

Actual Wellpath Report

Barry Greathouse B BRK 1H AWP Proj: 16767'

Page 1 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	SOUTHWESTERN ENERGY	Slot	Slot #1H
Area	Brooke County, WV	Well	Barry Greathouse B BRK 1H
Field	Brooke	Wellbore	Barry Greathouse B BRK 1H AWP
Facility	Barry Greathouse B BRK Pad		

REPORT SETUP INFORMATION			
Projection System	NAD83 / UTM Zone 17 North, US feet	Software System	WellArchitect® 5.1
North Reference	Grid	User	Atenien
Scale	0.999611	Report Generated	03/Apr/2019 at 15:52
Convergence at slot	0.23° East	Database/Source file	WA_MPL_EASTERNUS_Defn/Barry_Greathouse_B_BRK_1H_AWP_Proj_16767_.xml

WELLPATH LOCATION							
	Local coordinates			Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude	
Slot Location	11.50	7.97	1740620.69	14595288.93	40°11'15.747"N	80°38'28.355"W	
Facility Reference Pt			1740612.72	14595277.43	40°11'15.634"N	80°38'28.458"W	
Field Reference Pt			0.00	0.00	0°00'00.000"	85°29'19.478"W	

WELLPATH DATUM			
Calculation method	Minimum curvature	SDC 40 (KB) to Facility Vertical Datum	1169.40ft
Horizontal Reference Pt	Slot	SDC 40 (KB) to Mean Sea Level	1169.40ft
Vertical Reference Pt	SDC 40 (KB)	SDC 40 (KB) to Ground Level at Slot (Slot #1H)	26.00ft
MD Reference Pt	SDC 40 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	329.00°



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Page 2 of 10



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WELLPATH DATA (191 stations) + = Interpolated/extrapolated station

MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(US ft)	(US ft)			(ft)	(°)	(°/100ft)	(°/100ft)	(°/100ft)
0.004	0.000	30.470	0.00	0.00	0.00	0.00	1740620.69	14595288.93	40°11'15.747"N	80°38'28.355"W	0.00	0.000	0.00	0.00	0.00
26.00	0.000	30.470	26.00	0.00	0.00	0.00	1740620.69	14595288.93	40°11'15.747"N	80°38'28.355"W	0.00	0.000	0.00	0.00	0.00
157.00	0.460	30.470	157.00	0.25	0.45	0.27	1740620.95	14595289.38	40°11'15.751"N	80°38'28.351"W	0.53	30.470	0.35	0.35	23.26
219.00	0.260	37.850	219.00	0.42	0.78	0.48	1740621.17	14595289.71	40°11'15.755"N	80°38'28.348"W	0.91	31.602	0.33	-0.32	11.90
310.00	0.280	97.190	310.00	0.36	0.91	0.83	1740621.51	14595289.84	40°11'15.756"N	80°38'28.344"W	1.23	42.120	0.29	0.02	65.21
433.00	0.230	166.040	433.00	-0.06	0.64	1.18	1740621.87	14595289.57	40°11'15.753"N	80°38'28.339"W	1.34	61.730	0.24	-0.04	55.98
523.00	0.500	208.580	522.99	-0.44	0.12	1.04	1740621.73	14595289.05	40°11'15.748"N	80°38'28.341"W	1.05	83.598	0.41	0.30	47.27
614.00	0.830	167.300	613.99	-1.26	-0.87	0.99	1740621.68	14595288.05	40°11'15.738"N	80°38'28.342"W	1.32	131.331	0.62	0.36	-45.36
706.00	1.900	144.120	705.96	-3.41	-2.76	2.04	1740622.72	14595286.17	40°11'15.720"N	80°38'28.329"W	3.43	143.602	1.29	1.16	-25.20
797.00	3.480	135.350	796.86	-7.60	-5.95	4.86	1740625.55	14595282.98	40°11'15.688"N	80°38'28.292"W	7.68	140.746	1.79	1.74	-9.64
888.00	4.810	137.980	887.62	-14.03	-10.75	9.36	1740630.04	14595278.19	40°11'15.640"N	80°38'28.235"W	14.25	138.961	1.48	1.46	2.89
981.00	5.790	141.000	980.22	-22.50	-17.29	14.92	1740635.60	14595271.65	40°11'15.576"N	80°38'28.163"W	22.84	139.212	1.10	1.05	3.25
1074.00	6.690	140.740	1072.67	-32.51	-25.13	21.30	1740641.98	14595263.81	40°11'15.498"N	80°38'28.082"W	32.94	139.718	0.97	0.97	-0.28
1166.00	7.130	143.800	1164.00	-43.50	-33.89	28.06	1740648.74	14595255.06	40°11'15.411"N	80°38'27.995"W	44.00	140.372	0.62	0.48	3.33
1259.00	8.080	148.250	1256.18	-55.78	-44.10	34.91	1740655.58	14595244.84	40°11'15.310"N	80°38'27.907"W	56.25	141.636	1.20	1.02	4.78
1352.00	8.460	148.540	1348.21	-69.16	-55.50	41.92	1740662.59	14595233.45	40°11'15.197"N	80°38'27.817"W	69.55	142.934	0.41	0.41	0.31
1444.00	7.650	144.540	1439.31	-82.03	-66.26	49.00	1740669.67	14595222.70	40°11'15.090"N	80°38'27.727"W	82.41	143.513	1.07	-0.88	-4.35
1534.00	7.470	143.190	1528.52	-93.82	-75.82	55.99	1740676.65	14595213.14	40°11'14.996"N	80°38'27.637"W	94.25	143.558	0.28	-0.20	-1.50
1575.00	7.610	145.440	1569.17	-99.19	-80.19	59.12	1740679.79	14595208.77	40°11'14.952"N	80°38'27.597"W	99.63	143.599	0.80	0.34	5.49
1655.00	6.630	144.730	1648.55	-109.08	-88.32	64.79	1740685.46	14595200.64	40°11'14.872"N	80°38'27.524"W	109.54	143.736	1.23	-1.22	-0.89
1748.00	7.270	164.280	1740.88	-120.11	-98.37	69.49	1740690.15	14595190.60	40°11'14.772"N	80°38'27.464"W	120.44	144.763	2.62	0.69	21.02
1840.00	7.660	172.420	1832.10	-131.35	-110.05	71.87	1740692.53	14595178.92	40°11'14.657"N	80°38'27.434"W	131.44	146.852	1.22	0.42	8.85
1933.00	8.070	194.880	1924.25	-141.59	-122.51	71.02	1740691.68	14595166.47	40°11'14.534"N	80°38'27.446"W	141.60	149.900	3.31	0.44	24.15
2026.00	8.610	194.860	2016.27	-150.98	-135.55	67.55	1740688.22	14595153.44	40°11'14.405"N	80°38'27.491"W	151.45	153.509	0.58	0.58	-0.02
2119.00	9.560	204.650	2108.10	-160.19	-149.30	62.55	1740683.21	14595139.69	40°11'14.269"N	80°38'27.557"W	161.87	157.269	1.95	1.02	10.53
2211.00	9.910	207.600	2198.78	-168.62	-163.25	55.69	1740676.36	14595125.74	40°11'14.132"N	80°38'27.646"W	172.49	161.063	0.66	0.38	3.21
2304.00	10.760	211.860	2290.27	-176.75	-177.72	47.40	1740668.07	14595111.28	40°11'13.989"N	80°38'27.753"W	183.93	165.065	1.23	0.91	4.58
2397.00	11.700	219.550	2381.50	-183.85	-192.37	36.82	1740657.49	14595096.64	40°11'13.845"N	80°38'27.890"W	195.86	169.166	1.90	1.01	8.27
2489.00	13.650	220.500	2471.25	-190.40	-207.82	23.82	1740644.50	14595081.19	40°11'13.692"N	80°38'28.059"W	209.18	173.460	2.13	2.12	1.03
2582.00	16.190	220.210	2561.11	-198.06	-226.06	8.32	1740629.01	14595062.95	40°11'13.513"N	80°38'28.259"W	226.22	177.891	2.73	2.73	-0.31



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Page 3 of 10



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Field	Brooke	Wellbore	Barry Greathouse B BRK 1H AWP
Facility	Barry Greathouse B BRK Pad		

WELLPATH DATA (191 stations)

MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]
2675.00	17.630	226.770	2650.09	-205.22	-245.61	-10.31	1740610.38	14595043.41	40°11'13.320"N	80°38'28.500"W	245.83	182.404	2.57	1.55	7.05
2768.00	18.290	233.030	2738.57	-209.72	-264.04	-32.23	1740588.47	14595024.99	40°11'13.139"N	80°38'28.784"W	266.00	186.960	2.19	0.71	6.73
2860.00	19.130	232.450	2825.70	-212.95	-281.91	-55.72	1740564.99	14595007.13	40°11'12.963"N	80°38'29.087"W	287.36	191.180	0.94	0.91	-0.63
2953.00	21.210	235.160	2913.00	-215.81	-300.81	-81.61	1740539.11	14594988.24	40°11'12.778"N	80°38'29.422"W	311.68	195.179	2.45	2.24	2.91
3051.00	21.550	237.470	3004.26	-217.48	-320.61	-111.34	1740509.40	14594968.44	40°11'12.583"N	80°38'29.806"W	339.40	199.150	0.93	0.35	2.36
3143.00	22.270	237.260	3089.61	-218.46	-339.13	-140.24	1740480.50	14594949.93	40°11'12.401"N	80°38'30.179"W	366.98	202.467	0.79	0.78	-0.23
3231.00	25.380	238.450	3170.10	-219.15	-358.02	-170.35	1740450.41	14594931.05	40°11'12.216"N	80°38'30.568"W	396.48	205.446	3.58	3.53	1.35
3320.00	26.900	237.760	3250.00	-219.77	-378.74	-203.63	1740417.13	14594910.34	40°11'12.012"N	80°38'30.998"W	430.01	208.265	1.74	1.71	-0.78
3411.00	26.570	236.030	3331.27	-221.27	-401.10	-237.93	1740382.86	14594887.99	40°11'11.793"N	80°38'31.441"W	466.35	210.676	0.93	-0.36	-1.90
3503.00	26.310	237.200	3413.65	-222.97	-423.64	-272.13	1740348.67	14594865.46	40°11'11.572"N	80°38'31.883"W	503.51	212.715	0.63	-0.28	1.27
3593.00	26.120	236.970	3494.39	-224.30	-445.24	-305.50	1740315.30	14594843.86	40°11'11.359"N	80°38'32.314"W	539.97	214.456	0.24	-0.21	-0.26
3686.00	27.100	236.680	3577.54	-225.88	-468.04	-340.37	1740280.45	14594821.08	40°11'11.135"N	80°38'32.765"W	578.71	216.026	1.06	1.05	-0.31
3778.00	27.180	237.360	3659.41	-227.33	-490.88	-375.57	1740245.26	14594798.24	40°11'10.911"N	80°38'33.219"W	618.08	217.420	0.35	0.09	0.74
3871.00	27.870	236.790	3741.88	-228.78	-514.24	-411.65	1740209.20	14594774.89	40°11'10.682"N	80°38'33.685"W	658.71	218.677	0.79	0.74	-0.61
3964.00	28.030	238.060	3824.03	-229.98	-537.71	-448.38	1740172.49	14594751.43	40°11'10.451"N	80°38'34.160"W	700.12	219.824	0.66	0.17	1.37
4057.00	27.790	237.460	3906.22	-230.92	-560.93	-485.20	1740135.68	14594728.22	40°11'10.223"N	80°38'34.635"W	741.66	220.859	0.40	-0.26	-0.65
4149.00	26.930	237.120	3987.93	-232.18	-583.78	-520.77	1740100.12	14594705.38	40°11'09.999"N	80°38'35.095"W	782.30	221.735	0.95	-0.93	-0.37
4242.00	26.920	237.320	4070.84	-233.48	-606.58	-556.18	1740064.73	14594682.59	40°11'09.775"N	80°38'35.552"W	822.96	222.518	0.10	-0.01	0.22
4335.00	26.310	238.010	4153.99	-234.46	-628.86	-591.38	1740029.54	14594660.31	40°11'09.556"N	80°38'36.007"W	863.25	223.241	0.74	-0.66	0.74
4428.00	25.370	235.640	4237.69	-235.98	-651.03	-625.31	1739995.62	14594638.16	40°11'09.338"N	80°38'36.445"W	902.69	223.846	1.50	-1.01	-2.55
4521.00	24.200	235.730	4322.12	-238.24	-673.01	-657.51	1739963.44	14594616.19	40°11'09.123"N	80°38'36.861"W	940.88	224.333	1.26	-1.26	0.10
4613.00	25.000	236.860	4405.77	-240.04	-694.25	-689.37	1739931.59	14594594.95	40°11'08.914"N	80°38'37.273"W	978.38	224.798	1.01	0.87	1.23
4706.00	25.950	237.300	4489.73	-241.38	-715.99	-722.95	1739898.02	14594573.22	40°11'08.700"N	80°38'37.707"W	1017.50	225.277	1.04	1.02	0.47
4799.00	26.220	236.860	4573.26	-242.75	-738.21	-757.28	1739863.71	14594551.00	40°11'08.482"N	80°38'38.150"W	1057.56	225.730	0.36	0.29	-0.47
4889.00	26.480	236.850	4653.91	-244.24	-760.05	-790.72	1739830.27	14594529.17	40°11'08.268"N	80°38'38.528"W	1096.78	226.133	0.29	-0.29	-0.01
4981.00	26.170	237.950	4736.37	-245.38	-782.04	-825.09	1739795.92	14594507.20	40°11'08.052"N	80°38'39.026"W	1136.82	226.535	0.63	-0.34	1.20
5074.00	24.330	237.810	4820.48	-246.16	-803.13	-858.61	1739762.33	14594486.12	40°11'07.845"N	80°38'39.460"W	1175.74	226.915	1.98	-1.98	-0.15
5167.00	23.800	238.230	4905.39	-246.81	-823.21	-890.86	1739730.18	14594466.04	40°11'07.647"N	80°38'39.876"W	1212.97	227.260	0.60	-0.57	0.45
5213.00	22.390	244.330	4947.71	-246.12	-831.90	-906.65	1739714.40	14594445.36	40°11'07.562"N	80°38'40.080"W	1230.47	227.462	6.03	-3.07	13.26
5259.00	22.730	249.010	4990.19	-243.76	-838.88	-922.84	1739698.21	14594445.36	40°11'07.494"N	80°38'40.289"W	1247.14	227.729	3.97	0.74	10.17



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Page 4 of 10



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[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]
5306.00	23.820	252.210	5033.37	-240.01	-845.03	-940.36	1733680.70	14594444.23	40°11'07.434"N	80°38'40.515"W	1264.26	228.056	3.55	2.32	6.81
5352.00	24.020	259.740	5075.43	-234.57	-849.53	-958.42	1733662.64	14594439.73	40°11'07.390"N	80°38'40.748"W	1280.73	228.446	6.65	0.43	16.37
5398.00	24.160	265.100	5117.43	-227.11	-852.01	-977.01	1733644.06	14594437.25	40°11'07.366"N	80°38'40.987"W	1296.33	228.910	4.76	0.30	11.65
5445.00	24.390	269.720	5160.28	-217.92	-852.88	-996.30	1733624.78	14594436.39	40°11'07.359"N	80°38'41.236"W	1311.49	229.435	4.07	0.49	9.83
5460.00	24.830	271.980	5173.91	-214.63	-852.78	-1002.55	1733618.53	14594436.48	40°11'07.360"N	80°38'41.316"W	1316.18	229.615	6.93	2.93	15.07
5527.00	25.370	281.410	5234.61	-197.28	-849.46	-1030.58	17336590.40	14594445.87	40°11'07.394"N	80°38'41.679"W	1335.62	230.506	6.02	0.81	14.07
5574.00	27.380	292.110	5276.74	-181.84	-843.39	-1050.58	1733670.52	14594445.87	40°11'07.454"N	80°38'41.935"W	1347.23	231.243	10.96	4.28	22.77
5666.00	31.490	305.190	5356.93	-142.88	-821.55	-1089.88	1733631.24	14594467.70	40°11'07.672"N	80°38'42.440"W	1364.83	232.991	8.27	4.47	14.22
5759.00	36.270	313.580	5434.16	-94.08	-788.55	-1129.70	17336491.43	14594500.69	40°11'07.999"N	80°38'42.951"W	1377.69	235.084	7.18	5.14	9.02
5849.00	42.160	317.640	5503.87	-38.75	-747.84	-1169.38	17336451.77	14594541.38	40°11'08.403"N	80°38'43.460"W	1388.06	237.400	7.14	6.54	4.51
5942.00	48.320	319.720	5569.33	26.19	-698.23	-1212.90	17336408.26	14594590.97	40°11'08.895"N	80°38'44.019"W	1399.52	240.072	6.81	6.62	2.24
6034.00	55.870	323.290	5627.10	97.14	-642.18	-1257.37	17336363.81	14594647.00	40°11'09.451"N	80°38'44.589"W	1411.87	242.945	6.74	6.03	3.88
6127.00	58.830	326.750	5678.63	174.33	-578.75	-1301.67	17336319.53	14594710.41	40°11'10.800"N	80°38'45.156"W	1424.53	246.029	6.17	5.33	3.72
6220.00	67.820	329.910	5720.34	257.33	-508.06	-1345.17	17336276.04	14594781.07	40°11'10.780"N	80°38'45.713"W	1437.92	249.309	10.13	9.67	3.40
6313.00	71.000	329.710	5753.04	344.36	-432.82	-1388.95	17336232.28	14594856.28	40°11'11.525"N	80°38'46.273"W	1454.82	252.692	3.43	3.42	-0.22
6405.00	74.110	331.610	5780.62	432.08	-356.31	-1431.93	17336189.31	14594932.75	40°11'12.283"N	80°38'46.823"W	1475.60	256.027	3.91	3.38	2.07
6454.00	80.480	333.480	5791.39	479.76	-313.92	-1453.95	17336167.30	14594975.14	40°11'12.703"N	80°38'47.105"W	1487.45	257.817	13.52	13.00	3.82
6498.00	85.780	334.640	5796.66	523.26	-274.65	-1473.05	17336148.21	14595014.39	40°11'13.091"N	80°38'47.349"W	1498.44	259.439	12.33	12.05	2.64
6544.00	90.250	335.350	5798.25	568.97	-232.99	-1492.48	17336128.79	14595058.03	40°11'13.504"N	80°38'47.597"W	1510.56	261.127	9.84	9.72	1.54
6591.00	90.280	335.450	5798.03	615.67	-190.26	-1512.04	17336109.24	14595098.74	40°11'13.927"N	80°38'47.847"W	1523.97	262.828	0.22	0.06	0.21
6684.00	90.220	335.730	5797.63	708.06	-105.57	-1550.48	17336970.82	14595183.40	40°11'14.765"N	80°38'48.338"W	1554.07	266.105	0.31	-0.06	0.30
6773.00	90.220	335.550	5797.28	796.46	-24.50	-1587.19	17336903.12	14595264.44	40°11'15.568"N	80°38'48.807"W	1587.37	269.116	0.20	0.00	-0.20
6866.00	90.250	335.180	5796.90	888.89	60.04	-1625.95	17336895.37	14595348.94	40°11'16.405"N	80°38'49.302"W	1627.06	272.115	0.40	0.03	-0.40
6959.00	90.650	336.760	5796.17	981.19	144.97	-1663.82	17336857.52	14595433.84	40°11'17.245"N	80°38'49.785"W	1670.12	274.980	1.75	0.43	1.70
7052.00	90.710	337.920	5795.07	1073.20	230.78	-1699.65	17336821.71	14595519.62	40°11'18.095"N	80°38'50.243"W	1715.24	277.733	1.25	0.06	1.25
7144.00	90.710	336.410	5793.93	1164.26	315.56	-1735.35	17336886.02	14595604.37	40°11'18.934"N	80°38'50.698"W	1763.80	280.306	1.64	0.00	-1.64
7237.00	90.680	337.240	5792.80	1256.39	401.05	-1771.94	17338849.44	14595675.82	40°11'19.780"N	80°38'51.165"W	1816.76	282.753	0.89	-0.03	0.89
7330.00	90.740	337.170	5791.65	1348.43	486.78	-1807.97	17338813.42	14595775.52	40°11'20.629"N	80°38'51.625"W	1872.36	285.069	0.10	0.06	-0.08
7422.00	90.740	337.360	5790.46	1439.46	571.63	-1843.52	17338777.89	14595860.33	40°11'21.469"N	80°38'52.079"W	1930.11	287.227	0.21	0.00	0.21
7515.00	90.460	337.220	5789.49	1531.49	657.41	-1879.42	17338742.00	14595946.08	40°11'22.318"N	80°38'52.537"W	1991.09	289.280	0.34	-0.30	-0.15



Actual Wellpath Report

Barry Greathouse B BRK 1H AWP Proj: 16767'
Page 5 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	SOUTHWESTERN ENERGY	Slot	Slot #1H
Area	Brooke County, WV	Well	Barry Greathouse B BRK 1H
Field	Brooke	Wellbore	Barry Greathouse B BRK 1H AWB
Facility	Barry Greathouse B BRK Pad		

WELLPATH DATA (191 stations)

MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(US ft)	(US ft)			(ft)	(°)	(°/100ft)	(°/100ft)	(°/100ft)
7608.00	90.430	336.680	5788.761	1623.59	742.99	-1915.84	1738705.60	14596031.62	40°11'23.165"N	80°38'53.002"W	2054.86	291.197	0.58	-0.03	-0.58
7701.00	90.680	338.730	5787.86	1715.51	829.02	-1951.11	1738670.34	14596117.63	40°11'24.017"N	80°38'53.452"W	2119.94	293.021	2.22	0.27	2.20
7793.00	90.370	342.290	5787.02	1805.64	915.73	-1981.80	1738639.66	14596204.31	40°11'24.875"N	80°38'53.843"W	2183.14	294.800	3.88	-0.34	3.87
7886.00	90.520	342.030	5786.30	1896.20	1004.26	-2010.29	1738611.18	14596292.80	40°11'25.750"N	80°38'54.206"W	2247.18	296.545	0.32	0.16	-0.28
7979.00	90.830	338.520	5785.20	1987.38	1091.78	-2041.67	1738579.81	14596380.29	40°11'26.617"N	80°38'54.606"W	2315.26	298.136	3.79	0.33	-3.77
8072.00	91.020	340.390	5783.70	2078.82	1178.85	-2074.31	1738547.19	14596467.32	40°11'27.478"N	80°38'55.022"W	2385.88	299.610	2.02	0.20	2.01
8161.00	90.980	342.970	5782.15	2165.63	1263.32	-2102.27	1738519.23	14596551.76	40°11'28.314"N	80°38'55.378"W	2452.66	301.003	2.90	-0.04	2.90
8254.00	90.830	340.620	5780.68	2256.30	1351.65	-2131.32	1738490.20	14596640.05	40°11'29.188"N	80°38'55.748"W	2523.79	302.382	2.53	-0.16	-2.53
8347.00	90.650	339.150	5779.48	2347.62	1438.97	-2163.30	1738458.23	14596727.33	40°11'30.052"N	80°38'56.155"W	2598.17	303.631	1.59	-0.19	-1.58
8440.00	90.740	337.210	5778.35	2439.42	1525.29	-2197.87	1738423.68	14596813.63	40°11'30.907"N	80°38'56.596"W	2675.28	304.760	2.09	0.10	-2.09
8532.00	90.770	336.770	5777.14	2530.52	1609.97	-2233.83	1738387.73	14596898.27	40°11'31.745"N	80°38'57.055"W	2753.54	305.781	0.48	0.03	-0.48
8625.00	90.890	337.280	5775.79	2622.60	1695.58	-2270.12	1738351.45	14596983.85	40°11'32.592"N	80°38'57.519"W	2833.45	306.756	0.56	0.13	0.55
8718.00	90.860	337.900	5774.37	2714.54	1781.55	-2305.57	1738316.02	14597069.78	40°11'33.443"N	80°38'57.971"W	2913.69	307.694	0.67	-0.03	0.67
8811.00	90.740	333.980	5773.07	2806.83	1866.44	-2343.48	1738278.13	14597154.64	40°11'34.284"N	80°38'58.455"W	2995.91	308.535	4.22	-0.13	-4.22
8903.00	90.680	331.210	5771.93	2898.64	1948.10	-2385.82	1738235.80	14597236.27	40°11'35.092"N	80°38'58.997"W	3080.13	309.233	3.01	-0.07	-3.01
8996.00	90.710	330.670	5770.80	2991.57	2029.39	-2430.98	1738190.65	14597317.52	40°11'35.897"N	80°38'59.575"W	3166.72	309.855	0.58	0.03	-0.58
9089.00	90.950	334.200	5769.45	3084.38	2111.81	-2474.01	1738147.65	14597399.91	40°11'36.713"N	80°39'00.125"W	3252.76	310.484	3.80	0.26	3.80
9182.00	90.920	338.110	5767.94	3176.63	2196.84	-2511.59	1738110.08	14597484.91	40°11'37.555"N	80°39'00.605"W	3336.80	311.176	4.20	-0.03	4.20
9274.00	90.740	339.450	5766.60	3267.28	2282.60	-2544.89	1738076.79	14597570.63	40°11'38.404"N	80°39'01.029"W	3418.58	311.890	1.47	-0.20	1.46
9367.00	90.740	339.660	5765.40	3358.70	2369.73	-2577.37	1738044.32	14597657.57	40°11'39.266"N	80°39'01.444"W	3501.21	312.597	0.23	0.00	0.23
9460.00	90.770	335.000	5764.18	3450.68	2455.51	-2613.20	1738008.51	14597743.48	40°11'40.115"N	80°39'01.901"W	3585.86	313.218	5.01	0.03	-5.01
9552.00	90.680	333.670	5763.01	3542.28	2538.43	-2653.04	1737968.68	14597826.37	40°11'40.936"N	80°39'02.410"W	3671.82	313.735	1.45	-0.10	-1.45
9645.00	90.650	333.220	5761.93	3634.99	2621.61	-2694.62	1737927.12	14597909.52	40°11'41.760"N	80°39'02.942"W	3759.50	314.213	0.48	-0.03	-0.48
9738.00	90.710	333.820	5760.83	3727.69	2704.85	-2736.08	1737885.67	14597992.72	40°11'42.584"N	80°39'03.472"W	3847.38	314.671	0.65	0.06	0.65
9831.00	90.620	334.180	5759.75	3820.33	2788.43	-2776.85	1737844.92	14598076.27	40°11'43.411"N	80°39'03.993"W	3935.25	315.119	0.40	-0.10	0.39
9923.00	90.680	336.070	5758.70	3911.88	2871.55	-2816.16	1737805.52	14598159.36	40°11'44.232"N	80°39'04.497"W	4022.09	315.557	0.97	0.07	0.97
10016.00	90.800	335.010	5757.50	4004.27	2956.19	-2854.77	1737767.03	14598243.97	40°11'45.074"N	80°39'04.989"W	4109.60	316.000	1.02	0.13	1.01
10109.00	90.860	339.630	5756.16	4096.15	3042.29	-2898.87	1737731.94	14598330.93	40°11'45.924"N	80°39'05.437"W	4196.06	316.472	3.89	0.06	3.89
10202.00	90.860	341.840	5754.76	4187.19	3130.07	-2920.55	1737701.28	14598417.77	40°11'46.793"N	80°39'05.827"W	4281.00	316.983	2.38	0.00	2.38
10294.00	91.020	344.990	5753.25	4276.27	3218.21	-2946.81	1737675.03	14598505.89	40°11'47.665"N	80°39'06.161"W	4363.55	317.521	3.43	0.17	3.42



Actual Wellpath Report

Barry Greathouse B BRK 1H AWP Proj: 16767'

Page 6 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	SOUTHWESTERN ENERGY	Slot	Slot #1H
Area	Brooke County, WV	Well	Barry Greathouse B BRK 1H
Field	Brooke	Wellbore	Barry Greathouse B BRK 1H AWB
Facility	Barry Greathouse B BRK Pad		

WELLPATH DATA (191 stations)

MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(US ft)	(US ft)			(ft)	(°)	(°/100ft)	(°/100ft)	(°/100ft)
10387.00	91.080	345.360	5751.55	4365.57	3308.10	-2970.60	1737651.25	14598595.74	40°11'48.554"N	80°39'06.463"W	4446.12	318.077	0.40	0.06	0.40
10480.00	90.800	342.620	5750.02	4455.38	3397.48	-2966.24	1737625.62	14598685.08	40°11'49.438"N	80°39'06.789"W	4529.93	318.591	2.96	-0.30	-2.95
10569.00	91.230	342.200	5748.44	4541.94	3482.30	-3023.13	1737598.73	14598769.87	40°11'50.278"N	80°39'07.132"W	4611.48	319.037	0.68	0.48	-0.47
10662.00	90.830	338.770	5746.77	4633.05	3569.93	-3054.19	1737567.69	14598857.47	40°11'51.145"N	80°39'07.527"W	4698.14	319.452	3.71	-0.43	-3.69
10755.00	91.050	332.080	5745.24	4725.40	3654.45	-3092.94	1737529.05	14598941.95	40°11'51.982"N	80°39'08.021"W	4787.55	319.758	7.20	0.24	-7.19
10847.00	90.830	328.280	5743.73	4817.36	3734.24	-3138.58	1737483.34	14599021.71	40°11'52.772"N	80°39'08.607"W	4878.03	319.953	4.14	-0.24	-4.13
10940.00	90.830	329.150	5742.39	4910.34	3813.71	-3186.87	1737435.07	14599101.15	40°11'53.559"N	80°39'09.225"W	4969.96	320.117	0.94	0.00	0.94
11033.00	90.520	330.350	5741.29	5003.33	3894.04	-3233.71	1737388.24	14599181.45	40°11'54.355"N	80°39'09.824"W	5061.66	320.293	1.33	-0.33	1.29
11125.00	90.980	333.590	5740.09	5095.18	3975.23	-3276.94	1737345.03	14599262.61	40°11'55.159"N	80°39'10.377"W	5151.77	320.500	3.56	0.50	3.52
11218.00	90.860	332.620	5738.59	5187.93	4058.16	-3319.00	1737302.98	14599345.50	40°11'55.980"N	80°39'10.915"W	5242.56	320.722	1.05	-0.13	-1.04
11308.00	90.860	330.850	5737.24	5277.82	4137.41	-3361.61	1737260.39	14599424.73	40°11'56.765"N	80°39'11.460"W	5330.91	320.906	1.97	0.00	-1.97
11401.00	91.110	331.960	5735.64	5370.72	4219.06	-3406.12	1737215.90	14599506.34	40°11'57.573"N	80°39'12.030"W	5422.37	321.085	1.22	0.27	1.19
11493.00	90.580	334.190	5734.29	5462.47	4301.07	-3447.77	1737174.27	14599588.32	40°11'58.385"N	80°39'12.563"W	5512.38	321.284	2.49	-0.58	2.42
11586.00	90.800	337.520	5733.17	5554.78	4385.92	-3485.80	1737136.25	14599673.13	40°11'59.225"N	80°39'13.048"W	5602.42	321.523	3.59	0.24	3.58
11679.00	90.620	338.640	5732.01	5646.61	4472.18	-3520.52	1737101.55	14599759.37	40°12'00.079"N	80°39'13.491"W	5691.61	321.790	1.22	-0.19	1.20
11772.00	90.740	339.410	5730.91	5738.18	4559.02	-3553.80	1737068.27	14599846.16	40°12'00.938"N	80°39'13.916"W	5780.50	322.063	0.84	0.13	0.83
11864.00	90.580	341.070	5729.85	5828.41	4645.59	-3584.90	1737037.18	14599932.70	40°12'01.795"N	80°39'14.313"W	5867.97	322.343	1.81	-0.17	1.80
11957.00	90.430	341.160	5729.03	5919.34	4733.58	-3615.01	1737007.09	14600020.66	40°12'02.666"N	80°39'14.696"W	5956.09	322.631	0.19	-0.16	0.10
12046.00	90.280	340.470	5728.48	6006.45	4817.63	-3644.25	1736977.86	14600104.68	40°12'03.497"N	80°39'15.069"W	6040.71	322.895	0.79	-0.17	-0.78
12139.00	90.520	339.400	5727.83	6097.76	4904.99	-3676.16	1736945.97	14600192.00	40°12'04.362"N	80°39'15.475"W	6129.68	323.149	1.18	0.26	-1.15
12232.00	90.150	341.070	5727.29	6188.97	4992.50	-3707.60	1736914.53	14600279.48	40°12'05.228"N	80°39'15.876"W	6218.63	323.401	1.84	-0.40	1.80
12324.00	90.310	339.300	5726.92	6279.22	5079.05	-3738.79	1736883.36	14600366.00	40°12'06.084"N	80°39'16.274"W	6306.77	323.642	1.93	0.17	-1.92
12417.00	90.860	337.740	5725.97	6370.93	5165.59	-3772.84	1736849.32	14600452.50	40°12'06.941"N	80°39'16.708"W	6396.69	323.856	1.78	0.59	-1.68
12510.00	90.920	336.000	5724.52	6463.04	5251.10	-3809.37	1736812.81	14600537.97	40°12'07.787"N	80°39'17.175"W	6487.32	324.041	1.87	0.06	-1.87
12603.00	90.830	334.280	5723.10	6555.49	5335.47	-3848.46	1736773.73	14600622.31	40°12'08.622"N	80°39'17.674"W	6578.59	324.197	1.85	-0.10	-1.85
12695.00	90.890	333.340	5721.72	6647.15	5418.01	-3889.06	1736733.15	14600707.82	40°12'09.440"N	80°39'18.194"W	6669.30	324.329	1.02	0.07	-1.02
12788.00	90.800	331.460	5720.35	6739.98	5500.41	-3932.91	1736690.09	14600784.19	40°12'10.256"N	80°39'18.745"W	6761.38	324.440	2.02	-0.10	-2.02
12881.00	90.950	334.050	5718.93	6832.76	5583.08	-3974.70	1736647.54	14600869.83	40°12'11.074"N	80°39'19.289"W	6853.40	324.552	2.79	0.16	2.78
12974.00	90.980	334.770	5717.36	6925.33	5666.94	-4014.87	1736607.39	14600953.66	40°12'11.904"N	80°39'19.802"W	6945.03	324.684	0.77	0.03	0.77
13066.00	90.650	333.370	5716.05	7016.96	5749.67	-4055.09	1736567.18	14601036.36	40°12'12.723"N	80°39'20.317"W	7035.80	324.806	1.56	-0.36	-1.52



Actual Wellpath Report

Barry Greathouse B BRK 1H AWP Proj: 16767'
Page 7 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	SOUTHWESTERN ENERGY	Slot	Slot #1H
Area	Brooke County, WV	Well	Barry Greathouse B BRK 1H
Field	Brooke	Wellbore	Barry Greathouse B BRK 1H AWP
Facility	Barry Greathouse B BRK Pad		

WELLPATH DATA (191 stations)

MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(US ft)	(US ft)			(ft)	(°)	(°/100ft)	(°/100ft)	(°/100ft)
13155.00	90.710	331.330	5714.951	7109.791	5832.041	-4098.241	1736524.041	1460118.691	40°12'13.539"N	80°39'20.869"W	7128.001	324.9041	2.191	0.061	-2.191
13252.00	90.710	330.310	5713.801	7202.731	5913.231	-4143.581	1736478.721	1460118.985	40°12'14.343"N	80°39'21.449"W	7220.501	324.9801	1.101	0.001	-1.101
13345.00	90.650	330.430	5712.691	7295.701	5994.061	-4189.561	1736432.771	14601280.651	40°12'15.144"N	80°39'22.038"W	7313.091	325.0481	0.141	-0.061	0.131
13437.00	90.740	336.130	5711.581	7387.401	6076.201	-4230.901	1736391.441	14601346.761	40°12'15.957"N	80°39'22.566"W	7404.111	325.1501	6.201	0.101	6.201
13528.00	90.650	339.030	5710.471	7477.361	6160.311	-4295.671	1736356.751	14601448.931	40°12'16.789"N	80°39'23.009"W	7492.981	325.3001	3.191	-0.101	3.191
13618.00	90.650	336.070	5709.451	7566.351	6243.471	-4333.471	1736322.401	14601529.861	40°12'17.613"N	80°39'23.448"W	7580.941	325.4441	3.291	0.001	-3.291
13708.00	90.460	340.210	5708.581	7655.181	6326.981	-4333.471	1736288.911	14601613.441	40°12'18.439"N	80°39'23.876"W	7668.741	325.5921	4.601	-0.211	4.601
13798.00	90.430	343.710	5707.881	7742.871	6412.541	-4361.341	1736261.061	14601698.961	40°12'19.286"N	80°39'24.231"W	7755.121	325.7791	3.891	-0.031	3.891
13890.00	90.430	343.140	5707.191	7831.971	6500.711	-4387.581	1736234.821	14601787.101	40°12'20.158"N	80°39'24.564"W	7842.841	325.9831	0.621	0.001	-0.621
13983.00	90.180	342.350	5706.701	7922.301	6589.521	-4415.171	1736207.251	14601875.881	40°12'21.037"N	80°39'24.916"W	7931.931	326.1771	0.891	-0.271	-0.851
14076.00	90.520	343.510	5706.131	8012.571	6678.421	-4442.461	1736179.961	14601964.751	40°12'21.916"N	80°39'25.263"W	8021.021	326.3681	1.301	0.371	1.251
14166.00	90.520	342.930	5705.311	8099.801	6764.591	-4468.451	1736153.991	14602050.881	40°12'22.769"N	80°39'25.593"W	8107.201	326.5531	0.641	0.001	-0.641
14258.00	91.050	338.170	5704.051	8189.911	6851.301	-4499.071	1736123.381	14602137.561	40°12'23.627"N	80°39'25.984"W	8196.461	326.7081	5.211	0.581	-5.171
14351.00	90.550	334.570	5702.751	8282.111	6936.481	-4536.341	1736086.121	14602222.701	40°12'24.470"N	80°39'26.460"W	8288.131	326.8161	3.911	-0.541	-3.871
14444.00	90.120	332.170	5702.211	8374.831	7019.611	-4578.021	1736044.461	14602305.801	40°12'25.293"N	80°39'26.993"W	8380.521	326.8891	2.621	-0.461	-2.581
14537.00	90.180	332.360	5701.961	8467.681	7101.931	-4621.301	1736001.201	14602388.081	40°12'26.108"N	80°39'27.547"W	8473.121	326.9481	0.211	0.061	0.201
14629.00	90.120	332.700	5701.721	8559.511	7183.551	-4663.731	1735958.771	14602469.681	40°12'26.916"N	80°39'28.090"W	8564.691	327.0071	0.381	-0.071	0.371
14722.00	90.520	332.790	5701.201	8652.311	7266.231	-4706.321	1735916.201	14602552.321	40°12'27.735"N	80°39'28.634"W	8657.221	327.0691	0.441	0.431	0.101
14815.00	90.770	332.950	5700.161	8745.091	7348.991	-4748.731	1735873.811	14602635.051	40°12'28.554"N	80°39'29.177"W	8749.751	327.1301	0.321	0.271	0.171
14907.00	90.620	336.500	5699.041	8836.611	7432.161	-4788.001	1735834.561	14602718.191	40°12'29.378"N	80°39'29.679"W	8840.931	327.2091	3.861	-0.161	3.861
15000.00	90.830	337.450	5697.861	8928.701	7517.751	-4824.371	1735798.201	14602803.741	40°12'30.225"N	80°39'30.143"W	8932.581	327.3101	1.051	0.231	1.021
15093.00	90.710	330.470	5696.611	9021.291	7601.251	-4865.171	1735757.421	14602887.211	40°12'31.051"N	80°39'30.665"W	9024.901	327.3791	7.511	-0.131	-7.511
15186.00	90.980	329.060	5695.241	9114.271	7681.581	-4911.991	1735710.611	14602967.511	40°12'31.847"N	80°39'31.265"W	9117.811	327.4031	1.541	0.291	-1.521
15278.00	91.140	337.480	5693.531	9205.911	7763.661	-4953.331	1735669.291	14603049.561	40°12'32.660"N	80°39'31.793"W	9209.231	327.4621	9.151	0.171	9.151
15371.00	90.860	340.430	5691.911	9297.491	7850.441	-4986.721	1735635.921	14603136.301	40°12'33.519"N	80°39'32.219"W	9300.361	327.5761	3.191	-0.301	3.171
15464.00	90.860	340.810	5690.521	9388.571	7938.161	-5017.581	1735605.071	14603212.991	40°12'34.387"N	80°39'32.613"W	9390.981	327.7041	0.411	0.001	0.411
15556.00	90.550	338.800	5689.381	9478.931	8024.491	-5049.511	1735573.331	14603310.291	40°12'35.241"N	80°39'33.018"W	9480.941	327.8201	2.211	-0.341	-2.181
15649.00	90.620	336.740	5688.431	9570.831	8110.571	-5084.331	1735538.161	14603396.331	40°12'36.093"N	80°39'33.467"W	9572.541	327.9161	2.221	0.081	-2.221
15742.00	90.490	337.210	5687.531	9662.931	8196.161	-5120.891	1735501.801	14603481.881	40°12'36.940"N	80°39'33.932"W	9664.391	328.0031	0.521	-0.141	0.511
15835.00	90.000	339.060	5687.141	9754.741	8282.461	-5155.521	1735467.181	14603568.161	40°12'37.794"N	80°39'34.374"W	9755.951	328.0991	2.061	-0.531	-1.991



REFERENCE WELLPATH IDENTIFICATION

Operator	SOUTHWESTERN ENERGY	Slot	Slot #1H
Area	Brooke County, WV	Well	Barry Greathouse B BRK 1H
Field	Brooke	Wellbore	Barry Greathouse B BRK 1H AWP
Facility	Barry Greathouse B BRK Pad		

WELLPATH DATA (191 stations)

MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]
15927.00	90.680	341.360	5686.59	9844.98	8369.02	-5186.66	1735436.05	14603654.68	40°12'38.65"N	80°39'34.77"W	9845.91	328.212	2.61	0.74	2.50
16020.00	90.710	341.710	5685.46	9935.76	8457.23	-5216.12	1735406.61	14603742.85	40°12'39.52"N	80°39'35.146"W	9936.43	328.335	0.38	0.03	0.38
16113.00	90.860	338.500	5684.19	10026.99	8544.66	-5247.76	1735374.98	14603830.25	40°12'40.389"N	80°39'35.550"W	10027.47	328.444	3.46	0.16	-3.45
16206.00	90.620	337.230	5682.99	10118.87	8630.79	-5282.80	1735339.95	14603916.35	40°12'41.241"N	80°39'35.997"W	10119.21	328.530	1.39	-0.26	-1.37
16298.00	90.680	338.460	5681.94	10209.77	8715.99	-5317.49	1735305.28	14604001.52	40°12'42.084"N	80°39'36.440"W	10210.00	328.613	1.34	0.07	1.34
16391.00	90.400	338.510	5681.07	10301.50	8802.51	-5351.59	1735271.18	14604088.00	40°12'42.941"N	80°39'36.875"W	10301.64	328.702	0.31	-0.30	0.05
16483.00	90.340	337.440	5680.47	10392.37	8887.79	-5386.09	1735236.70	14604173.25	40°12'43.785"N	80°39'37.316"W	10392.44	328.784	1.16	-0.07	-1.16
16576.00	90.340	335.310	5679.92	10484.59	8972.99	-5423.36	1735199.45	14604258.42	40°12'44.628"N	80°39'37.792"W	10484.63	328.851	2.29	0.00	-2.29
16669.00	90.370	334.030	5679.34	10577.13	9057.05	-5463.15	1735159.67	14604342.44	40°12'45.480"N	80°39'38.301"W	10577.15	328.902	1.38	0.03	-1.38
16744.00	90.340	334.780	5678.88	10651.80	9124.68	-5495.55	1735127.29	14604410.05	40°12'46.130"N	80°39'38.715"W	10651.80	328.941	1.00	-0.04	1.00
16767.00	90.340	334.780	5678.74	10674.68	9145.49	-5505.35	1735117.49	14604430.85	40°12'46.336"N	80°39'38.840"W	10674.68	328.953	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: Barry Greathouse B BRK 1H AWP Ref Wellpath: Barry Greathouse B BRK 1H AWP Proj: 16767'

String/Diameter	Start MD	End MD	Interval	Start TVD	End TVD	Start N/S	Start E/W	End N/S	End E/W
	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]
17.5in Open Hole	26.00	381.00	355.00	26.00	381.00	0.00	0.00	0.80	1.09
13.375in Casing Surface	26.00	381.00	355.00	26.00	381.00	0.00	0.00	0.80	1.09
12.25in Open Hole	381.00	1629.00	1248.00	381.00	1622.73	0.80	1.09	-85.81	63.02
9.625in Casing Intermediate	26.00	1629.00	1603.00	26.00	1622.73	0.00	0.00	-85.81	63.02
8.75in Open Hole	1629.00	5465.00	3836.00	1622.73	5178.45	-85.81	63.02	-852.70	-1004.64
8.5in Open Hole	5465.00	16767.00	11302.00	5178.45	5678.74	-852.70	-1004.64	9145.49	-5505.35
5.5in Casing Production	26.00	16767.00	16741.00	26.00	5678.74	0.00	0.00	9145.49	-5505.35

Actual Wellpath Report

Barry Greathouse B BRK 1H AWP Proj: 16767'
Page 9 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	SOUTHWESTERN ENERGY	Slot	Slot #1H
Area	Brooke County, WV	Well	Barry Greathouse B BRK 1H
Field	Brooke	Wellbore	Barry Greathouse B BRK 1H AWB
Facility	Barry Greathouse B BRK Pad		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Barry Greathouse B BRK 1H BHL Rev-5	5689.49	9150.36	-5497.30	1735125.54	14604435.72	40°12'46.384"N	80°39'38.736"W	point
Barry Greathouse B BRK 1H LP Rev-5	5796.00	-216.51	-1467.06	1739154.20	14595072.50	40°11'13.666"N	80°38'47.269"W	point

WELLPATH COMPOSITION - Ref Wellbore: Barry Greathouse B BRK 1H AWB Ret Wellpath: Barry Greathouse B BRK 1H AWP Proj: 16767'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
26.00	310.00	OWSG MWD rev2 + HRGM	01_Premier MWD <17'-1/2">(157'-310')	Barry Greathouse B BRK 1H AWB
310.00	1575.00	OWSG MWD rev2 + HRGM	02_Premier MWD <12-1/4">(310')(433'-1575')	Barry Greathouse B BRK 1H AWB
1575.00	5460.00	OWSG MWD rev2 + HRGM	03_Premier MWD <8-3/4">(1575')(1555'-5460')	Barry Greathouse B BRK 1H AWB
5460.00	16744.00	BHI AutoTrak Curve (Short)	04_BH AT Curve <8-1/2">(5460')(5527'-16744')	Barry Greathouse B BRK 1H AWB
16744.00	16767.00	Blind Drilling (std)	Projection to bit	Barry Greathouse B BRK 1H AWB

REFERENCE WELLPATH IDENTIFICATION

Operator	SOUTHWESTERN ENERGY	Slot	Slot #1H
Area	Brooke County, WV	Well	Barry Greathouse B BRK 1H
Field	Brooke	Wellbore	Barry Greathouse B BRK 1H AWP
Facility	Barry Greathouse B BRK Pad		

COMMENTS

Wellpath general comments
 API: 47-009-00269-0000
 BH Job #: 109706448
 Rig: SDC 40
 Duration: 03/15/2019 - 03/18/2019