

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"

¹ API Number 30-045-34278	² Pool Code 97232 / 72319 / 71599	³ Pool Name BASIN MANCOS / BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 17033	⁵ Property Name ROSA UNIT COM	⁶ Well Number 90C
⁷ OGRID No. 120782	⁸ Operator Name WILLIAMS PRODUCTION COMPANY	⁹ Elevation 6383'

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	33	32N	6W		1655	NORTH	1855	EAST	SAN JUAN

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
A	33	32N	6W		859	NORTH	950	EAST	SAN JUAN

¹² Dedicated Acres 320.0 Acres - (E/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD NOV 4 '09 OIL CON. 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

16 BOTTOM-HOLE LAT: 36.94152°N LONG: 107.45829°W DATUM: NAD1983 SURFACE LOCATION LAT: 36.93928°N LONG: 107.46140°W DATUM: NAD1983 LEASE SF-078772	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. <i>Heather Riley</i> 11/2/09 Signature Date Heather Riley 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 27, 2009 Date of Survey: APRIL 25, 2006 Signature and Seal of Professional Surveyor JASON C. EDWARDS Certificate Number 15269
--	---



Scientific Drilling

Gyroscopic Survey Report for WILLIAMS PRODUCTION

Well Location	
Well Name	ROSA UNIT #90C 30-045-34278
Rig Name	
Survey Date	10/26/2009
Latitude	36.94 deg
North Reference	True North
Grid Correction	0.00 deg
Depth Reference	RKB 16.5'
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 48.64Azim (deg)
Definitive Survey	Computed from ROSA90C.BIN's HighSpeed: OutRun and ROSA9...
Operator	CHRIS RICHEY

Comments

RKB 16.5'

RCVD NOV 4 '09
OIL CONS. DIV.
DIST. 3



Survey Report

Well Name: ROSA UNIT #90C

Survey: Computed from ROSA90C.BIN's HighSpeed: OutRun and ROSA90C.BIN's HighSpeed: InRun

Survey Date: 10/26/2009

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	0.27	267.87	100.00	-0.18	-0.01	-0.24	0.27	0.24	267.87
200.00	1.17	345.20	199.99	0.09	0.97	-0.74	1.14	1.21	322.71
300.00	2.41	345.46	299.94	1.49	3.98	-1.52	1.24	4.26	339.07
400.00	2.50	8.48	399.85	4.10	8.17	-1.73	0.98	8.35	348.05
500.00	5.06	41.66	499.64	10.14	13.62	1.53	3.27	13.70	6.40
600.00	8.05	53.71	598.98	21.50	21.06	10.11	3.27	23.36	25.64
700.00	11.47	64.42	697.52	38.05	29.50	24.72	3.86	38.49	39.97
800.00	15.66	67.46	794.71	60.40	38.97	46.16	4.24	60.42	49.83
900.00	19.72	68.02	889.97	89.10	50.46	74.28	4.06	89.80	55.81
1000.00	23.81	66.43	982.82	124.25	64.86	108.44	4.14	126.36	59.12
1100.00	29.05	65.61	1072.34	166.72	82.97	149.08	5.25	170.62	60.90
1200.00	33.59	63.11	1157.74	216.76	105.52	195.89	4.73	222.51	61.69
1300.00	37.62	58.69	1239.04	273.64	133.91	246.67	4.77	280.68	61.50
1400.00	38.90	55.20	1317.57	334.89	167.69	298.54	2.51	342.42	60.68
1500.00	39.83	55.42	1394.88	397.89	203.79	350.70	0.93	405.61	59.84
1600.00	38.64	57.08	1472.34	460.57	238.93	403.27	1.58	468.74	59.35
1700.00	38.87	57.69	1550.33	522.44	272.67	456.00	0.45	531.30	59.12
1800.00	38.84	58.05	1628.20	584.37	306.04	509.12	0.23	594.03	58.99
1900.00	39.16	58.68	1705.91	646.40	339.05	562.70	0.51	656.96	58.93
2000.00	38.44	58.23	1783.85	708.14	371.83	616.11	0.78	719.61	58.89
2100.00	36.74	57.89	1863.09	768.31	404.09	667.87	1.71	780.60	58.82
2200.00	35.45	59.23	1943.89	826.34	434.83	718.12	1.51	839.51	58.80
2300.00	33.73	59.18	2026.21	882.15	463.90	766.88	1.72	896.28	58.83
2400.00	31.81	59.23	2110.29	935.36	491.61	813.38	1.92	950.40	58.85
2500.00	30.60	59.58	2195.82	986.26	517.98	857.98	1.22	1002.21	58.88
2600.00	29.48	57.64	2282.38	1035.56	544.04	900.72	1.48	1052.27	58.87
2700.00	26.96	55.93	2370.49	1082.36	569.92	940.29	2.65	1099.52	58.78
2800.00	24.04	56.30	2460.74	1125.03	593.92	976.01	2.93	1142.52	58.68
2900.00	21.36	57.32	2552.99	1163.23	615.06	1008.29	2.70	1181.08	58.62
3000.00	18.43	59.80	2647.01	1196.75	632.85	1037.29	3.05	1215.10	58.61
3100.00	15.67	56.85	2742.61	1225.63	648.19	1062.26	2.89	1244.41	58.61
3200.00	13.40	57.13	2839.40	1250.46	661.86	1083.30	2.27	1269.49	58.58
3300.00	12.62	57.20	2936.84	1272.72	674.07	1102.22	0.77	1292.00	58.55
3400.00	9.41	65.12	3034.99	1291.37	683.43	1118.82	3.55	1311.05	58.58
3500.00	7.99	68.01	3133.83	1305.77	689.48	1132.68	1.48	1326.03	58.67
3600.00	8.09	55.27	3232.86	1319.32	696.09	1144.92	1.78	1339.92	58.70
3700.00	5.70	58.90	3332.13	1331.21	702.67	1154.96	2.43	1351.91	58.68
3800.00	2.59	82.46	3431.86	1337.98	705.54	1161.46	3.49	1358.96	58.72



Survey Report

Well Name: ROSA UNIT #90C

Survey: Computed from ROSA90C.BIN's HighSpeed: OutRun and ROSA90C.BIN's HighSpeed: InRun

Survey Date: 10/26/2009

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	1.07	175.74	3531.82	1339.29	704.90	1163.77	2.86	1360.60	58.80
4000.00	0.81	187.36	3631.81	1338.20	703.26	1163.75	0.33	1359.74	58.85
4100.00	0.83	279.10	3731.80	1337.21	702.68	1162.94	1.17	1358.75	58.86
4200.00	2.96	263.19	3831.74	1334.62	702.49	1159.67	2.18	1355.84	58.79
4300.00	4.32	262.26	3931.54	1329.36	701.67	1153.37	1.36	1350.04	58.69
4400.00	4.78	272.05	4031.22	1323.20	701.32	1145.48	0.90	1343.12	58.52
4500.00	5.43	269.96	4130.82	1316.62	701.46	1136.58	0.67	1335.62	58.32
4600.00	6.94	271.92	4230.24	1308.67	701.66	1125.82	1.53	1326.57	58.07
4700.00	8.24	275.97	4329.36	1299.41	702.61	1112.65	1.40	1315.92	57.73
4800.00	5.32	274.56	4428.65	1291.33	703.72	1100.91	2.93	1306.61	57.41
4900.00	4.56	271.21	4528.28	1285.18	704.17	1092.31	0.81	1299.62	57.19
5000.00	3.61	267.72	4628.03	1279.81	704.13	1085.20	0.99	1293.62	57.02
5100.00	3.37	263.94	4727.84	1274.97	703.70	1079.13	0.33	1288.30	56.89
5200.00	2.44	263.84	4827.71	1270.83	703.16	1074.09	0.93	1283.79	56.79
5300.00	2.44	268.09	4927.62	1267.45	702.86	1069.85	0.18	1280.08	56.70
5400.00	3.05	270.41	5027.51	1263.82	702.81	1065.07	0.62	1276.05	56.58
5500.00	2.66	273.11	5127.38	1260.18	702.95	1060.09	0.41	1271.98	56.45
5600.00	2.12	271.92	5227.29	1257.18	703.14	1055.92	0.55	1268.61	56.34
5700.00	1.68	274.77	5327.24	1254.82	703.32	1052.62	0.45	1265.97	56.25
5800.00	1.49	271.46	5427.20	1252.85	703.48	1049.86	0.21	1263.76	56.18
5900.00	1.92	261.12	5527.16	1250.49	703.25	1046.91	0.53	1261.18	56.11
6000.00	2.10	264.31	5627.10	1247.59	702.81	1043.43	0.21	1258.05	56.04
6100.00	1.94	263.04	5727.03	1244.70	702.43	1039.93	0.16	1254.93	55.96
6200.00	1.63	256.11	5826.98	1242.04	701.88	1036.86	0.38	1252.09	55.90
6300.00	1.61	259.44	5926.94	1239.57	701.28	1034.10	0.10	1249.46	55.86
6400.00	2.27	257.40	6026.89	1236.63	700.59	1030.79	0.67	1246.34	55.80
6500.00	2.67	255.68	6126.79	1232.82	699.58	1026.59	0.40	1242.30	55.73
6600.00	1.78	270.95	6226.72	1229.59	699.03	1022.78	1.06	1238.84	55.65
6700.00	1.18	285.35	6326.68	1227.88	699.33	1020.24	0.70	1236.91	55.57
6800.00	0.74	324.15	6426.67	1227.38	700.12	1018.87	0.76	1236.23	55.50
6900.00	0.41	311.33	6526.67	1227.39	700.89	1018.22	0.35	1236.13	55.46
7000.00	0.56	322.85	6626.66	1227.38	701.51	1017.66	0.17	1236.02	55.42
7100.00	0.06	271.09	6726.66	1227.38	701.90	1017.31	0.52	1235.95	55.40
7200.00	0.27	15.51	6826.66	1227.53	702.13	1017.31	0.29	1236.09	55.39
7300.00	0.39	332.32	6926.66	1227.81	702.66	1017.22	0.27	1236.31	55.36
7400.00	0.83	312.81	7026.65	1227.82	703.45	1016.52	0.48	1236.19	55.32
7500.00	0.59	317.37	7126.65	1227.73	704.33	1015.64	0.25	1235.96	55.26
7600.00	0.87	327.21	7226.64	1227.83	705.34	1014.88	0.31	1235.92	55.20



Survey Report

Well Name: ROSA UNIT #90C
Survey: Computed from ROSA90C.BIN's HighSpeed: OutRun and ROSA90C.BIN's HighSpeed: InRun
Survey Date: 10/26/2009

MD	Inc	Azim	TVD	VS	Northing	Easting	DLS	Closure Distance	Closure Angle
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	deg
7700.00	3.22	293.25	7326.57	1226.74	707.09	1011.89	2.55	1234.46	55.05
7800.00	5.63	302.10	7426.26	1224.14	710.81	1005.15	2.49	1231.09	54.73
7900.00	5.22	304.01	7525.82	1221.59	715.96	997.23	0.45	1227.62	54.32
8000.00	12.48	308.17	7624.56	1218.48	725.19	984.95	7.28	1223.12	53.64
8100.00	14.74	312.82	7721.75	1215.22	740.52	967.12	2.51	1218.07	52.56
8200.00	15.62	314.21	7818.26	1212.89	758.55	948.14	0.96	1214.23	51.34
8300.00	18.61	309.37	7913.83	1209.28	778.07	926.14	3.30	1209.60	49.97
8380.00	22.72	311.33	7988.66	1205.25	796.37	904.67	5.22	1205.25	48.64