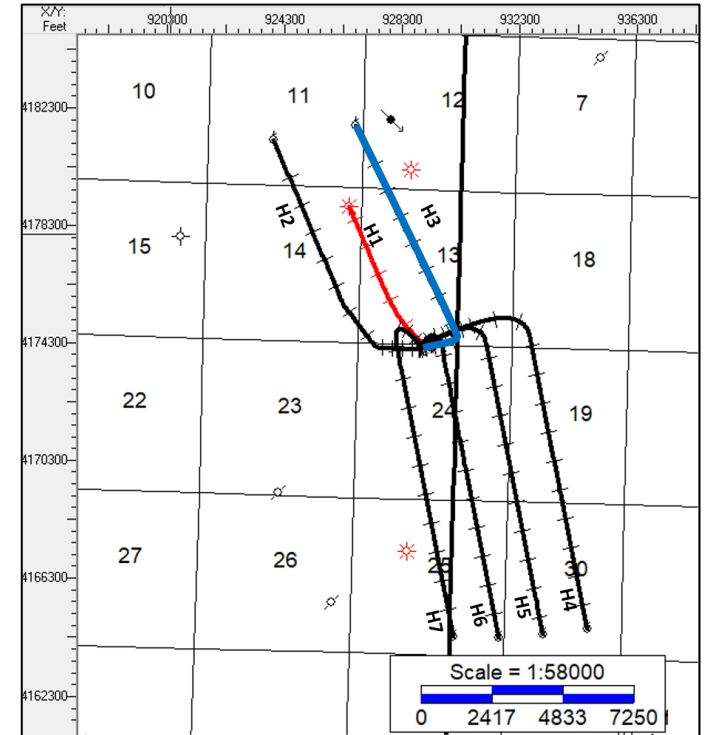
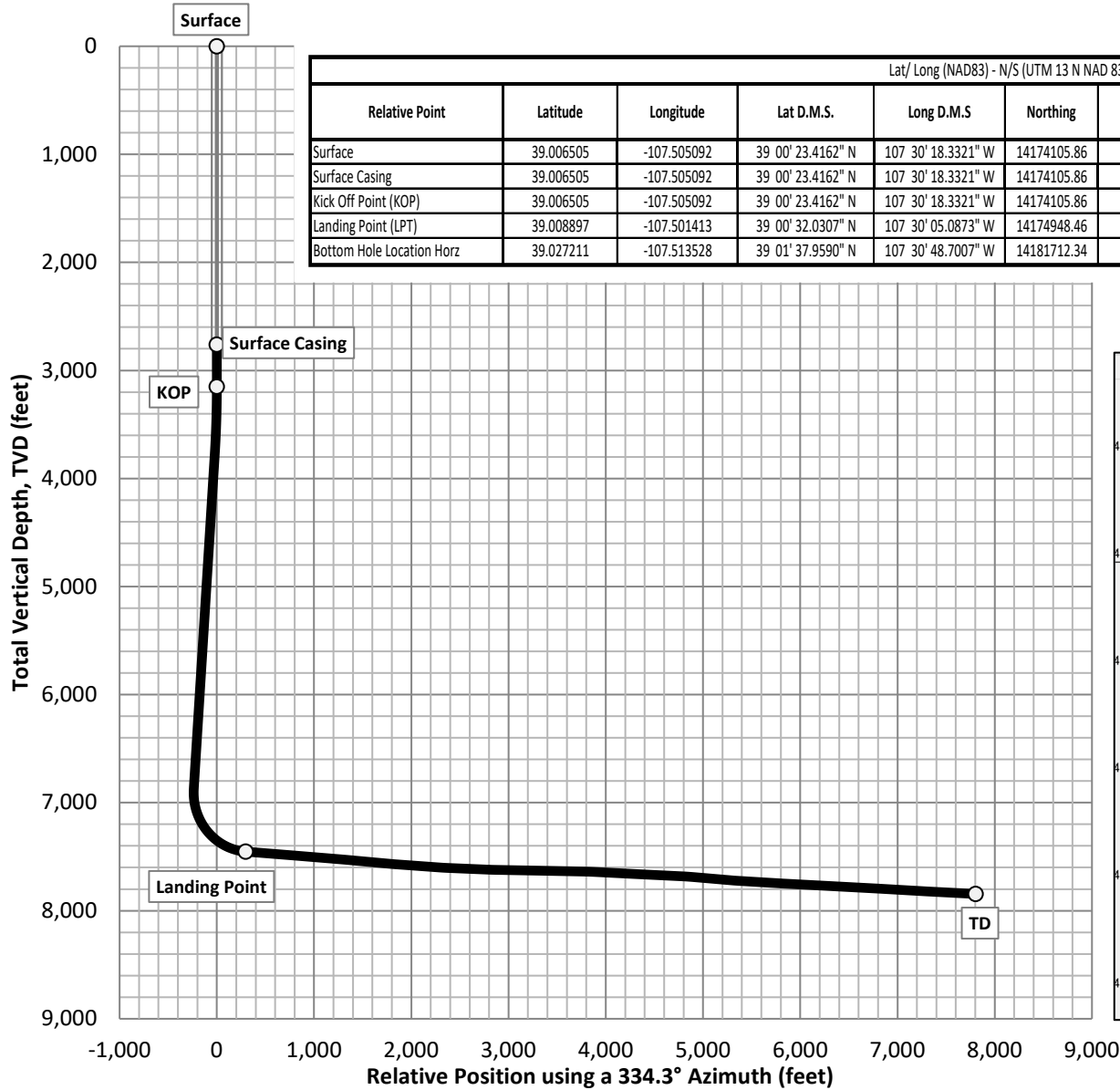


Directional Drilling Plan

Iron Point H3



GUNNISON ENERGY LLC



Point	MD	Incl	Azim	Sub_Sea	TVD	Local_N_Co	Local_E_Co	Dogleg	Vertical_S	Annotation
Surface	0.0	0.0	0.0	7835.0	0.0	0.000	0.000	0.000	0.00	
	100.0	0.0	0.0	7735.0	100.0	0.000	0.000	0.000	0.00	
	200.0	0.0	0.0	7635.0	200.0	0.000	0.000	0.000	0.00	
	300.0	0.0	0.0	7535.0	300.0	0.000	0.000	0.000	0.00	
	400.0	0.0	0.0	7435.0	400.0	0.000	0.000	0.000	0.00	
	500.0	0.0	0.0	7335.0	500.0	0.000	0.000	0.000	0.00	
	600.0	0.0	0.0	7235.0	600.0	0.000	0.000	0.000	0.00	
	700.0	0.0	0.0	7135.0	700.0	0.000	0.000	0.000	0.00	
	800.0	0.0	0.0	7035.0	800.0	0.000	0.000	0.000	0.00	
	900.0	0.0	0.0	6935.0	900.0	0.000	0.000	0.000	0.00	
	1000.0	0.0	0.0	6835.0	1000.0	0.000	0.000	0.000	0.00	
	1100.0	0.0	0.0	6735.0	1100.0	0.000	0.000	0.000	0.00	
	1200.0	0.0	0.0	6635.0	1200.0	0.000	0.000	0.000	0.00	
	1300.0	0.0	0.0	6535.0	1300.0	0.000	0.000	0.000	0.00	
	1400.0	0.0	0.0	6435.0	1400.0	0.000	0.000	0.000	0.00	
	1500.0	0.0	0.0	6335.0	1500.0	0.000	0.000	0.000	0.00	
	1600.0	0.0	0.0	6235.0	1600.0	0.000	0.000	0.000	0.00	
	1700.0	0.0	0.0	6135.0	1700.0	0.000	0.000	0.000	0.00	
	1800.0	0.0	0.0	6035.0	1800.0	0.000	0.000	0.000	0.00	
	1900.0	0.0	0.0	5935.0	1900.0	0.000	0.000	0.000	0.00	
	2000.0	0.0	0.0	5835.0	2000.0	0.000	0.000	0.000	0.00	
	2100.0	0.0	0.0	5735.0	2100.0	0.000	0.000	0.000	0.00	
	2200.0	0.0	0.0	5635.0	2200.0	0.000	0.000	0.000	0.00	
	2300.0	0.0	0.0	5535.0	2300.0	0.000	0.000	0.000	0.00	
	2400.0	0.0	0.0	5435.0	2400.0	0.000	0.000	0.000	0.00	
	2500.0	0.0	0.0	5335.0	2500.0	0.000	0.000	0.000	0.00	
	2600.0	0.0	0.0	5235.0	2600.0	0.000	0.000	0.000	0.00	
	2700.0	0.0	0.0	5135.0	2700.0	0.000	0.000	0.000	0.00	
	2800.0	0.0	0.0	5035.0	2800.0	0.000	0.000	0.000	0.00	
	2900.0	0.0	0.0	4935.0	2900.0	0.000	0.000	0.000	0.00	
	3000.0	0.0	0.0	4835.0	3000.0	0.000	0.000	0.000	0.00	
	3100.0	0.0	0.0	4735.0	3100.0	0.000	0.000	0.000	0.00	
KOP	3151.0	0.0	0.0	4684.0	3151.0	0.000	0.000	0.000	0.00	Start Build 3.00
	3200.0	1.5	76.0	4635.0	3200.0	0.152	0.610	3.000	-0.13	
	3300.0	4.5	76.0	4535.2	3299.8	1.407	5.636	3.000	-1.18	
	3400.0	7.5	76.0	4435.7	3399.3	3.927	15.726	3.000	-3.28	
	3500.0	10.5	76.0	4336.9	3498.1	7.704	30.852	3.000	-6.44	
	3600.0	13.5	76.0	4239.1	3595.9	12.727	50.971	3.000	-10.64	
	3700.0	16.5	76.0	4142.5	3692.5	18.985	76.030	3.000	-15.86	
	3784.4	19.0	76.0	4062.2	3772.8	25.210	100.963	3.000	-21.07	Start 3277.1 hold at 3783.4 MD
	3800.0	19.0	76.0	4047.4	3787.6	26.443	105.901	0.000	-22.10	
	3900.0	19.0	76.0	3952.8	3882.2	34.331	137.490	0.000	-28.69	
	4000.0	19.0	76.0	3858.3	3976.7	42.218	169.078	0.000	-35.28	
	4100.0	19.0	76.0	3763.7	4071.3	50.106	200.667	0.000	-41.87	
	4200.0	19.0	76.0	3669.2	4165.8	57.994	232.256	0.000	-48.46	
	4300.0	19.0	76.0	3574.6	4260.4	65.881	263.844	0.000	-55.05	
	4400.0	19.0	76.0	3480.1	4354.9	73.769	295.433	0.000	-61.65	
	4500.0	19.0	76.0	3385.5	4449.5	81.656	327.021	0.000	-68.24	
	4600.0	19.0	76.0	3291.0	4544.0	89.544	358.610	0.000	-74.83	
	4700.0	19.0	76.0	3196.4	4638.6	97.432	390.199	0.000	-81.42	
	4800.0	19.0	76.0	3101.9	4733.1	105.319	421.787	0.000	-88.01	
	4900.0	19.0	76.0	3007.3	4827.7	113.207	453.376	0.000	-94.60	
	5000.0	19.0	76.0	2912.8	4922.2	121.094	484.964	0.000	-101.19	
	5100.0	19.0	76.0	2818.2	5016.8	128.982	516.553	0.000	-107.79	
	5200.0	19.0	76.0	2723.7	5111.3	136.869	548.142	0.000	-114.38	
	5300.0	19.0	76.0	2629.1	5205.9	144.757	579.730	0.000	-120.97	
	5400.0	19.0	76.0	2534.6	5300.4	152.645	611.319	0.000	-127.56	
	5500.0	19.0	76.0	2440.0	5395.0	160.532	642.908	0.000	-134.15	
	5600.0	19.0	76.0	2345.5	5489.5	168.420	674.496	0.000	-140.74	
	5700.0	19.0	76.0	2250.9	5584.1	176.307	706.085	0.000	-147.33	
	5800.0	19.0	76.0	2156.4	5678.6	184.195	737.673	0.000	-153.92	

Point	MD	Incl	Azim	Sub_Sea	TVD	Local_N_Co	Local_E_Co	Dogleg	Vertical_S	Annotation
	5900.0	19.0	76.0	2061.8	5773.2	192.083	769.262	0.000	-160.52	
	6000.0	19.0	76.0	1967.3	5867.7	199.970	800.851	0.000	-167.11	
	6100.0	19.0	76.0	1872.7	5962.3	207.858	832.439	0.000	-173.70	
	6200.0	19.0	76.0	1778.2	6056.8	215.745	864.028	0.000	-180.29	
	6300.0	19.0	76.0	1683.6	6151.4	223.633	895.616	0.000	-186.88	
	6400.0	19.0	76.0	1589.1	6245.9	231.520	927.205	0.000	-193.47	
	6500.0	19.0	76.0	1494.5	6340.5	239.408	958.794	0.000	-200.06	
	6600.0	19.0	76.0	1400.0	6435.0	247.296	990.382	0.000	-206.66	
	6700.0	19.0	76.0	1305.4	6529.6	255.183	1021.971	0.000	-213.25	
	6800.0	19.0	76.0	1210.9	6624.1	263.071	1053.559	0.000	-219.84	
	6900.0	19.0	76.0	1116.3	6718.7	270.958	1085.148	0.000	-226.43	
	7000.0	19.0	76.0	1021.8	6813.2	278.846	1116.737	0.000	-233.02	
	7061.4	19.0	76.0	963.7	6871.3	283.690	1136.137	0.000	-237.07	Start DLS 10.00 TFO -102.39
	7100.0	18.5	64.1	927.1	6907.9	287.898	1147.753	10.000	-238.32	
	7150.0	19.1	48.6	879.8	6955.2	296.790	1161.046	10.000	-236.07	
	7200.0	20.8	34.8	832.8	7002.2	309.500	1172.259	10.000	-229.48	
	7250.0	23.5	23.5	786.4	7048.6	325.931	1181.307	10.000	-218.60	
	7300.0	26.8	14.6	741.1	7093.9	345.958	1188.121	10.000	-203.50	
	7350.0	30.5	7.6	697.2	7137.8	369.429	1192.649	10.000	-184.32	
	7400.0	34.5	2.1	655.1	7179.9	396.166	1194.857	10.000	-161.18	
	7450.0	38.7	357.6	614.9	7220.1	425.964	1194.728	10.000	-134.28	
	7500.0	43.1	353.9	577.2	7257.8	458.598	1192.263	10.000	-103.80	
	7550.0	47.6	350.8	542.0	7293.0	493.818	1187.480	10.000	-69.99	
	7600.0	52.1	348.0	509.8	7325.2	531.356	1180.417	10.000	-33.11	
	7650.0	56.7	345.6	480.7	7354.3	570.927	1171.126	10.000	6.58	
	7700.0	61.4	343.5	455.0	7380.0	612.231	1159.679	10.000	48.76	
	7750.0	66.0	341.5	432.8	7402.2	654.951	1146.163	10.000	93.12	
	7800.0	70.7	339.6	414.4	7420.6	698.764	1130.680	10.000	139.31	
	7850.0	75.4	337.9	399.9	7435.1	743.335	1113.349	10.000	186.99	
	7900.0	80.2	336.2	389.3	7445.7	788.326	1094.301	10.000	235.79	
	7950.0	84.9	334.6	382.8	7452.2	833.395	1073.681	10.000	285.34	
Landing	7960.2	85.9	334.3	382.0	7453.0	842.600	1069.279	10.000	295.54	Start 501.3 hold at 7959.2 MD
	8000.0	85.9	334.3	379.1	7455.9	878.332	1052.069	0.000	335.21	
	8100.0	85.9	334.3	372.0	7463.0	968.194	1008.788	0.000	434.95	
	8200.0	85.9	334.3	364.8	7470.2	1058.056	965.506	0.000	534.69	
	8300.0	85.9	334.3	357.6	7477.4	1147.917	922.224	0.000	634.43	
	8400.0	85.9	334.3	350.4	7484.6	1237.779	878.943	0.000	734.17	
	8461.5	85.9	334.3	346.0	7489.0	1293.070	852.312	0.000	795.54	Start DLS 2.00 TFO 179.76
	8467.3	85.8	334.3	345.6	7489.4	1298.217	849.833	2.000	801.26	Start 495.6 hold at 8466.3 MD
	8500.0	85.8	334.3	343.2	7491.8	1327.636	835.664	0.000	833.91	
	8600.0	85.8	334.3	335.8	7499.2	1417.485	792.389	0.000	933.64	
	8700.0	85.8	334.3	328.4	7506.6	1507.334	749.115	0.000	1033.36	
	8800.0	85.8	334.3	321.0	7514.0	1597.183	705.840	0.000	1133.09	
	8900.0	85.8	334.3	313.6	7521.4	1687.032	662.566	0.000	1232.82	
	8962.9	85.8	334.3	309.0	7526.0	1743.550	635.345	0.000	1295.55	Start DLS 2.00 TFO -179.94
	8986.2	85.3	334.3	307.2	7527.8	1764.471	625.268	2.000	1318.77	Start 478.4 hold at 8985.2 MD
	9000.0	85.3	334.3	306.1	7528.9	1776.867	619.298	0.000	1332.53	
	9100.0	85.3	334.3	297.9	7537.1	1866.658	576.050	0.000	1432.19	
	9200.0	85.3	334.3	289.7	7545.3	1956.450	532.802	0.000	1531.86	
	9300.0	85.3	334.3	281.5	7553.5	2046.241	489.554	0.000	1631.52	
	9400.0	85.3	334.3	273.3	7561.7	2136.033	446.307	0.000	1731.19	
	9464.6	85.3	334.3	268.0	7567.0	2194.020	418.377	0.000	1795.55	Start DLS 2.00 TFO 0.00
	9500.0	86.0	334.3	265.3	7569.7	2225.840	403.051	2.000	1830.87	
	9513.1	86.3	334.3	264.4	7570.6	2237.571	397.401	2.000	1843.89	Start 452.6 hold at 9512.1 MD
	9600.0	86.3	334.3	258.8	7576.2	2315.742	359.751	0.000	1930.65	
	9700.0	86.3	334.3	252.3	7582.7	2405.645	316.449	0.000	2030.44	
	9800.0	86.3	334.3	245.8	7589.2	2495.549	273.147	0.000	2130.23	
	9900.0	86.3	334.3	239.3	7595.7	2585.453	229.845	0.000	2230.02	
	9965.7	86.3	334.3	235.0	7600.0	2644.490	201.410	0.000	2295.55	Start DLS 2.00 TFO 0.00
	10000.0	87.0	334.3	233.0	7602.0	2675.367	186.538	2.000	2329.82	
	10043.7	87.8	334.3	231.0	7604.0	2714.675	167.606	2.000	2373.45	Start 422.4 hold at 10042.7 MD

Point	MD	Incl	Azim	Sub_Sea	TVD	Local_N_Co	Local_E_Co	Dogleg	Vertical_S	Annotation
	10100.0	87.8	334.3		228.9	7606.1	2765.384	143.182	0.000	2429.73
	10200.0	87.8	334.3		225.1	7609.9	2855.414	99.819	0.000	2529.66
	10300.0	87.8	334.3		221.3	7613.7	2945.444	56.457	0.000	2629.59
	10400.0	87.8	334.3		217.5	7617.5	3035.474	13.094	0.000	2729.52
	10466.1	87.8	334.3		215.0	7620.0	3094.960	-15.557	0.000	2795.54 Start DLS 2.00 TFO 0.00
	10500.0	88.5	334.3		213.9	7621.1	3125.510	-30.271	2.000	2829.45
	10526.6	89.0	334.3		213.3	7621.7	3149.497	-41.825	2.000	2856.08 Start 439.5 hold at 10525.6 MD
	10600.0	89.0	334.3		212.1	7622.9	3215.589	-73.658	0.000	2929.44
	10700.0	89.0	334.3		210.4	7624.6	3305.671	-117.046	0.000	3029.42
	10800.0	89.0	334.3		208.8	7626.2	3395.753	-160.433	0.000	3129.41
	10900.0	89.0	334.3		207.1	7627.9	3485.835	-203.821	0.000	3229.39
	10966.2	89.0	334.3		206.0	7629.0	3545.430	-232.525	0.000	3295.54 Start DLS 0.03 TFO 179.61
	11000.0	89.0	334.3		205.4	7629.6	3575.916	-247.208	0.029	3329.38
	11100.0	89.0	334.3		203.7	7631.3	3665.997	-290.595	0.029	3429.37
	11200.0	89.0	334.3		202.0	7633.0	3756.078	-333.981	0.029	3529.35
	11300.0	88.9	334.3		200.1	7634.9	3846.158	-377.367	0.029	3629.33
	11400.0	88.9	334.3		198.3	7636.7	3936.237	-420.752	0.029	3729.32
	11466.2	88.9	334.3		197.0	7638.0	3995.910	-449.492	0.029	3795.55 Start DLS 2.00 TFO -179.96
	11500.0	88.2	334.3		196.2	7638.8	4026.311	-464.134	2.000	3829.29
	11542.9	87.4	334.3		194.5	7640.5	4064.890	-482.715	2.000	3872.11 Start 423.9 hold at 11541.9 MD
	11600.0	87.4	334.3		191.9	7643.1	4116.322	-507.488	0.000	3929.20
	11700.0	87.4	334.3		187.3	7647.7	4206.321	-550.835	0.000	4029.09
	11800.0	87.4	334.3		182.7	7652.3	4296.320	-594.183	0.000	4128.99
	11900.0	87.4	334.3		178.1	7656.9	4386.319	-637.531	0.000	4228.88
	11966.7	87.4	334.3		175.0	7660.0	4446.380	-666.459	0.000	4295.55 Start DLS 2.00 TFO 0.04
	11972.6	87.5	334.3		174.7	7660.3	4451.688	-669.016	2.000	4301.44 Start 494.6 hold at 11971.6 MD
	12000.0	87.5	334.3		173.5	7661.5	4476.321	-680.880	0.000	4328.78
	12100.0	87.5	334.3		169.1	7665.9	4566.328	-724.232	0.000	4428.68
	12200.0	87.5	334.3		164.7	7670.3	4656.335	-767.583	0.000	4528.59
	12300.0	87.5	334.3		160.3	7674.7	4746.342	-810.935	0.000	4628.49
	12400.0	87.5	334.3		156.0	7679.0	4836.350	-854.287	0.000	4728.39
	12467.2	87.5	334.3		153.0	7682.0	4896.850	-883.427	0.000	4795.54 Start DLS 2.00 TFO 180.00
	12500.0	86.8	334.3		151.4	7683.6	4926.349	-897.635	2.000	4828.29
	12561.8	85.6	334.3		147.3	7687.7	4981.918	-924.399	2.000	4889.97 Start 406.8 hold at 12560.8 MD
	12600.0	85.6	334.3		144.3	7690.7	5016.218	-940.920	0.000	4928.04
	12700.0	85.6	334.3		136.7	7698.3	5106.046	-984.185	0.000	5027.74
	12800.0	85.6	334.3		129.0	7706.0	5195.874	-1027.450	0.000	5127.45
	12900.0	85.6	334.3		121.3	7713.7	5285.701	-1070.715	0.000	5227.15
	12968.6	85.6	334.3		116.0	7719.0	5347.320	-1100.394	0.000	5295.54 Start DLS 2.00 TFO 0.02
	13000.0	86.2	334.3		113.8	7721.2	5375.540	-1113.986	2.000	5326.87
	13033.0	86.9	334.3		111.8	7723.2	5405.230	-1128.286	2.000	5359.82 Start 436.4 hold at 13032.0 MD
	13100.0	86.9	334.3		108.1	7726.9	5465.491	-1157.310	0.000	5426.71
	13200.0	86.9	334.3		102.7	7732.3	5555.452	-1200.638	0.000	5526.56
	13300.0	86.9	334.3		97.2	7737.8	5645.413	-1243.966	0.000	5626.41
	13400.0	86.9	334.3		91.8	7743.2	5735.374	-1287.295	0.000	5726.26
	13469.4	86.9	334.3		88.0	7747.0	5797.800	-1317.361	0.000	5795.55 Start DLS 2.00 TFO -0.08
	13488.5	87.3	334.3		87.0	7748.0	5814.962	-1325.627	2.000	5814.60 Start 481.5 hold at 13487.5 MD
	13500.0	87.3	334.3		86.5	7748.5	5825.341	-1330.626	0.000	5826.12
	13600.0	87.3	334.3		81.7	7753.3	5915.333	-1373.970	0.000	5926.01
	13700.0	87.3	334.3		76.9	7758.1	6005.324	-1417.314	0.000	6025.89
	13800.0	87.3	334.3		72.1	7762.9	6095.315	-1460.658	0.000	6125.78
	13900.0	87.3	334.3		67.3	7767.7	6185.307	-1504.002	0.000	6225.66
	13970.0	87.3	334.3		64.0	7771.0	6248.270	-1534.329	0.000	6295.55 Start DLS 0.00 TFO 179.84
	14000.0	87.3	334.3		62.6	7772.4	6275.298	-1547.346	0.003	6325.55
	14100.0	87.3	334.3		57.8	7777.2	6365.289	-1590.690	0.003	6425.43
	14200.0	87.3	334.3		53.0	7782.0	6455.280	-1634.034	0.003	6525.32
	14300.0	87.3	334.3		48.2	7786.8	6545.271	-1677.378	0.003	6625.20
	14400.0	87.2	334.3		43.4	7791.6	6635.261	-1720.721	0.003	6725.09
	14470.5	87.2	334.3		40.0	7795.0	6698.740	-1751.296	0.000	6795.55 Start DLS 2.00 TFO -179.99
	14481.7	87.0	334.3		39.4	7795.6	6708.811	-1756.147	2.018	6806.72 Start 489.5 hold at 14480.7 MD
	14500.0	87.0	334.3		38.5	7796.5	6725.247	-1764.063	0.000	6824.97

Point	MD	Incl_	Azim_	Sub_Sea	TVD	Local_N_Co	Local_E_Co	Dogleg	Vertical_S	Annotation
	14600.0	87.0	334.3	33.3	7801.7	6815.220	-1807.398	0.000	6924.83	
	14700.0	87.0	334.3	28.1	7806.9	6905.192	-1850.733	0.000	7024.70	
	14800.0	87.0	334.3	22.9	7812.1	6995.165	-1894.068	0.000	7124.56	
	14900.0	87.0	334.3	17.7	7817.3	7085.137	-1937.403	0.000	7224.43	
	14971.2	87.0	334.3	14.0	7821.0	7149.210	-1968.263	0.000	7295.54	Start DLS 2.00 TFO 0.00
	14985.0	87.3	334.3	13.3	7821.7	7161.612	-1974.237	2.000	7309.31	Start 494.3 hold at 14984.0 MD
	15000.0	87.3	334.3	12.6	7822.4	7175.115	-1980.740	0.000	7324.30	
	15100.0	87.3	334.3	7.9	7827.1	7265.109	-2024.085	0.000	7424.19	
	15200.0	87.3	334.3	3.2	7831.8	7355.103	-2067.431	0.000	7524.07	
	15300.0	87.3	334.3	-1.5	7836.5	7445.097	-2110.776	0.000	7623.96	
	15400.0	87.3	334.3	-6.3	7841.3	7535.091	-2154.121	0.000	7723.85	
TD	15479.3	87.3	334.3	-10.0	7845.0	7606.480	-2188.506	0.000	7803.09	TD at 15478.3