

Minimum Radius of Curvature

API: 42-479-44608 **Well: Gates 010-CHK-A TR3 O 1H** **Wellhead Location N+/S- : 28.042409**
Operator: Chesapeake Energy **Area: Eagleford** **E+/W- : -99.856962**
Rig: Nabors 887 **Type: U-Lateral** **Magnetic Declination: 4.43**
TD: 16,438' **Plane of Proposal: 115.00**

Measured Depth Ft	Drift Angle Deg	Azimuth Direction Deg	Course Length Ft	TVD Ft	Vertical Section Ft	COORDINATES		CLOSURE		Dog Leg Severity Deg/100'	Build / Drop Deg/100'	Left / Right Deg/100'
						N-S Ft	E-W Ft	Distance FT	Direction Deg			
0.00	0.00	0.00		0.0	0.00	0.00	0.00	0.00	0.00			
21.50	0.00	360.00	22	21.5	102.35	0.00	0.00	0.00	#DIV/0!	0.00		
163.50	0.84	130.64	142	163.5	103.35	-0.68	0.79	1.04	130.64	0.59	0.59	-161.52
248.50	0.79	134.51	85	248.5	104.51	-1.49	1.68	2.25	131.65	0.09	-0.06	4.55
332.50	0.92	123.61	84	332.5	105.72	-2.27	2.66	3.50	130.58	0.25	0.15	-12.98
417.50	0.97	125.10	85	417.5	107.10	-3.07	3.81	4.89	128.80	0.07	0.06	1.75
501.50	1.14	110.16	84	501.5	108.64	-3.76	5.18	6.40	126.00	0.38	0.20	-17.79
586.50	0.92	110.87	85	586.4	110.16	-4.30	6.61	7.88	123.03	0.26	-0.26	0.84
671.50	0.79	99.44	85	671.4	111.40	-4.64	7.83	9.10	120.64	0.25	-0.15	-13.45
756.50	0.75	21.92	85	756.4	111.94	-4.22	8.61	9.59	116.09	1.13	-0.05	-91.20
841.50	1.45	7.95	85	841.4	111.59	-2.63	8.97	9.35	106.37	0.88	0.82	-16.44
926.50	1.58	348.96	85	926.4	110.59	-0.42	8.89	8.90	92.70	0.61	0.15	401.19
1010.50	3.16	318.02	84	1010.3	107.78	2.44	7.12	7.53	71.10	2.36	1.88	-36.83
1094.50	3.74	317.06	84	1094.2	103.11	6.17	3.71	7.19	31.01	0.69	0.69	-1.14
1179.50	3.87	316.00	85	1179.0	97.86	10.26	-0.17	10.26	359.02	0.17	0.15	-1.25
1264.50	3.87	319.17	85	1263.8	92.56	14.49	-4.04	15.05	344.41	0.25	0.00	3.73
1348.50	3.78	317.23	84	1347.6	87.41	18.67	-7.78	20.22	337.39	0.19	-0.11	-2.31
1432.50	2.77	315.30	84	1431.4	82.95	22.14	-11.08	24.76	333.41	1.21	-1.20	-2.30
1517.50	1.89	326.20	85	1516.4	79.82	24.77	-13.31	28.12	331.75	1.15	-1.04	12.82
1601.50	1.89	46.71	84	1600.3	79.15	26.87	-13.07	29.88	334.06	2.91	0.00	-332.73
1686.50	2.02	51.01	85	1685.3	80.33	28.77	-10.89	30.77	339.28	0.23	0.15	5.06
1771.50	1.98	62.17	85	1770.2	81.87	30.40	-8.42	31.55	344.51	0.46	-0.05	13.13
1856.50	1.93	119.04	85	1855.2	84.18	30.39	-5.87	30.96	349.06	2.19	-0.06	66.91
1940.50	1.93	139.26	84	1939.2	86.88	28.64	-3.71	28.87	352.61	0.81	0.00	24.07
2025.50	1.80	139.96	85	2024.1	89.40	26.53	-1.92	26.60	355.86	0.16	-0.15	0.82
2109.50	1.45	138.73	84	2108.1	91.57	24.72	-0.37	24.72	359.14	0.42	-0.42	-1.46
2194.50	1.54	144.35	85	2193.0	93.55	22.98	1.00	23.01	2.50	0.20	0.11	6.61
2278.50	1.32	143.30	84	2277.0	95.38	21.29	2.24	21.41	6.01	0.26	-0.26	-1.25
2363.50	1.32	148.92	85	2362.0	97.06	19.67	3.33	19.95	9.61	0.15	0.00	6.61
2447.50	1.23	168.79	84	2446.0	98.39	17.95	4.01	18.40	12.58	0.53	-0.11	23.65
2532.50	1.49	172.39	85	2531.0	99.53	15.96	4.33	16.54	15.17	0.32	0.31	4.24
2616.50	1.49	174.94	84	2614.9	100.67	13.79	4.57	14.53	18.33	0.08	0.00	3.04
2701.50	1.80	191.46	85	2699.9	101.53	11.38	4.40	12.21	21.14	0.66	0.36	19.44
2785.50	1.67	198.76	84	2783.9	101.97	8.93	3.75	9.69	22.76	0.30	-0.15	8.69
2869.50	1.76	205.09	84	2867.8	102.10	6.60	2.81	7.18	23.02	0.25	0.11	7.54
2954.50	1.80	204.47	85	2952.8	102.11	4.21	1.70	4.54	21.99	0.05	0.05	-0.73
3083.00	1.58	214.69	129	3081.2	101.83	0.91	-0.14	0.93	351.00	0.29	-0.17	7.95
3178.00	1.57	224.04	95	3176.2	101.19	-1.10	-1.79	2.10	238.54	0.27	-0.01	9.84
3273.00	2.29	238.58	95	3271.1	99.72	-3.02	-4.32	5.27	235.01	0.91	0.76	15.31
3368.00	3.46	244.17	95	3366.0	96.85	-5.26	-8.52	10.01	238.30	1.26	1.23	5.88
3463.00	3.81	265.74	95	3460.8	92.29	-6.75	-14.25	15.76	244.67	1.48	0.37	22.71
3557.00	3.58	262.30	94	3554.6	87.10	-7.37	-20.27	21.57	250.02	0.34	-0.24	-3.66
3652.00	3.49	277.69	95	3649.4	81.84	-7.38	-26.08	27.10	254.19	1.00	-0.09	16.20
3748.00	3.48	282.75	96	3745.3	76.20	-6.35	-31.81	32.44	258.72	0.32	-0.01	5.27
3843.00	3.94	277.59	95	3840.1	70.27	-5.28	-37.86	38.23	262.06	0.60	0.48	-5.43
3937.00	4.08	269.14	94	3933.8	64.18	-4.90	-44.40	44.67	263.70	0.65	0.15	-8.99
4032.00	3.64	270.01	95	4028.6	58.41	-4.95	-50.80	51.04	264.43	0.47	-0.46	0.92
4127.00	3.56	272.73	95	4123.4	52.94	-4.81	-56.76	56.97	265.15	0.20	-0.08	2.86
4222.00	4.39	259.68	95	4218.2	47.25	-5.32	-63.29	63.51	265.19	1.29	0.87	-13.74
4317.00	4.12	261.56	95	4312.9	41.43	-6.48	-70.24	70.54	264.73	0.32	-0.28	1.98
4412.00	3.79	263.06	95	4407.7	35.92	-7.36	-76.73	77.08	264.52	0.36	-0.35	1.58
4507.00	3.53	268.03	95	4502.5	30.65	-7.84	-82.77	83.14	264.59	0.43	-0.27	5.23
4601.00	4.83	267.75	94	4596.3	24.55	-8.09	-89.62	89.98	264.84	1.38	1.38	-0.30
4696.00	4.39	270.66	95	4691.0	17.68	-8.21	-97.25	97.59	265.18	0.52	-0.46	3.06
4791.00	4.16	271.54	95	4785.7	11.21	-8.07	-104.33	104.64	265.58	0.25	-0.24	0.93
4886.00	3.99	272.99	95	4880.5	4.98	-7.81	-111.07	111.35	265.98	0.21	-0.18	1.53
4980.00	4.94	262.90	94	4974.2	-1.48	-8.14	-118.36	118.64	266.07	1.31	1.01	-10.73
5075.00	4.87	261.74	95	5068.8	-8.31	-9.22	-126.41	126.74	265.83	0.13	-0.07	-1.22

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						N-S Ft	E-W Ft	Distance FT	Direction Deg			
5170.00	4.53	264.60	95	5163.5	-14.92	-10.15	-134.13	134.52	265.67	0.43	-0.36	3.01
5265.00	4.38	268.43	95	5258.2	-21.40	-10.61	-141.49	141.89	265.71	0.35	-0.16	4.03
5360.00	4.18	271.63	95	5353.0	-27.82	-10.61	-148.58	148.96	265.92	0.33	-0.21	3.37
5455.00	4.18	271.33	95	5447.7	-34.17	-10.43	-155.50	155.85	266.16	0.02	0.00	-0.32
5549.00	4.14	273.36	94	5541.5	-40.47	-10.15	-162.31	162.63	266.42	0.16	-0.04	2.16
5644.00	4.43	264.42	95	5636.2	-46.81	-10.31	-169.39	169.70	266.52	0.77	0.31	-9.41
5739.00	3.91	264.86	95	5730.9	-52.77	-10.95	-176.27	176.61	266.44	0.55	-0.55	0.46
5834.00	3.46	263.08	95	5825.7	-58.01	-11.59	-182.34	182.71	266.36	0.49	-0.47	-1.87
5929.00	3.52	261.14	95	5920.6	-62.86	-12.38	-188.07	188.47	266.23	0.14	0.06	-2.04
6024.00	3.65	263.06	95	6015.4	-67.85	-13.20	-193.95	194.40	266.11	0.19	0.14	2.02
6119.00	3.61	271.57	95	6110.2	-73.16	-13.48	-199.94	200.40	266.14	0.57	-0.04	8.96
6214.00	3.54	277.79	95	6205.0	-78.70	-13.00	-205.84	206.25	266.39	0.41	-0.07	6.55
6309.00	3.40	276.36	95	6299.8	-84.18	-12.29	-211.54	211.90	266.67	0.17	-0.15	-1.51
6403.00	3.50	273.86	94	6393.7	-89.49	-11.79	-217.18	217.50	266.89	0.19	0.11	-2.66
6498.00	3.50	272.21	95	6488.5	-94.87	-11.48	-222.97	223.26	267.05	0.11	0.00	-1.74
6593.00	3.52	273.54	95	6583.3	-100.26	-11.19	-228.77	229.05	267.20	0.09	0.02	1.40
6688.00	3.50	275.39	95	6678.1	-105.70	-10.74	-234.57	234.82	267.38	0.12	-0.02	1.95
6783.00	3.49	275.32	95	6773.0	-111.16	-10.20	-240.34	240.55	267.57	0.01	-0.01	-0.07
6878.00	3.31	277.09	95	6867.8	-116.49	-9.59	-245.94	246.13	267.77	0.22	-0.19	1.86
6973.00	3.29	278.36	95	6962.6	-121.71	-8.86	-251.36	251.51	267.98	0.08	-0.02	1.34
7033.00	1.71	103.44	60	7022.6	-122.49	-8.81	-252.19	252.35	268.00	8.33	-2.63	-291.53
7096.00	7.30	105.46	63	7085.4	-117.61	-10.10	-247.42	247.62	267.66	8.88	8.87	3.21
7191.00	7.79	106.06	95	7179.6	-105.30	-13.49	-235.41	235.80	266.72	0.52	0.52	0.63
7286.00	6.67	106.46	95	7273.8	-93.49	-16.83	-223.93	224.56	265.70	1.18	-1.18	0.42
7381.00	6.18	113.42	95	7368.2	-82.92	-20.43	-213.95	214.92	264.55	0.97	-0.52	7.33
7476.00	5.06	116.99	95	7462.8	-73.62	-24.36	-205.52	206.96	263.24	1.23	-1.18	3.76
7571.00	3.55	118.13	95	7557.5	-66.49	-27.65	-199.20	201.11	262.10	1.59	-1.59	1.20
7665.00	4.74	107.70	94	7651.2	-59.74	-30.21	-192.93	195.28	261.10	1.49	1.27	-11.10
7760.00	9.66	103.77	95	7745.5	-48.02	-33.30	-181.44	184.47	259.60	5.20	5.18	-4.14
7855.00	20.69	104.82	95	7837.0	-23.61	-39.51	-157.40	162.28	255.91	11.61	11.61	1.11
7950.00	31.99	112.05	95	7922.0	18.19	-53.29	-117.72	129.22	245.64	12.34	11.89	7.61
8045.00	44.15	116.59	95	7996.7	76.62	-77.65	-64.60	101.00	219.76	13.13	12.80	4.78
8140.00	51.65	117.78	95	8060.3	147.01	-109.86	-1.96	109.88	181.02	7.95	7.89	1.25
8234.00	56.13	114.09	94	8115.7	222.90	-143.00	66.33	157.63	155.12	5.72	4.77	-3.93
8329.00	62.57	115.61	95	8164.1	304.58	-177.36	140.43	226.22	141.63	6.92	6.78	1.60
8424.00	69.56	121.99	95	8202.7	391.10	-219.25	216.36	308.03	135.38	9.58	7.36	6.72
8519.00	81.30	124.21	95	8226.5	481.95	-269.41	293.21	398.19	132.58	12.56	12.36	2.34
8614.00	92.07	116.87	95	8232.0	576.15	-317.47	374.74	491.14	130.27	13.71	11.34	-7.73
8708.00	90.92	116.03	94	8229.6	670.08	-359.32	458.87	582.81	128.06	1.51	-1.22	-0.89
8803.00	90.77	116.09	95	8228.2	765.06	-401.05	544.20	676.02	126.39	0.17	-0.16	0.06
8898.00	90.46	115.06	95	8227.2	860.05	-442.06	629.89	769.53	125.06	1.13	-0.33	-1.08
8993.00	88.26	114.74	95	8228.2	955.03	-482.05	716.05	863.19	123.95	2.34	-2.32	-0.34
9088.00	86.08	113.49	95	8232.9	1049.90	-520.82	802.64	956.81	122.98	2.64	-2.29	-1.32
9183.00	85.96	113.43	95	8239.5	1144.64	-558.55	889.58	1050.39	122.12	0.14	-0.13	-0.06
9278.00	86.25	113.80	95	8246.0	1239.39	-596.51	976.42	1144.21	121.42	0.49	0.31	0.39
9373.00	86.77	113.77	95	8251.7	1334.19	-634.76	1063.19	1238.26	120.84	0.55	0.55	-0.03
9467.00	86.68	113.75	94	8257.1	1428.02	-672.57	1149.08	1331.44	120.34	0.10	-0.10	-0.02
9562.00	86.88	113.94	95	8262.5	1522.85	-710.91	1235.84	1425.72	119.91	0.29	0.21	0.20
9657.00	87.00	113.84	95	8267.5	1617.69	-749.33	1322.57	1520.10	119.53	0.16	0.13	-0.11
9752.00	87.81	114.32	95	8271.8	1712.58	-788.05	1409.22	1614.60	119.21	0.99	0.85	0.51
9847.00	88.59	115.23	95	8274.8	1807.53	-827.84	1495.43	1709.28	118.97	1.26	0.82	0.96
9941.00	89.14	115.38	94	8276.7	1901.51	-868.01	1580.39	1803.08	118.78	0.61	0.59	0.16
10036.00	87.50	116.51	95	8279.5	1996.45	-909.56	1665.78	1897.92	118.64	2.10	-1.73	1.19
10131.00	87.01	116.22	95	8284.0	2091.32	-951.70	1750.80	1992.74	118.53	0.60	-0.52	-0.31
10226.00	87.40	116.38	95	8288.6	2186.18	-993.74	1835.86	2087.56	118.43	0.44	0.41	0.17
10321.00	88.31	116.92	95	8292.2	2281.07	-1036.32	1920.71	2182.45	118.35	1.11	0.96	0.57
10416.00	88.46	115.08	95	8294.9	2376.02	-1077.94	2006.06	2277.33	118.25	1.94	0.16	-1.94
10511.00	88.97	114.87	95	8297.0	2470.99	-1118.05	2092.15	2372.16	118.12	0.58	0.54	-0.22

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10606.00	88.22	112.18	95	8299.3	2565.92	-1155.95	2179.22	2466.82	117.94	2.94	-0.79	-2.83
10700.00	88.66	111.22	94	8301.9	2659.73	-1190.69	2266.53	2560.25	117.71	1.12	0.47	-1.02
10795.00	89.19	112.84	95	8303.7	2754.58	-1226.32	2354.57	2654.78	117.51	1.79	0.56	1.71
10890.00	89.37	112.36	95	8304.9	2849.49	-1262.82	2442.27	2749.44	117.34	0.54	0.19	-0.51
10985.00	87.52	113.54	95	8307.4	2944.39	-1299.85	2529.71	2844.13	117.20	2.31	-1.95	1.24
11080.00	88.61	117.41	95	8310.7	3039.31	-1340.68	2615.41	2939.01	117.14	4.23	1.15	4.07
11174.00	88.30	116.62	94	8313.2	3133.22	-1383.36	2699.12	3032.98	117.14	0.90	-0.33	-0.84
11269.00	88.35	116.39	95	8316.0	3228.15	-1425.74	2784.10	3127.93	117.12	0.25	0.05	-0.24
11364.00	88.49	115.35	95	8318.6	3323.10	-1467.18	2869.54	3222.87	117.08	1.10	0.15	-1.09
11459.00	89.24	117.01	95	8320.5	3418.06	-1509.08	2954.78	3317.84	117.05	1.92	0.79	1.75
11553.00	90.14	120.45	94	8321.0	3511.84	-1554.26	3037.19	3411.78	117.10	3.78	0.96	3.66
11648.00	86.91	120.63	95	8323.4	3606.35	-1602.51	3118.98	3506.57	117.19	3.41	-3.40	0.19
11743.00	88.34	126.40	95	8327.4	3700.18	-1654.89	3198.08	3600.88	117.36	6.25	1.51	6.07
11838.00	86.41	139.11	95	8331.7	3790.37	-1719.18	3267.62	3692.27	117.75	13.52	-2.03	13.38
11932.00	89.55	150.90	94	8335.1	3871.57	-1795.99	3321.38	3775.87	118.40	12.97	3.34	12.54
12027.00	89.46	162.80	95	8335.9	3942.20	-1883.18	3358.66	3850.58	119.28	12.53	-0.09	12.53
12122.00	90.33	173.78	95	8336.1	3998.90	-1976.06	3377.91	3913.45	120.33	11.59	0.92	11.56
12217.00	86.53	185.03	95	8338.7	4039.86	-2070.85	3378.91	3963.01	121.50	12.49	-4.00	11.84
12312.00	89.06	196.81	95	8342.3	4062.91	-2163.89	3360.95	3997.30	122.77	12.67	2.66	12.40
12407.00	90.04	206.80	95	8343.1	4068.19	-2251.98	3325.71	4016.43	124.10	10.57	1.03	10.52
12502.00	90.10	213.65	95	8343.0	4059.55	-2334.01	3277.91	4023.97	125.45	7.21	0.06	7.21
12597.00	92.49	223.64	95	8340.8	4037.17	-2408.10	3218.68	4019.81	126.80	10.81	2.52	10.52
12692.00	90.09	234.09	95	8338.7	3998.80	-2470.48	3147.25	4001.06	128.13	11.28	-2.53	11.00
12705.57	89.86	236.03	14	8338.7	3992.00	-2478.25	3136.13	3997.13	128.32	14.40	-1.69	14.30
12787.00	89.25	242.68	81	8339.3	3946.08	-2519.73	3066.11	3968.64	129.41	8.20	-0.75	8.17
12881.00	90.24	248.09	94	8339.7	3885.20	-2558.87	2980.69	3928.40	130.65	5.85	1.05	5.76
12976.00	91.66	254.19	95	8338.1	3816.74	-2589.56	2890.85	3881.09	131.85	6.59	1.49	6.42
13071.00	91.36	260.85	95	8335.6	3741.42	-2610.07	2798.18	3826.52	133.01	7.02	-0.32	7.01
13166.00	90.67	271.56	95	8334.0	3658.31	-2616.35	2703.54	3762.23	134.06	11.30	-0.73	11.27
13261.00	91.46	282.06	95	8332.2	3568.20	-2605.10	2609.36	3687.18	134.95	11.08	0.83	11.05
13356.00	91.83	291.96	95	8329.5	3474.27	-2577.36	2518.66	3603.67	135.66	10.42	0.39	10.42
13451.00	90.74	290.31	95	8327.3	3379.52	-2543.11	2430.08	3517.49	136.30	2.08	-1.15	-1.74
13546.00	90.88	289.48	95	8326.0	3284.91	-2510.79	2340.76	3432.67	137.01	0.89	0.15	-0.87
13640.00	90.96	290.49	94	8324.5	3191.28	-2478.67	2252.43	3349.22	137.74	1.08	0.09	1.07
13735.00	90.77	292.06	95	8323.0	3096.49	-2444.20	2163.92	3264.46	138.48	1.66	-0.20	1.65
13830.00	90.62	291.34	95	8321.9	3001.66	-2409.08	2075.66	3179.94	139.25	0.77	-0.16	-0.76
13925.00	91.75	293.82	95	8319.9	2906.77	-2372.61	1987.97	3095.37	140.04	2.87	1.19	2.61
14020.00	92.20	294.47	95	8316.6	2811.84	-2333.78	1901.33	3010.25	140.83	0.83	0.47	0.68
14115.00	91.91	293.52	95	8313.2	2716.92	-2295.17	1814.60	2925.85	141.67	1.04	-0.31	-1.00
14210.00	91.10	292.72	95	8310.7	2622.00	-2257.88	1727.26	2842.79	142.58	1.20	-0.85	-0.84
14305.00	92.51	297.01	95	8307.7	2527.08	-2217.97	1641.13	2759.11	143.50	4.75	1.48	4.52
14400.00	92.18	296.30	95	8303.9	2432.20	-2175.38	1556.30	2674.76	144.42	0.82	-0.35	-0.75
14494.00	91.12	293.79	94	8301.2	2338.24	-2135.61	1471.18	2593.30	145.44	2.90	-1.13	-2.67
14589.00	91.70	297.62	95	8298.8	2243.30	-2094.43	1385.62	2511.29	146.51	4.08	0.61	4.03
14684.00	91.52	297.78	95	8296.1	2148.44	-2050.29	1301.54	2428.52	147.59	0.25	-0.19	0.17
14779.00	91.66	296.92	95	8293.5	2053.56	-2006.66	1217.20	2346.96	148.76	0.92	0.15	-0.91
14874.00	91.80	297.26	95	8290.6	1958.66	-1963.42	1132.66	2266.70	150.02	0.39	0.15	0.36
14968.00	91.15	296.66	94	8288.2	1864.75	-1920.81	1048.90	2188.54	151.36	0.94	-0.69	-0.64
15060.00	91.31	296.84	92	8286.2	1772.82	-1879.41	966.77	2113.49	152.78	0.26	0.17	0.20
15158.00	91.36	296.84	98	8284.0	1674.89	-1835.18	879.35	2034.98	154.40	0.05	0.05	0.00
15348.00	90.64	295.75	190	8280.6	1484.97	-1751.02	709.04	1889.13	157.96	0.69	-0.38	-0.57
15443.00	91.78	296.40	95	8278.6	1390.01	-1709.28	623.73	1819.52	159.95	1.38	1.20	0.68
15538.00	90.67	294.75	95	8276.6	1295.05	-1668.28	538.06	1752.90	162.12	2.09	-1.17	-1.74
15632.00	91.53	295.68	94	8274.8	1201.07	-1628.24	453.03	1690.09	164.45	1.35	0.91	0.99
15727.00	91.41	295.66	95	8272.4	1106.10	-1587.10	367.44	1629.08	166.96	0.13	-0.13	-0.02
15822.00	91.96	297.27	95	8269.6	1011.18	-1544.79	282.43	1570.39	169.64	1.79	0.58	1.69
15917.00	92.75	299.56	95	8265.7	916.43	-1499.62	198.96	1512.76	172.44	2.55	0.83	2.41
16012.00	92.11	296.15	95	8261.6	821.65	-1455.28	115.05	1459.82	175.48	3.65	-0.67	-3.59

Minimum Radius of Curvature

API: 42-479-44608 **Well: Gates 010-CHK-A TR3 O 1H** **Wellhead Location N+/S- : 28.042409**
Operator: Chesapeake Energy **Area: Eagleford** **E+/W- : -99.856962**
Rig: Nabors 887 **Type: U-Lateral** **Magnetic Declination: 4.43**
TD: 16,438' **Plane of Proposal: 115.00**

Measured Depth Ft	Drift Angle Deg	Azimuth Direction Deg	Course Length Ft	TVD Ft	Vertical Section Ft	COORDINATES		CLOSURE		Dog Leg Severity Deg/100'	Build / Drop Deg/100'	Left / Right Deg/100'
						N-S Ft	E-W Ft	Distance FT	Direction Deg			
16107.00	93.42	296.33	95	8257.1	726.79	-1413.33	29.94	1413.65	178.79	1.39	1.38	0.19
16202.00	91.47	293.24	95	8253.0	631.89	-1373.55	-56.22	1374.70	182.34	3.84	-2.05	-3.25
16297.00	92.75	294.86	95	8249.5	536.97	-1334.86	-142.91	1342.49	186.11	2.17	1.35	1.71
16386.00	92.63	294.88	89	8245.3	448.07	-1297.47	-223.56	1316.59	189.78	0.14	-0.13	0.02
16425.00	92.65	294.92	39	8243.5	409.11	-1281.07	-258.90	1306.97	191.43	0.11	0.05	0.10
16438.00	92.66	294.93	13	8242.9	396.13	-1275.60	-270.68	1304.00	191.98	0.11	0.08	0.08