



Jay-Bee Oil & Gas

API 4709502851
 PAD RPT8
 WELL 5
 KB ELEV 1260.4
 GL ELEV 1246

TVD DEPTH @ KB ELEV

FORMATION	TOP	BASE	SS TOP	SS BASE	GL TOP	GL BASE
CARROLL SAND	638	658	622	602	624	644
MURPHY SAND	774	931	486	329	760	917
COW RUN SANDS	924	1010	336	250	910	996
LITTLE DUNKARD SAND	1363	1382	-103	-122	1349	1368
DUNKARD SAND	1451	1472	-191	-212	1437	1458
GAS SAND	1535	1567	-275	-307	1521	1553
1ST SALT SAND	1686	1699	-426	-439	1672	1685
2ND SALT SAND	1770	1781	-510	-521	1756	1767
3RD SALT SAND	1847	1877	-587	-617	1833	1863
LITTLE LIME	2093	2113	-833	-853	2079	2099
PENCIL CAVE	2113	2129	-853	-869	2099	2115
BIG LIME	2129	2203	-869	-943	2115	2189
BIG INJUN SAND	2203	2422	-943	-1162	2189	2408
WEIR SAND	2568	2636	-1308	-1376	2554	2622
BEREA SAND	2757	2762	-1497	-1502	2743	2748
GORDON SAND	2992	3014	-1732	-1754	2978	3000
ELIZABETH	3681	3717	-2421	-2457	3667	3703
WARREN	3737	3777	-2477	-2517	3723	3763
RILEY	4874	5119	-3614	-3859	4860	5105
BENSON	5319	5322	-4059	-4062	5305	5308
ALEXANDER	5549	5587	-4289	-4327	5535	5573
THREE GR MARKER	6370	6421	-5110	-5161	6356	6407
BURKETT	6804	6836	-5544	-5576	6790	6822
TULLY LIMESTONE	6836	6839	-5576	-5579	6822	6825
HAMILTON SHALE	6839	6887	-5579	-5627	6825	6873
MARCELLUS	6887		-5627		6873	

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Phoenix Technology Services
Design Report 20-Oct-2023 09:20:43

Jay-Bee Oil & Gas Inc.
RPT RPT 8-6
Tyler County, WV (NAD83 - WVN)
OH / 72790
Surveys (Falcon 39)

Surface Loc.:
Northing: (Y) 360714.81
Easting: (X) 1605531.03
RKB Elev: 1259.90'
GL Elev: 1245.50'

Survey Type Information:
H 100.00 - 3760.00 GYRODATA SURVEYS : GYD_CT_C011GA
H 3842.00 - 15989.00 PHOENIX MWD SURVEYS : MWD+HRGM

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Depth (ft)	Vertical Depth (ft)	Local Coord (+N/-S) (ft)	(+E/-W) (ft)	Map Coordinates (ft)		Geogr: Latitude Longitude		Vertical Section (ft)	Dogleg Rate (dega/100 Annotation)
0	0	0	-1259.9	0	0	0	360714.8	1605531	39.48322	-80.786	0	0
100	1.44	177.03	-1159.91	99.99	-1.25	0.07	360713.6	1605531	39.48322	-80.786	-1.17	1.44
200	0.99	203.02	-1059.93	199.97	-3.3	-0.21	360711.5	1605531	39.48321	-80.786	-2.93	0.7
300	0.21	51.91	-959.94	299.96	-3.99	-0.4	360710.8	1605531	39.48321	-80.786	-3.47	1.18
400	0.58	151.31	-859.94	399.96	-4.32	-0.01	360710.5	1605531	39.48321	-80.786	-3.93	0.65
500	0.88	226.46	-759.94	499.96	-5.29	-0.33	360709.5	1605531	39.48321	-80.786	-4.69	0.92
600	1.27	278.18	-659.96	599.94	-5.66	-1.98	360709.1	1605529	39.48321	-80.786	-4.34	1
700	2.34	308.38	-560.01	699.89	-4.24	-4.68	360710.6	1605526	39.48321	-80.7861	-1.93	1.4
800	3.2	318.91	-460.13	799.77	-0.87	-8.11	360713.9	1605523	39.48322	-80.7861	2.55	1
900	3.19	320.07	-360.28	899.62	3.37	-11.73	360718.2	1605519	39.48323	-80.7861	7.91	0.07
1000	2.78	317.12	-260.42	999.48	7.28	-15.17	360722.1	1605516	39.48324	-80.7861	12.89	0.44
1100	1.9	310.73	-160.5	1099.4	10.14	-18.08	360725	1605513	39.48325	-80.7861	16.69	0.92
1200	1.27	308.11	-60.54	1199.36	11.91	-20.2	360726.7	1605511	39.48325	-80.7861	19.17	0.63
1300	0.6	312.87	39.45	1299.35	12.95	-21.46	360727.8	1605510	39.48326	-80.7861	20.64	0.67
1400	0.19	139.64	139.44	1399.34	13.18	-21.74	360728	1605509	39.48326	-80.7861	20.96	0.79
1500	0.62	132.93	239.44	1499.34	12.68	-21.23	360727.5	1605510	39.48326	-80.7861	20.3	0.43
1600	0.79	127.32	339.43	1599.33	11.9	-20.29	360726.7	1605511	39.48325	-80.7861	19.2	0.18
1700	1.19	122.53	439.42	1699.32	10.92	-18.86	360725.7	1605512	39.48325	-80.7861	17.72	0.41
1800	1.36	116.94	539.39	1799.29	9.82	-16.93	360724.6	1605514	39.48325	-80.7861	15.93	0.21
1900	0.62	138.51	639.38	1899.28	8.88	-15.52	360723.7	1605516	39.48325	-80.7861	14.48	0.82
2000	1.31	233.5	739.37	1999.27	7.79	-16.08	360722.6	1605515	39.48324	-80.7861	13.73	1.5
2100	3.6	257.43	839.27	2099.17	6.43	-20.06	360721.2	1605511	39.48324	-80.7861	14.12	2.46
2200	6.61	269.71	938.87	2198.77	5.72	-28.88	360720.5	1605502	39.48324	-80.7861	17.11	3.19
2300	8.86	268.73	1037.95	2297.85	5.52	-42.34	360720.3	1605489	39.48324	-80.7862	22.47	2.25
2400	11.05	263.44	1136.44	2396.34	4.25	-59.56	360719.1	1605471	39.48323	-80.7862	28.42	2.37
2500	11.81	260.32	1234.46	2494.36	1.44	-79.17	360716.2	1605452	39.48322	-80.7863	33.93	0.98
2600	10.77	256.84	1332.52	2592.42	-2.41	-98.35	360712.4	1605433	39.48321	-80.7864	38.33	1.24

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2700	12.36	248.99	1430.49	2690.39	-8.38	-117.45	360706.4	1605414	39.48319	-80.7865	40.76	2.23
2800	11.64	244.69	1528.31	2788.21	-16.53	-136.56	360698.3	1605394	39.48317	-80.7865	41.21	1.15
2900	10.87	239.58	1626.39	2886.29	-25.61	-153.81	360689.2	1605377	39.48315	-80.7866	40.03	1.26
3000	10.78	225.43	1724.63	2984.53	-36.95	-168.61	360677.9	1605362	39.48311	-80.7866	35.8	2.65
3100	12	228.12	1822.66	3082.56	-50.46	-183.01	360664.4	1605348	39.48308	-80.7867	29.43	1.33
3200	12.32	228.99	1920.41	3180.31	-64.4	-198.8	360650.4	1605332	39.48304	-80.7867	23.23	0.37
3300	11.61	229.29	2018.24	3278.14	-77.96	-214.48	360636.8	1605317	39.483	-80.7868	17.33	0.71
3400	11.99	233.51	2116.13	3376.03	-90.7	-230.46	360624.1	1605301	39.48296	-80.7869	12.31	0.94
3500	12.9	238.88	2213.78	3473.68	-102.65	-248.36	360612.2	1605283	39.48293	-80.7869	8.8	1.47
3600	13.02	238.43	2311.23	3571.13	-114.31	-267.52	360600.5	1605264	39.4829	-80.787	6.06	0.16
3700	14.15	235.65	2408.44	3668.34	-127.11	-287.21	360587.7	1605244	39.48286	-80.787	2.52	1.3
3760	13.37	231.98	2466.71	3726.61	-135.52	-298.73	360579.3	1605232	39.48284	-80.7871	-0.4	1.95 Tie In
3842	13.15	234.43	2546.53	3806.43	-146.79	-313.78	360568	1605217	39.48281	-80.7871	-4.46	0.74 First Phoenix MWD Survey
3931	13.31	239.12	2633.17	3893.07	-157.93	-330.81	360556.9	1605200	39.48278	-80.7872	-7.6	1.22
4021	15.02	259.38	2720.48	3980.38	-165.4	-351.18	360549.4	1605180	39.48275	-80.7873	-6.02	5.79
4110	12.97	261.07	2806.84	4066.74	-169.08	-372.38	360545.7	1605159	39.48274	-80.7873	-0.63	2.35
4200	11.3	254.95	2894.83	4154.73	-172.94	-390.88	360541.9	1605140	39.48273	-80.7874	3.47	2.34
4289	11.63	254.83	2982.05	4241.95	-177.55	-407.96	360537.3	1605123	39.48272	-80.7875	6.31	0.37
4379	13.34	263.05	3069.93	4329.83	-181.18	-427.02	360533.6	1605104	39.48271	-80.7875	10.85	2.74
4468	12.78	262.34	3156.62	4416.52	-183.74	-446.97	360531.1	1605084	39.4827	-80.7876	16.75	0.65
4557	11.08	255.7	3243.7	4503.6	-187.16	-465.01	360527.6	1605066	39.48269	-80.7877	21.06	2.45
4647	11.22	250.91	3332.01	4591.91	-192.16	-481.67	360522.6	1605049	39.48268	-80.7877	23.37	1.04
4736	12.36	251.31	3419.13	4679.03	-198.04	-498.87	360516.8	1605032	39.48266	-80.7878	25.09	1.28
4826	12.76	251.44	3506.97	4766.87	-204.29	-517.42	360510.5	1605014	39.48264	-80.7879	27.04	0.45
4915	13.58	257.1	3593.63	4853.53	-209.76	-536.93	360505.1	1604994	39.48263	-80.7879	30.1	1.72
5005	13.83	262.85	3681.08	4940.98	-213.45	-557.9	360501.4	1604973	39.48261	-80.788	35.37	1.54
5094	12.36	259.18	3767.76	5027.66	-216.57	-577.81	360498.2	1604953	39.4826	-80.7881	40.74	1.9
5184	11.67	260.12	3855.79	5115.69	-219.94	-596.24	360494.9	1604935	39.48259	-80.7881	45.26	0.8
5275	11.82	260.56	3944.88	5204.78	-223.04	-614.5	360491.8	1604917	39.48259	-80.7882	49.95	0.19
5365	12.3	263.27	4032.9	5292.8	-225.68	-633.11	360489.1	1604898	39.48258	-80.7883	55.22	0.82
5454	13.32	264.21	4119.68	5379.58	-227.83	-652.73	360487	1604878	39.48257	-80.7883	61.35	1.17
5544	12.36	260.24	4207.43	5467.33	-230.5	-672.54	360484.3	1604858	39.48256	-80.7884	67.07	1.45
5633	12.22	260.01	4294.39	5554.29	-233.75	-691.2	360481.1	1604840	39.48255	-80.7885	71.8	0.17
5723	13.29	262.17	4382.17	5642.07	-236.81	-710.83	360478	1604820	39.48254	-80.7885	77.1	1.3
5812	12.43	259.66	4468.94	5728.84	-239.93	-730.39	360474.9	1604801	39.48253	-80.7886	82.32	1.15
5902	10.89	256.32	4557.08	5816.98	-243.68	-748.18	360471.1	1604783	39.48252	-80.7887	86.23	1.87
5991	10.54	256.26	4644.53	5904.43	-247.6	-764.25	360467.2	1604767	39.48251	-80.7887	89.28	0.39
6081	11.45	259.51	4732.87	5992.77	-251.18	-781.03	360463.6	1604750	39.4825	-80.7888	92.93	1.22
6107	11.76	260.63	4758.34	6018.24	-252.08	-786.19	360462.7	1604745	39.4825	-80.7888	94.24	1.47
6197	12.15	261.57	4846.39	6106.29	-254.96	-804.6	360459.8	1604726	39.48249	-80.7889	99.2	0.48
6286	12.65	262.38	4933.31	6193.21	-257.63	-823.53	360457.2	1604708	39.48248	-80.7889	104.57	0.59

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6331	12.23	261.46	4977.26	6237.16	-258.99	-833.13	360455.8	1604698	39.48248	-80.789	107.28	1.03
6376	12.54	276.42	5021.22	6281.12	-259.15	-842.7	360455.7	1604688	39.48248	-80.789	111.08	7.14
6421	14.77	291.83	5064.96	6324.86	-256.47	-852.88	360458.3	1604678	39.48248	-80.789	117.72	9.44
6465	18	303.68	5107.18	6367.08	-250.61	-863.75	360464.2	1604667	39.4825	-80.7891	127.53	10.53
6510	20.82	309.44	5149.62	6409.52	-241.67	-875.72	360473.1	1604655	39.48252	-80.7891	140.61	7.57
6555	24.34	315.8	5191.17	6451.07	-229.94	-888.36	360484.9	1604643	39.48256	-80.7892	156.51	9.51
6599	28.24	320.23	5230.62	6490.52	-215.43	-901.35	360499.4	1604630	39.4826	-80.7892	175.08	9.92
6644	31.99	322.4	5269.54	6529.44	-197.8	-915.44	360517	1604616	39.48264	-80.7893	196.95	8.68
6689	35.07	324.2	5307.05	6566.95	-177.86	-930.28	360536.9	1604601	39.4827	-80.7893	221.23	7.19
6734	38.01	325.87	5343.2	6603.1	-155.9	-945.62	360558.9	1604585	39.48276	-80.7894	247.56	6.9
6778	40.72	326.47	5377.21	6637.11	-132.72	-961.15	360582.1	1604570	39.48282	-80.7894	275.08	6.22
6823	45.13	327.76	5410.16	6670.06	-106.98	-977.77	360607.8	1604553	39.48289	-80.7895	305.38	9.99
6868	48.23	327.63	5441.03	6700.93	-79.32	-995.27	360635.5	1604536	39.48297	-80.7896	337.8	6.89
6912	51.83	327.07	5469.29	6729.19	-50.93	-1013.46	360663.9	1604518	39.48304	-80.7896	371.16	8.24
6957	54.8	328.14	5496.17	6756.07	-20.46	-1032.79	360694.3	1604498	39.48313	-80.7897	406.89	6.87
7002	58.41	329.89	5520.93	6780.83	11.75	-1052.11	360726.6	1604479	39.48321	-80.7898	444.2	8.65
7047	62.1	331.94	5543.26	6803.16	45.89	-1071.09	360760.7	1604460	39.48331	-80.7898	483.13	9.1
7091	65.59	334.98	5562.65	6822.55	81.22	-1088.72	360796	1604442	39.4834	-80.7899	522.58	10.07
7136	68.43	338.51	5580.23	6840.13	119.27	-1105.06	360834.1	1604426	39.48351	-80.79	563.98	9.59
7181	71.82	341.36	5595.53	6855.43	159.02	-1119.56	360873.8	1604411	39.48361	-80.79	606.17	9.6
7226	74.94	344.56	5608.4	6868.3	200.23	-1132.18	360915	1604399	39.48373	-80.7901	648.93	9.72
7270	76.4	345.73	5619.29	6879.19	241.44	-1143.11	360956.2	1604388	39.48384	-80.7901	690.98	4.2
7315	79.85	346.31	5628.55	6888.45	284.16	-1153.75	360999	1604377	39.48396	-80.7901	734.29	7.77
7360	85.54	345.59	5634.27	6894.17	327.45	-1164.58	361042.3	1604366	39.48408	-80.7902	778.19	12.74
7404	87.02	345.52	5637.13	6897.03	369.96	-1175.53	361084.8	1604355	39.48419	-80.7902	821.45	3.37
7449	88.67	344.03	5638.82	6898.72	413.35	-1187.34	361128.2	1604344	39.48431	-80.7903	865.84	4.94
7494	90.62	343.49	5639.1	6899	456.55	-1199.93	361171.4	1604331	39.48443	-80.7903	910.39	4.5
7583	91.29	344.38	5637.61	6897.51	542.06	-1224.55	361256.9	1604306	39.48466	-80.7904	998.46	1.25
7673	90.36	345.13	5636.32	6896.22	628.89	-1248.21	361343.7	1604283	39.4849	-80.7905	1087.31	1.33
7762	90.32	341.68	5635.79	6895.69	714.16	-1273.63	361429	1604257	39.48513	-80.7906	1175.49	3.88
7852	90.27	340.33	5635.33	6895.23	799.26	-1302.92	361514.1	1604228	39.48536	-80.7907	1265.1	1.5
7941	90.42	339.45	5634.79	6894.69	882.83	-1333.52	361597.6	1604198	39.48559	-80.7908	1353.85	1
8031	90.59	341.42	5634	6893.9	967.63	-1363.66	361682.4	1604167	39.48582	-80.7909	1443.53	2.2
8120	90.55	342.48	5633.11	6893.01	1052.24	-1391.23	361767.1	1604140	39.48606	-80.791	1531.99	1.19
8210	89.45	340.71	5633.11	6893.01	1137.63	-1419.64	361852.4	1604111	39.48629	-80.7911	1621.51	2.32
8299	90.9	341.5	5632.84	6892.74	1221.84	-1448.46	361936.6	1604083	39.48652	-80.7912	1710.1	1.86
8389	91.38	343.55	5631.05	6890.95	1307.66	-1475.48	362022.5	1604056	39.48675	-80.7913	1799.44	2.34
8479	91.44	344.1	5628.84	6888.74	1394.07	-1500.55	362108.9	1604030	39.48699	-80.7914	1888.5	0.61
8568	90.89	343.78	5627.03	6886.93	1479.58	-1525.16	362194.4	1604006	39.48722	-80.7915	1976.55	0.71
8657	91.05	343.21	5625.52	6885.42	1564.9	-1550.44	362279.7	1603981	39.48746	-80.7916	2064.71	0.67
8747	90.07	343.68	5624.64	6884.54	1651.16	-1576.09	362366	1603955	39.48769	-80.7917	2153.88	1.21

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8836	91.04	345.54	5623.78	6883.68	1736.96	-1599.7	362451.8	1603931	39.48793	-80.7918	2241.79	2.36
8925	90.98	344.63	5622.21	6882.11	1822.95	-1622.61	362537.8	1603908	39.48816	-80.7919	2329.57	1.02
9015	91.19	344.6	5620.5	6880.4	1909.71	-1646.48	362624.5	1603885	39.4884	-80.792	2418.46	0.24
9104	91.19	344.49	5618.66	6878.56	1995.47	-1670.19	362710.3	1603861	39.48863	-80.7921	2506.38	0.12
9194	90.38	343.36	5617.42	6877.32	2081.94	-1695.11	362796.8	1603836	39.48887	-80.7921	2595.43	1.54
9283	91.22	341.01	5616.18	6876.08	2166.66	-1722.33	362881.5	1603809	39.4891	-80.7923	2683.84	2.8
9372	91.02	339.82	5614.44	6874.34	2250.49	-1752.16	362965.3	1603779	39.48933	-80.7924	2772.52	1.36
9462	91.89	342.13	5612.15	6872.05	2335.54	-1781.49	363050.4	1603750	39.48956	-80.7925	2862.1	2.74
9551	89.28	342.13	5611.25	6871.15	2420.24	-1808.8	363135	1603722	39.48979	-80.7926	2950.52	2.93
9641	88.88	341.61	5612.69	6872.59	2505.76	-1836.8	363220.6	1603694	39.49003	-80.7927	3039.98	0.73
9730	89.24	342.81	5614.15	6874.05	2590.49	-1863.99	363305.3	1603667	39.49026	-80.7928	3128.39	1.41
9820	89.13	342.42	5615.43	6875.33	2676.37	-1890.87	363391.2	1603640	39.49049	-80.7929	3217.72	0.45
9909	89.39	341.92	5616.58	6876.48	2761.09	-1918.12	363475.9	1603613	39.49073	-80.793	3306.14	0.63
9998	90.28	343.37	5616.84	6876.74	2846.03	-1944.67	363560.8	1603586	39.49096	-80.7931	3394.48	1.91
10088	90.02	344.66	5616.6	6876.5	2932.55	-1969.45	363647.4	1603562	39.49119	-80.7932	3483.52	1.46
10177	90.41	343.88	5616.27	6876.17	3018.22	-1993.58	363733	1603537	39.49143	-80.7933	3571.52	0.98
10267	90.45	343.11	5615.59	6875.49	3104.5	-2019.15	363819.3	1603512	39.49167	-80.7933	3660.68	0.86
10356	90.35	341.37	5614.97	6874.87	3189.26	-2046.3	363904.1	1603485	39.4919	-80.7935	3749.09	1.96
10446	91.41	340.93	5613.59	6873.49	3274.42	-2075.37	363989.2	1603456	39.49213	-80.7936	3838.66	1.28
10535	90.9	343.16	5611.79	6871.69	3359.06	-2102.8	364073.9	1603428	39.49236	-80.7937	3927.09	2.57
10625	90.33	344.93	5610.83	6870.73	3445.59	-2127.53	364160.4	1603403	39.4926	-80.7938	4016.12	2.07
10714	90.18	343.26	5610.43	6870.33	3531.17	-2151.92	364246	1603379	39.49283	-80.7938	4104.15	1.88
10804	89.98	345.21	5610.31	6870.21	3617.78	-2176.37	364332.6	1603355	39.49307	-80.7939	4193.15	2.18
10894	91.5	344.42	5609.14	6869.04	3704.63	-2199.95	364419.4	1603331	39.49331	-80.794	4281.99	1.9
10983	91.27	344.39	5606.99	6866.89	3790.33	-2223.87	364505.1	1603307	39.49354	-80.7941	4369.93	0.26
11072	91.39	344.23	5604.93	6864.83	3875.99	-2247.93	364590.8	1603283	39.49377	-80.7942	4457.9	0.22
11162	91.7	342.93	5602.5	6862.4	3962.29	-2273.36	364677.1	1603258	39.49401	-80.7943	4547.01	1.48
11251	90.02	342.84	5601.16	6861.06	4047.33	-2299.55	364762.1	1603231	39.49424	-80.7944	4635.29	1.89
11341	89.93	341.17	5601.2	6861.1	4132.93	-2327.35	364847.7	1603204	39.49448	-80.7945	4724.73	1.86
11430	90.25	340.77	5601.06	6860.96	4217.06	-2356.37	364931.9	1603175	39.49471	-80.7946	4813.35	0.58
11520	90.5	341.47	5600.48	6860.38	4302.22	-2385.49	365017	1603146	39.49494	-80.7947	4902.94	0.83
11609	90.35	341.87	5599.82	6859.72	4386.7	-2413.48	365101.5	1603118	39.49517	-80.7948	4991.45	0.48
11698	89.99	342.56	5599.55	6859.45	4471.45	-2440.66	365186.3	1603090	39.4954	-80.7949	5079.87	0.87
11788	90.24	344.16	5599.37	6859.27	4557.67	-2466.44	365272.5	1603065	39.49564	-80.795	5169.06	1.8
11877	89.96	344.22	5599.22	6859.12	4643.31	-2490.68	365358.1	1603040	39.49587	-80.7951	5257.08	0.32
11967	89.47	344.28	5599.66	6859.56	4729.93	-2515.11	365444.7	1603016	39.49611	-80.7952	5346.07	0.55
12056	89.64	344.08	5600.35	6860.25	4815.55	-2539.37	365530.4	1602992	39.49634	-80.7953	5434.08	0.29
12146	89.81	344.43	5600.79	6860.69	4902.17	-2563.8	365617	1602967	39.49658	-80.7954	5523.07	0.43
12235	89.27	341.91	5601.5	6861.4	4987.35	-2589.56	365702.2	1602941	39.49681	-80.7955	5611.3	2.9
12325	90.28	344.63	5601.85	6861.75	5073.53	-2615.47	365788.3	1602916	39.49705	-80.7956	5700.5	3.22
12414	90.58	344.96	5601.19	6861.09	5159.42	-2638.81	365874.2	1602892	39.49728	-80.7957	5788.37	0.5

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12503	90.22	342.03	5600.56	6860.46	5244.74	-2664.09	365959.5	1602867	39.49751	-80.7957	5876.53	3.32
12593	89.87	340.78	5600.49	6860.39	5330.04	-2692.79	366044.8	1602838	39.49775	-80.7959	5966.08	1.44
12682	90.68	342.91	5600.07	6859.97	5414.6	-2720.52	366129.4	1602811	39.49798	-80.796	6054.55	2.56
12772	90.75	342.85	5598.94	6858.84	5500.6	-2747.01	366215.4	1602784	39.49821	-80.7961	6143.84	0.1
12861	88.98	344.1	5599.15	6859.05	5585.92	-2772.32	366300.7	1602759	39.49845	-80.7961	6232	2.43
12951	89.72	343.6	5600.17	6860.07	5672.37	-2797.35	366387.2	1602734	39.49868	-80.7962	6321.08	0.99
13040	90.24	343.85	5600.21	6860.11	5757.8	-2822.3	366472.6	1602709	39.49892	-80.7963	6409.2	0.65
13129	90.36	344.87	5599.74	6859.64	5843.5	-2846.29	366558.3	1602685	39.49915	-80.7964	6497.18	1.15
13219	89.16	343.42	5600.12	6860.02	5930.07	-2870.88	366644.9	1602660	39.49939	-80.7965	6586.19	2.09
13308	90.13	343.64	5600.67	6860.57	6015.42	-2896.11	366730.2	1602635	39.49962	-80.7966	6674.35	1.12
13398	90.32	343.42	5600.31	6860.21	6101.72	-2921.62	366816.5	1602609	39.49986	-80.7967	6763.5	0.32
13487	91.39	342.25	5598.99	6858.89	6186.75	-2947.89	366901.6	1602583	39.50009	-80.7968	6851.8	1.78
13577	91.81	341.46	5596.47	6856.37	6272.24	-2975.9	366987	1602555	39.50032	-80.7969	6941.24	0.99
13666	90.25	341.71	5594.87	6854.77	6356.66	-3004.01	367071.5	1602527	39.50055	-80.797	7029.75	1.78
13756	89.88	342.97	5594.77	6854.67	6442.42	-3031.31	367157.2	1602500	39.50079	-80.7971	7119.13	1.46
13845	90.21	342.94	5594.7	6854.6	6527.51	-3057.4	367242.3	1602474	39.50102	-80.7972	7207.41	0.37
13935	89.95	342.92	5594.58	6854.48	6613.55	-3083.82	367328.4	1602447	39.50126	-80.7973	7296.69	0.29
14024	89.59	342.25	5594.93	6854.83	6698.47	-3110.46	367413.3	1602421	39.50149	-80.7974	7385.04	0.85
14114	89.9	342.18	5595.33	6855.23	6784.16	-3137.95	367499	1602393	39.50172	-80.7975	7474.46	0.35
14203	90.12	343.2	5595.32	6855.22	6869.13	-3164.43	367583.9	1602367	39.50195	-80.7976	7562.79	1.17
14292	90.15	343.06	5595.11	6855.01	6954.3	-3190.26	367669.1	1602341	39.50219	-80.7977	7651.03	0.16
14382	90.45	343.39	5594.64	6854.54	7040.47	-3216.23	367755.3	1602315	39.50242	-80.7978	7740.25	0.5
14471	90.27	342.84	5594.08	6853.98	7125.63	-3242.08	367840.4	1602289	39.50266	-80.7979	7828.5	0.65
14561	90.48	342.93	5593.49	6853.39	7211.64	-3268.57	367926.5	1602262	39.50289	-80.798	7917.78	0.25
14650	90.59	344.31	5592.66	6852.56	7297.03	-3293.66	368011.8	1602237	39.50312	-80.7981	8005.92	1.56
14740	89.72	342.08	5592.41	6852.31	7383.18	-3319.68	368098	1602211	39.50336	-80.7982	8095.14	2.66
14829	89.92	342.63	5592.69	6852.59	7467.99	-3346.66	368182.8	1602184	39.50359	-80.7983	8183.53	0.66
14919	89.38	342.05	5593.24	6853.14	7553.74	-3373.96	368268.6	1602157	39.50383	-80.7984	8272.92	0.88
15008	90.56	343.92	5593.29	6853.19	7638.84	-3400	368353.7	1602131	39.50406	-80.7985	8361.19	2.48
15098	90.99	344.26	5592.07	6851.97	7725.39	-3424.67	368440.2	1602106	39.50429	-80.7986	8450.21	0.61
15187	89.64	342.04	5591.58	6851.48	7810.56	-3450.47	368525.4	1602081	39.50453	-80.7987	8538.44	2.92
15277	89.55	341.32	5592.22	6852.12	7895.99	-3478.75	368610.8	1602052	39.50476	-80.7988	8627.95	0.81
15366	90.64	344.29	5592.07	6851.97	7981	-3505.06	368695.8	1602026	39.50499	-80.7989	8716.25	3.55
15456	90.89	343.85	5590.87	6850.77	8067.54	-3529.76	368782.3	1602001	39.50523	-80.799	8805.27	0.56
15545	90.38	342.66	5589.88	6849.78	8152.76	-3555.4	368867.6	1601976	39.50546	-80.7991	8893.48	1.45
15635	89.65	343.47	5589.86	6849.76	8238.85	-3581.62	368953.7	1601949	39.5057	-80.7991	8982.73	1.21
15724	89.79	343.77	5590.3	6850.2	8324.24	-3606.72	369039.1	1601924	39.50593	-80.7992	9070.88	0.37
15813	89.9	343.81	5590.54	6850.44	8409.7	-3631.56	369124.5	1601899	39.50616	-80.7993	9158.98	0.13
15920	89.99	344.21	5590.64	6850.54	8512.56	-3661.04	369227.4	1601870	39.50645	-80.7994	9264.85	0.38
15989	89.99	344.21	5590.65	6850.55	8578.96	-3679.81	369293.8	1601851	39.50663	-80.7995	9333.09	0

Final Phoenix MWD Survey
0 Projection to TD

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All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to RKB. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Slot and calculated along an Azimuth of 335.668° (Grid).

Coordinate System is North American Datum 1983 US State Plane 1983, West Virginia Northern Zone.
Grid Convergence at Surface is -0.820°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 15989.00ft.,
the Bottom Hole Displacement is 9334.86ft., in the Direction of 335.668° (Grid).

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