

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

¹ API Number 39-30179	² Pool Code 97232 / 72319 / 71599	³ Pool Name BASIN MANCOS / BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 17033	⁵ Property Name ROSA UNIT	⁶ Well Number 9C
⁷ OGRID No. 120782	⁸ Operator Name WILLIAMS PRODUCTION COMPANY	⁹ Elevation 6386'

¹⁰ Surface Location

UL or lot no M	Section 11	Township 31N	Range 6W	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
					380	SOUTH	1135	WEST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no M	Section 11	Township 31N	Range 6W	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
					402	SOUTH	438	WEST	RIO ARriba

¹² Dedicated Acres 320.0 Acres - (W/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No RCUD MAY 5/09 NSL 5660 OIL CONSDIV
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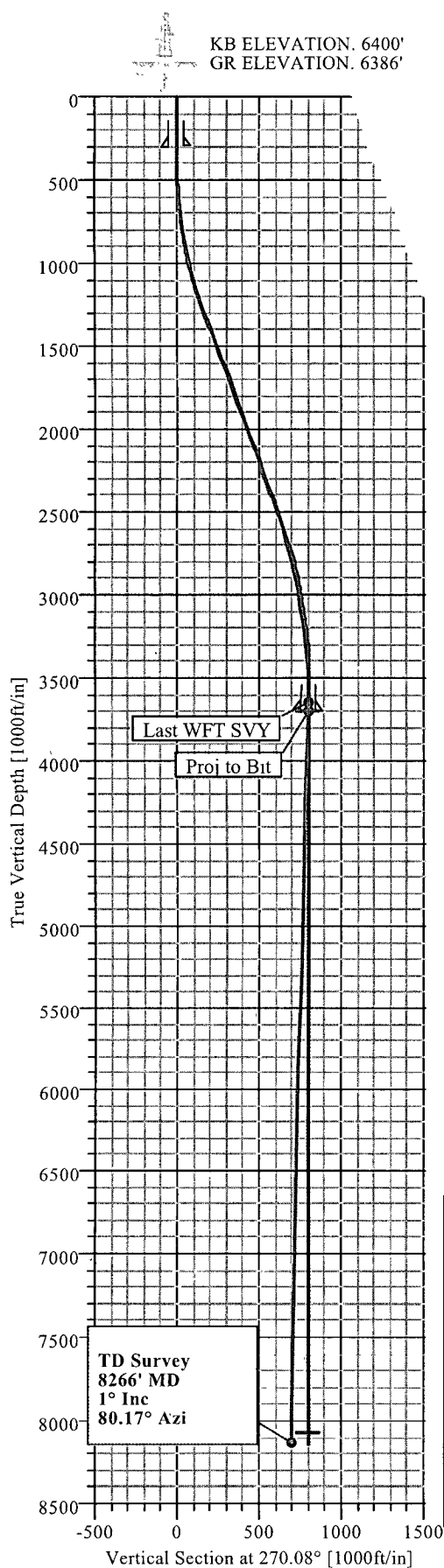
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION **DIST. 3**

16 5289.24' LEASE SF-078771 5280.00' 11 5280.00' BOTTOM-HOLE LAT: 36.90800 °N LONG: 107.43973 °W DATUM : NAD1983 SURFACE LOCATION LAT: 36.90793 °N LONG: 107.43736 °W DATUM : NAD1983 438' N88°06.5'W 697.5' 402' 1135' 380' 5287.92' HOLD C104 FOR NSL for Basin Bancos	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>Larry Higgins</i> 5-4-09 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. Date of Survey: APRIL 26, 2006 Signature and Seal of Professional Surveyor JASON C. EDWARDS NEW MEXICO 15269 REGISTERED PROFESSIONAL SURVEYOR JASON C. EDWARDS Certificate Number 15269
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B 5/11



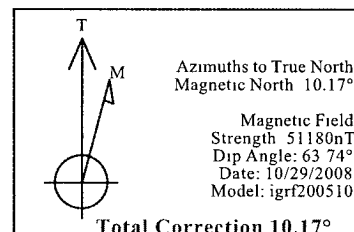
Rosa Unit 9C
Section 11 T31N R6W
380' FSL & 1135' FWL
Rio Arriba County, NM
Plan 2



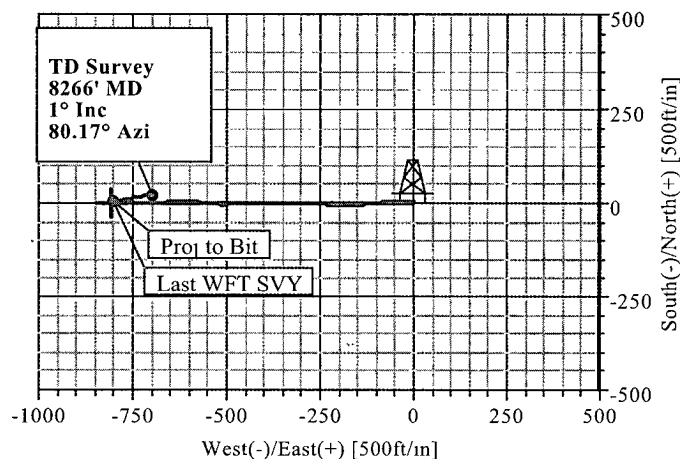
SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec Target
1	0.00	0.00	270.08	0.00	0.00	0.00	0.00	0.00	0.00
2	400.00	0.00	270.08	400.00	0.00	0.00	0.00	0.00	0.00
3	1302.67	20.50	270.08	1283.53	0.23	-159.77	2.27	270.08	159.77
4	2454.38	20.50	270.08	2362.31	0.82	-563.11	0.00	0.00	563.11
5	3821.04	0.00	270.08	3700.00	1.17	-805.00	1.50	180.00	805.00 CS Pt.
6	8191.04	0.00	270.08	8070.00	1.17	-805.00	0.00	270.08	805.00 PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Rosa Unit 9C	0.00	0.00	2150057.85	2838864.30	36°54'28.548N	107°26'14.496W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	8070.00	1.17	-805.00	2150055.68	2838059.30	Circle (Radius 50)
CS Pt	3700.00	1.17	-805.00	2150055.68	2838059.30	Point



TD Survey: WFT SVY (Rosa Unit 9C/1)									
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
114	8266.00	1.00	80.17	8138.28	22.35	-697.06	0.00	0.00	697.09



FORMATION TOP DETAILS			
No	TVDPath	MDPath	Formation
1	2440.00	2536.94	Ojo Alamo
2	2545.00	2649.50	Kirtland
3	2940.00	3062.07	Fruitland
4	3220.00	3345.47	Pictured Cliffs
5	3515.00	3641.36	Lewis
6	5095.00	5222.00	Cliff House Trans
7	5405.00	5532.10	Cliff House
8	5455.00	5582.12	Menefee
9	5705.00	5832.19	Point Lookout
10	6010.00	6137.28	Mancos
11	7020.00	7147.53	Gallup
12	7750.00	7877.66	Greenhorn
13	7800.00	7927.67	Graneros
14	7925.00	8052.69	Dakota

RCVD MAY 5 '09
OIL CONS. DIV.
DIST. 3



Weatherford International, Inc.

Survey Report



Weatherford

Company: WILLIAMS PRODUCTION		Date: 4/29/2009		Time: 14:49:05		Page: 1	
Field: Rio Arriba County (NAD 83)		Co-ordinate(NE) Reference: Well: Rosa Unit 9C, True North					
Site: Rosa Unit 9C		Vertical (TVD) Reference: SITE:6400.0					
Well: Rosa Unit 9C		Section (VS) Reference: Well (0.00N,0.00E,270.08Azi)					
Wellpath: 1		Survey Calculation Method: Minimum Curvature		Db: Sybase			

Field: Rio Arriba County (NAD 83)			
Map System: US State Plane Coordinate System 1983		Map Zone: New Mexico, Western Zone	
Geo Datum: GRS 1980		Coordinate System: Well Centre	
Sys Datum: Mean Sea Level		Geomagnetic Model: igrf200510	

Site: Rosa Unit 9C Sect. 11 T31N R6W Rio Arriba County, NM			
Site Position:	Northing: 2150057.85 ft	Latitude: 36 54 28.548 N	
From: Geographic	Easting: 2838864.30 ft	Longitude: 107 26 14.496 W	
Position Uncertainty: 0.00 ft		North Reference: True	
Ground Level: 6386.00 ft		Grid Convergence: 0.24 deg	

Well: Rosa Unit 9C				Slot Name:			
Well Position:	+N/-S 0.00 ft	Northing: 2150057.85 ft	Latitude: 36 54 28.548 N	+E/-W 0.00 ft	Easting: 2838864.30 ft	Longitude: 107 26 14.496 W	
Position Uncertainty: 0.00 ft							

Wellpath: 1				Drilled From: Surface			
Current Datum: SITE				Tie-on Depth: 0.00 ft			
Magnetic Data: 10/29/2008				Above System Datum: Mean Sea Level			
Field Strength: 51180 nT				Declination: 10.17 deg			
Vertical Section: Depth From (TVD)				Mag Dip Angle: 63.74 deg			
	ft	+N/-S ft	+E/-W ft		Direction deg		
0.00		0.00	0.00	0.00	270.08		

Survey: WFT SVY		Start Date: 11/4/2008	
Company: Weatherford International Ltd.		Engineer: Jayme Wilson	
Tool: MWD;MWD - Standard		Tied-to: From Surface	

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
364.00	1.60	338.69	363.95	4.73	-1.85	1.85	0.44	0.44	0.00	MWD
391.00	1.55	332.01	390.94	5.41	-2.16	2.16	0.70	-0.19	-24.74	MWD
421.00	1.28	319.01	420.93	6.02	-2.57	2.57	1.39	-0.90	-43.33	MWD
452.00	1.13	302.55	451.93	6.45	-3.05	3.06	1.21	-0.48	-53.10	MWD
482.00	1.69	283.30	481.92	6.71	-3.73	3.74	2.42	1.87	-64.17	MWD
512.00	2.06	272.67	511.90	6.83	-4.70	4.71	1.69	1.23	-35.43	MWD
542.00	2.63	269.55	541.88	6.85	-5.93	5.94	1.95	1.90	-10.40	MWD
572.00	3.38	266.42	571.83	6.79	-7.50	7.51	2.56	2.50	-10.43	MWD
602.00	4.13	263.17	601.77	6.61	-9.45	9.46	2.60	2.50	-10.83	MWD
633.00	4.69	264.67	632.68	6.36	-11.82	11.83	1.84	1.81	4.84	MWD
663.00	5.25	263.92	662.57	6.10	-14.41	14.42	1.88	1.87	-2.50	MWD
693.00	5.94	264.30	692.42	5.80	-17.32	17.33	2.30	2.30	1.27	MWD
722.00	6.25	268.05	721.26	5.60	-20.39	20.40	1.74	1.07	12.93	MWD
753.00	7.19	271.55	752.05	5.59	-24.01	24.02	3.31	3.03	11.29	MWD
783.00	7.63	275.67	781.79	5.84	-27.87	27.88	2.30	1.47	13.73	MWD
814.00	8.44	276.30	812.49	6.29	-32.18	32.19	2.63	2.61	2.03	MWD
844.00	9.13	272.80	842.14	6.65	-36.75	36.76	2.91	2.30	-11.67	MWD
875.00	10.00	270.05	872.71	6.77	-41.90	41.91	3.17	2.81	-8.87	MWD
905.00	11.56	268.05	902.18	6.67	-47.51	47.52	5.35	5.20	-6.67	MWD
936.00	12.25	264.55	932.51	6.25	-53.88	53.89	3.22	2.23	-11.29	MWD
967.00	12.98	262.85	962.76	5.51	-60.61	60.62	2.64	2.35	-5.48	MWD
997.00	13.41	265.14	991.97	4.79	-67.42	67.43	2.26	1.43	7.63	MWD
1027.00	14.03	265.20	1021.11	4.20	-74.51	74.52	2.07	2.07	0.20	MWD



Weatherford International, Inc.

Survey Report

**Weatherford®**

Company: WILLIAMS PRODUCTION Date: 4/29/2009 Time: 14:49:05 Page: 2
Field: Rio Arriba County (NAD 83) Co-ordinate(NE) Reference: Well: Rosa Unit 9C, True North
Site: Rosa Unit 9C Vertical (TVD) Reference: SITE 6400.0
Well: Rosa Unit 9C Section (VS) Reference: Well (0.00N,0.00E,270.08Azi)
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
1058.00	15.25	263.05	1051.11	3.39	-82.30	82.31	4.31	3.94	-6.94	MWD
1089.00	16.00	262.05	1080.96	2.30	-90.58	90.59	2.57	2.42	-3.23	MWD
1119.00	17.00	263.30	1109.73	1.22	-99.03	99.03	3.54	3.33	4.17	MWD
1150.00	17.88	264.42	1139.30	0.23	-108.27	108.27	3.04	2.84	3.61	MWD
1181.00	18.06	263.92	1168.79	-0.74	-117.78	117.78	0.76	0.58	-1.61	MWD
1213.00	18.25	262.42	1199.20	-1.93	-127.68	127.68	1.58	0.59	-4.69	MWD
1245.00	18.50	262.42	1229.56	-3.26	-137.68	137.68	0.78	0.78	0.00	MWD
1277.00	19.31	264.05	1259.84	-4.48	-147.98	147.97	3.02	2.53	5.09	MWD
1308.00	20.06	265.67	1289.03	-5.41	-158.38	158.37	2.99	2.42	5.23	MWD
1339.00	20.44	266.30	1318.11	-6.16	-169.08	169.07	1.41	1.23	2.03	MWD
1371.00	21.00	268.67	1348.04	-6.66	-180.39	180.38	3.15	1.75	7.41	MWD
1403.00	21.88	272.80	1377.83	-6.50	-192.08	192.07	5.46	2.75	12.91	MWD
1435.00	21.25	271.67	1407.59	-6.04	-203.83	203.82	2.36	-1.97	-3.53	MWD
1467.00	22.01	277.73	1437.34	-5.06	-215.57	215.56	7.37	2.37	18.94	MWD
1498.00	21.14	279.17	1466.17	-3.39	-226.85	226.84	3.29	-2.81	4.65	MWD
1530.00	21.88	276.67	1495.94	-1.78	-238.47	238.46	3.68	2.31	-7.81	MWD
1560.00	22.44	272.92	1523.72	-0.84	-249.74	249.73	5.07	1.87	-12.50	MWD
1593.00	23.19	269.80	1554.14	-0.54	-262.52	262.52	4.31	2.27	-9.45	MWD
1624.00	23.63	268.55	1582.59	-0.72	-274.84	274.84	2.14	1.42	-4.03	MWD
1656.00	23.38	267.92	1611.94	-1.11	-287.60	287.59	1.11	-0.78	-1.97	MWD
1688.00	22.19	269.55	1641.44	-1.39	-299.98	299.98	4.21	-3.72	5.09	MWD
1720.00	21.75	270.30	1671.11	-1.40	-311.96	311.95	1.63	-1.37	2.34	MWD
1752.00	21.75	269.80	1700.84	-1.39	-323.81	323.81	0.58	0.00	-1.56	MWD
1783.00	20.19	269.17	1729.78	-1.49	-334.91	334.90	5.08	-5.03	-2.03	MWD
1815.00	19.81	268.42	1759.85	-1.72	-345.85	345.85	1.43	-1.19	-2.34	MWD
1847.00	19.63	269.17	1789.98	-1.95	-356.64	356.64	0.97	-0.56	2.34	MWD
1878.00	19.63	269.05	1819.17	-2.11	-367.06	367.05	0.13	0.00	-0.39	MWD
1910.00	18.75	270.67	1849.40	-2.14	-377.57	377.57	3.21	-2.75	5.06	MWD
1942.00	18.44	270.80	1879.72	-2.01	-387.78	387.77	0.98	-0.97	0.41	MWD
1973.00	18.63	273.17	1909.12	-1.67	-397.62	397.62	2.51	0.61	7.65	MWD
2004.00	19.19	274.67	1938.44	-0.98	-407.65	407.64	2.39	1.81	4.84	MWD
2036.00	19.56	273.92	1968.63	-0.18	-418.23	418.23	1.39	1.16	-2.34	MWD
2068.00	19.88	270.55	1998.76	0.24	-429.02	429.02	3.69	1.00	-10.53	MWD
2100.00	20.38	268.55	2028.80	0.15	-440.03	440.03	2.66	1.56	-6.25	MWD
2132.00	20.25	268.55	2058.81	-0.13	-451.13	451.13	0.41	-0.41	0.00	MWD
2163.00	20.50	267.42	2087.87	-0.51	-461.92	461.92	1.50	0.81	-3.65	MWD
2195.00	20.63	266.55	2117.83	-1.11	-473.14	473.14	1.04	0.41	-2.72	MWD
2228.00	20.31	266.05	2148.75	-1.85	-484.66	484.66	1.11	-0.97	-1.52	MWD
2259.00	19.69	266.92	2177.88	-2.50	-495.24	495.24	2.22	-2.00	2.81	MWD
2290.00	18.63	268.55	2207.16	-2.91	-505.41	505.40	3.83	-3.42	5.26	MWD
2322.00	17.94	272.80	2237.55	-2.80	-515.44	515.44	4.69	-2.16	13.28	MWD
2354.00	18.44	276.05	2267.95	-2.02	-525.40	525.39	3.53	1.56	10.16	MWD
2385.00	18.81	274.30	2297.33	-1.13	-535.26	535.25	2.16	1.19	-5.65	MWD
2417.00	19.39	274.21	2327.56	-0.35	-545.70	545.70	1.81	1.81	-0.28	MWD
2449.00	20.06	275.42	2357.69	0.56	-556.46	556.46	2.45	2.09	3.78	MWD
2480.00	20.63	275.67	2386.75	1.60	-567.19	567.19	1.86	1.84	0.81	MWD
2512.00	20.69	275.17	2416.69	2.66	-578.43	578.43	0.58	0.19	-1.56	MWD
2543.00	21.13	274.30	2445.65	3.58	-589.45	589.46	1.74	1.42	-2.81	MWD
2575.00	21.31	272.92	2475.48	4.30	-601.01	601.02	1.66	0.56	-4.31	MWD
2607.00	21.00	271.42	2505.33	4.74	-612.55	612.56	1.95	-0.97	-4.69	MWD
2639.00	21.06	270.17	2535.20	4.90	-624.03	624.04	1.41	0.19	-3.91	MWD
2670.00	20.63	268.80	2564.17	4.80	-635.06	635.07	2.10	-1.39	-4.42	MWD
2702.00	20.78	265.80	2594.10	4.27	-646.36	646.36	3.35	0.47	-9.37	MWD



Weatherford International, Inc.

Survey Report

**Weatherford**

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Field: Rio Arriba County (NAD 83) Co-ordinate(NE) Reference: Well: Rosa Unit 9C, True North
Site: Rosa Unit 9C Vertical (TVD) Reference: SITE 6400.0
Well: Rosa Unit 9C Section (VS) Reference: Well (0.00N,0.00E,270.08Azi)
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
2733.00	20.05	264.32	2623.15	3.34	-657.13	657.14	2.88	-2.35	-4.77	MWD
2765.00	18.39	266.85	2653.37	2.52	-667.63	667.63	5.80	-5.19	7.91	MWD
2797.00	17.81	269.42	2683.79	2.19	-677.57	677.57	3.08	-1.81	8.03	MWD
2828.00	18.06	269.30	2713.28	2.09	-687.11	687.11	0.82	0.81	-0.39	MWD
2860.00	16.85	267.57	2743.81	1.83	-696.70	696.71	4.11	-3.78	-5.41	MWD
2923.00	14.56	268.30	2804.45	1.21	-713.74	713.75	3.65	-3.63	1.16	MWD
2955.00	13.56	270.80	2835.49	1.14	-721.52	721.52	3.66	-3.12	7.81	MWD
2987.00	13.19	271.92	2866.62	1.32	-728.92	728.92	1.41	-1.16	3.50	MWD
3019.00	12.39	269.91	2897.83	1.43	-736.00	736.00	2.86	-2.50	-6.28	MWD
3050.00	11.50	268.80	2928.16	1.36	-742.41	742.42	2.96	-2.87	-3.58	MWD
3082.00	10.25	271.92	2959.58	1.39	-748.45	748.45	4.32	-3.91	9.75	MWD
3114.00	10.06	273.80	2991.08	1.67	-754.08	754.08	1.19	-0.59	5.87	MWD
3145.00	10.00	272.92	3021.61	1.99	-759.47	759.47	0.53	-0.19	-2.84	MWD
3177.00	9.19	269.17	3053.16	2.09	-764.80	764.80	3.20	-2.53	-11.72	MWD
3209.00	8.56	268.05	3084.78	1.98	-769.74	769.74	2.04	-1.97	-3.50	MWD
3241.00	8.00	267.30	3116.44	1.79	-774.34	774.34	1.78	-1.75	-2.34	MWD
3273.00	8.00	269.55	3148.13	1.67	-778.79	778.80	0.98	0.00	7.03	MWD
3304.00	7.56	270.80	3178.85	1.68	-782.99	782.99	1.52	-1.42	4.03	MWD
3336.00	6.81	272.92	3210.59	1.80	-786.99	786.99	2.49	-2.34	6.62	MWD
3368.00	6.63	273.42	3242.38	2.01	-790.73	790.73	0.59	-0.56	1.56	MWD
3400.00	6.44	269.80	3274.17	2.12	-794.37	794.37	1.42	-0.59	-11.31	MWD
3431.00	5.88	268.42	3304.99	2.07	-797.69	797.69	1.87	-1.81	-4.45	MWD
3463.00	4.69	270.17	3336.85	2.02	-800.64	800.64	3.75	-3.72	5.47	MWD
3495.00	4.25	274.05	3368.75	2.11	-803.13	803.13	1.67	-1.37	12.12	MWD
3527.00	2.99	286.30	3400.69	2.43	-805.11	805.12	4.60	-3.94	38.28	MWD
3559.00	1.81	311.80	3432.66	3.00	-806.29	806.30	4.89	-3.69	79.69	MWD
3590.00	1.31	339.42	3463.65	3.66	-806.78	806.79	2.87	-1.61	89.10	MWD
3622.00	0.94	50.42	3495.65	4.17	-806.71	806.71	4.19	-1.16	221.88	MWD
3654.00	1.38	70.55	3527.64	4.46	-806.14	806.15	1.85	1.37	62.91	MWD
3686.00	1.69	87.80	3559.63	4.61	-805.31	805.31	1.73	0.97	53.91	MWD
3718.00	1.63	88.80	3591.62	4.64	-804.38	804.39	0.21	-0.19	3.12	MWD
3749.00	1.69	78.67	3622.60	4.74	-803.49	803.50	0.96	0.19	-32.68	MWD
3771.00	1.75	80.87	3644.59	4.85	-802.84	802.85	0.41	0.27	10.00	Last WFT SVY
3825.00	1.75	80.87	3698.57	5.12	-801.21	801.22	0.00	0.00	0.00	Proj to Bit
8115.00	1.00	80.17	7987.30	21.90	-699.65	699.68	0.02	-0.02	-0.02	Rig SVY
8250.00	1.00	80.17	8122.28	22.30	-697.33	697.36	0.00	0.00	0.00	Rig SVY
8266.00	1.00	80.17	8138.28	22.35	-697.06	697.09	0.00	0.00	0.00	TD Survey

Annotation

MD ft	TVD ft	
3771.00	3644.59	Last WFT SVY
3825.00	3698.57	Proj to Bit
8115.00	7987.30	Rig SVY
8250.00	8122.28	Rig SVY
8266.00	8138.28	TD Survey