

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

RCVD NOV 6 '07

☒ AMENDED REPORT

OIL CONS. DIV.
DIST. 3

AS Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30184	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 17033	*Property Name ROSA UNIT	*Well Number 80B
*GRID No 120782	*Operator Name WILLIAMS PRODUCTION COMPANY	*Elevation 6298'

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
E	8	31N	5W		1565	NORTH	835	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
D	8	31N	5W		590	NORTH	737	WEST	RIO ARriba

¹² Dedicated Acres	320.0 Acres (W/2) - MV 320.0 Acres (N/2) - DK	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

¹⁶	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>Tracy Ross</i> 11-5-07 Signature Date Tracy Ross 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 <i>JASON C. EDWARDS</i> 15269 <i>JASON C. EDWARDS</i> Certificate Number 15269
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Directional Survey Attached



Weatherford[®]

Drilling Services

30-039-30184

Completion

RCVD NOV 6 '07
OIL CONS. DIV.

DIST. 3



WILLIAMS PRODUCTION
ROSA UNIT #80-B
RIO ARRIBA COUNTY, NEW MEXICO

Submitted: October 15, 2007

Weatherford International Ltd.
P.O. Box 61028
Midland, Texas 79711 USA
+1.432.561.8892 Main
+1.432.561.8895 Fax
www.weatherford.com



ROSA UNIT #80B
SEC8 T31N R5W
1565' FNL, 835' FWL
RIO ARriba COUNTY, NM

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Rosa Unit 80B	0.00	0.00	2160624.01	1306681.76	36°55'56.000N	107°23'30.804W
Slot	N/A					

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Vertical	3600.00	905.00	-85.00	2161529.97	1306607.60	Circle (Radius: 25)

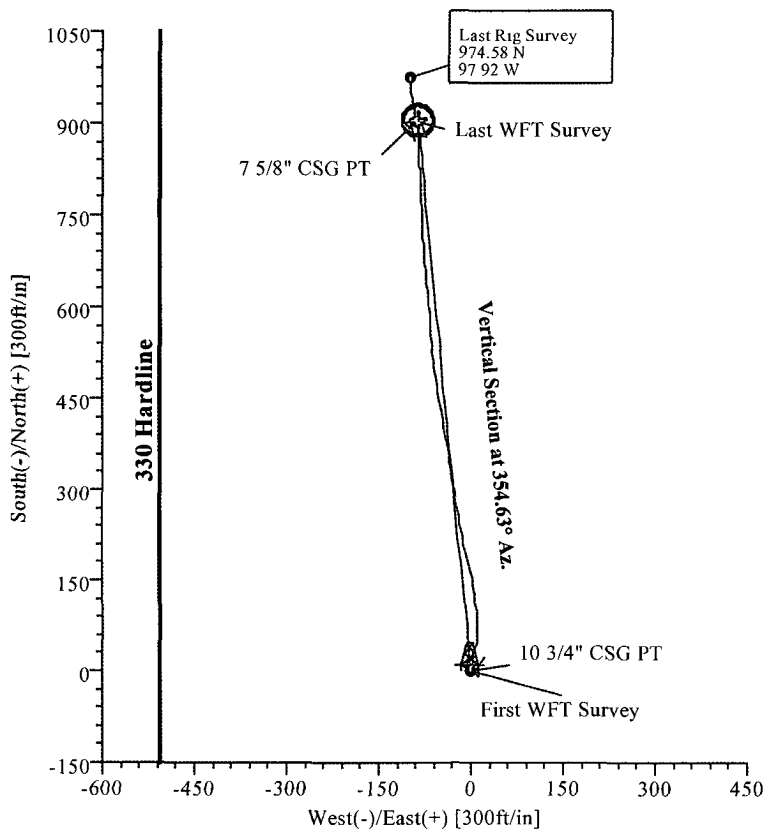
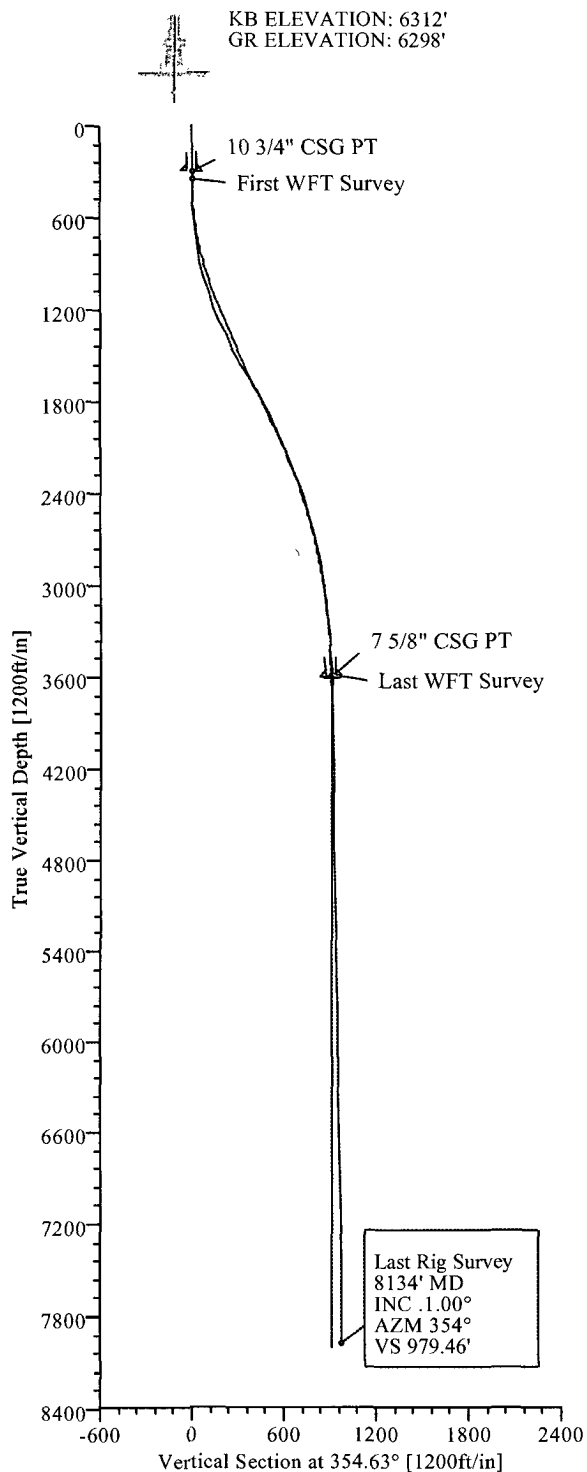
LEGEND

Rosa Unit 80B, 1, Plan #1
WFT SVY

Diagram: A compass rose showing True North (T) and Magnetic North (M). The angle between them is 10.28°.

Text:

- Azimuths to True North: 10.28°
- Magnetic Field Strength: 51343 nT
- Dip Angle: 63.83°
- Date: 8/29/2007
- Model: bggm2006
- Total Correction to True North: 10.28°



Weatherford International, Inc.

Survey Report



Company: WILLIAMS PRODUCTION CO	Date: 10/15/2007	Time: 14 26:41	Page: 1
Field: Rio Arriba County (NAD 83)	Co-ordinate(NE) Reference: Well: Rosa Unit 80B, True North		
Site: Rosa Unit 80B	Vertical (TVD) Reference: SITE 6312.0		
Well: Rosa Unit 80B	Section (VS) Reference: Well (0.00N,0.00E,354.63Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: Rio Arriba County (NAD 83)

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

Map Zone: New Mexico, Central Zone
Coordinate System: Well Centre
Geomagnetic Model: bggm2006

Site: Rosa Unit 80B

1565' FNL 835' FWL of Section 8 T31N R5W

Site Position:	Northing: 2160624.01 ft	Latitude: 36 55 56.000 N	
From: Geographic	Easting: 1306681.76 ft	Longitude: 107 23 30.804 W	
Position Uncertainty: 0.00 ft		North Reference: True	
Ground Level: 6298.00 ft		Grid Convergence: -0.69 deg	

Well: Rosa Unit 80B

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 2160624 01 ft	Latitude: 36 55 56.000 N	
+E/-W 0.00 ft	Easting : 1306681 76 ft	Longitude: 107 23 30.804 W	
Position Uncertainty: 0.00 ft			

Wellpath: 1

Drilled From: Surface
Tie-on Depth: 0 00 ft
Above System Datum: Mean Sea Level
Declination: 10.28 deg
Mag Dip Angle: 63.83 deg
+E/-W Direction deg

Current Datum: SITE
Magnetic Data: 8/29/2007
Field Strength: 51343 nT
Vertical Section: Depth From (TVD) ft
Height 6312.00 ft

0.00	0.00	0.00	354.63
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Survey: WFT SVY

Start Date: 9/25/2007

Company: Weatherford International, Inc
Tool:

Engineer: Lindsey Maddux
Tied-to: User Defined

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	10 3/4" CSG PT First WFT Survey
300.00	0.37	212.92	300.00	-0 82	-0.53	-0 77	0.12	0.12	0.00	
354.00	0 44	212.92	354.00	-1.14	-0.74	-1 07	0.12	0 12	0.00	
373.00	0 25	200.79	373.00	-1.24	-0.79	-1 16	1.07	-1.00	-63.84	
404.00	0.81	18.42	404 00	-1.10	-0.75	-1.02	3.42	1.81	573.00	
434.00	2.13	13.42	433.98	-0.35	-0 55	-0.30	4 42	4.40	-16.67	
465.00	3.94	16.42	464.94	1 23	-0.12	1.23	5.86	5.84	9 68	
496.00	5.06	15.29	495.84	3.57	0 54	3.50	3 62	3 61	-3.65	
526 00	6.06	13.79	525.70	6 38	1.27	6.24	3.37	3.33	-5.00	
556 00	6.69	12.29	555 52	9.63	2.02	9.40	2.17	2.10	-5.00	
586 00	7 44	11.67	585 29	13.24	2.79	12.92	2.51	2.50	-2.07	
616.00	8.19	11.42	615.01	17.24	3.60	16.82	2.50	2.50	-0.83	
646.00	9.00	11.42	644 67	21.63	4.49	21.12	2.70	2.70	0.00	
676.00	9 75	10.92	674.27	26.42	5.44	25.80	2 51	2.50	-1.67	
706.00	10 56	10.17	703.80	31.62	6 40	30.89	2 74	2.70	-2 50	
736.00	11.50	8.29	733.25	37.29	7.32	36.44	3.35	3.13	-6 27	
767 00	12.38	6.79	763.58	43.65	8 16	42.69	3 01	2.84	-4 84	
797 00	13.06	5.17	792.84	50 22	8 84	49.17	2.56	2.27	-5.40	
827.00	13 81	4.04	822.02	57.16	9.40	56.04	2.65	2.50	-3 77	
856.00	14 25	1 79	850.15	64.18	9.76	62.99	2.42	1.52	-7.76	
887.00	15.00	0.17	880.15	72 01	9.89	70 77	2.76	2 42	-5.23	
917.00	16.00	358.54	909.06	80 03	9 79	78 76	3.64	3 33	-5.43	
948.00	16.94	356.79	938 79	88.81	9.43	87.54	3.43	3.03	-5.65	
981.00	17.75	355.04	970.29	98.62	8 73	97.37	2.92	2.45	-5.30	

Weatherford International, Inc.

Survey Report



Weatherford

Company: WILLIAMS PRODUCTION CO	Date: 10/15/2007	Time: 14:26:41	Page: 2
Field: Rio Arriba County (NAD 83)	Co-ordinate(NE) Reference: Well Rosa Unit 80B, True North		
Site: Rosa Unit 80B	Vertical (TVD) Reference: SITE 6312 0		
Well: Rosa Unit 80B	Section (VS) Reference: Well (0.00N,0.00E,354.63Azi)		
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
1012.00	18.75	353.79	999.73	108.28	7.78	107.08	3.46	3.23	-4.03	
1044.00	19.69	353.17	1029.94	118.74	6.58	117.61	3.01	2.94	-1.94	
1076.00	20.19	352.04	1060.02	129.57	5.18	128.51	1.97	1.56	-3.53	
1107.00	20.94	351.29	1089.05	140.34	3.60	139.39	2.56	2.42	-2.42	
1139.00	22.00	350.17	1118.83	151.90	1.71	151.07	3.55	3.31	-3.50	
1171.00	22.50	348.92	1148.44	163.81	-0.49	163.14	2.15	1.56	-3.91	
1203.00	22.25	347.54	1178.04	175.74	-2.98	175.25	1.82	-0.78	-4.31	
1235.00	22.44	345.42	1207.63	187.56	-5.82	187.29	2.59	0.59	-6.62	
1266.00	21.50	345.54	1236.38	198.79	-8.73	198.74	3.04	-3.03	0.39	
1298.00	21.69	348.67	1266.14	210.27	-11.36	210.41	3.65	0.59	9.78	
1330.00	21.63	350.54	1295.88	221.88	-13.49	222.17	2.16	-0.19	5.84	
1360.00	22.00	350.79	1323.73	232.88	-15.29	233.29	1.27	1.23	0.83	
1392.00	22.69	351.17	1353.33	244.90	-17.20	245.44	2.20	2.16	1.19	
1424.00	23.50	350.79	1382.76	257.30	-19.17	257.96	2.57	2.53	-1.19	
1455.00	24.25	349.67	1411.11	269.66	-21.30	270.47	2.83	2.42	-3.61	
1487.00	23.44	349.79	1440.38	282.39	-23.61	283.36	2.54	-2.53	0.37	
1519.00	22.81	350.17	1469.81	294.77	-25.79	295.89	2.02	-1.97	1.19	
1550.00	23.50	350.04	1498.31	306.77	-27.89	308.04	2.23	2.23	-0.42	
1582.00	24.13	350.54	1527.58	319.51	-30.07	320.92	2.07	1.97	1.56	
1613.00	25.06	351.67	1555.77	332.26	-32.06	333.80	3.36	3.00	3.65	
1644.00	25.94	352.04	1583.75	345.47	-33.95	347.13	2.88	2.84	1.19	
1676.00	26.31	351.79	1612.48	359.42	-35.93	361.20	1.21	1.16	-0.78	
1708.00	27.19	351.29	1641.06	373.66	-38.05	375.59	2.84	2.75	-1.56	
1739.00	27.88	350.54	1668.54	387.82	-40.32	389.89	2.49	2.23	-2.42	
1769.00	28.75	350.42	1694.95	401.85	-42.67	404.08	2.91	2.90	-0.40	
1801.00	27.69	349.92	1723.15	416.76	-45.25	419.16	3.39	-3.31	-1.56	
1832.00	26.81	350.54	1750.71	430.75	-47.66	433.32	2.98	-2.84	2.00	
1864.00	25.19	351.67	1779.47	444.60	-49.83	447.32	5.29	-5.06	3.53	
1896.00	26.38	351.67	1808.28	458.38	-51.85	461.22	3.72	3.72	0.00	
1928.00	26.56	351.29	1836.93	472.48	-53.96	475.46	0.77	0.56	-1.19	
1959.00	26.44	350.92	1864.67	486.15	-56.10	489.26	0.66	-0.39	-1.19	
1991.00	26.25	350.79	1893.35	500.17	-58.36	503.43	0.62	-0.59	-0.41	
2023.00	25.75	351.42	1922.11	514.03	-60.53	517.43	1.78	-1.56	1.97	
2055.00	25.25	353.42	1950.99	527.68	-62.35	531.20	3.11	-1.56	6.25	
2086.00	24.63	354.67	1979.10	540.68	-63.71	544.27	2.62	-2.00	4.03	
2116.00	23.44	356.57	2006.50	552.86	-64.64	556.48	4.73	-3.97	6.33	
2148.00	23.38	356.92	2035.87	565.55	-65.37	569.19	0.47	-0.19	1.09	
2180.00	23.25	356.67	2065.25	578.20	-66.07	581.85	0.51	-0.41	-0.78	
2211.00	23.00	355.67	2093.76	590.35	-66.89	594.02	1.50	-0.81	-3.23	
2243.00	22.38	354.92	2123.29	602.65	-67.90	606.36	2.14	-1.94	-2.34	
2275.00	22.00	354.67	2152.92	614.69	-69.00	618.44	1.22	-1.19	-0.78	
2307.00	21.50	354.67	2182.64	626.49	-70.10	630.30	1.56	-1.56	0.00	
2338.00	20.94	354.54	2211.54	637.66	-71.15	641.52	1.81	-1.81	-0.42	
2370.00	20.75	354.79	2241.44	649.00	-72.21	652.91	0.66	-0.59	0.78	
2400.00	20.31	355.04	2269.54	659.48	-73.14	663.43	1.50	-1.47	0.83	
2432.00	19.75	356.04	2299.60	670.41	-74.00	674.39	2.05	-1.75	3.12	
2463.00	19.50	355.67	2328.80	680.79	-74.75	684.80	0.90	-0.81	-1.19	
2495.00	19.25	355.54	2358.99	691.38	-75.56	695.41	0.79	-0.78	-0.41	
2527.00	18.69	356.42	2389.25	701.75	-76.29	705.81	1.97	-1.75	2.75	
2558.00	18.06	357.04	2418.67	711.51	-76.85	715.58	2.13	-2.03	2.00	
2588.00	17.88	357.04	2447.21	720.75	-77.33	724.82	0.60	-0.60	0.00	
2620.00	17.63	356.54	2477.68	730.49	-77.88	734.58	0.92	-0.78	-1.56	
2652.00	17.00	356.79	2508.23	740.00	-78.43	744.09	1.98	-1.97	0.78	

Weatherford International, Inc.

Survey Report



Weatherford

Company: WILLIAMS PRODUCTION CO
Field: Rio Arriba County (NAD 83)
Site: Rosa Unit 80B
Well: Rosa Unit 80B
Wellpath: 1

Date: 10/15/2007 **Time:** 14:26.41 **Page:** 3
Co-ordinate(NE) Reference: Well. Rosa Unit 80B, True North
Vertical (TVD) Reference: SITE 6312.0
Section (VS) Reference: Well (0.00N,0.00E,354.63Azi)
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
2684.00	16.44	357.54	2538.88	749.20	-78.89	753.29	1.88	-1.75	2.34	
2715.00	16.00	358.04	2568.64	757.85	-79.22	761.94	1.49	-1.42	1.61	
2747.00	15.50	357.42	2599.44	766.53	-79.56	770.61	1.65	-1.56	-1.94	
2778.00	15.19	357.42	2629.34	774.72	-79.93	778.80	1.00	-1.00	0.00	
2810.00	14.63	358.29	2660.26	782.95	-80.24	787.02	1.88	-1.75	2.72	
2842.00	14.25	356.67	2691.25	790.92	-80.59	794.99	1.73	-1.19	-5.06	
2873.00	13.94	355.04	2721.32	798.45	-81.14	802.54	1.62	-1.00	-5.26	
2905.00	13.25	357.04	2752.42	805.95	-81.66	810.06	2.61	-2.16	6.25	
2937.00	12.38	358.79	2783.62	813.05	-81.92	817.14	2.98	-2.72	5.47	
2967.00	11.88	357.79	2812.95	819.35	-82.11	823.43	1.81	-1.67	-3.33	
2999.00	11.31	355.42	2844.30	825.77	-82.48	829.86	2.32	-1.78	-7.41	
3031.00	10.69	356.79	2875.71	831.86	-82.90	835.96	2.10	-1.94	4.28	
3063.00	10.13	356.79	2907.18	837.63	-83.23	841.74	1.75	-1.75	0.00	
3095.00	9.38	357.67	2938.72	843.05	-83.49	847.16	2.39	-2.34	2.75	
3126.00	8.63	356.79	2969.34	847.89	-83.72	852.01	2.46	-2.42	-2.84	
3159.00	8.19	356.54	3001.98	852.71	-84.00	856.83	1.34	-1.33	-0.76	
3190.00	7.50	355.54	3032.69	856.93	-84.29	861.06	2.27	-2.23	-3.23	
3222.00	7.50	357.04	3064.42	861.10	-84.56	865.23	0.61	0.00	4.69	
3254.00	7.00	359.92	3096.16	865.13	-84.67	869.26	1.93	-1.56	9.00	
3286.00	6.88	3.42	3127.93	869.00	-84.56	873.10	1.37	-0.37	10.94	
3318.00	6.63	1.92	3159.71	872.76	-84.39	876.82	0.96	-0.78	-4.69	
3349.00	6.38	1.92	3190.51	876.27	-84.27	880.31	0.81	-0.81	0.00	
3381.00	6.38	2.79	3222.31	879.82	-84.12	883.83	0.30	0.00	2.72	
3413.00	6.06	359.79	3254.12	883.29	-84.04	887.27	1.43	-1.00	-9.38	
3445.00	5.69	355.29	3285.95	886.56	-84.18	890.54	1.85	-1.16	-14.06	
3476.00	5.56	356.54	3316.81	889.59	-84.40	893.58	0.58	-0.42	4.03	
3508.00	5.31	353.92	3348.66	892.61	-84.65	896.61	1.10	-0.78	-8.19	
3540.00	4.38	351.42	3380.55	895.29	-84.98	899.31	2.98	-2.91	-7.81	
3572.00	3.50	355.17	3412.47	897.47	-85.25	901.51	2.86	-2.75	11.72	
3603.00	3.00	353.79	3443.42	899.22	-85.42	903.26	1.63	-1.61	-4.45	
3635.00	2.44	344.04	3475.38	900.70	-85.69	904.77	2.26	-1.75	-30.47	
3667.00	2.31	345.04	3507.36	901.98	-86.05	906.08	0.43	-0.41	3.12	
3698.00	1.75	346.29	3538.34	903.05	-86.32	907.16	1.81	-1.81	4.03	
3730.00	1.25	339.92	3570.33	903.85	-86.56	907.98	1.64	-1.56	-19.91	
3751.00	1.19	345.17	3591.32	904.27	-86.69	908.42	0.60	-0.29	25.00	Last WFT Survey 7 5/8" CSG PT
3759.68	1.19	345.17	3600.00	904.45	-86.74	908.60	0.00	0.00	0.00	
3800.00	1.19	345.17	3640.31	905.26	-86.95	909.42	0.00	0.00	0.00	
6462.00	0.75	355.00	6301.93	949.34	-95.55	954.11	0.02	-0.02	0.37	
8134.00	1.00	354.00	7973.73	974.75	-98.02	979.64	0.01	0.01	-0.06	Last Rig Survey

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
300.00	300.00	10.750	10.750	10 3/4" CSG PT
3759.68	3600.00	7.265	9.875	7 5/8" CSG PT

Annotation

MD ft	TVD ft	
354.00	354.00	First WFT Survey
3751.00	3591.32	Last WFT Survey
8134.00	7973.73	Last Rig Survey