

Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')	Remarks
						N/S (ft)	E/W (ft)				
149	0.40	342.40	149	149.00	0.48	0.50	N 0.16	W 0.27	0.3	229.8	
239	1.80	2.80	90	238.98	1.79	2.21	N 0.18	W 1.59	1.6	-377.3	
329	2.50	5.40	90	328.92	4.16	5.57	N 0.07	E 0.79	0.8	2.9	
420	4.20	355.40	91	419.76	8.21	10.87	N 0.01	W 1.97	1.9	384.6	
509	5.10	348.70	89	508.46	14.27	18.00	N 1.05	W 1.18	1.0	-7.5	
599	6.60	341.00	90	598.00	22.54	26.81	N 3.51	W 1.88	1.7	-8.6	
649	7.70	338.20	50	647.61	28.37	32.64	N 5.69	W 2.31	2.2	-5.6	SURFACE TD @ 699' MD
720	9.80	331.30	71	717.78	38.77	42.36	N 10.36	W 3.30	3.0	-9.7	
815	12.10	329.40	95	811.04	56.46	58.02	N 19.31	W 2.45	2.4	-2.0	
909	14.00	328.70	94	902.61	77.36	76.22	N 30.24	W 2.03	2.0	-0.7	
1004	16.40	326.20	95	994.28	102.00	97.19	N 43.67	W 2.62	2.5	-2.6	
1098	19.70	326.60	94	1083.64	130.88	121.45	N 59.78	W 3.51	3.5	0.4	
1193	20.80	326.70	95	1172.77	163.46	148.91	N 77.85	W 1.16	1.2	0.1	
1288	20.90	324.10	95	1261.55	197.06	176.74	N 97.05	W 0.98	0.1	-2.7	
1383	21.70	322.30	95	1350.06	231.47	204.36	N 117.73	W 1.09	0.8	-1.9	
1477	22.90	320.90	94	1437.03	267.10	232.31	N 139.89	W 1.40	1.3	-1.5	
1571	22.80	317.70	94	1523.66	303.59	259.97	N 163.68	W 1.33	-0.1	-3.4	
1666	23.40	317.60	95	1611.04	340.85	287.52	N 188.79	W 0.63	0.6	-0.1	
1760	23.50	317.10	94	1697.28	378.24	315.03	N 214.14	W 0.24	0.1	-0.5	
1855	23.40	315.70	95	1784.43	416.00	342.40	N 240.21	W 0.60	-0.1	-1.5	
1950	24.10	315.30	95	1871.38	454.19	369.69	N 267.02	W 0.76	0.7	-0.4	
2044	24.10	316.00	94	1957.19	492.51	397.14	N 293.85	W 0.30	0.0	0.7	
2139	23.90	316.20	95	2043.98	531.10	424.98	N 320.65	W 0.23	-0.2	0.2	
2233	22.60	315.50	94	2130.34	568.15	451.61	N 346.49	W 1.41	-1.4	-0.7	
2328	22.20	318.10	95	2218.18	604.32	477.99	N 371.27	W 1.12	-0.4	2.7	
2423	23.00	320.00	95	2305.88	640.82	505.56	N 395.19	W 1.14	0.8	2.0	
2518	25.90	318.30	95	2392.35	680.13	535.28	N 420.92	W 3.14	3.1	-1.8	
2613	27.30	319.50	95	2477.30	722.67	567.34	N 448.88	W 1.58	1.5	1.3	
2708	25.30	316.50	95	2562.46	764.74	598.63	N 477.00	W 2.53	-2.1	-3.2	
2804	25.10	317.60	96	2649.33	805.59	628.55	N 504.85	W 0.53	-0.2	1.1	
2899	25.20	317.40	95	2735.32	845.95	658.32	N 532.13	W 0.14	0.1	-0.2	
2994	25.00	316.20	95	2821.35	886.21	687.69	N 559.71	W 0.58	-0.2	-1.3	
3089	24.30	315.80	95	2907.69	925.78	716.20	N 587.24	W 0.76	-0.7	-0.4	
3184	22.20	314.20	95	2994.97	963.19	742.73	N 613.73	W 2.31	-2.2	-1.7	
3279	20.70	315.00	95	3083.39	997.82	767.11	N 638.47	W 1.61	-1.6	0.8	
3374	18.80	315.50	95	3172.80	1029.85	789.90	N 661.08	W 2.01	-2.0	0.5	
3468	17.90	320.20	94	3262.02	1059.42	811.81	N 680.94	W 1.84	-1.0	5.0	
3564	18.50	321.10	96	3353.22	1089.39	835.00	N 699.95	W 0.69	0.6	0.9	
3658	18.90	317.60	94	3442.26	1119.51	857.84	N 719.58	W 1.27	0.4	-3.7	
3751	21.10	316.20	93	3529.65	1151.29	881.05	N 741.33	W 2.42	2.4	-1.5	
3846	21.70	316.90	95	3618.10	1185.92	906.22	N 765.16	W 0.69	0.6	0.7	
3941	23.70	316.50	95	3705.73	1222.55	932.89	N 790.31	W 2.11	2.1	-0.4	
4036	24.00	316.50	95	3792.62	1260.93	960.76	N 816.75	W 0.32	0.3	0.0	
4131	21.90	316.70	95	3880.10	1297.94	987.67	N 842.20	W 2.21	-2.2	0.2	
4226	21.00	316.20	95	3968.52	1332.64	1012.85	N 866.14	W 0.97	-0.9	-0.5	
4320	22.10	316.90	94	4055.94	1367.14	1037.92	N 889.88	W 1.20	1.2	0.7	
4415	21.60	317.40	95	4144.12	1402.48	1063.84	N 913.92	W 0.56	-0.5	0.5	
4510	20.60	319.20	95	4232.75	1436.67	1089.36	N 936.68	W 1.25	-1.1	1.9	
4605	23.00	317.20	95	4320.95	1471.94	1115.63	N 960.21	W 2.64	2.5	-2.1	
4700	21.70	318.30	95	4408.81	1508.05	1142.37	N 984.51	W 1.44	-1.4	1.2	
4795	20.00	320.80	95	4497.59	1541.85	1168.07	N 1006.46	W 2.02	-1.8	2.6	
4889	22.20	319.20	94	4585.28	1575.68	1193.98	N 1028.23	W 2.42	2.3	-1.7	
4984	22.60	319.70	95	4673.11	1611.88	1221.48	N 1051.76	W 0.47	0.4	0.5	
5079	20.10	320.00	95	4761.59	1646.46	1247.92	N 1074.07	W 2.63	-2.6	0.3	
5173	18.10	316.90	94	4850.41	1677.21	1270.95	N 1094.43	W 2.38	-2.1	-3.3	
5268	20.70	316.90	95	4940.01	1708.74	1293.99	N 1115.99	W 2.74	2.7	0.0	
5362	18.30	315.50	94	5028.61	1740.08	1316.65	N 1137.68	W 2.60	-2.6	-1.5	
5456	16.20	311.60	94	5118.38	1767.82	1335.89	N 1157.84	W 2.55	-2.2	-4.1	
5551	15.80	313.90	95	5209.70	1793.84	1353.65	N 1177.07	W 0.79	-0.4	2.4	
5645	12.50	312.00	94	5300.84	1816.69	1369.34	N 1193.85	W 3.54	-3.5	-2.0	
5740	10.50	309.90	95	5393.93	1835.44	1381.77	N 1208.13	W 2.15	-2.1	-2.2	
5835	7.60	313.00	95	5487.73	1850.24	1391.61	N 1219.37	W 3.09	-3.1	3.3	
5930	5.50	309.00	95	5582.11	1860.97	1398.76	N 1227.51	W 2.26	-2.2	-4.2	
6025	4.00	301.80	95	5676.78	1868.62	1403.37	N 1233.86	W 1.70	-1.6	-7.6	
6118	3.50	293.50	93	5769.58	1874.28	1406.21	N 1239.22	W 0.79	-0.5	-8.9	
6213	2.60	302.10	95	5864.45	1878.96	1408.51	N 1243.71	W 1.06	-0.9	9.1	
6306	2.60	304.60	93	5957.35	1883.02	1410.83	N 1247.23	W 0.12	0.0	2.7	
6401	0.90	292.30	95	6052.30	1885.78	1412.34	N 1249.69	W 1.82	-1.8	-12.9	
6496	0.30	262.40	95	6147.30	1886.58	1412.59	N 1250.63	W 0.69	-0.6	-31.5	
6685	0.40	335.50	189	6336.30	1887.49	1413.12	N 1251.39	W 0.22	0.1	38.7	
6874	0.40	300.00	189	6525.29	1888.74	1414.05	N 1252.24	W 0.13	0.0	-18.8	
7064	0.40	243.60	190	6715.29	1889.54	1414.09	N 1253.41	W 0.20	0.0	-29.7	
7254	0.20	129.50	190	6905.29	1889.38	1413.59	N 1253.74	W 0.27	-0.1	-60.1	
7444	0.30	269.20	190	7095.29	1889.37	1413.37	N 1253.99	W 0.25	0.1	73.5	
7665	0.50	343.10	221	7316.28	1890.62	1414.28	N 1254.85	W 0.23	0.1	33.4	TD SURVEY
7715	0.50	343.10	50	7366.28	1891.02	1414.70	N 1254.97	W 0.00	0.0	0.0	BIT PROJECTION

Surveys			
N/S	E/W	VS	TVD
0.50	-0.16	0.48	149.00
2.21	-0.18	1.79	238.98
5.57	0.07	4.16	328.92
10.87	-0.01	8.21	419.76
18.00	-1.05	14.27	508.46
26.81	-3.51	22.54	598.00
32.64	-5.69	28.37	647.61
42.36	-10.36	38.77	717.78
58.02	-19.31	56.46	811.04
76.22	-30.24	77.36	902.61
97.19	-43.67	102.00	994.28
121.45	-59.78	130.88	1083.64
148.91	-77.85	163.46	1172.77
176.74	-97.05	197.06	1261.55
204.36	-117.73	231.47	1350.06
232.31	-139.89	267.10	1437.03
259.97	-163.68	303.59	1523.66
287.52	-188.79	340.85	1611.04
315.03	-214.14	378.24	1697.28
342.40	-240.21	416.00	1784.43
369.69	-267.02	454.19	1871.38
397.14	-293.85	492.51	1957.19
424.98	-320.65	531.10	2043.98
451.61	-346.49	568.15	2130.34
477.99	-371.27	604.32	2218.18
505.56	-395.19	640.82	2305.88
535.28	-420.92	680.13	2392.35
567.34	-448.88	722.67	2477.30
598.63	-477.00	764.74	2562.46
628.55	-504.85	805.59	2649.33
658.32	-532.13	845.95	2735.32
687.69	-559.71	886.21	2821.35
716.20	-587.24	925.78	2907.69
742.73	-613.73	963.19	2994.97
767.11	-638.47	997.82	3083.39
789.90	-661.08	1029.85	3172.80
811.81	-680.94	1059.42	3262.02
835.00	-699.95	1089.39	3353.22
857.84	-719.58	1119.51	3442.26
881.05	-741.33	1151.29	3529.65
906.22	-765.16	1185.92	3618.10
932.89	-790.31	1222.55	3705.73
960.76	-816.75	1260.93	3792.62
987.67	-842.20	1297.94	3880.10
1012.85	-866.14	1332.64	3968.52
1037.92	-889.88	1367.14	4055.94
1063.84	-913.92	1402.48	4144.12
1089.36	-936.68	1436.67	4232.75
1115.63	-960.21	1471.94	4320.95
1142.37	-984.51	1508.05	4408.81
1168.07	-1006.46	1541.85	4497.59
1193.98	-1028.23	1575.68	4585.28
1221.48	-1051.76	1611.88	4673.11
1247.92	-1074.07	1646.46	4761.59
1270.95	-1094.43	1677.21	4850.41
1293.99	-1115.99	1708.74	4940.01
1316.65	-1137.68	1740.08	5028.61
1335.89	-1157.84	1767.82	5118.38
1353.65	-1177.07	1793.84	5209.70
1369.34	-1193.85	1816.69	5300.84
1381.77	-1208.13	1835.44	5393.93
1391.61	-1219.37	1850.24	5487.73
1398.76	-1227.51	1860.97	5582.11
1403.37	-1233.86	1868.62	5676.78
1406.21	-1239.22	1874.28	5769.58
1408.51	-1243.71	1878.96	5864.45
1410.83	-1247.23	1883.02	5957.35
1412.34	-1249.69	1885.78	6052.30
1412.59	-1250.63	1886.58	6147.30
1413.12	-1251.39	1887.49	6336.30
1414.05	-1252.24	1888.74	6525.29
1414.09	-1253.41	1889.54	6715.29
1413.59	-1253.74	1889.38	6905.29
1413.37	-1253.99	1889.37	7095.29
1414.28	-1254.85	1890.62	7316.28
1414.70	-1254.97	1891.02	7366.28
#VALUE!	#VALUE!	#VALUE!	#VALUE!
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