

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'

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-089-29508	*Pool Code 97232 / 72319 / 71599	*Pool Name BASIN MANCOS / BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 17033	*Property Name ROSA UNIT	*Well Number 630
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY	*Elevation 6461'

¹⁰ Surface Location

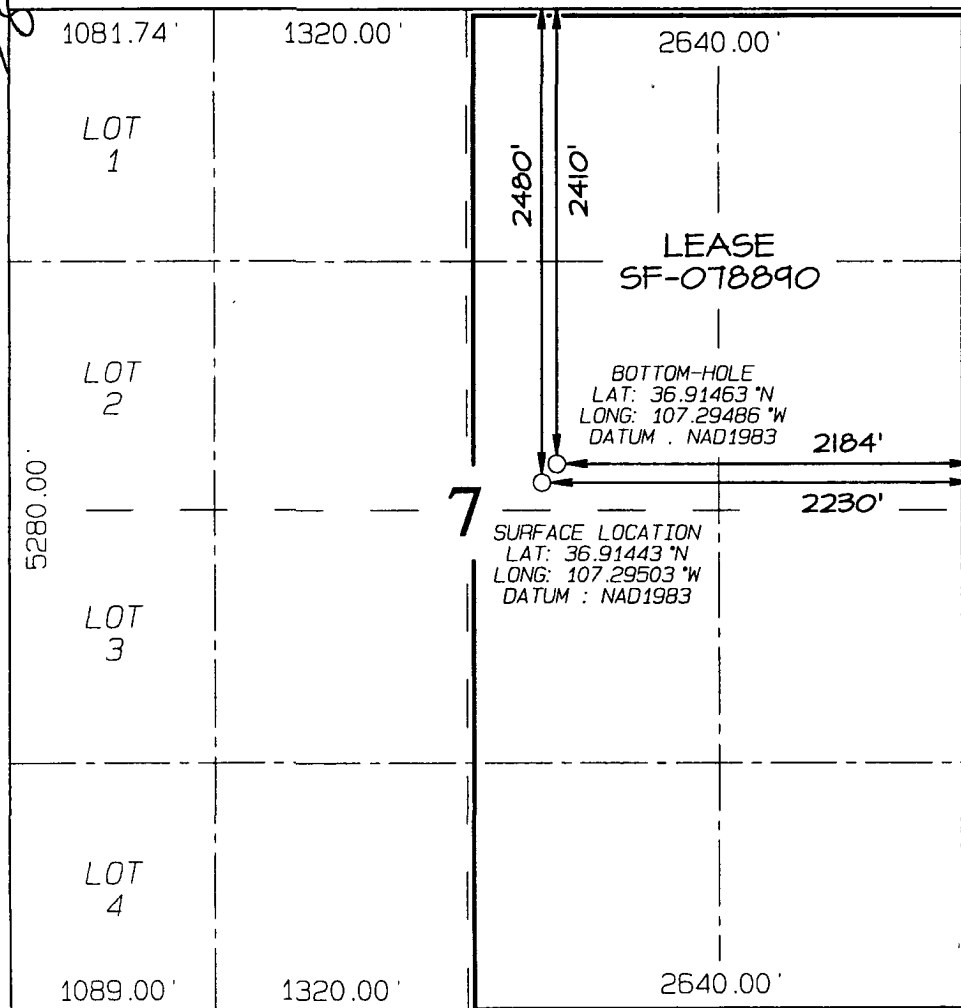
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	7	31N	4W		2480	NORTH	2230	EAST	RIO ARRIBA

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
G	7	31N	4W		2410	NORTH	2184	EAST	RIO ARRIBA

¹² Dedicated Acres 320.0 Acres - (E/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD JUN 8 '10 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



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 6-7-10
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 of Survey: JULY 22, 2004

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269



Scientific Drilling

Gyroscopic Survey Report for

Williams

APJ # 30-037-29508

Well Location	Sec 7-T31N-R4W
Well Name	Rosa Unit 630
Rig Name	BWWC
Survey Date	2010/05/26
Latitude	36.91 deg
North Reference	True North
Grid Correction	0.00 deg
Depth Reference	16' RKB
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 33.43Azim (deg)
Definitive Survey	Computed from ROSA630.BIN's HighSpeed: OutRun
Operator	B. Willhight

Comments

Survey from RKB to 8370' in 4.5" casing

RCVD JUN 8 '10
OIL CONS. DIV.
DIST. 3



Survey Report

Well Name: Rosa Unit 630
 Survey: Computed from ROSA630.BIN's HighSpeed: OutRun
 Survey Date: 2010/05/26

MD	Inc	Azim	TVD	VS	Northing	Easting	DLS	Closure Distance	Closure Angle
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	0.00	0.00
100.00	0.22	92.23	100.00	0.10	-0.01	0.19	0.22	0.19	92.23
200.00	0.23	90.32	200.00	0.31	-0.02	0.59	0.01	0.59	91.58
300.00	0.18	88.30	300.00	0.51	-0.01	0.94	0.05	0.94	90.77
400.00	0.02	18.03	400.00	0.61	0.01	1.10	0.17	1.10	89.59
500.00	0.03	358.98	500.00	0.65	0.05	1.11	0.02	1.11	87.29
600.00	0.27	301.11	600.00	0.67	0.20	0.90	0.26	0.93	77.25
700.00	0.31	294.24	700.00	0.62	0.44	0.45	0.05	0.63	45.65
800.00	0.40	294.11	799.99	0.51	0.70	-0.12	0.09	0.71	350.20
900.00	0.44	303.39	899.99	0.46	1.05	-0.76	0.08	1.30	324.10
1000.00	0.61	305.27	999.99	0.47	1.57	-1.51	0.17	2.18	316.01
1100.00	0.63	301.39	1099.98	0.47	2.16	-2.42	0.05	3.24	311.80
1200.00	0.63	313.20	1199.98	0.55	2.82	-3.29	0.13	4.33	310.66
1300.00	0.65	324.37	1299.97	0.84	3.66	-4.02	0.13	5.43	312.34
1400.00	0.58	332.28	1399.96	1.29	4.57	-4.58	0.11	6.47	314.92
1500.00	0.70	336.99	1499.96	1.87	5.58	-5.06	0.13	7.53	317.81
1600.00	0.81	351.15	1599.95	2.73	6.84	-5.40	0.22	8.71	321.68
1700.00	1.07	357.84	1699.94	4.01	8.46	-5.55	0.28	10.12	326.75
1800.00	1.19	357.85	1799.92	5.61	10.43	-5.62	0.12	11.84	331.67
1900.00	1.32	6.68	1899.89	7.47	12.60	-5.53	0.23	13.76	336.32
2000.00	1.34	8.46	1999.87	9.56	14.90	-5.22	0.05	15.79	340.70
2100.00	1.17	10.00	2099.84	11.56	17.06	-4.87	0.18	17.74	344.07
2200.00	1.21	14.58	2199.82	13.49	19.09	-4.43	0.10	19.59	346.94
2300.00	1.44	33.51	2299.79	15.74	21.15	-3.47	0.49	21.44	350.69
2400.00	1.49	33.13	2399.76	18.30	23.29	-2.07	0.05	23.38	354.93
2500.00	1.54	39.91	2499.73	20.93	25.41	-0.49	0.19	25.41	358.89
2600.00	1.79	36.70	2599.68	23.83	27.69	1.31	0.27	27.73	2.70
2700.00	1.75	39.91	2699.64	26.91	30.12	3.22	0.11	30.29	6.10
2800.00	1.99	39.73	2799.58	30.15	32.62	5.31	0.24	33.05	9.24
2900.00	1.94	32.30	2899.52	33.57	35.39	7.32	0.26	36.14	11.69
3000.00	2.01	30.90	2999.47	37.01	38.32	9.12	0.09	39.39	13.39
3100.00	2.10	32.47	3099.40	40.59	41.37	11.01	0.11	42.81	14.90
3200.00	1.90	36.07	3199.34	44.08	44.26	12.97	0.24	46.12	16.33
3300.00	1.81	49.30	3299.29	47.26	46.63	15.14	0.44	49.03	17.99
3400.00	1.88	55.97	3399.24	50.29	48.58	17.70	0.22	51.70	20.02
3500.00	1.63	63.83	3499.19	53.04	50.12	20.34	0.34	54.09	22.09
3600.00	2.37	82.64	3599.13	55.62	51.02	23.67	0.98	56.24	24.89
3700.00	2.23	94.92	3699.05	57.90	51.12	27.66	0.51	58.12	28.42
3800.00	2.17	103.82	3798.97	59.46	50.50	31.44	0.35	59.48	31.91



Survey Report

Well Name: Rosa Unit 630

Survey: Computed from ROSA630.BIN's HighSpeed: OutRun

Survey Date: 2010/05/26

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	2.25	110.12	3898.90	60.55	49.37	35.12	0.26	60.59	35.43
4000.00	2.61	114.83	3998.81	61.34	47.74	39.03	0.41	61.66	39.27
4100.00	2.93	121.34	4098.69	61.78	45.45	43.29	0.45	62.76	43.60
4200.00	3.23	128.03	4198.55	61.64	42.38	47.69	0.47	63.80	48.37
4300.00	3.46	133.48	4298.38	60.89	38.57	52.10	0.39	64.82	53.49
4400.00	3.77	138.51	4398.18	59.51	34.03	56.46	0.44	65.93	58.92
4500.00	4.33	141.84	4497.93	57.46	28.61	60.97	0.61	67.35	64.86
4600.00	3.96	146.98	4597.67	54.89	22.75	65.18	0.52	69.04	70.76
4700.00	2.84	151.23	4697.49	52.36	17.69	68.25	1.15	70.51	75.47
4800.00	0.85	153.69	4797.44	50.83	14.86	69.77	1.99	71.33	77.98
4900.00	1.18	335.51	4897.43	51.00	15.12	69.67	2.03	71.30	77.75
5000.00	2.04	342.66	4997.39	52.67	17.76	68.72	0.89	70.97	75.51
5100.00	1.72	348.35	5097.34	54.86	20.93	67.88	0.37	71.04	72.87
5200.00	1.39	355.76	5197.30	56.88	23.61	67.49	0.39	71.50	70.72
5300.00	0.95	1.54	5297.28	58.55	25.65	67.42	0.45	72.14	69.17
5400.00	1.28	348.64	5397.26	60.05	27.58	67.23	0.41	72.66	67.69
5500.00	1.38	338.88	5497.23	61.54	29.80	66.57	0.25	72.94	65.88
5600.00	1.22	352.14	5597.21	63.04	31.98	65.99	0.34	73.33	64.14
5700.00	1.25	12.84	5697.18	64.86	34.10	66.09	0.44	74.36	62.71
5800.00	1.35	10.28	5797.16	66.96	36.32	66.54	0.12	75.81	61.37
5900.00	3.70	329.58	5897.06	69.47	40.26	65.12	2.81	76.56	58.27
6000.00	3.90	328.25	5996.84	72.32	45.93	61.70	0.22	76.92	53.33
6100.00	3.11	333.82	6096.65	75.12	51.26	58.71	0.86	77.94	48.87
6200.00	2.36	337.71	6196.54	77.66	55.61	56.73	0.77	79.44	45.57
6300.00	1.70	339.90	6296.47	79.70	58.91	55.44	0.67	80.89	43.26
6400.00	1.49	348.69	6396.44	81.50	61.57	54.67	0.32	82.34	41.60
6500.00	1.28	353.92	6496.41	83.29	63.96	54.30	0.24	83.90	40.33
6600.00	0.88	1.45	6596.39	84.80	65.84	54.20	0.43	85.28	39.46
6700.00	0.64	0.60	6696.38	85.93	67.16	54.22	0.24	86.32	38.92
6800.00	0.31	354.56	6796.38	86.60	67.99	54.21	0.34	86.95	38.56
6900.00	0.36	297.48	6896.38	86.78	68.40	53.90	0.32	87.09	38.24
7000.00	0.45	295.19	6996.37	86.69	68.71	53.26	0.09	86.94	37.78
7100.00	0.38	279.21	7096.37	86.50	68.94	52.58	0.14	86.70	37.33
7200.00	0.62	257.03	7196.37	85.97	68.87	51.72	0.31	86.13	36.91
7300.00	0.54	246.09	7296.36	85.18	68.55	50.76	0.14	85.30	36.52
7400.00	0.42	218.00	7396.36	84.42	68.08	50.11	0.26	84.53	36.35
7500.00	0.50	211.17	7496.35	83.62	67.42	49.66	0.10	83.73	36.37
7600.00	0.72	183.78	7596.35	82.64	66.42	49.39	0.36	82.77	36.63



Survey Report

Well Name: Rosa Unit 630
Survey: Computed from ROSA630.BIN's HighSpeed: OutRun
Survey Date: 2010/05/26

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft	Closure Distance ft	Closure Angle deg
7700.00	0.82	203.43	7696.34	81.39	65.13	49.06	0.28	81.54	36.99
7800.00	0.98	295.95	7796.33	80.57	64.85	48.01	1.31	80.69	36.51
7900.00	0.79	309.72	7896.32	80.53	65.67	46.71	0.28	80.58	35.42
8000.00	0.71	321.95	7996.31	80.80	66.59	45.79	0.18	80.82	34.52
8100.00	0.47	27.20	8096.31	81.41	67.44	45.60	0.66	81.41	34.07
8200.00	0.53	10.07	8196.30	82.24	68.27	45.87	0.16	82.25	33.90
8300.00	0.70	15.88	8296.30	83.25	69.31	46.12	0.18	83.25	33.64
8370.00	0.98	15.40	8366.29	84.22	70.29	46.39	0.40	84.22	33.43