

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
0.00	0.00	324.10	0.00	0.00 N	0.00 E	0.00	0.00
108.00	1.00	145.00	107.99	0.77 S	0.54 E	0.93	-0.94
265.00	0.25	280.00	264.99	1.83 S	0.99 E	0.76	-2.07
347.00	0.70	194.80	346.99	2.29 S	0.68 E	0.88	-2.25
377.00	0.40	223.60	376.98	2.54 S	0.57 E	1.33	-2.39
407.00	0.90	293.20	406.98	2.52 S	0.28 E	2.83	-2.20
437.00	2.30	320.80	436.97	1.96 S	0.32 W	5.20	-1.40
467.00	3.80	326.20	466.93	0.67 S	1.25 W	5.09	0.20
497.00	5.80	330.50	496.82	1.47 N	2.55 W	6.77	2.70
527.00	6.90	327.00	526.64	4.30 N	4.28 W	3.89	6.00
556.00	7.30	328.00	555.41	7.33 N	6.21 W	1.44	9.58
587.00	7.40	327.10	586.16	10.67 N	8.33 W	0.49	13.54
616.00	7.30	323.70	614.92	13.73 N	10.44 W	1.54	17.24
646.00	7.50	321.60	644.67	16.80 N	12.78 W	1.12	21.10
676.00	8.80	322.10	674.37	20.14 N	15.41 W	4.34	25.35
706.00	10.40	321.90	703.95	24.08 N	18.49 W	5.33	30.35
736.00	11.10	320.90	733.42	28.46 N	21.98 W	2.41	35.94
766.00	12.20	322.20	762.80	33.20 N	25.75 W	3.77	42.00
796.00	12.80	321.20	792.09	38.30 N	29.77 W	2.13	48.49
826.00	13.00	322.00	821.33	43.55 N	33.93 W	0.89	55.18
856.00	13.10	321.50	850.56	48.87 N	38.13 W	0.50	61.95
884.00	14.20	321.80	877.77	54.05 N	42.22 W	3.94	68.55
914.00	14.50	321.50	906.83	59.88 N	46.84 W	1.03	75.98
944.00	15.70	324.00	935.79	66.10 N	51.56 W	4.55	83.79
974.00	16.20	326.80	964.64	72.89 N	56.24 W	3.06	92.03
1005.00	16.40	326.50	994.39	80.16 N	61.02 W	0.70	100.72
1036.00	17.40	327.00	1024.05	87.69 N	65.96 W	3.26	109.72
1065.00	19.30	328.00	1051.58	95.39 N	70.86 W	6.64	118.83
1096.00	21.20	329.00	1080.66	104.54 N	76.47 W	6.23	129.52
1127.00	23.00	328.90	1109.38	114.54 N	82.48 W	5.81	141.14
1159.00	24.60	326.70	1138.66	125.46 N	89.37 W	5.72	154.02
1190.00	25.10	325.30	1166.79	136.26 N	96.65 W	2.49	167.04
1220.00	25.70	326.30	1193.89	146.90 N	103.89 W	2.46	179.90
1252.00	27.10	325.80	1222.55	158.70 N	111.83 W	4.43	194.12
1314.00	30.10	326.80	1276.98	183.39 N	128.29 W	4.90	223.77
1375.00	31.50	325.70	1329.38	209.36 N	145.64 W	2.47	254.97
1438.00	32.30	325.00	1382.86	236.75 N	164.57 W	1.40	288.25
1499.00	32.30	325.30	1434.42	263.49 N	183.20 W	0.26	320.84
1562.00	32.20	324.90	1487.70	291.07 N	202.43 W	0.37	354.45
1624.00	32.40	325.60	1540.11	318.29 N	221.32 W	0.68	387.57
1686.00	32.20	325.00	1592.52	345.52 N	240.18 W	0.61	420.69
1749.00	32.10	322.90	1645.86	372.63 N	259.90 W	1.78	454.21
1812.00	31.60	321.80	1699.37	398.95 N	280.21 W	1.22	487.44
1873.00	32.30	322.60	1751.13	424.46 N	299.99 W	1.34	519.71
1935.00	32.50	322.70	1803.48	450.86 N	320.14 W	0.33	552.92
1998.00	32.40	323.10	1856.64	477.83 N	340.54 W	0.38	586.72
2060.00	32.10	322.90	1909.08	504.25 N	360.45 W	0.51	619.80
2122.00	32.00	322.90	1961.63	530.49 N	380.29 W	0.16	652.69
2184.00	31.90	323.20	2014.24	556.71 N	400.01 W	0.30	685.50
2246.00	31.90	323.30	2066.87	582.96 N	419.62 W	0.09	718.26

30-045-32168
17-31N-04W
Surf: 1805/N 1170/E
BHL 762/N 1967/E

MD 6440
TVL 6139



All data is in feet unless otherwise stated.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 1320.66 on azimuth 322.84 degrees from wellhead.
Vertical section is from wellhead on azimuth 323.89 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

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Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
2308.00	31.70	323.80	2119.57	609.24 N	439.03 W	0.53	750.93
2370.00	31.30	323.50	2172.43	635.33 N	458.23 W	0.69	783.33
2433.00	31.10	323.20	2226.32	661.51 N	477.71 W	0.40	815.96
2496.00	31.00	324.90	2280.29	687.82 N	496.78 W	1.40	848.45
2559.00	30.40	324.50	2334.46	714.07 N	515.37 W	1.01	880.61
2622.00	30.60	324.30	2388.75	740.07 N	533.98 W	0.36	912.59
2684.00	30.80	324.90	2442.06	765.87 N	552.32 W	0.59	944.24
2746.00	29.70	324.60	2495.61	791.38 N	570.34 W	1.79	975.47
2777.00	28.50	327.00	2522.70	803.84 N	578.82 W	5.40	990.53
2839.00	26.50	325.20	2577.69	827.61 N	594.77 W	3.49	1019.13
2871.00	26.20	324.60	2606.37	839.23 N	602.94 W	1.25	1033.34
2934.00	25.10	323.30	2663.16	861.28 N	618.98 W	1.96	1060.60
2998.00	23.00	322.00	2721.60	882.02 N	634.80 W	3.38	1086.68
3029.00	22.40	323.40	2750.20	891.53 N	642.05 W	2.60	1098.64
3156.00	18.50	325.30	2869.17	927.54 N	667.95 W	3.11	1142.99
3218.00	18.00	327.30	2928.06	943.68 N	678.73 W	1.29	1162.39
3268.00	17.50	327.30	2975.68	956.51 N	686.96 W	1.00	1177.61
3281.00	15.80	325.00	2988.13	959.61 N	689.03 W	14.02	1181.33
3343.00	15.00	323.90	3047.90	973.00 N	698.60 W	1.37	1197.79
3405.00	14.70	326.20	3107.83	986.02 N	707.71 W	1.07	1213.67
3466.00	13.90	326.70	3166.94	998.58 N	716.04 W	1.33	1228.73
3529.00	13.60	326.00	3228.14	1011.05 N	724.33 W	0.54	1243.69
3592.00	12.90	328.00	3289.46	1023.15 N	732.20 W	1.33	1258.10
3655.00	12.40	326.90	3350.93	1034.78 N	739.62 W	0.88	1271.87
3686.00	12.40	328.20	3381.21	1040.40 N	743.19 W	0.90	1278.51
3717.00	12.60	326.80	3411.47	1046.06 N	746.80 W	1.17	1285.21
3748.00	11.60	326.60	3441.78	1051.49 N	750.37 W	3.23	1291.70
3780.00	10.50	326.00	3473.19	1056.59 N	753.77 W	3.46	1297.83
3811.00	9.40	321.60	3503.72	1060.92 N	756.92 W	4.31	1303.18
3843.00	8.20	321.50	3535.35	1064.75 N	759.96 W	3.75	1308.07
3874.00	7.10	322.00	3566.07	1067.99 N	762.52 W	3.55	1312.20
3905.00	6.30	311.00	3596.86	1070.62 N	764.98 W	4.87	1315.77
3936.00	5.20	311.90	3627.70	1072.67 N	767.31 W	3.56	1318.80
3967.00	4.00	312.90	3658.60	1074.34 N	769.15 W	3.88	1321.24
4017.00	3.50	312.90	3708.50	1076.57 N	771.55 W	1.00	1324.45
4055.00	3.50	318.90	3746.42	1078.23 N	773.16 W	0.96	1326.74
4550.00	1.50	200.00	4241.12	1083.53 N	785.31 W	0.89	1338.19 SS
5580.00	0.75	205.00	5270.92	1064.76 N	792.77 W	0.07	1327.41 SS
6400.00	1.00	200.00	6090.82	1053.17 N	797.49 W	0.03	1320.83 SS
6440.00	1.00	200.00	6130.82	1052.51 N	797.73 W	0.00	1320.44 PROJECTION

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