



## Survey Report

<b>Company:</b>	Whiting Petroleum Corporation	<b>Local Co-ordinate Reference:</b>	Well Razor #11G-0209A
<b>Project:</b>	Weld County, CO	<b>TVD Reference:</b>	WELL @ 4989.7usft (Original Well Elev)
<b>Site:</b>	S11-T10N-R58W	<b>MD Reference:</b>	WELL @ 4989.7usft (Original Well Elev)
<b>Well:</b>	Razor #11G-0209A	<b>North Reference:</b>	True
<b>Wellbore:</b>	HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL	<b>Database:</b>	USA EDM 5000 Multi Users DB

<b>Project</b>	Weld County, CO		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		

Site		S11-T10N-R58W			
Site Position:		Northing:	1,558,620.57 usft	Latitude:	40.854775
From:	Lat/Long	Easting:	3,463,389.92 usft	Longitude:	-103.824847
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.08 °

Well	Razor #11G-0209A					
Well Position	+N/-S	0.0 usft	Northing:	1,558,402.16 usft	Latitude:	40.854244
	+E/-W	0.0 usft	Easting:	3,462,061.31 usft	Longitude:	-103.829664
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	4,972.9 usft

<b>Wellbore</b>	HZ				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	1/30/2015	7.89	67.43	53,077

<b>Design</b>	FINAL				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	353.96	

<b>Survey Program</b>	<b>Date</b>	2/19/2015			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
165.0	13,537.0	Survey #1 (HZ)	ISCWSA MWD	MWD - ISCWSA	

<b>Survey</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Vertical Section (usft)</b>	<b>Dogleg Rate (°/100usf)</b>	<b>Build Rate (°/100u)</b>	<b>Formations / Comments</b>	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00		
165.0	0.50	216.71	165.0	-0.6	-0.4	-0.5	0.30	0.30		
257.0	0.45	210.90	257.0	-1.2	-0.9	-1.1	0.08	-0.05		
350.0	0.28	230.18	350.0	-1.7	-1.2	-1.5	0.22	-0.18		
442.0	0.35	228.01	442.0	-2.0	-1.6	-1.8	0.08	0.08		
534.0	0.62	210.16	534.0	-2.6	-2.1	-2.4	0.33	0.29		
626.0	2.48	225.59	626.0	-4.4	-3.7	-4.0	2.05	2.02		
717.0	5.26	235.91	716.7	-8.2	-8.6	-7.2	3.14	3.05		
808.0	8.13	238.97	807.1	-13.8	-17.6	-11.9	3.18	3.15		
900.0	11.13	234.90	897.8	-22.3	-30.4	-19.0	3.34	3.26		
992.0	14.05	230.73	987.6	-34.5	-46.3	-29.4	3.32	3.17		
1,085.0	14.78	224.18	1,077.7	-50.1	-63.3	-43.2	1.92	0.78		
1,177.0	14.79	223.08	1,166.6	-67.1	-79.5	-58.4	0.31	0.01		

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<b>Site:</b>	S11-T10N-R58W	<b>MD Reference:</b>	WELL @ 4989.7usft (Original Well Elev)
<b>Well:</b>	Razor #11G-0209A	<b>North Reference:</b>	True
<b>Wellbore:</b>	HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL	<b>Database:</b>	USA EDM 5000 Multi Users DB

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usf)	Build Rate (°/100u)	Formations / Comments
1,269.0	14.14	222.99	1,255.7	-83.9	-95.2	-73.4	0.71	-0.71	
1,361.0	14.08	223.64	1,344.9	-100.2	-110.6	-88.0	0.18	-0.07	
1,454.0	13.60	223.87	1,435.2	-116.3	-126.0	-102.4	0.52	-0.52	
1,546.0	13.35	223.19	1,524.7	-131.8	-140.7	-116.3	0.32	-0.27	
1,638.0	12.81	223.08	1,614.3	-147.0	-155.0	-129.9	0.59	-0.59	
1,730.0	12.39	223.46	1,704.1	-161.6	-168.7	-143.0	0.47	-0.46	
1,821.0	11.26	222.45	1,793.2	-175.3	-181.4	-155.2	1.26	-1.24	
1,902.0	11.08	223.51	1,872.6	-186.8	-192.1	-165.5	0.34	-0.22	
1,994.0	13.01	233.10	1,962.6	-199.4	-206.5	-176.6	3.02	2.10	
2,087.0	15.74	232.82	2,052.7	-213.3	-224.9	-188.5	2.94	2.94	
2,179.0	15.25	230.28	2,141.3	-228.6	-244.2	-201.6	0.91	-0.53	
2,271.0	15.16	229.41	2,230.1	-244.1	-262.6	-215.2	0.27	-0.10	
2,363.0	15.12	228.59	2,318.9	-259.9	-280.8	-228.9	0.24	-0.04	
2,456.0	14.81	230.14	2,408.8	-275.5	-299.0	-242.6	0.54	-0.33	
2,548.0	16.53	231.96	2,497.3	-291.1	-318.3	-256.0	1.94	1.87	
2,640.0	16.31	232.16	2,585.6	-307.1	-338.8	-269.8	0.25	-0.24	
2,732.0	18.51	225.40	2,673.4	-325.3	-359.4	-285.7	3.24	2.39	
2,823.0	18.51	225.02	2,759.7	-345.7	-379.9	-303.8	0.13	0.00	
2,914.0	18.59	224.36	2,845.9	-366.2	-400.3	-322.1	0.25	0.09	
3,004.0	18.77	224.88	2,931.2	-386.8	-420.5	-340.4	0.27	0.20	
3,096.0	18.33	224.80	3,018.4	-407.5	-441.2	-358.8	0.48	-0.48	
3,189.0	19.16	218.13	3,106.5	-429.9	-460.9	-379.0	2.47	0.89	
3,280.0	17.80	218.30	3,192.8	-452.6	-478.8	-399.7	1.50	-1.49	
3,373.0	16.13	217.10	3,281.7	-474.0	-495.4	-419.3	1.83	-1.80	
3,465.0	15.21	215.75	3,370.3	-494.0	-510.1	-437.6	1.08	-1.00	
3,557.0	14.68	215.49	3,459.2	-513.3	-523.9	-455.3	0.58	-0.58	
3,649.0	14.46	214.73	3,548.3	-532.2	-537.2	-472.8	0.32	-0.24	
3,741.0	14.42	215.73	3,637.4	-551.0	-550.5	-490.0	0.27	-0.04	
3,832.0	14.81	216.03	3,725.4	-569.6	-563.9	-507.1	0.44	0.43	
3,924.0	14.37	215.41	3,814.4	-588.4	-577.5	-524.4	0.51	-0.48	
4,015.0	14.42	224.27	3,902.6	-605.7	-591.9	-540.1	2.42	0.05	
4,107.0	12.44	224.38	3,992.1	-621.0	-606.9	-553.7	2.15	-2.15	
4,199.0	13.98	219.70	4,081.6	-636.6	-620.9	-567.8	2.04	1.67	
4,291.0	15.56	223.44	4,170.6	-654.1	-636.5	-583.6	2.01	1.72	
4,382.0	15.56	222.51	4,258.3	-672.0	-653.1	-599.6	0.27	0.00	
4,474.0	15.08	222.90	4,347.0	-689.9	-669.6	-615.6	0.53	-0.52	
4,566.0	14.07	219.00	4,436.0	-707.3	-684.8	-631.4	1.53	-1.10	
4,658.0	13.36	216.70	4,525.4	-724.5	-698.2	-647.1	0.97	-0.77	
4,751.0	11.12	226.00	4,616.3	-739.4	-711.0	-660.5	3.20	-2.41	
4,843.0	10.46	226.09	4,706.7	-751.3	-723.4	-671.1	0.72	-0.72	
4,934.0	6.95	245.21	4,796.6	-759.4	-734.4	-677.9	4.95	-3.86	
5,025.0	6.07	240.08	4,887.0	-764.1	-743.6	-681.6	1.16	-0.97	
5,117.0	1.36	211.29	4,978.8	-767.4	-748.4	-684.5	5.35	-5.12	
5,208.0	0.35	276.10	5,069.8	-768.3	-749.2	-685.3	1.38	-1.11	
5,300.0	2.99	354.78	5,161.8	-765.9	-749.7	-682.8	3.20	2.87	
5,362.0	2.33	345.59	5,223.7	-763.1	-750.1	-679.9	1.26	-1.06	
5,393.0	2.15	345.20	5,254.7	-761.9	-750.5	-678.8	0.58	-0.58	
5,484.0	13.14	6.04	5,344.7	-749.9	-749.8	-666.9	12.26	12.08	
5,576.0	21.93	5.29	5,432.4	-722.4	-747.1	-639.8	9.56	9.55	
5,669.0	29.80	359.88	5,516.0	-681.9	-745.6	-599.7	8.83	8.46	
5,760.0	35.65	0.06	5,592.5	-632.7	-745.6	-550.8	6.43	6.43	
5,806.0	36.13	0.18	5,629.8	-605.8	-745.5	-524.0	1.05	1.04	
5,852.0	39.21	359.82	5,666.2	-577.7	-745.5	-496.0	6.71	6.69	

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<b>Site:</b>	S11-T10N-R58W	<b>MD Reference:</b>	WELL @ 4989.7usft (Original Well Elev)
<b>Well:</b>	Razor #11G-0209A	<b>North Reference:</b>	True
<b>Wellbore:</b>	HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL	<b>Database:</b>	USA EDM 5000 Multi Users DB

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usf)	Build Rate (°/100u)	Formations / Comments
5,898.0	42.64	1.23	5,701.0	-547.5	-745.2	-466.1	7.72	7.46	
5,944.0	44.97	0.23	5,734.2	-515.7	-744.8	-434.5	5.28	5.07	
5,990.0	49.32	357.46	5,765.4	-482.0	-745.5	-400.9	10.43	9.46	
6,036.0	54.77	357.56	5,793.7	-445.8	-747.1	-364.7	11.85	11.85	
6,082.0	59.56	358.06	5,818.7	-407.2	-748.6	-326.2	10.45	10.41	
6,129.0	64.53	1.26	5,840.7	-365.7	-748.8	-284.9	12.16	10.57	
6,173.0	68.97	1.64	5,858.1	-325.3	-747.8	-244.8	10.12	10.09	
6,218.0	74.55	2.36	5,872.1	-282.6	-746.3	-202.5	12.49	12.40	
6,308.0	80.75	2.39	5,891.4	-194.8	-742.6	-115.6	6.89	6.89	
6,358.0	87.06	0.89	5,896.7	-145.1	-741.2	-66.3	12.97	12.62	7" - 2461' FNL & 2769' FWL
6,371.0	88.70	0.50	5,897.2	-132.1	-741.1	-53.4	12.97	12.62	
6,461.0	92.79	359.68	5,896.0	-42.1	-740.9	36.0	4.63	4.54	
6,550.0	91.78	358.92	5,892.4	46.8	-742.0	124.6	1.42	-1.13	
6,640.0	92.13	0.23	5,889.4	136.7	-742.7	214.1	1.51	0.39	
6,727.0	89.41	359.82	5,888.2	223.7	-742.6	300.6	3.16	-3.13	
6,906.0	88.53	0.74	5,891.4	402.7	-741.8	478.5	0.71	-0.49	
6,996.0	91.32	0.15	5,891.5	492.7	-741.1	567.9	3.17	3.10	
7,083.0	91.37	0.11	5,889.5	579.6	-740.9	654.4	0.07	0.06	
7,173.0	91.71	359.94	5,887.1	669.6	-740.8	743.8	0.42	0.38	
7,260.0	91.98	358.90	5,884.3	756.6	-741.7	830.4	1.23	0.31	
7,350.0	92.30	358.59	5,880.9	846.5	-743.7	920.0	0.49	0.36	
7,437.0	90.30	0.23	5,878.9	933.4	-744.6	1,006.6	2.97	-2.30	
7,524.0	89.91	359.47	5,878.8	1,020.4	-744.8	1,093.1	0.98	-0.45	
7,614.0	89.66	359.58	5,879.1	1,110.4	-745.6	1,182.7	0.30	-0.28	
7,703.0	89.54	358.72	5,879.7	1,199.4	-746.9	1,271.3	0.98	-0.13	
7,791.0	89.85	358.85	5,880.2	1,287.4	-748.7	1,359.0	0.38	0.35	
7,880.0	89.83	0.28	5,880.5	1,376.4	-749.4	1,447.6	1.61	-0.02	
7,972.0	89.49	358.86	5,881.0	1,468.4	-750.1	1,539.1	1.59	-0.37	
8,063.0	89.81	0.15	5,881.6	1,559.4	-750.9	1,629.7	1.46	0.35	
8,156.0	89.89	1.20	5,881.8	1,652.4	-749.8	1,722.1	1.13	0.09	
8,248.0	91.02	3.15	5,881.1	1,744.3	-746.3	1,813.1	2.45	1.23	
8,340.0	90.98	2.56	5,879.5	1,836.2	-741.7	1,904.0	0.64	-0.04	
8,434.0	89.91	2.13	5,878.7	1,930.1	-737.9	1,997.0	1.23	-1.14	
8,525.0	90.42	2.60	5,878.5	2,021.0	-734.1	2,087.0	0.76	0.56	
8,617.0	90.18	2.21	5,878.0	2,112.9	-730.3	2,178.0	0.50	-0.26	
8,709.0	89.46	1.17	5,878.3	2,204.9	-727.5	2,269.2	1.37	-0.78	
8,802.0	90.64	1.71	5,878.2	2,297.9	-725.2	2,361.4	1.40	1.27	
8,893.0	88.88	1.24	5,878.6	2,388.8	-722.9	2,451.6	2.00	-1.93	
8,985.0	89.51	1.15	5,879.9	2,480.8	-720.9	2,542.9	0.69	0.68	
9,077.0	88.71	359.63	5,881.3	2,572.8	-720.3	2,634.3	1.87	-0.87	
9,170.0	88.94	359.05	5,883.2	2,665.7	-721.4	2,726.8	0.67	0.25	
9,263.0	90.31	359.51	5,883.8	2,758.7	-722.6	2,819.4	1.55	1.47	
9,354.0	90.72	359.37	5,883.0	2,849.7	-723.5	2,910.0	0.48	0.45	
9,446.0	90.47	358.90	5,882.0	2,941.7	-724.8	3,001.6	0.58	-0.27	
9,537.0	90.23	358.45	5,881.5	3,032.7	-726.9	3,092.3	0.56	-0.26	
9,628.0	90.59	357.92	5,880.8	3,123.6	-729.8	3,183.1	0.70	0.40	
9,719.0	91.49	357.78	5,879.2	3,214.6	-733.2	3,273.9	1.00	0.99	
9,811.0	90.28	359.27	5,877.8	3,306.5	-735.6	3,365.5	2.09	-1.32	
9,903.0	89.57	0.37	5,877.9	3,398.5	-735.9	3,457.1	1.42	-0.77	
9,995.0	90.51	359.90	5,877.8	3,490.5	-735.7	3,548.5	1.14	1.02	
10,087.0	89.14	1.53	5,878.1	3,582.5	-734.5	3,639.9	2.31	-1.49	
10,180.0	90.46	1.21	5,878.4	3,675.5	-732.3	3,732.1	1.46	1.42	
10,272.0	89.38	1.34	5,878.6	3,767.4	-730.3	3,823.4	1.18	-1.17	

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<b>Site:</b>	S11-T10N-R58W	<b>MD Reference:</b>	WELL @ 4989.7usft (Original Well Elev)
<b>Well:</b>	Razor #11G-0209A	<b>North Reference:</b>	True
<b>Wellbore:</b>	HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL	<b>Database:</b>	USA EDM 5000 Multi Users DB

### Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usf)	Build Rate (°/100u)	Formations / Comments
10,364.0	88.62	2.27	5,880.2	3,859.4	-727.4	3,914.5	1.31	-0.83	
10,455.0	88.92	2.28	5,882.1	3,950.3	-723.8	4,004.5	0.33	0.33	
10,546.0	88.69	1.39	5,884.0	4,041.2	-720.8	4,094.6	1.01	-0.25	
10,639.0	89.77	1.46	5,885.3	4,134.2	-718.5	4,186.8	1.16	1.16	
10,730.0	90.52	1.33	5,885.0	4,225.2	-716.3	4,277.1	0.84	0.82	
10,822.0	89.19	0.16	5,885.3	4,317.1	-715.1	4,368.4	1.93	-1.45	
10,914.0	88.43	359.68	5,887.2	4,409.1	-715.2	4,459.9	0.98	-0.83	
11,006.0	88.86	359.16	5,889.4	4,501.1	-716.2	4,551.5	0.73	0.47	
11,097.0	90.70	359.23	5,889.7	4,592.1	-717.5	4,642.1	2.02	2.02	
11,188.0	89.26	358.31	5,889.7	4,683.1	-719.4	4,732.7	1.88	-1.58	
11,280.0	87.06	358.26	5,892.7	4,775.0	-722.2	4,824.4	2.39	-2.39	
11,373.0	87.51	357.53	5,897.1	4,867.8	-725.6	4,917.1	0.92	0.48	
11,465.0	88.68	358.79	5,900.2	4,959.7	-728.5	5,008.8	1.87	1.27	
11,558.0	90.14	0.28	5,901.1	5,052.7	-729.3	5,101.4	2.24	1.57	
11,649.0	91.10	359.82	5,900.1	5,143.7	-729.2	5,191.8	1.17	1.05	
11,740.0	90.28	0.74	5,899.0	5,234.7	-728.8	5,282.3	1.35	-0.90	
11,832.0	91.19	0.55	5,897.9	5,326.6	-727.7	5,373.6	1.01	0.99	
11,923.0	89.87	0.43	5,897.0	5,417.6	-726.9	5,464.0	1.46	-1.45	
12,015.0	90.56	0.14	5,896.7	5,509.6	-726.5	5,555.5	0.81	0.75	
12,107.0	91.99	359.95	5,894.6	5,601.6	-726.4	5,646.9	1.57	1.55	
12,199.0	89.22	0.44	5,893.6	5,693.6	-726.1	5,738.4	3.06	-3.01	
12,291.0	90.02	0.19	5,894.3	5,785.6	-725.6	5,829.8	0.91	0.87	
12,383.0	91.22	0.07	5,893.3	5,877.6	-725.4	5,921.3	1.31	1.30	
12,475.0	90.83	0.94	5,891.6	5,969.6	-724.6	6,012.7	1.04	-0.42	
12,567.0	90.09	359.21	5,890.9	6,061.6	-724.4	6,104.1	2.05	-0.80	
12,658.0	90.16	358.89	5,890.7	6,152.5	-726.0	6,194.8	0.36	0.08	
12,751.0	89.94	358.61	5,890.6	6,245.5	-728.0	6,287.4	0.38	-0.24	
12,843.0	89.66	358.23	5,890.9	6,337.5	-730.5	6,379.2	0.51	-0.30	
12,933.0	89.54	0.41	5,891.5	6,427.5	-731.6	6,468.8	2.43	-0.13	
13,019.0	90.18	0.86	5,891.8	6,513.5	-730.6	6,554.2	0.91	0.74	
13,106.0	91.47	0.00	5,890.5	6,600.4	-730.0	6,640.6	1.78	1.48	
13,194.0	92.96	359.34	5,887.1	6,688.4	-730.5	6,728.1	1.85	1.69	
13,284.0	90.42	357.83	5,884.4	6,778.3	-732.7	6,817.8	3.28	-2.82	
13,373.0	88.99	357.10	5,884.9	6,867.2	-736.7	6,906.6	1.80	-1.61	
13,463.0	90.28	356.84	5,885.5	6,957.1	-741.4	6,996.5	1.46	1.43	
13,487.0	90.81	356.98	5,885.3	6,981.0	-742.7	7,020.4	2.28	2.21	Last CES Survey @ 13,487' MD
13,537.0	90.81	356.98	5,884.5	7,031.0	-745.3	7,070.4	0.00	0.00	TD - 600' FNL & 2822' FWL

## Survey Report

<b>Company:</b>	Whiting Petroleum Corporation	<b>Local Co-ordinate Reference:</b>	Well Razor #11G-0209A
<b>Project:</b>	Weld County, CO	<b>TVD Reference:</b>	WELL @ 4989.7usft (Original Well Elev)
<b>Site:</b>	S11-T10N-R58W	<b>MD Reference:</b>	WELL @ 4989.7usft (Original Well Elev)
<b>Well:</b>	Razor #11G-0209A	<b>North Reference:</b>	True
<b>Wellbore:</b>	HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL	<b>Database:</b>	USA EDM 5000 Multi Users DB

Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Razor # 11G-0209A VP - actual wellpath misses target center by 14.8usft at 5206.1usft MD (5067.9 TVD, -768.3 N, -749.2 E) - Point	0.00	0.00	5,068.1	-754.6	-743.7	1,557,633.68	3,461,332.00	40.852173	-103.832352
Razor # 11G-0209A PB - actual wellpath misses target center by 14.5usft at 13536.6usft MD (5884.5 TVD, 7030.6 N, -745.3 E) - Point	0.00	0.00	5,899.0	7,030.9	-743.7	1,565,417.78	3,461,185.36	40.873542	-103.832353
Razor # 11G-0209A PB - actual wellpath misses target center by 16.6usft at 13537.0usft MD (5884.5 TVD, 7031.0 N, -745.3 E) - Point	0.00	0.00	5,868.0	7,030.9	-743.7	1,565,417.78	3,461,185.36	40.873542	-103.832353
Razor # 11G-0209A VP - actual wellpath misses target center by 63.4usft at 5217.9usft MD (5079.7 TVD, -768.3 N, -749.2 E) - Point	0.00	0.00	5,078.1	-705.2	-743.7	1,557,683.07	3,461,331.07	40.852309	-103.832352
Razor # 11G-0209A PB - actual wellpath misses target center by 4.8usft at 13536.8usft MD (5884.5 TVD, 7030.7 N, -745.3 E) - Point	0.00	0.00	5,889.0	7,030.9	-743.7	1,565,417.78	3,461,185.36	40.873542	-103.832353

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,358.0	5,896.7	-145.1	-741.2	7" - 2461' FNL & 2769' FWL
13,487.0	5,885.3	6,981.0	-742.7	Last CES Survey @ 13,487' MD
13,537.0	5,884.5	7,031.0	-745.3	TD - 600' FNL & 2822' FWL

Checked By: _____	Approved By: _____	Date: _____
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