

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 30-039-30812		*Pool Code	*Pool Name
*Property Code	*Property Name ROSA UNIT SWD		*Well Number 2
*OGRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6447'

¹⁰ Surface Location

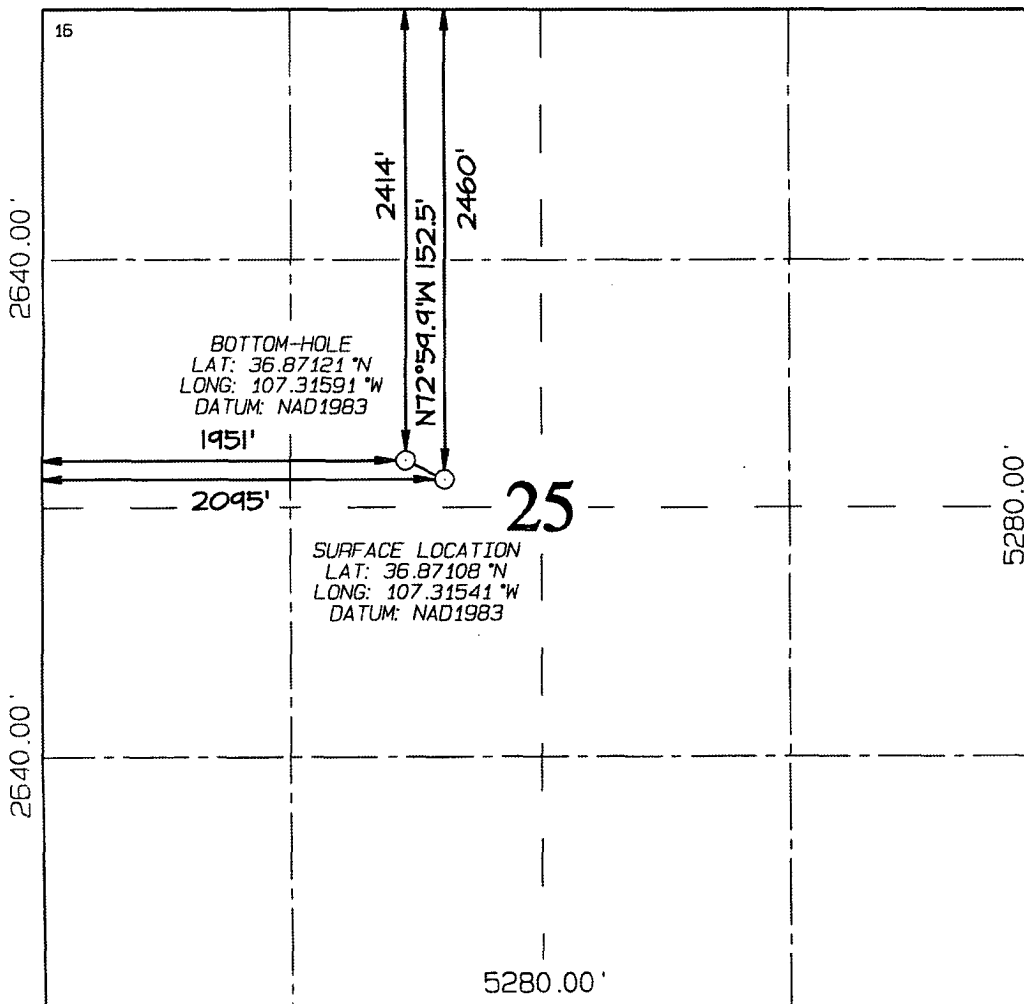
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	25	31N	5W		2460	NORTH	2095	WEST	RIO ARriba

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
F	25	31N	5W		2414	NORTH	1951	WEST	RIO ARriba
¹² Dedicated Acres					¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD NOV 16 '10 OIL CONS. DIV.		

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 **DIST. 3**

5284.62'



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 11-15-10
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.

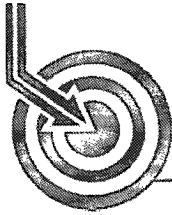
Date of Survey: JUNE 15, 2009

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269



Scientific Drilling

Gyroscopic Survey Report for Williams

Well Location	SEC 25-T31N-R5W
Well Name	Rosa Unit SWD #2 30-039-30812
Rig Name	AWS 471
Survey Date	10/5/2010
Latitude	36.87 deg
North Reference	True North
Grid Correction	0.00 deg
Depth Reference	RKB
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 287.86Azim (deg)
Definitive Survey	Computed from ROSAUNIT.BIN's HighSpeed: OutRun
Operator	S. Heth

Comments

7" casing. Run1 on 10/2/10 tool would not go past 6230. Came back to survey on 10/5/10 to finish after rig cleaned out hole.



Survey Report

Well Name: Rosa Unit SWD #2
 Survey: Computed from ROSAUNIT.BIN's HighSpeed: OutRun
 Survey Date: 10/5/2010

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.71	147.63	100.00	-0.47	-0.52	0.33	0.62	147.63
200.00	0.47	166.52	199.99	-1.16	-1.44	0.75	1.62	152.31
300.00	0.40	140.68	299.99	-1.66	-2.11	1.07	2.36	153.05
400.00	0.38	163.96	399.99	-2.14	-2.69	1.38	3.03	152.82
500.00	0.47	214.69	499.98	-2.21	-3.35	1.24	3.57	159.63
600.00	0.53	209.11	599.98	-2.00	-4.08	0.79	4.16	169.09
700.00	0.71	252.45	699.98	-1.41	-4.67	-0.03	4.67	180.32
800.00	0.96	261.29	799.97	-0.15	-4.98	-1.45	5.19	196.17
900.00	1.28	271.87	899.95	1.67	-5.07	-3.39	6.11	213.78
1000.00	1.55	281.42	999.92	4.10	-4.77	-5.84	7.54	230.77
1100.00	1.63	283.92	1099.88	6.86	-4.16	-8.55	9.51	244.07
1200.00	1.65	284.93	1199.84	9.72	-3.45	-11.33	11.84	253.08
1300.00	1.78	288.30	1299.79	12.72	-2.59	-14.19	14.43	259.68
1400.00	2.22	292.42	1399.73	16.20	-1.36	-17.46	17.51	265.55
1500.00	2.90	294.43	1499.63	20.64	0.42	-21.55	21.55	271.13
1600.00	3.07	292.70	1599.49	25.82	2.50	-26.32	26.44	275.43
1700.00	3.84	292.68	1699.31	31.83	4.83	-31.88	32.25	278.61
1800.00	3.98	291.04	1799.08	38.63	7.37	-38.21	38.91	280.91
1900.00	4.19	291.70	1898.82	45.73	9.96	-44.84	45.93	282.52
2000.00	4.03	292.57	1998.57	52.88	12.66	-51.48	53.02	283.82
2100.00	4.37	295.62	2098.30	60.16	15.66	-58.16	60.24	285.07
2200.00	4.30	297.38	2198.01	67.63	19.03	-64.93	67.66	286.33
2300.00	4.60	299.71	2297.71	75.25	22.74	-71.74	75.25	287.59
2400.00	4.79	299.60	2397.38	83.27	26.79	-78.85	83.28	288.76
2500.00	4.88	300.78	2497.02	91.51	31.03	-86.14	91.56	289.81
2600.00	3.95	299.97	2596.72	99.03	34.93	-92.78	99.14	290.63
2700.00	3.34	302.36	2696.52	105.22	38.21	-98.23	105.41	291.26
2800.00	2.75	303.94	2796.38	110.35	41.11	-102.69	110.61	291.82
2900.00	2.87	307.67	2896.26	115.01	43.98	-106.66	115.37	292.41
3000.00	2.83	308.22	2996.13	119.68	47.04	-110.58	120.17	293.05
3100.00	2.59	307.34	3096.02	124.13	49.95	-114.32	124.76	293.60
3200.00	2.40	306.91	3195.93	128.24	52.57	-117.79	128.99	294.05
3300.00	1.84	305.78	3295.86	131.74	54.77	-120.77	132.60	294.39
3400.00	1.82	311.46	3395.81	134.72	56.75	-123.26	135.70	294.72
3500.00	1.72	316.00	3495.76	137.50	58.88	-125.49	138.62	295.14
3600.00	1.58	312.21	3595.72	140.08	60.89	-127.55	141.33	295.52
3700.00	1.43	309.50	3695.68	142.49	62.60	-129.53	143.86	295.80
3800.00	1.33	306.74	3795.65	144.75	64.09	-131.42	146.22	296.00



Survey Report

Well Name: Rosa Unit SWD #2
Survey: Computed from ROSAUNIT.BIN's HighSpeed: OutRun
Survey Date: 10/5/2010

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg
3900.00	1.39	300.64	3895.63	147.03	65.40	-133.39	148.56	296.12
4000.00	0.62	229.38	3995.61	148.49	65.67	-134.84	149.98	295.97
4100.00	0.70	180.72	4095.61	148.59	64.71	-135.26	149.94	295.57
4200.00	0.86	155.17	4195.60	147.90	63.41	-134.95	149.11	295.17
4300.00	0.88	154.25	4295.59	146.86	62.04	-134.30	147.94	294.79
4400.00	0.76	143.95	4395.58	145.79	60.81	-133.58	146.77	294.48
4500.00	0.68	142.35	4495.57	144.76	59.80	-132.82	145.66	294.24
4600.00	0.59	156.77	4595.56	143.93	58.85	-132.25	144.76	293.99
4700.00	0.52	172.43	4695.56	143.40	57.93	-131.99	144.15	293.70
4800.00	0.40	192.38	4795.55	143.17	57.14	-132.01	143.84	293.41
4900.00	0.42	192.25	4895.55	143.10	56.44	-132.16	143.71	293.13
5000.00	0.33	189.97	4995.55	143.03	55.80	-132.29	143.57	292.87
5100.00	0.47	189.85	5095.55	142.93	55.12	-132.41	143.42	292.60
5200.00	0.41	196.90	5195.54	142.87	54.37	-132.58	143.30	292.30
5300.00	0.52	213.34	5295.54	142.98	53.65	-132.94	143.35	291.98
5400.00	0.49	251.91	5395.54	143.45	53.13	-133.59	143.77	291.69
5500.00	0.55	296.16	5495.53	144.26	53.21	-134.42	144.57	291.60
5600.00	0.52	303.36	5595.53	145.17	53.67	-135.23	145.49	291.65
5700.00	0.39	306.49	5695.53	145.93	54.12	-135.88	146.26	291.72
5800.00	0.40	285.86	5795.52	146.60	54.42	-136.49	146.93	291.74
5900.00	0.36	301.81	5895.52	147.26	54.68	-137.09	147.60	291.74
6000.00	0.34	308.75	5995.52	147.84	55.03	-137.60	148.19	291.80
6100.00	0.25	303.47	6095.52	148.33	55.34	-138.01	148.69	291.85
6200.00	0.44	218.47	6195.52	148.68	55.16	-138.43	149.02	291.73
6300.00	0.38	238.34	6295.51	149.03	54.69	-138.95	149.33	291.48
6400.00	0.41	236.54	6395.51	149.47	54.32	-139.54	149.74	291.27
6500.00	0.38	240.90	6495.51	149.92	53.96	-140.12	150.15	291.06
6600.00	0.30	247.27	6595.51	150.34	53.70	-140.65	150.56	290.90
6700.00	0.34	234.90	6695.51	150.72	53.43	-141.14	150.91	290.73
6800.00	0.37	254.98	6795.50	151.17	53.18	-141.68	151.33	290.57
6900.00	0.32	258.59	6895.50	151.68	53.04	-142.26	151.83	290.45
7000.00	0.36	238.28	6995.50	152.12	52.82	-142.80	152.26	290.30
7100.00	0.42	235.35	7095.50	152.55	52.45	-143.37	152.66	290.09
7200.00	0.32	240.96	7195.50	152.96	52.10	-143.91	153.06	289.90
7300.00	0.21	254.92	7295.49	153.30	51.92	-144.33	153.39	289.79
7400.00	0.32	225.73	7395.49	153.58	51.68	-144.70	153.65	289.66
7500.00	0.20	254.20	7495.49	153.85	51.44	-145.07	153.92	289.53
7600.00	0.31	208.62	7595.49	154.05	51.16	-145.36	154.10	289.39



Survey Report

Well Name:		Rosa Unit SWD #2						
Survey:		Computed from ROSAUNIT.BIN's HighSpeed: OutRun						
Survey Date:		10/5/2010						
MD	Inc	Azim	TVD	VS	Northing	Easting	Closure Distance	Closure Angle
ft	deg	deg	ft	ft	ft	ft	ft	deg
7700.00	0.49	194.13	7695.49	154.07	50.51	-145.60	154.11	289.13
7800.00	0.36	171.67	7795.49	153.90	49.78	-145.66	153.93	288.87
7900.00	0.36	152.86	7895.48	153.54	49.18	-145.47	153.55	288.68
8000.00	0.25	131.67	7995.48	153.11	48.75	-145.16	153.12	288.56
8100.00	0.24	142.77	8095.48	152.74	48.44	-144.87	152.75	288.49
8200.00	0.28	118.32	8195.48	152.33	48.16	-144.53	152.34	288.43
8300.00	0.24	138.73	8295.48	151.91	47.89	-144.17	151.92	288.37
8400.00	0.25	131.43	8395.48	151.53	47.59	-143.87	151.54	288.30
8500.00	0.39	134.57	8495.48	151.03	47.20	-143.47	151.03	288.21
8600.00	0.44	142.97	8595.48	150.41	46.66	-142.99	150.41	288.07
8700.00	0.46	191.15	8695.47	150.05	45.96	-142.84	150.05	287.84
8800.00	0.26	190.34	8795.47	149.97	45.34	-142.96	149.98	287.60
8900.00	0.08	349.66	8895.47	149.98	45.19	-143.01	149.98	287.54
9000.00	0.32	294.04	8995.47	150.29	45.37	-143.28	150.29	287.57
9100.00	0.35	319.31	9095.47	150.82	45.72	-143.73	150.82	287.64
9200.00	0.20	24.98	9195.47	151.06	46.11	-143.85	151.06	287.77
9300.00	0.13	321.85	9295.47	151.14	46.36	-143.85	151.14	287.86
9301.00	0.14	317.28	9296.47	151.14	46.36	-143.85	151.14	287.86