

Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		DLS (°/100')	Bld Rate (°/100')	W/k Rate (°/100')	Remarks	
						N/S (ft)	E/W (ft)					
117	0.40	87.90	117	117.00	-0.26	0.01	N	0.41	E	0.34	0.3	75.1
205	0.40	12.70	88	205.00	-0.27	0.33	N	0.78	E	0.55	0.0	-85.5
297	2.10	319.40	92	296.97	1.60	1.92	N	0.24	W	2.05	1.8	333.4
387	4.20	319.60	90	386.83	6.55	5.68	N	3.45	W	2.33	2.3	0.2
477	6.20	320.10	90	476.46	14.70	11.92	N	8.71	W	2.22	2.2	0.6
566	7.70	319.40	89	564.80	25.47	20.13	N	15.67	W	1.69	1.7	-0.8
656	9.80	319.20	90	653.75	39.16	30.51	N	24.60	W	2.33	2.3	-0.2
748	11.90	319.10	92	744.10	56.47	43.61	N	35.93	W	2.28	2.3	-0.1
797	12.80	318.40	49	791.96	66.95	51.49	N	42.84	W	1.86	1.8	-1.4
913	14.10	318.70	116	904.78	93.93	71.71	N	60.70	W	1.12	1.1	0.3
1008	15.00	319.60	95	996.73	117.80	89.77	N	76.30	W	0.98	0.9	0.9
1102	15.60	318.90	94	1087.40	142.60	108.56	N	92.50	W	0.67	0.6	-0.7
1198	16.30	318.20	96	1179.71	168.98	128.33	N	109.96	W	0.76	0.7	-0.7
1293	15.70	314.80	95	1271.03	195.14	147.32	N	127.97	W	1.17	-0.6	-3.6
1387	15.40	316.20	94	1361.59	220.30	165.29	N	145.63	W	0.51	-0.3	1.5
1482	14.70	317.00	95	1453.33	244.95	183.21	N	162.58	W	0.77	-0.7	0.8
1577	15.10	318.00	95	1545.13	269.37	201.22	N	179.08	W	0.50	0.4	1.1
1673	14.20	318.20	96	1638.01	293.65	219.30	N	195.30	W	0.94	-0.9	0.2
1768	14.20	322.20	95	1730.11	316.93	237.19	N	210.21	W	1.03	0.0	4.2
1863	14.00	321.30	95	1822.25	340.04	255.36	N	224.53	W	0.31	-0.2	-0.9
1959	13.90	320.80	96	1915.42	363.16	273.36	N	239.08	W	0.16	-0.1	-0.5
2054	13.10	321.50	95	2007.79	385.32	290.63	N	253.00	W	0.86	-0.8	0.7
2148	13.60	321.30	94	2099.25	406.99	307.59	N	266.54	W	0.53	0.5	-0.2
2243	13.10	319.20	95	2191.68	428.92	324.46	N	280.56	W	0.73	-0.5	-2.2
2338	13.10	314.80	95	2284.21	450.43	340.20	N	295.23	W	1.05	0.0	-4.6
2433	12.50	313.60	95	2376.85	471.41	354.87	N	310.31	W	0.69	-0.6	-1.3
2528	12.80	312.20	95	2469.55	492.11	369.03	N	325.56	W	0.45	0.3	-1.5
2623	13.20	314.70	95	2562.11	513.39	383.73	N	341.06	W	0.73	0.4	2.6
2718	13.90	316.60	95	2654.47	535.61	399.65	N	356.61	W	0.87	0.7	2.0
2814	14.10	316.80	96	2747.62	558.83	416.55	N	372.54	W	0.21	0.2	0.2
2907	13.20	316.60	93	2837.99	580.76	432.53	N	387.59	W	0.97	-1.0	-0.2
3002	13.00	317.10	95	2930.52	602.28	448.23	N	402.32	W	0.24	-0.2	0.5
3097	13.40	318.70	95	3023.01	623.97	464.33	N	416.86	W	0.57	0.4	1.7
3192	13.50	321.00	95	3115.40	646.06	481.22	N	431.10	W	0.57	0.1	2.4
3288	12.90	322.20	96	3208.87	667.95	498.39	N	444.72	W	0.69	-0.6	1.2
3382	13.30	322.40	94	3300.42	689.21	515.25	N	457.75	W	0.43	0.4	0.2
3478	13.40	320.80	96	3393.82	711.34	532.62	N	471.52	W	0.40	0.1	-1.7
3572	14.00	319.80	94	3485.15	733.60	549.75	N	485.74	W	0.69	0.6	-1.1
3667	14.30	316.20	95	3577.27	756.81	566.99	N	501.28	W	0.98	0.3	-3.8
3762	13.40	317.00	95	3669.51	779.53	583.51	N	516.91	W	0.97	-0.9	0.8
3857	13.60	318.50	95	3761.88	801.71	599.93	N	531.81	W	0.42	0.2	1.6
3953	14.20	320.10	96	3855.07	824.76	617.41	N	546.85	W	0.74	0.6	1.7
4047	13.50	319.10	94	3946.34	847.26	634.55	N	561.43	W	0.79	-0.7	-1.1
4142	12.80	318.40	95	4038.85	868.87	650.80	N	575.67	W	0.76	-0.7	-0.7
4237	12.30	319.10	95	4131.58	889.52	666.32	N	589.28	W	0.55	-0.5	0.7
4332	11.20	318.90	95	4224.58	908.86	680.92	N	601.98	W	1.16	-1.2	-0.2
4426	9.60	318.70	94	4317.04	925.83	693.69	N	613.15	W	1.70	-1.7	-0.2
4521	8.00	321.30	95	4410.92	940.36	704.80	N	622.51	W	1.74	-1.7	2.7
4617	6.80	325.00	96	4506.11	952.68	714.67	N	629.95	W	1.34	-1.3	3.9
4711	4.00	331.00	94	4599.69	961.41	722.10	N	634.73	W	3.03	-3.0	6.4
4806	2.20	324.70	95	4694.55	966.46	726.49	N	637.39	W	1.93	-1.9	-6.6
4902	2.10	315.50	96	4790.48	970.05	729.25	N	639.69	W	0.37	-0.1	-9.6
4996	0.50	344.20	94	4884.45	972.14	730.87	N	641.01	W	1.79	-1.7	30.5
5091	0.40	5.30	95	4979.45	972.74	731.60	N	641.09	W	0.20	-0.1	-356.7
5186	0.50	353.30	95	5074.45	973.31	732.34	N	641.11	W	0.14	0.1	366.3
5281	0.80	354.60	95	5169.44	974.19	733.41	N	641.22	W	0.32	0.3	1.4
5377	0.80	348.20	96	5265.43	975.31	734.73	N	641.42	W	0.09	0.0	-6.7
5472	0.90	345.30	95	5360.42	976.56	736.11	N	641.74	W	0.11	0.1	-3.1
5566	1.10	338.90	94	5454.41	978.06	737.66	N	642.26	W	0.24	0.2	-6.8
5661	1.00	337.70	95	5549.39	979.70	739.28	N	642.90	W	0.11	-0.1	-1.3
5755	1.10	358.40	94	5643.37	981.17	740.94	N	643.24	W	0.41	0.1	22.0
5850	1.20	353.00	95	5738.35	982.69	742.84	N	643.38	W	0.16	0.1	-5.7
5945	0.70	357.20	95	5833.34	983.96	744.41	N	643.53	W	0.53	-0.5	4.4
6040	0.40	355.60	95	5928.34	984.68	745.32	N	643.59	W	0.32	-0.3	-1.7
6135	0.60	328.90	95	6023.33	985.44	746.07	N	643.87	W	0.32	0.2	-28.1
6230	0.60	328.90	95	6118.33	986.42	746.92	N	644.38	W	0.00	0.0	0.0
6325	0.60	326.40	95	6213.32	987.40	747.76	N	644.91	W	0.03	0.0	-2.6
6420	0.60	333.10	95	6308.32	988.37	748.62	N	645.42	W	0.07	0.0	7.1
6515	0.40	343.00	95	6403.31	989.16	749.38	N	645.74	W	0.23	-0.2	10.4
6609	0.30	326.30	94	6497.31	989.70	749.90	N	645.97	W	0.15	-0.1	-17.8
6704	0.50	313.80	95	6592.31	990.36	750.40	N	646.41	W	0.23	0.2	-13.2
6800	0.60	296.60	96	6688.31	991.24	750.91	N	647.16	W	0.20	0.1	-17.9
6895	0.40	279.00	95	6783.30	991.96	751.19	N	647.93	W	0.26	-0.2	-18.5
6990	0.60	291.30	95	6878.30	992.66	751.42	N	648.72	W	0.24	0.2	12.9
7084	0.60	287.20	94	6972.29	993.51	751.74	N	649.65	W	0.05	0.0	-4.4
7179	0.90	279.20	95	7067.28	994.51	752.01	N	650.86	W	0.33	0.3	-8.4
7274	1.10	281.40	95	7162.27	995.82	752.31	N	652.49	W	0.21	0.2	2.3
7368	1.10	280.90	94	7256.25	997.25	752.66	N	654.26	W	0.01	0.0	-0.5
7463	0.80	294.80	95	7351.24	998.58	753.11	N	655.76	W	0.40	-0.3	14.6
7559	0.80	296.70	96	7447.23	999.81	753.69	N	656.97	W	0.03	0.0	2.0
7654	0.50	295.00	95	7542.22	1000.81	754.16	N	657.94	W	0.32	-0.3	-1.8
7748	0.70	293.00	94	7636.22	1001.70	754.56	N	658.84	W	0.21	0.2	-2.1
7798	0.70	293.00	50	7686.22	1002.25	754.80	N	659.40	W	0.00	0.0	0.0
												TD SURVEY
												BIT PROJECTION

Surveys			
N/S	E/W	VS	TVD
0.01	0.41	-0.26	117.00
0.33	0.78	-0.27	205.00
1.92	-0.24	1.60	296.97
5.68	-3.45	6.55	386.83
11.92	-8.71	14.70	476.46
20.13	-15.67	25.47	564.80
30.51	-24.60	39.16	653.75
43.61	-35.93	56.47	744.10
51.49	-42.84	66.95	791.96
71.71	-60.70	93.93	904.78
89.77	-76.30	117.80	996.73
108.56	-92.50	142.60	1087.40
128.33	-109.96	168.98	1179.71
147.32	-127.97	195.14	1271.03
165.29	-145.63	220.30	1361.59
183.21	-162.58	244.95	1453.33
201.22	-179.08	269.37	1545.13
219.30	-195.30	293.65	1638.01
237.19	-210.21	316.93	1730.11
255.36	-224.53	340.04	1822.25
273.36	-239.08	363.16	1915.42
290.63	-253.00	385.32	2007.79
307.59	-266.54	406.99	2099.25
324.46	-280.56	428.92	2191.68
340.20	-295.23	450.43	2284.21
354.87	-310.31	471.41	2376.85
369.03	-325.56	492.11	2469.55
383.73	-341.06	513.39	2562.11
398.65	-356.61	535.61	2654.47
416.55	-372.54	558.83	2747.62
432.53	-387.59	580.76	2837.99
448.23	-402.32	602.28	2930.52
464.33	-416.86	623.97	3023.01
481.22	-431.10	646.06	3115.40
498.39	-444.72	667.95	3208.87
515.25	-457.75	689.21	3300.42
532.62	-471.52	711.34	3393.82
549.75	-485.74	733.60	3485.15
566.99	-501.28	756.81	3577.27
583.51	-516.91	779.53	3669.51
599.93	-531.81	801.71	3761.88
617.41	-546.85	824.76	3855.07
634.55	-561.43	847.26	3946.34
650.80	-575.67	868.87	4038.85
666.32	-589.28	889.52	4131.58
680.92	-601.98	908.86	4224.58
693.69	-613.15	925.83	4317.04
704.80	-622.51	940.36	4410.92
714.67	-629.95	952.68	4506.11
722.10	-634.73	961.41	4599.69
726.49	-637.39	966.46	4694.55
729.25	-639.69	970.05	4790.48
730.87	-641.01	972.14	4884.45
731.60	-641.09	972.74	4979.45
732.34	-641.11	973.31	5074.45
733.41	-641.22	974.19	5169.44
734.73	-641.42	975.31	5265.43
736.11	-641.74	976.56	5360.42
737.66	-642.26	978.06	5454.41
739.28	-642.90	979.70	5549.39
740.94	-643.24	981.17	5643.37
742.84	-643.38	982.69	5738.35
744.41	-643.53	983.96	5833.34
745.32	-643.59	984.68	5928.34
746.07	-643.87	985.44	6023.33
746.92	-644.38	986.42	6118.33
747.76	-644.91	987.40	6213.32
748.62	-645.42	988.37	6308.32
749.38	-645.74	989.16	6403.31
749.90	-645.97	989.70	6497.31
750.40	-646.41	990.36	6592.31
750.91	-647.16	991.24	6688.31
751.19	-647.93	991.96	6783.30
751.42	-648.72	992.66	6878.30
751.74	-649.65	993.61	6972.29
752.01	-650.86	994.51	7067.28
752.31	-652.49	995.82	7162.27
752.66	-654.26	997.25	7256.25
753.11	-655.76	998.58	7351.24
753.69	-656.97	999.81	7447.23
754.16	-657.94	1000.81	7542.22
754.56	-658.44	1001.70	7636.22
754.80	-659.40	1002.25	7686.22