

District I
1625 N French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

District II
1301 W Grand Avenue, Artesia, NM 88210

Instructions on back

District III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office

State Lease - 4 Copies
Fee Lease - 3 Copies

District IV
1220 S St. Francis Dr., Santa Fe, NM 87505

☒ AMENDED REPORT
"As Drilled"

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34964	*Pool Code 97232 / 72319 / 71599	*Pool Name BASIN MANCOS / BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 17033	*Property Name ROSA UNIT	*Well Number 750
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY	*Elevation 6294'

¹⁰ Surface Location

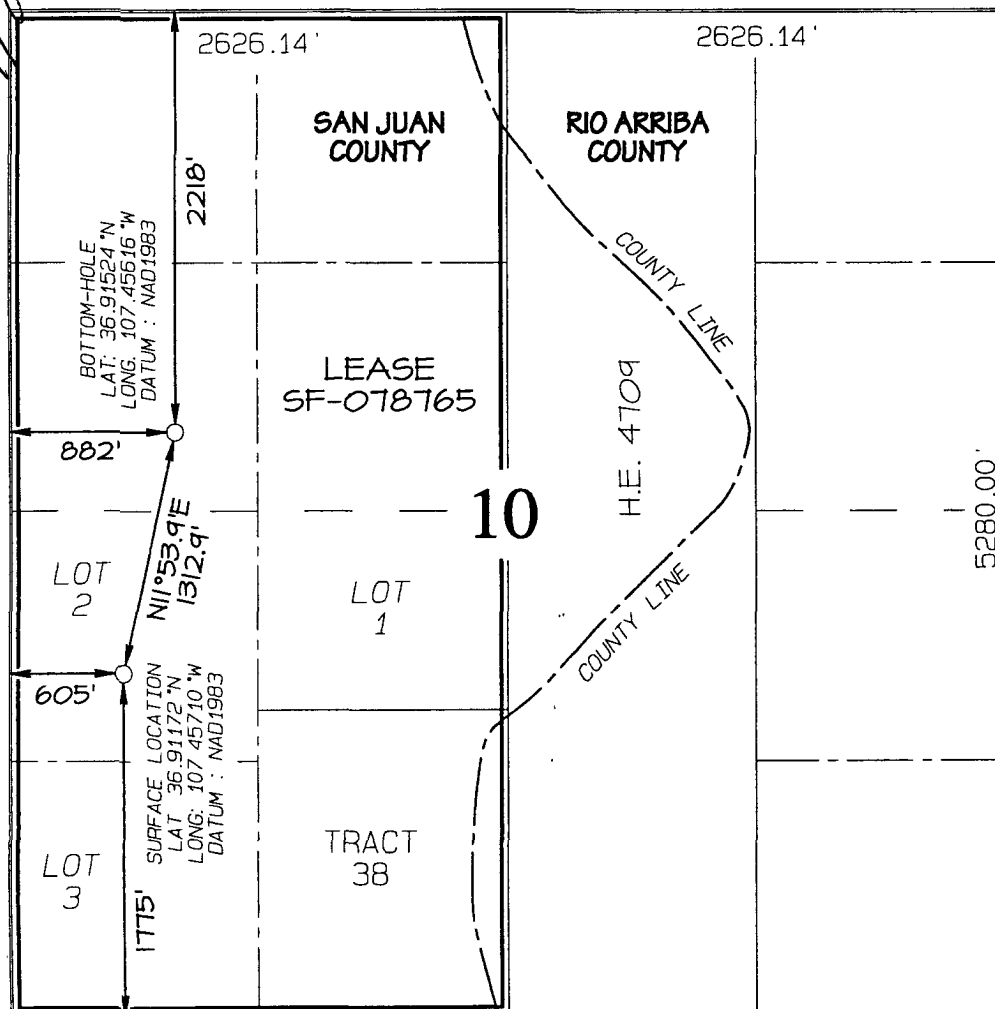
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	10	31N	6W		1775	SOUTH	605	WEST	SAN JUAN

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
E	10	31N	6W		2218	NORTH	882	WEST	SAN JUAN

¹² Dedicated Acres 320.0 Acres - (W/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD JUL 15 '09 OIL CONS. DIV. DIST. 3
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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

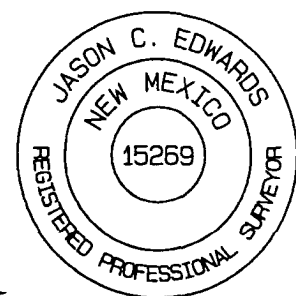
Larry Higgins 7-14-09
Signature Date
Larry Higgins
Printed Name

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

Survey Date: FEBRUARY 15, 2009

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

B 7/20



ROSA UNIT #75D
SAN JUAN CO., NEW MEXICO

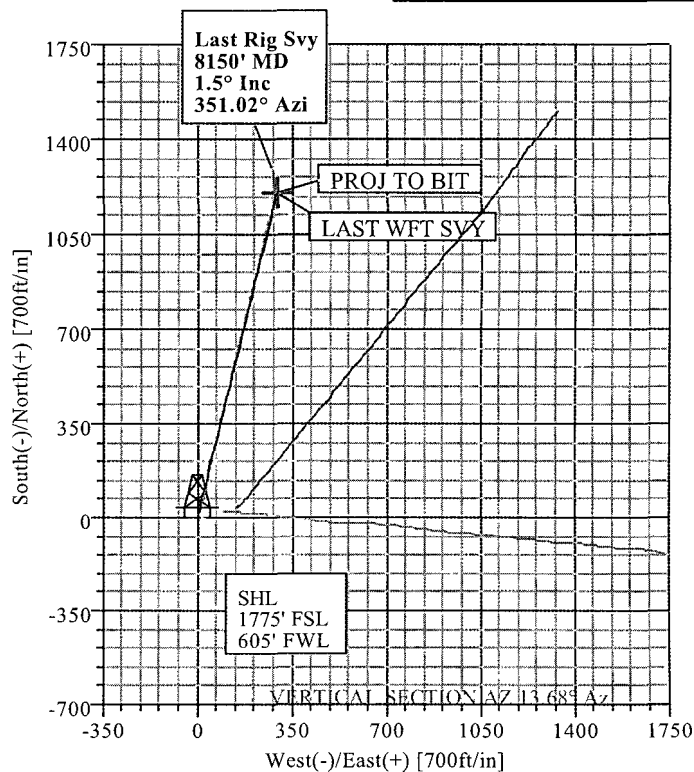
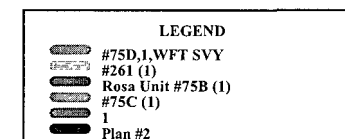
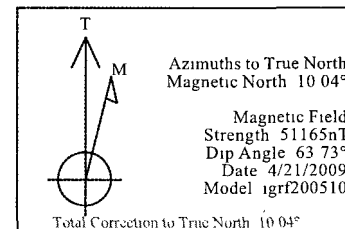
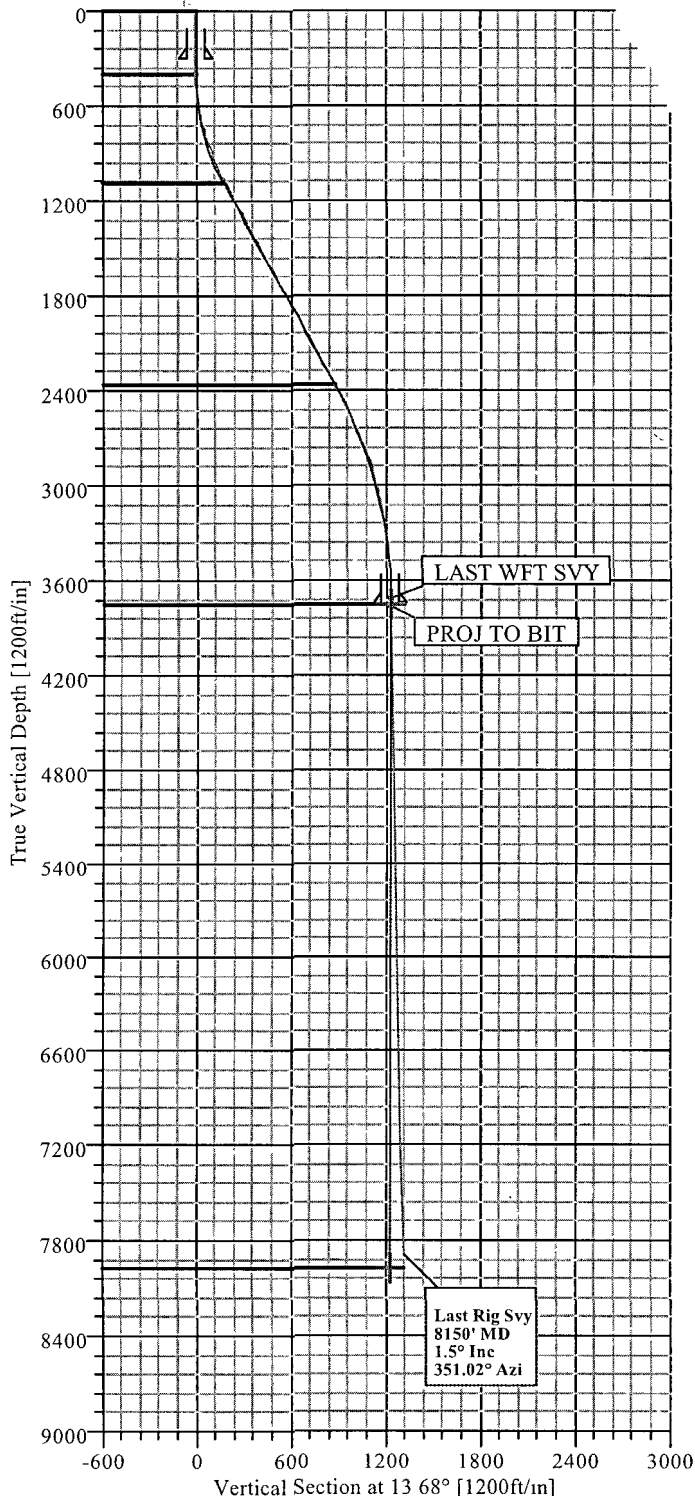
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	13.68	0.00	0.00	0.00	0.00	0.00	0.00	
2	400.00	0.00	13.68	400.00	0.00	0.00	0.00	0.00	0.00	
3	1122.13	28.89	13.68	1091.92	173.15	42.13	4.00	13.68	178.20	
4	2575.12	28.89	13.68	2364.15	855.13	208.07	0.00	0.00	880.08	
5	4019.37	0.00	13.68	3748.00	1201.43	292.34	2.00	180.00	1236.49	Int. Csg. Pt. 2
6	8244.37	0.00	13.68	7973.00	1201.43	292.34	0.00	13.68	1236.49	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#75D	0.00	0.00	2151414.10	2833087.63	36°54'42.190N	107°27'25.560W	N/A

TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape	
Int. Csg. Pt. 2	3748.00	1201.43	292.34	36°54'54.070N	107°27'21.960W	Point	
PBHL	7973.00	1201.43	292.34	36°54'54.070N	107°27'21.960W	Point	



KB ELEV: 6308'
GR ELEV: 6294'



Weatherford®



Weatherford International, Inc.

Survey Report

**Weatherford**

Company:	WILLIAMS PRODUCTION	Date:	7/8/2009	Time:	06:51:07	Page:	1
Field:	San Juan County, NM (NAD 83)	Co-ordinate(NE) Reference:	Well: #75D, True North				
Site:	Rosa Unit #75D	Vertical (TVD) Reference:	SITE 6308.0				
Well:	#75D	Section (VS) Reference:	Well (0:00N,0:00E,13.68Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature				Db: Sybase

Field: San Juan County, NM (NAD 83)

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Western Zone
Coordinate System: Well Centre
Geomagnetic Model: igrf200510

Site: Rosa Unit #75D

1775' FSL 605' FWL of SEC 10 T31N R6W

Site Position:	Northing:	2151414.10 ft	Latitude:	36	54	42.190 N
From: Geographic	Easting:	2833087.63 ft	Longitude:	107	27	25.560 W
Position Uncertainty:	0.00 ft		North Reference:	True		
Ground Level:	6294.00 ft		Grid Convergence:	0.23 deg		

Well: #75D

Slot Name:

Well Position:	+N/-S	0.00 ft	Northing:	2151414.10 ft	Latitude:	36	54	42.190 N
	+E/-W	0.00 ft	Easting:	2833087.63 ft	Longitude:	107	27	25.560 W
Position Uncertainty:	0.00 ft							

Wellpath: 1

Current Datum:	SITE	Height	6308.00 ft	Drilled From:	Surface
Magnetic Data:	4/21/2009			Tie-on Depth:	0.00 ft
Field Strength:	51165 nT			Above System Datum:	Mean Sea Level
Vertical Section:	Depth From (TVD)	+N/-S		Declination:	10.04 deg
	ft	ft		Mag Dip Angle:	63.73 deg
				+E/-W	Direction
				ft	deg
	0.00	0.00		0.00	13.68

Survey: WFT SVY

Start Date: 6/22/2009

Company: Weatherford International, Inc
Tool: MWD;MWD - Standard

Engineer: Lindsey Maddux
Tied-to: From Surface

Survey: WFT SVY

MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
390.00	0.90	171.56	389.98	-3.03	0.45	-2.84	0.23	0.00	0.00	MWD
420.00	0.91	48.70	419.98	-3.11	0.66	-2.86	5.30	0.03	-409.53	MWD
451.00	2.83	27.83	450.96	-2.27	1.21	-1.92	6.47	6.19	-67.32	MWD
482.00	4.70	24.46	481.90	-0.43	2.09	0.07	6.07	6.03	-10.87	MWD
512.00	6.11	20.80	511.76	2.18	3.16	2.86	4.84	4.70	-12.20	MWD
542.00	7.50	19.67	541.55	5.51	4.39	6.40	4.65	4.63	-3.77	MWD
573.00	8.95	16.77	572.23	9.73	5.77	10.82	4.86	4.68	-9.35	MWD
603.00	10.23	16.04	601.81	14.52	7.18	15.81	4.29	4.27	-2.43	MWD
633.00	11.59	15.66	631.27	19.99	8.73	21.48	4.54	4.53	-1.27	MWD
664.00	13.00	15.67	661.56	26.34	10.51	28.08	4.55	4.55	0.03	MWD
694.00	14.19	13.79	690.72	33.16	12.30	35.13	4.23	3.97	-6.27	MWD
724.00	15.31	13.17	719.73	40.59	14.08	42.77	3.77	3.73	-2.07	MWD
754.00	16.56	13.04	748.57	48.61	15.94	51.00	4.17	4.17	-0.43	MWD
785.00	17.75	12.29	778.19	57.53	17.95	60.14	3.90	3.84	-2.42	MWD
815.00	19.00	12.79	806.66	66.76	20.00	69.60	4.20	4.17	1.67	MWD
845.00	19.94	13.04	834.95	76.51	22.24	79.60	3.15	3.13	0.83	MWD
874.00	20.88	13.42	862.13	86.35	24.55	89.71	3.27	3.24	1.31	MWD
904.00	21.56	13.29	890.09	96.92	27.06	100.57	2.27	2.27	-0.43	MWD
935.00	22.31	12.92	918.85	108.20	29.68	112.15	2.46	2.42	-1.19	MWD
967.00	23.00	12.67	948.38	120.22	32.41	124.47	2.18	2.16	-0.78	MWD
997.00	23.63	12.67	975.93	131.80	35.02	136.34	2.10	2.10	0.00	MWD
1027.00	24.38	11.92	1003.33	143.73	37.62	148.55	2.70	2.50	-2.50	MWD
1058.00	25.38	12.54	1031.46	156.47	40.38	161.58	3.33	3.23	2.00	MWD



Weatherford International, Inc.

Survey Report

**Weatherford**

Company:	WILLIAMS PRODUCTION	Date:	7/8/2009	Time:	06:51:07	Page:	2
Field:	San Juan County, NM (NAD 83)	Co-ordinate(NE) Reference:	Well: #75D, True North				
Site:	Rosa Unit #75D	Vertical (TVD) Reference:	SITE 6308.0				
Well:	#75D	Section (VS) Reference:	Well (0.00N,0.00E,13.68Az)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature			Db:	Sybase

Survey: WFT SVY

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DES deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1089.00	25.94	12.54	1059.40	169.58	43.29	175.00	1.81	1.81	0.00	MWD
1119.00	26.50	12.79	1086.31	182.51	46.20	188.26	1.90	1.87	0.83	MWD
1150.00	26.75	12.17	1114.02	196.07	49.20	202.15	1.21	0.81	-2.00	MWD
1180.00	27.19	12.04	1140.76	209.38	52.05	215.75	1.48	1.47	-0.43	MWD
1211.00	27.56	12.04	1168.29	223.32	55.03	229.99	1.19	1.19	0.00	MWD
1242.00	27.25	13.54	1195.81	237.23	58.19	244.26	2.44	-1.00	4.84	MWD
1274.00	27.63	13.79	1224.21	251.56	61.67	259.01	1.24	1.19	0.78	MWD
1305.00	27.81	13.29	1251.65	265.58	65.05	273.43	0.95	0.58	-1.61	MWD
1335.00	28.19	13.29	1278.14	279.28	68.28	287.51	1.27	1.27	0.00	MWD
1367.00	28.50	13.04	1306.31	294.08	71.74	302.70	1.04	0.97	-0.78	MWD
1396.00	28.75	12.67	1331.76	307.62	74.83	316.59	1.06	0.86	-1.28	MWD
1427.00	27.63	12.42	1359.08	321.92	78.02	331.24	3.63	-3.61	-0.81	MWD
1458.00	27.69	12.54	1386.54	335.97	81.13	345.62	0.26	0.19	0.39	MWD
1489.00	28.19	12.04	1413.93	350.16	84.22	360.14	1.78	1.61	-1.61	MWD
1520.00	28.06	13.79	1441.27	364.40	87.48	374.75	2.69	-0.42	5.65	MWD
1551.00	28.38	14.54	1468.58	378.61	91.07	389.41	1.54	1.03	2.42	MWD
1580.00	28.50	14.04	1494.08	392.00	94.48	403.22	0.92	0.41	-1.72	MWD
1609.00	28.63	13.67	1519.55	405.46	97.80	417.09	0.76	0.45	-1.28	MWD
1640.00	28.99	13.86	1546.72	419.97	101.35	432.03	1.20	1.16	0.61	MWD
1670.00	29.31	13.54	1572.92	434.17	104.81	446.64	1.19	1.07	-1.07	MWD
1700.00	28.06	12.67	1599.23	448.19	108.08	461.04	4.39	-4.17	-2.90	MWD
1731.00	28.19	13.29	1626.57	462.43	111.36	475.65	1.03	0.42	2.00	MWD
1762.00	28.31	13.29	1653.88	476.71	114.74	490.32	0.39	0.39	0.00	MWD
1793.00	28.75	13.67	1681.12	491.11	118.19	505.13	1.54	1.42	1.23	MWD
1823.00	29.44	13.79	1707.33	505.28	121.65	519.72	2.31	2.30	0.40	MWD
1854.00	28.25	12.67	1734.48	519.84	125.08	534.67	4.22	-3.84	-3.61	MWD
1884.00	28.19	12.92	1760.92	533.67	128.22	548.86	0.44	-0.20	0.83	MWD
1914.00	28.63	13.29	1787.31	547.57	131.45	563.13	1.58	1.47	1.23	MWD
1945.00	28.75	13.29	1814.50	562.06	134.88	578.01	0.39	0.39	0.00	MWD
1976.00	28.75	12.92	1841.68	576.58	138.26	592.92	0.57	0.00	-1.19	MWD
2007.00	29.38	13.17	1868.77	591.25	141.66	607.98	2.07	2.03	0.81	MWD
2038.00	29.63	12.79	1895.75	606.13	145.08	623.24	1.01	0.81	-1.23	MWD
2069.00	29.25	13.29	1922.75	620.97	148.52	638.48	1.46	-1.23	1.61	MWD
2099.00	29.38	14.29	1948.91	635.24	152.02	653.17	1.69	0.43	3.33	MWD
2131.00	28.56	14.61	1976.90	650.24	155.89	668.67	2.61	-2.56	1.00	MWD
2162.00	28.56	14.42	2004.13	664.59	159.60	683.48	0.29	0.00	-0.61	MWD
2192.00	27.69	14.17	2030.59	678.30	163.10	697.63	2.93	-2.90	-0.83	MWD
2224.00	27.81	14.42	2058.91	692.73	166.78	712.52	0.52	0.37	0.78	MWD
2254.00	28.00	14.04	2085.42	706.34	170.23	726.56	0.87	0.63	-1.27	MWD
2283.00	28.31	14.54	2110.99	719.60	173.61	740.25	1.34	1.07	1.72	MWD
2345.00	27.88	13.79	2165.68	747.91	180.75	769.44	0.90	-0.69	-1.21	MWD
2376.00	27.99	12.67	2193.07	762.05	184.07	783.96	1.73	0.35	-3.61	MWD
2407.00	27.75	12.29	2220.48	776.20	187.21	798.45	0.96	-0.77	-1.23	MWD
2437.00	28.06	13.04	2246.99	789.90	190.29	812.49	1.56	1.03	2.50	MWD
2468.00	28.06	13.29	2274.34	804.10	193.61	827.07	0.38	0.00	0.81	MWD
2497.00	28.50	13.67	2299.88	817.46	196.81	840.81	1.64	1.52	1.31	MWD
2529.00	28.81	13.42	2327.96	832.37	200.40	856.16	1.04	0.97	-0.78	MWD
2560.00	28.38	13.29	2355.18	846.81	203.83	870.99	1.40	-1.39	-0.42	MWD
2590.00	28.50	13.54	2381.56	860.71	207.15	885.28	0.56	0.40	0.83	MWD
2621.00	28.88	13.54	2408.76	875.18	210.63	900.16	1.23	1.23	0.00	MWD
2649.00	29.44	13.29	2433.21	888.45	213.79	913.81	2.05	2.00	-0.89	MWD
2681.00	29.25	13.92	2461.10	903.69	217.48	929.49	1.13	-0.59	1.97	MWD
2710.00	28.38	13.92	2486.51	917.26	220.85	943.46	3.00	-3.00	0.00	MWD



Weatherford International, Inc.

Survey Report

**Weatherford**

Company: WILLIAMS PRODUCTION	Date: 7/8/2009	Time: 06:51:07	Page: 3
Field: San Juan County, NM (NAD 83)	Co-ordinate(NE) Reference: Well: #75D, True North		
Site: Rosa Unit #75D	Vertical (TVD) Reference: SITE 6308.0		
Well: #75D	Section (VS) Reference: Well: (0.00N,0.00E,13.68Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: WFT SVY

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2739.00	27.75	13.54	2512.10	930.51	224.08	957.11	2.26	-2.17	-1.31	MWD
2771.00	26.81	13.08	2540.54	944.78	227.46	971.77	3.01	-2.94	-1.44	MWD
2801.00	26.13	12.04	2567.40	957.83	230.37	985.14	2.74	-2.27	-3.47	MWD
2832.00	25.44	11.92	2595.31	971.02	233.17	998.62	2.23	-2.23	-0.39	MWD
2863.00	24.69	12.67	2623.39	983.86	235.97	1011.75	2.63	-2.42	2.42	MWD
2894.00	24.00	13.92	2651.63	996.29	238.90	1024.53	2.78	-2.23	4.03	MWD
2924.00	23.56	14.67	2679.09	1008.01	241.89	1036.62	1.78	-1.47	2.50	MWD
2955.00	22.81	14.29	2707.58	1019.83	244.94	1048.83	2.47	-2.42	-1.23	MWD
2985.00	22.19	13.04	2735.30	1030.99	247.65	1060.31	2.61	-2.07	-4.17	MWD
3017.00	21.38	11.54	2765.01	1042.59	250.18	1072.18	3.07	-2.53	-4.69	MWD
3049.00	20.81	10.92	2794.87	1053.88	252.43	1083.69	1.91	-1.78	-1.94	MWD
3080.00	19.38	11.67	2823.98	1064.33	254.51	1094.33	4.69	-4.61	2.42	MWD
3111.00	18.06	13.67	2853.34	1074.04	256.69	1104.27	4.73	-4.26	6.45	MWD
3143.00	16.63	17.29	2883.89	1083.23	259.22	1113.80	5.60	-4.47	11.31	MWD
3174.00	15.25	18.04	2913.69	1091.34	261.80	1122.30	4.50	-4.45	2.42	MWD
3206.00	13.88	18.04	2944.66	1098.99	264.29	1130.32	4.28	-4.28	0.00	MWD
3237.00	12.88	18.29	2974.82	1105.81	266.53	1137.47	3.23	-3.23	0.81	MWD
3268.00	11.88	16.42	3005.10	1112.15	268.52	1144.10	3.47	-3.23	-6.03	MWD
3300.00	11.63	16.79	3036.43	1118.40	270.38	1150.61	0.82	-0.78	1.16	MWD
3331.00	11.50	16.42	3066.80	1124.35	272.16	1156.82	0.48	-0.42	-1.19	MWD
3363.00	11.69	17.04	3098.15	1130.51	274.01	1163.24	0.71	0.59	1.94	MWD
3394.00	11.69	15.29	3128.50	1136.54	275.76	1169.52	1.14	0.00	-5.65	MWD
3425.00	11.75	14.79	3158.86	1142.63	277.39	1175.81	0.38	0.19	-1.61	MWD
3456.00	11.75	12.79	3189.21	1148.76	278.89	1182.13	1.31	0.00	-6.45	MWD
3487.00	11.31	12.92	3219.58	1154.80	280.27	1188.32	1.42	-1.42	0.42	MWD
3519.00	11.19	15.04	3250.97	1160.85	281.78	1194.56	1.35	-0.37	6.62	MWD
3550.00	10.19	15.54	3281.43	1166.40	283.30	1200.31	3.24	-3.23	1.61	MWD
3580.00	9.19	16.67	3311.00	1171.25	284.69	1205.36	3.39	-3.33	3.77	MWD
3612.00	8.25	11.79	3342.63	1175.95	285.90	1210.20	3.74	-2.94	-15.25	MWD
3643.00	7.71	5.95	3373.33	1180.19	286.57	1214.49	3.14	-1.74	-18.84	MWD
3673.00	6.94	4.42	3403.09	1184.00	286.91	1218.27	2.65	-2.57	-5.10	MWD
3705.00	5.94	11.04	3434.89	1187.55	287.38	1221.83	3.89	-3.12	20.69	MWD
3736.00	4.88	17.04	3465.75	1190.39	288.07	1224.75	3.87	-3.42	19.35	MWD
3767.00	3.69	27.42	3496.66	1192.54	288.92	1227.04	4.57	-3.84	33.48	MWD
3799.00	3.00	39.79	3528.61	1194.09	289.93	1228.79	3.11	-2.16	38.66	MWD
3830.00	2.44	35.29	3559.57	1195.26	290.83	1230.13	1.93	-1.81	-14.52	MWD
3858.00	1.44	36.79	3587.55	1196.02	291.39	1231.01	3.58	-3.57	5.36	MWD
3890.00	0.82	356.94	3619.55	1196.57	291.61	1231.60	3.02	-1.94	-124.53	MWD
3920.00	0.58	328.81	3649.55	1196.92	291.52	1231.91	1.37	-0.80	-93.77	MWD
3951.00	0.60	334.85	3680.54	1197.20	291.37	1232.15	0.21	0.06	19.48	MWD
3986.00	0.99	351.02	3715.54	1197.66	291.25	1232.57	1.27	1.11	46.20	LAST WFT SVY
4035.00	0.99	351.02	3764.53	1198.50	291.12	1233.35	0.00	0.00	0.00	PROJ TO BIT
8150.00	1.50	351.02	7878.55	1286.81	277.16	1315.86	0.01	0.01	0.00	LAST RIG SVY

Annotation

MD ft	TVD ft	
3986.00	3715.54	LAST WFT SVY
4035.00	3764.53	PROJ TO BIT
8150.00	7878.55	LAST RIG SVY