

WELL PATH DATA + = interpolated/extrapolated station

05/03/2019

MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure	Dis	Closure Dir	DLS	Build Rate	Turn Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	[US ft]	[US ft]			(ft)	(°)	(°/100ft)	(°/100ft)	(°/100ft)	(°/100ft)
0	0	113.8	0	0	0	0	1632337	494597.8	39°51'06.3	80°41'50.6	0	0	0	0	0	0
32	0	113.8	32	0	0	0	1632337	494597.8	39°51'06.3	80°41'50.6	0	0	0	0	0	0
65.33	0.55	113.8	65.33	0.14	-0.06	0.15	1632337	494597.8	39°51'06.3	80°41'50.6	0.16	113.8	1.65	1.65	341.43	0
90.33	0.6	127.26	90.33	0.38	-0.19	0.36	1632337	494597.6	39°51'06.3	80°41'50.6	0.41	118.078	0.57	0.2	53.84	0
115.33	0.54	158.25	115.33	0.62	-0.38	0.51	1632337	494597.4	39°51'06.3	80°41'50.6	0.64	126.853	1.24	-0.24	123.99	0
140.33	0.54	192.81	140.33	0.8	-0.61	0.53	1632337	494597.2	39°51'06.3	80°41'50.6	0.8	139.021	1.28	0	138.22	0
165.33	0.5	213.04	165.33	0.91	-0.81	0.44	1632337	494597.39	51°06.3	80°41'50.6	0.92	151.528	0.75	-0.16	80.92	0
190.33	0.25	203.9	190.32	0.97	-0.95	0.36	1632337	494596.9	39°51'06.3	80°41'50.6	1.02	159.379	1.03	-1	-36.56	0
215.33	0.12	120.45	215.32	1.01	-1.02	0.36	1632337	494596.8	39°51'06.3	80°41'50.6	1.08	160.538	1.06	-0.52	-333.8	0
240.33	0.2	162.11	240.32	1.08	-1.07	0.39	1632337	494596.8	39°51'06.3	80°41'50.6	1.14	159.752	0.54	0.32	166.64	0
265.33	0.4	173.3	265.32	1.19	-1.2	0.42	1632337	494596.6	39°51'06.3	80°41'50.6	1.27	160.755	0.83	0.8	44.76	0
290.33	0.22	173.96	290.32	1.31	-1.33	0.43	1632337	494596.5	39°51'06.3	80°41'50.6	1.4	161.978	0.72	-0.72	2.64	0
315.33	0.19	140.95	315.32	1.39	-1.41	0.46	1632337	494596.4	39°51'06.3	80°41'50.6	1.49	161.789	0.48	-0.12	-132.04	0
340.33	0.41	120.28	340.32	1.51	-1.49	0.57	1632337	494596.3	39°51'06.3	80°41'50.6	1.6	159.129	0.97	0.88	-82.66	0
365.33	0.51	141.98	365.32	1.71	-1.62	0.71	1632338	494596.2	39°51'06.3	80°41'50.6	1.77	156.255	0.8	0.4	86.8	0
390.33	0.47	168.47	390.32	1.91	-1.81	0.8	1632338	494596.39	51°06.3	80°41'50.6	1.98	156.089	0.91	-0.16	105.96	0
415.33	0.38	167.7	415.32	2.08	-1.99	0.84	1632338	494595.8	39°51'06.3	80°41'50.6	2.16	157.113	0.36	-0.36	-3.06	0
440.33	0.21	148.65	440.32	2.2	-2.11	0.88	1632338	494595.7	39°51'06.3	80°41'50.6	2.29	157.326	0.78	-0.68	-76.2	0
465.33	0.26	140.53	465.32	2.3	-2.2	0.94	1632338	494595.6	39°51'06.3	80°41'50.6	2.39	156.767	0.24	0.2	-32.48	0
490.33	0.15	140.55	490.32	2.39	-2.26	1	1632338	494595.6	39°51'06.3	80°41'50.6	2.48	156.189	0.44	-0.44	0.08	0
511.33	0.17	95.71	511.32	2.44	-2.29	1.05	1632338	494595.5	39°51'06.3	80°41'50.6	2.52	155.403	0.59	0.1	-213.52	0
605.33	0	351.32	605.32	2.54	-2.3	1.19	1632338	494595.5	39°51'06.3	80°41'50.6	2.59	152.74	0.18	-0.18	-101.82	0
636.33	0.07	355.14	636.32	2.52	-2.28	1.19	1632338	494595.5	39°51'06.3	80°41'50.6	2.57	152.579	0.23	0.23	-15.68	0
667.33	0.03	320.73	667.32	2.5	-2.26	1.18	1632338	494595.6	39°51'06.3	80°41'50.6	2.55	152.453	0.16	-0.13	-111	0
698.33	0.12	295.79	698.32	2.46	-2.24	1.14	1632338	494595.6	39°51'06.3	80°41'50.6	2.51	152.932	0.3	0.29	-80.45	0
729.33	0.11	327.19	729.32	2.4	-2.2	1.1	1632338	494595.6	39°51'06.3	80°41'50.6	2.46	153.459	0.2	-0.03	101.29	0
761.33	0.14	296.82	761.32	2.33	-2.16	1.05	1632338	494595.7	39°51'06.3	80°41'50.6	2.4	154.096	0.22	0.09	-94.91	0
792.33	0.24	314.07	792.32	2.23	-2.09	0.97	1632338	494595.7	39°51'06.3	80°41'50.6	2.31	155.219	0.37	0.32	55.65	0
823.33	0.27	285.8	823.32	2.11	-2.03	0.85	1632338	494595.8	39°51'06.3	80°41'50.6	2.2	157.274	0.41	0.1	-91.19	0
885.33	0.34	261.46	885.32	1.9	-2.02	0.53	1632337	494595.8	39°51'06.3	80°41'50.6	2.08	165.346	0.23	0.11	-39.26	0
948.33	0.6	309.84	948.32	1.48	-1.83	0.09	1632337	494596.39	51°06.3	80°41'50.6	1.84	177.215	0.72	0.41	76.79	0
1010.33	0.77	317.14	1010.31	0.74	-1.32	-0.44	1632336	494596.5	39°51'06.3	80°41'50.6	1.39	198.577	0.31	0.27	11.77	0
1072.33	0.95	323.43	1072.3	-0.19	-0.6	-1.03	1632336	494597.2	39°51'06.3	80°41'50.6	1.2	239.797	0.33	0.29	10.15	0
1135.33	1.38	342.51	1135.29	-1.41	0.54	-1.57	1632335	494598.4	39°51'06.3	80°41'50.6	1.66	289.009	0.91	0.68	30.29	0
1197.33	1.25	320.74	1197.28	-2.78	1.78	-2.22	1632335	494599.6	39°51'06.3	80°41'50.6	2.85	308.623	0.83	-0.21	-35.11	0
1259.33	0.97	291.1	1259.26	-3.92	2.49	-3.14	1632334	494600.4	39°51'06.3	80°41'50.6	4.01	308.394	1.01	-0.45	-47.81	0
1322.33	0.98	238.99	1322.26	-4.45	2.4	-4.1	1632333	494600.3	39°51'06.3	80°41'50.6	4.75	300.379	1.36	0.02	-82.71	0
1384.33	1.12	210.17	1384.25	-4.32	1.61	-4.86	1632332	494599.5	39°51'06.3	80°41'50.6	5.12	288.298	0.87	0.23	-46.48	0
1446.33	0.87	196.05	1446.24	-3.83	0.63	-5.3	1632332	494598.5	39°51'06.3	80°41'50.6	5.33	276.797	0.56	-0.4	-22.77	0
1509.33	0.95	193.29	1509.23	-3.24	-0.34	-5.55	1632331	494597.6	39°51'06.3	80°41'50.6	5.56	266.525	0.14	0.13	-4.38	0
1571.33	0.74	205.94	1571.22	-2.76	-1.2	-5.84	1632331	494596.7	39°51'06.3	80°41'50.7	5.96	258.417	0.45	-0.34	20.4	0

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1634.33	0.77	354.72	1634.22	-2.94	-1.14	-6.06	1632331	494596.8	39°51'06.3	80°41'50.7	6.16	259.329	2.31	0.05	236.16
1696.33	1	12.01	1696.21	-3.63	-0.2	-5.98	1632331	494597.7	39°51'06.3	80°41'50.7	5.99	268.11	0.56	0.37	27.89
1758.33	1.45	12.92	1758.2	-4.45	1.1	-5.7	1632331	494599	39°51'06.3	80°41'50.6	5.8	280.896	0.73	0.73	1.47
1820.33	1.23	29.73	1820.18	-5.17	2.44	-5.19	1632332	494600.3	39°51'06.3	80°41'50.6	5.73	295.169	0.72	-0.35	27.11
1883.33	1.39	15.77	1883.17	-5.85	3.76	-4.65	1632332	494601.7	39°51'06.4	80°41'50.6	5.98	308.987	0.56	0.25	-22.16
1945.33	0.88	345.59	1945.15	-6.72	4.95	-4.56	1632332	494602.8	39°51'06.4	80°41'50.6	6.73	317.32	1.24	-0.82	-48.68
2007.33	0.08	338.27	2007.15	-7.19	5.45	-4.7	1632332	494603.3	39°51'06.4	80°41'50.6	7.19	319.24	1.29	-1.29	-11.81
2070.33	0.47	174.24	2070.15	-7.02	5.23	-4.69	1632332	494603.1	39°51'06.4	80°41'50.6	7.02	318.147	0.87	0.62	-260.37
2132.33	0.76	190.76	2132.15	-6.54	4.57	-4.74	1632332	494602.5	39°51'06.4	80°41'50.6	6.59	313.998	0.54	0.47	26.65
2203.33	1.05	193.37	2203.14	-5.84	3.48	-4.98	1632332	494601.4	39°51'06.3	80°41'50.6	6.07	304.961	0.41	0.41	3.68
2298	1.26	191.12	2297.79	-4.65	1.61	-5.38	1632332	494599.5	39°51'06.3	80°41'50.6	5.61	286.705	0.23	0.22	-2.38
2393	1.1	197.05	2392.77	-3.47	-0.28	-5.85	1632331	494597.6	39°51'06.3	80°41'50.7	5.85	267.227	0.21	-0.17	6.24
2487	0.68	213.63	2486.76	-2.81	-1.61	-6.42	1632330	494596.3	39°51'06.3	80°41'50.7	6.62	255.919	0.52	-0.45	17.64
2582	0.5	183.44	2581.75	-2.34	-2.49	-6.76	1632330	494595.4	39°51'06.3	80°41'50.7	7.2	249.744	0.37	-0.19	-31.78
2677	0.37	179.55	2676.75	-1.79	-3.21	-6.78	1632330	494594.7	39°51'06.3	80°41'50.7	7.5	244.634	0.14	-0.14	-4.09
2771	0.1	218.88	2770.75	-1.54	-3.58	-6.83	1632330	494594.3	39°51'06.3	80°41'50.7	7.71	242.323	0.32	-0.29	41.84
2866	0.12	80.27	2865.75	-1.47	-3.63	-6.78	1632330	494594.3	39°51'06.3	80°41'50.7	7.69	241.849	0.22	0.02	-145.91
2960	0.22	325.51	2959.75	-1.6	-3.46	-6.79	1632330	494594.5	39°51'06.3	80°41'50.7	7.62	242.964	0.31	0.11	-122.09
3055	0.66	290.37	3054.75	-2.26	-3.12	-7.4	1632329	494594.8	39°51'06.3	80°41'50.7	8.03	247.13	0.52	0.46	-36.99
3150	0.68	289.66	3149.74	-3.21	-2.74	-8.45	1632328	494595.2	39°51'06.3	80°41'50.7	8.88	252.012	0.02	0.02	-0.75
3244	0.64	298.5	3243.73	-4.17	-2.3	-9.43	1632327	494595.7	39°51'06.3	80°41'50.7	9.71	256.273	0.12	-0.04	9.4
3339	0.61	271.07	3338.73	-4.99	-2.04	-10.41	1632326	494595.9	39°51'06.3	80°41'50.7	10.6	258.898	0.31	-0.03	-28.87
3434	0.56	247.44	3433.72	-5.45	-2.21	-11.34	1632326	494595.8	39°51'06.3	80°41'50.7	11.55	258.97	0.26	-0.05	-24.87
3528	0.63	276.62	3527.72	-5.95	-2.33	-12.28	1632325	494595.7	39°51'06.3	80°41'50.7	12.5	259.267	0.33	0.07	31.04
3623	0.71	272.87	3622.71	-6.72	-2.24	-13.38	1632323	494595.8	39°51'06.3	80°41'50.7	13.57	260.509	0.1	0.08	-3.95
3717	1.05	267.48	3716.7	-7.63	-2.25	-14.83	1632322	494595.8	39°51'06.3	80°41'50.8	15	261.385	0.37	0.36	-5.73
3811	1	274.67	3810.69	-8.71	-2.22	-16.5	1632320	494595.8	39°51'06.3	80°41'50.8	16.65	262.348	0.15	-0.05	7.65
3906	0.77	283.31	3905.67	-9.79	-2	-17.95	1632319	494596.1	39°51'06.3	80°41'50.8	18.06	263.634	0.28	-0.24	9.09
4001	0.84	288.39	4000.66	-10.88	-1.64	-19.23	1632318	494596.5	39°51'06.3	80°41'50.8	19.3	265.138	0.11	0.07	5.35
4096	0.59	281.23	4095.66	-11.85	-1.32	-20.37	1632317	494596.8	39°51'06.3	80°41'50.8	20.42	266.29	0.28	-0.26	-7.54
4190	0.37	312.9	4189.65	-12.52	-1.02	-21.07	1632316	494597.1	39°51'06.3	80°41'50.8	21.1	267.228	0.36	-0.23	33.69
4285	0.48	310.14	4284.65	-13.22	-0.56	-21.6	1632315	494597.6	39°51'06.3	80°41'50.9	21.61	268.528	0.12	0.12	-2.91
4380	0.35	286.45	4379.65	-13.85	-0.22	-22.18	1632315	494597.9	39°51'06.3	80°41'50.9	22.18	269.441	0.22	-0.14	-24.94
4474	0.37	294.68	4473.65	-14.36	-0.01	-22.73	1632314	494598.1	39°51'06.3	80°41'50.9	22.73	269.979	0.06	0.02	8.76
4568	0.26	51.11	4567.65	-14.63	0.25	-22.84	1632314	494598.4	39°51'06.3	80°41'50.9	22.84	270.633	0.57	-0.12	123.86
4662	0.29	292.73	4661.65	-14.84	0.48	-22.9	1632314	494598.6	39°51'06.3	80°41'50.9	22.9	271.196	0.5	0.03	-125.94
4756	0.42	300.06	4755.64	-15.37	0.74	-23.41	1632313	494598.9	39°51'06.3	80°41'50.9	23.43	271.817	0.15	0.14	7.8
4851	0.72	294.32	4850.64	-16.23	1.16	-24.26	1632313	494599.3	39°51'06.3	80°41'50.9	24.29	272.744	0.32	0.32	-6.04
4946	0.62	295.75	4945.63	-17.23	1.63	-25.27	1632312	494599.8	39°51'06.3	80°41'50.9	25.32	273.696	0.11	-0.11	1.51
5040	0.64	272.11	5039.63	-18.03	1.87	-26.25	1632311	494600.1	39°51'06.3	80°41'50.9	26.32	274.08	0.28	0.02	-25.15
5135	0.56	345.05	5134.62	-18.81	2.34	-26.9	1632310	494600.5	39°51'06.3	80°41'50.9	27	274.972	0.75	-0.08	76.78
5229	0.46	4.65	5228.62	-19.5	3.16	-26.99	1632310	494601.4	39°51'06.3	80°41'50.9	27.17	276.679	0.21	-0.11	20.85
5324	0.56	307.19	5323.62	-20.23	3.82	-27.33	1632310	494602	39°51'06.4	80°41'50.9	27.59	277.96	0.52	0.11	-60.48
5419	0.43	285.08	5418.61	-20.97	4.19	-28.04	1632309	494602.4	39°51'06.4	80°41'50.9	28.35	278.507	0.24	-0.14	-23.27

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5514	0.5	300.43	5513.61	-21.64	4.5	-28.74	1632308	494602.7	39°51'06.4	80°41'50.9	29.09	278.893	0.15	0.07	16.16
5608	0.44	285.24	5607.61	-22.32	4.8	-29.44	1632308	494603	39°51'06.4	80°41'51.0	29.83	279.258	0.15	-0.06	-16.16
5703	0.8	221.46	5702.6	-22.51	4.4	-30.23	1632307	494602.6	39°51'06.4	80°41'51.0	30.55	278.277	0.76	0.38	-67.14
5797	6.42	200.57	5796.38	-19.75	-1.02	-32.52	1632304	494597.3	39°51'06.3	80°41'51.0	32.53	268.207	6.04	5.98	-22.22
5891	10.09	202.52	5889.39	-13.2	-13.55	-37.52	1632299	494584.8	39°51'06.2	80°41'51.1	39.89	250.145	3.92	3.9	2.07
5986	12.23	178.4	5982.64	-1.27	-31.31	-40.43	1632296	494567.1	39°51'06.0	80°41'51.1	51.13	232.247	5.35	2.25	-25.39
6080	16.97	156.95	6073.64	19.82	-53.91	-34.77	1632301	494544.4	39°51'05.8	80°41'51.0	64.15	212.822	7.57	5.04	-22.82
6175	23.79	146.42	6162.67	52.26	-82.67	-18.72	1632317	494515.4	39°51'05.5	80°41'50.8	84.77	192.759	8.12	7.18	-11.08
6269	31.05	144.22	6246.06	95.39	-118.18	5.97	1632341	494479.6	39°51'05.1	80°41'50.5	118.34	177.107	7.8	7.72	-2.34
6363	37.17	143.23	6323.85	148.01	-160.64	37.17	1632372	494436.7	39°51'04.7	80°41'50.1	164.88	166.97	6.54	6.51	-1.05
6458	47.82	143.49	6393.8	212.03	-212.07	75.41	1632409	494384.8	39°51'04.2	80°41'49.6	225.07	160.426	11.21	11.21	0.27
6552	58.07	142.5	6450.36	286.89	-271.87	120.53	1632454	494324.4	39°51'03.6	80°41'49.0	297.39	156.09	10.94	10.9	-1.05
6647	62.29	141.89	6497.6	369.27	-336.97	171.05	1632503	494258.6	39°51'03.0	80°41'48.4	377.9	153.087	4.48	4.44	-0.64
6742	69.47	142.55	6536.39	455.89	-405.46	224.12	1632556	494189.4	39°51'02.3	80°41'47.7	463.28	151.068	7.58	7.56	0.69
6836	77.94	144.47	6562.75	545.93	-477.95	277.7	1632608	494116.3	39°51'01.6	80°41'47.0	552.77	149.842	9.22	9.01	2.04
6931	88.12	143.88	6574.26	639.94	-554.3	332.82	1632662	494039.2	39°51'00.8	80°41'46.3	646.54	149.018	10.73	10.72	-0.62
7026	88.68	145.21	6576.91	734.7	-631.65	387.91	1632716	493961.1	39°51'00.1	80°41'45.6	741.25	148.445	1.52	0.59	1.4
7121	88.06	143.56	6579.61	829.47	-708.85	443.2	1632771	493883.2	39°50'59.3	80°41'44.9	836	147.985	1.85	-0.65	-1.74
7215	88.83	143.67	6582.16	923.32	-784.49	498.94	1632825	493806.8	39°50'58.6	80°41'44.2	929.72	147.543	0.83	0.82	0.12
7310	88.8	142.99	6584.13	1018.21	-860.68	555.67	1632881	493729.9	39°50'57.8	80°41'43.5	1024.46	147.153	0.72	-0.03	-0.72
7404	89.23	141.37	6585.74	1112.17	-934.92	613.29	1632938	493654.9	39°50'57.1	80°41'42.7	1118.12	146.736	1.78	0.46	-1.72
7499	89.38	141.13	6586.9	1207.16	-1009	672.75	1632996	493580	39°50'56.3	80°41'42.0	1212.72	146.307	0.3	0.16	-0.25
7594	89.66	143.78	6587.69	1302.11	-1084.31	730.64	1633053	493503.9	39°50'55.6	80°41'41.2	1307.5	146.027	2.8	0.29	2.79
7688	89.66	147.45	6588.25	1395.76	-1161.87	783.71	1633105	493425.7	39°50'54.8	80°41'40.5	1401.48	145.999	3.9	0	3.9
7783	89.54	147.62	6588.91	1490.11	-1242.03	834.71	1633155	493344.9	39°50'54.0	80°41'39.9	1496.45	146.097	0.22	-0.13	0.18
7878	89.57	143.21	6589.65	1584.78	-1320.22	888.62	1633208	493266	39°50'53.3	80°41'39.2	1591.42	146.056	4.64	0.03	-4.64
7973	89.6	142.43	6590.34	1679.72	-1395.9	946.03	1633264	493189.5	39°50'52.5	80°41'38.4	1686.27	145.874	0.82	0.03	-0.82
8067	89.63	140.86	6590.97	1773.7	-1469.61	1004.35	1633322	493115	39°50'51.8	80°41'37.7	1780.02	145.651	1.67	0.03	-1.67
8162	89.66	140.27	6591.56	1868.7	-1542.98	1064.7	1633381	493040.9	39°50'51.1	80°41'36.9	1874.67	145.393	0.62	0.03	-0.62
8257	89.48	141.47	6592.27	1963.69	-1616.67	1124.65	1633440	492966.4	39°50'50.3	80°41'36.2	1969.38	145.175	1.28	-0.19	1.26
8351	89.66	140.28	6592.98	2057.69	-1689.59	1183.96	1633498	492892.7	39°50'49.6	80°41'35.4	2063.12	144.98	1.28	0.19	-1.27
8445	89.63	139.76	6593.56	2151.68	-1761.62	1244.35	1633558	492819.9	39°50'48.9	80°41'34.6	2156.78	144.764	0.55	-0.03	-0.55
8540	89.23	138.02	6594.51	2246.61	-1833.19	1306.81	1633619	492747.5	39°50'48.2	80°41'33.8	2251.3	144.516	1.88	-0.42	-1.83
8634	89.23	137.77	6595.77	2340.48	-1902.92	1369.83	1633681	492676.9	39°50'47.5	80°41'33.0	2344.69	144.252	0.27	0	-0.27
8729	89.2	137.3	6597.07	2435.32	-1973	1433.96	1633744	492606	39°50'46.8	80°41'32.2	2439.05	143.991	0.5	-0.03	-0.49
8823	89.2	135.35	6598.38	2529.02	-2040.98	1498.87	1633808	492537.2	39°50'46.1	80°41'31.4	2532.23	143.707	2.07	0	-2.07
8918	89.17	132.83	6599.74	2623.34	-2107.06	1567.09	1633876	492470.2	39°50'45.5	80°41'30.5	2625.93	143.361	2.65	-0.03	-2.65
9013	89.14	129.95	6601.14	2717.04	-2169.86	1638.34	1633946	492406.4	39°50'44.9	80°41'29.6	2718.91	142.946	3.03	-0.03	-3.03
9108	89.11	132.9	6602.59	2810.74	-2232.7	1709.56	1634016	492342.7	39°50'44.2	80°41'28.7	2812.04	142.559	3.11	-0.03	3.11
9203	89.2	133.67	6603.99	2904.91	-2297.83	1778.71	1634085	492276.6	39°50'43.6	80°41'27.8	2905.83	142.257	0.82	0.09	0.81
9393	89.17	136.63	6606.69	3093.94	-2432.5	1912.68	1634217	492140.2	39°50'42.3	80°41'26.1	3094.42	141.822	1.56	-0.02	1.56
9487	89.14	141.37	6608.08	3187.86	-2503.42	1974.32	1634278	492068.5	39°50'41.6	80°41'25.3	3188.27	141.739	5.04	-0.03	5.04
9582	89.2	142.29	6609.46	3282.83	-2578.1	2033.03	1634335	491993	39°50'40.8	80°41'24.5	3283.26	141.742	0.97	0.06	0.97
9676	89.17	140.61	6610.79	3376.81	-2651.6	2091.6	1634393	491918.7	39°50'40.1	80°41'23.8	3377.24	141.733	1.79	-0.03	-1.79

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9770	89.29	139.3	6612.06	3470.79	-2723.55	2152.07	1634452	491846	39°50'39.4	80°41'23.0	3471.19	141.685	1.4	0.13	-1.39
9865	89.17	139.34	6613.33	3565.75	-2795.59	2213.99	1634513	491773.1	39°50'38.7	80°41'22.2	3566.1	141.622	0.13	-0.13	0.04
9960	89.11	141.22	6614.76	3660.73	-2868.65	2274.69	1634573	491699.3	39°50'38.0	80°41'21.4	3661.06	141.587	1.98	-0.06	1.98
10055	89.54	143.13	6615.88	3755.7	-2943.68	2332.94	1634630	491623.5	39°50'37.2	80°41'20.7	3756.05	141.602	2.06	0.45	2.01
10149	89.51	142.3	6616.66	3849.64	-3018.47	2389.88	1634686	491547.9	39°50'36.5	80°41'19.9	3850.02	141.629	0.88	-0.03	-0.88
10244	89.63	140.35	6617.37	3944.63	-3092.63	2449.24	1634745	491473	39°50'35.8	80°41'19.2	3945.02	141.622	2.06	0.13	-2.05
10338	89.6	140.05	6618	4038.62	-3164.85	2509.41	1634804	491400	39°50'35.0	80°41'18.4	4038.99	141.589	0.32	-0.03	-0.32
10432	89.51	140.23	6618.73	4132.61	-3237	2569.66	1634863	491327	39°50'34.3	80°41'17.6	4132.95	141.556	0.21	-0.1	0.19
10527	89.66	143.91	6619.42	4227.57	-3311.92	2628.04	1634920	491251.4	39°50'33.6	80°41'16.9	4227.93	141.568	3.88	0.16	3.87
10622	89.48	144.05	6620.13	4322.42	-3388.75	2683.91	1634975	491173.8	39°50'32.8	80°41'16.2	4322.85	141.621	0.24	-0.19	0.15
10715	89.45	143.39	6621	4415.3	-3463.72	2738.93	1635029	491098.1	39°50'32.1	80°41'15.5	4415.78	141.665	0.71	-0.03	-0.71
10810	89.66	143.93	6621.74	4510.18	-3540.24	2795.23	1635085	491020.8	39°50'31.3	80°41'14.7	4510.72	141.707	0.61	0.22	0.57
10905	89.51	144.73	6622.43	4605	-3617.41	2850.62	1635139	490942.9	39°50'30.6	80°41'14.0	4605.62	141.761	0.86	-0.16	0.84
10999	88.95	145.01	6623.69	4698.75	-3694.29	2904.71	1635192	490865.4	39°50'29.8	80°41'13.3	4699.47	141.823	0.67	-0.6	0.3
11093	88.43	143.41	6625.84	4792.56	-3770.51	2959.66	1635246	490788.4	39°50'29.1	80°41'12.6	4793.37	141.87	1.79	-0.55	-1.7
11188	88.28	143.3	6628.57	4887.43	-3846.7	3016.34	1635302	490711.5	39°50'28.3	80°41'11.9	4888.3	141.899	0.2	-0.16	-0.12
11282	88.34	143.82	6631.34	4981.28	-3922.29	3072.15	1635356	490635.2	39°50'27.6	80°41'11.2	4982.22	141.93	0.56	0.06	0.55
11377	88.34	144.16	6634.09	5076.1	-3999.11	3127.98	1635411	490557.6	39°50'26.8	80°41'10.5	5077.12	141.969	0.36	0	0.36
11471	88.8	143.62	6636.44	5169.93	-4075.02	3183.36	1635465	490481	39°50'26.0	80°41'09.8	5171.03	142.003	0.75	0.49	-0.57
11566	89.51	146.06	6637.84	5264.68	-4152.68	3238.06	1635519	490402.6	39°50'25.3	80°41'09.1	5265.9	142.055	2.67	0.75	2.57
11661	89.38	144.09	6638.76	5359.41	-4230.56	3292.44	1635572	490324	39°50'24.5	80°41'08.4	5360.76	142.108	2.08	-0.14	-2.07
11755	89.38	140.32	6639.78	5453.36	-4304.82	3350.03	1635629	490249	39°50'23.8	80°41'07.6	5454.74	142.11	4.01	0	-4.01
11850	89.32	136.96	6640.85	5548.27	-4376.11	3412.79	1635691	490176.9	39°50'23.1	80°41'06.8	5549.55	142.05	3.54	-0.06	-3.54
12039	88.95	135.87	6643.71	5736.69	-4513	3543.08	1635819	490038.3	39°50'21.7	80°41'05.2	5737.64	141.865	0.61	-0.2	-0.58
12134	89.08	136.39	6645.34	5831.35	-4581.47	3608.91	1635884	489968.9	39°50'21.0	80°41'04.3	5832.16	141.772	0.56	0.14	0.55
12228	89.11	136.98	6646.83	5925.1	-4649.86	3673.38	1635948	489899.7	39°50'20.4	80°41'03.5	5925.78	141.691	0.63	0.03	0.63
12323	89.63	137.3	6647.87	6019.9	-4719.49	3738	1636011	489829.2	39°50'19.7	80°41'02.7	6020.48	141.62	0.64	0.55	0.34
12512	89.63	137.46	6649.09	6208.55	-4858.56	3865.97	1636138	489688.4	39°50'18.3	80°41'01.0	6208.98	141.491	0.08	0	0.08
12702	90	136.54	6649.7	6398.13	-4997.52	3995.55	1636265	489547.8	39°50'16.9	80°40'59.4	6398.41	141.357	0.52	0.19	-0.48
12797	89.85	137.66	6649.83	6492.92	-5067.11	4060.22	1636329	489477.3	39°50'16.2	80°40'58.5	6493.15	141.295	1.19	-0.16	1.18
12891	89.48	138.86	6650.38	6586.83	-5137.25	4122.8	1636391	489406.4	39°50'15.5	80°40'57.7	6587.01	141.252	1.34	-0.39	1.28
12986	88.58	140.54	6651.99	6681.79	-5209.69	4184.23	1636451	489333.1	39°50'14.8	80°40'56.9	6681.96	141.23	2.01	-0.95	1.77
13081	88.46	140.59	6654.44	6776.76	-5283.03	4244.55	1636510	489259	39°50'14.1	80°40'56.2	6776.92	141.221	0.14	-0.13	0.05
13175	88.43	144.24	6656.99	6870.67	-5357.48	4301.86	1636567	489183.8	39°50'13.4	80°40'55.4	6870.85	141.237	3.88	-0.03	3.88
13270	88.46	143.6	6659.57	6965.5	-5434.23	4357.78	1636622	489106.3	39°50'12.6	80°40'54.7	6965.71	141.273	0.67	0.03	-0.67
13365	88.62	144.84	6661.99	7060.3	-5511.28	4413.31	1636676	489028.5	39°50'11.8	80°40'54.0	7060.56	141.313	1.32	0.17	1.31
13459	88.55	144.38	6664.31	7154.06	-5587.89	4467.73	1636730	488951.2	39°50'11.1	80°40'53.3	7154.38	141.356	0.49	-0.07	-0.49
13554	88.65	145.28	6666.63	7248.8	-5665.52	4522.43	1636783	488872.8	39°50'10.3	80°40'52.6	7249.17	141.402	0.95	0.11	0.95
13649	89.05	145.34	6668.54	7343.49	-5743.62	4576.49	1636836	488794	39°50'09.5	80°40'51.9	7343.94	141.452	0.43	0.42	0.06
13743	89.2	144.63	6669.97	7437.23	-5820.59	4630.42	1636889	488716.4	39°50'08.8	80°40'51.2	7437.75	141.497	0.77	0.16	-0.76
13838	89.51	143.78	6671.04	7532.06	-5897.64	4685.98	1636944	488638.6	39°50'08.0	80°40'50.5	7532.64	141.531	0.95	0.33	-0.89
13932	89.48	144.24	6671.87	7625.91	-5973.7	4741.22	1636998	488561.8	39°50'07.3	80°40'49.8	7626.55	141.562	0.49	-0.03	0.49
14027	89.69	141.95	6672.56	7720.82	-6049.66	4798.26	1637054	488485.1	39°50'06.5	80°40'49.1	7721.5	141.58	2.42	0.22	-2.41
14121	89.51	139.52	6673.22	7814.81	-6122.43	4857.75	1637112	488411.5	39°50'05.8	80°40'48.3	7815.48	141.57	2.59	-0.19	-2.59

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14216	89.57	140.64	6673.98	7909.8	-6195.28	4918.71	1637172	488337.9	39°50'05.1	80°40'47.5	7910.45	141.552	1.18	0.06	1.18
14310	89.6	140.08	6674.66	8003.8	-6267.67	4978.67	1637231	488264.7	39°50'04.4	80°40'46.8	8004.43	141.538	0.6	0.03	-0.6
14405	89.38	139.25	6675.51	8098.77	-6340.08	5040.16	1637292	488191.5	39°50'03.7	80°40'46.0	8099.37	141.516	0.9	-0.23	-0.87
14499	89.54	137.97	6676.39	8192.7	-6410.6	5102.31	1637353	488120.2	39°50'03.0	80°40'45.2	8193.24	141.483	1.37	0.17	-1.36
14552	89.54	137.97	6676.82	8245.63	-6449.96	5137.79	1637388	488080.3	39°50'02.6	80°40'44.7	8246.14	141.461	0	0	0

T A R G E T S

Name	TVD	North	East	Grid East	Grid North	Latitude	Longitude	Shape	Comment
	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			
Taylor C 4+	6548.33	-503.6	290.82	1632621	494090.4	39°51'01.3	80°41'46.8	point	
Taylor C 4+	6560	-559.31	336.17	1632666	494034.1	39°51'00.8	80°41'46.3	point	
Taylor C 4+	6626.32	-6450.14	5138.05	1637388	488080.1	39°50'02.6	80°40'44.7	point	
Taylor C LL	7015.33	14.28	-20.52	1632317	494612.4	39°51'06.5	80°41'50.8	polygon	
Taylor C LL	7015.33	14.28	-20.52	1632317	494612.4	39°51'06.5	80°41'50.8	polygon	
Taylor C LL	7015.33	14.28	-20.52	1632317	494612.4	39°51'06.5	80°41'50.8	polygon	
Taylor C Ur	7015.33	14.28	-20.52	1632317	494612.4	39°51'06.5	80°41'50.8	polygon	

WELLPATH COMPOSITION

Ref Wellbore: Taylor C 4H AWB Ref Wellpath: Taylor C 4H AWP Proj: 14552'

Log Name/	Start MD	End MD	Pos	Unc Model
	[ft]	[ft]		
01_Gyroda	32	511.33	BHI Generic Gyro - northseeking	(Standard)
02_APS EV	511.33	2203.33	BHI NavTrak (Axial)	
03_BHI MV	2203.33	5608	BHI NavTrak (Axial)	
04_BHI AT	5608	6742	BHI NavTrak (Axial)	
05_BHI AT	6742	14499	NavTrak (AT Curve Short Spaced)	
Projection	14499	14552	Blind Drilling (std)	