21.20	313.58	1458.84	172.16	172.16	-190.58	1.59	256.83	312.09
1600.00	22.02	314.44	1551.81	197.75	197.75	-217.06	0.88	293.64	312.33
1700.00	22.42	315.11	1644.38	224.39	224.39	-243.91	0.48	331.43	312.61
1800.00	22.84	313.69	1736.68	251.31	251.31	-271.40	0.68	369.88	312.80
1900.00	21.90	310.87	1829.16	276.92	276.92	-299.53	1.42	407.93	312.75
2000.00	22.97	311.21	1921.59	301.98	301.98	-328.32	1.07	446.07	312.61
2100.00	22.46	313.81	2013.84	328.05	328.05	-356.78	1.13	484.67	312.60
2200.00	22.33	314.36	2106.30	354.56	354.56	-384.14	0.25	522.75	312.71
2300.00	21.59	312.70	2199.04	380.31	380.31	-411.24	0.96	560.14	312.76
2400.00	20.97	313.89	2292.23	405.19	405.19	-437.66	0.76	596.43	312.79
2500.00	21.52	316.63	2385.43	430.94	430.94	-463.15	1.14	632.63	312.94
2600.00	23.28	316.58	2477.88	458.63	458.63	-489.33	1.75	670.66	313.14
2700.00	24.02	316.55	2569.48	487.75	487.75	-516.91	0.74	710.70	313.34
2800.00	24.48	313.27	2660.67	516.73	516.73	-545.99	1.42	751.74	313.42
2900.00	21.71	309.78	2752.65	542.77	542.77	-575.29	3.09	790.92	313.33
3000.00	20.93	310.11	2845.81	566.10	566.10	-603.17	0.79	827.21	313.18
3100.00	20.89	313.20	2939.22	589.82	589.82	-629.82	1.10	862.88	313.12
3200.00	20.55	316.42	3032.76	614.74	614.74	-654.92	1.19	898.23	313.19
3300.00	21.75	315.68	3126.02	640.70	640.70	-679.96	1.23	934.27	313.30
3400.00	21.11	317.46	3219.11	667.23	667.23	-705.09	0.91	970.74	313.42
3500.00	18.93	320.41	3313.06	693.00	693.00	-727.60	2.40	1004.82	313.60
3600.00	15.28	319.59	3408.62	715.54	715.54	-746.49	3.66	1034.04	313.79
3670.00	14.07	320.24	3476.34	729.10	729.10	-757.91	1.74	1051.67	313.89