

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 02 2010

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use APPLICATION TO DRILL for permit for such proposals

Farmington Field Office
Bureau of Land Management

5. Lease Designation and Serial No.
NMSF-078890 ✓

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
Rosa

8. Well Name and No.
Rosa Unit #630

9. API Well No.
30-039-29508

10. Field and Pool, or Exploratory Area
Blanco MV/Basin MC/Basin DK

11. County or Parish, State
Rio Arriba, NM

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

3. Address and Telephone No.
PO BOX 640 Aztec, NM 87410-0640 634-4208

4. Location of Well (Footage, Sec., T., R., M., or Survey Description) ✓
Surface: 2480' FNL & 2230' FEL - BHL: 2410' FNL & 2184' FEL, SEC 7, T31N, R4W

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent
☒ Subsequent Report
Final Abandonment

TYPE OF ACTION

Abandonment
Recompletion
Plugging Back
Casing Repair
Altering Casing
☒ Other COMPLETION ✓

Change of Plans
New Construction
Non-Routine Fracturing
Water Shut-Off
Conversion to Injection
Dispose Water
Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

6-29-10 - MIRU AWS #753 for completion operations. Run gyro and CBL, TOC @ 3330', Pressure test casing to 1200 psi for 30 minutes, good test ✓

7-6-10 - DO cement to PBTD @ 8435'

7-7-10 - Perf Dakota 1st stage, 8303'-8307', with 9, 0.34" holes. BD Dakota 1st stage @ 2544#, no frac

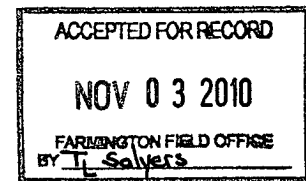
7-8-10 - TIH with packer and set @ 8225', test Dakota 1st stage

7-9-10 - TOH with packer. TIH and set CIBP @ 8250'

7-12-10 - Perf Dakota 2nd stage, 8023'-8126' with 57, 0.34" holes

7-13-10 - Frac Dakota 2nd stage with 5,000# 100 mesh followed with 102,800# 40/70 mesh Ottawa

7-14 thru 7-25-10 - Flow and test Dakota 2nd stage



RCVD NOV 9 '10
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed Larry Higgins
Larry Higgins

Title PERMIT SUPV Date 11-2-10

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

Rosa Unit #630 – Page 2

7-26-10 – Set CIBP @ 8086'

7-27 thru 7-28-10 – Test Dakota 2nd stage perf 8023'-8086'

7-29-10 – Set CIBP @ 8010'

7-30-10 – Perf Dakota 3rd stage, 7940'-7990' with 33, 0.34" holes

7-31 thru 8-10-10 – Wait on frac

8-11-10 – Frac Dakota 3rd stage with 2,400# 100 mesh sand followed with 77,100# 30/50 mesh Ottawa

8-12 thru 8-20-10 – Flow and test Dakota 3rd stage

8-21-10 – Set CIBP @ 7935'

8-22-10 – Perf Mancos 1st stage, 7855'-7890' with 24, 0.34" holes

8-27-10 – Frac Mancos 1st stage with 5,700# 100 mesh sand followed with 85,400# 40/70 mesh Ottawa

8-28 thru 9-3-10 – Flow and test Mancos 1st stage

9-4-10 – Set CIBP @ 7800'

9-8-10 – Perf Mancos 2nd stage, 7550'-7660', with 36, 0.34" holes

9-12-10 – Attempt to frac Mancos 2nd stage. Pumped 400# 100 mesh sand and screened out

9-16-10 – Re-perf Mancos 2nd stage, 7555'-7665' with 36, 0.34" holes, Now have total of 72 holes, 7550'-7665'

9-18-10 – Frac Mancos 2nd stage with 15,000# 100 mesh sand (total of 15,400#) followed with 32, 100# 30/50 mesh Ottawa. Left 11,700# 30/50 Ottawa and 90,300# 20/40 Ottawa in mountain mover ✓

9-24-10 – Set CIBP @ 7520'

9-25-10 – Perf Mancos 3rd stage, 7280'-7435', with 42, 0.34" holes

9-28-10 – Frac Mancos 3rd stage with 18,032# 100 mesh sand followed with 38,063# 30/50 mesh Ottawa followed with 88,847# 20/40 mesh Ottawa

9-29 thru 10-10-10 – Flow and test Mancos 3rd stage

10-11-10 – Set CIBP @ 7250'

10-12-10 – Perf Mancos 4th stage, 7000'-7195', with 48, 0.34" holes

10-17-10 – Frac Mancos 4th stage with 14,383# 100 mesh sand followed with 44,353# 30/50 mesh Ottawa followed with 97,056# 20/40 mesh Ottawa

10-18 thru 10-23-10 – Flow and test Mancos 4th stage

10-24-10 – DO CIBP @ 7250'

10-25-10 – DO CIBP @ 7520'

10-26-10 – DO CIBP @ 7800'

10-28-10 – Land well @ 7753' as follows: ½ MS/exp ck @ 7753', 1 jt 2-3/8" 4.7#, J-55, eue 8rd tbg, 1.78" ID f-nipple @ 7721', 128 jts 2-3/8" 4.7# J-55 eue 8rd tubing, 114 jts 2-3/8" 4.7# N-80 eue 8rd tubing (243 total joints of tubing) ✓

NOTE: Due to winter closure we are going to produce this well through the winter as a Mancos only. ✓ We will return in the spring of 2011 to do additional Mancos completion as well as look at the Mesaverde. ✓ At that time we will drill out all bridge plugs and complete the well as a commingle ✓



Scientific Drilling

Gyroscopic Survey Report for Williams

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



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
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
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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