



# Actual Wellpath Report

Taylor B 3H AWP Proj: 15873'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #03
Area	Marshall County, WV	Well	Taylor B 3H
Field	Marshall County	Wellbore	Taylor B 3H AWB
Facility	Taylor B Pad		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 5.1
North Reference	True	User	Delaset
Scale	0.999949	Report Generated	31/Oct/2017 at 14:15
Convergence at slot	0.76° West	Database/Source file	WA_MPL_EasternUS_Defn/Taylor_B_3H_AWP_Proj_15873_.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-12.46	25.97	1634990.82	496422.94	39°51'24.749"N	80°41'16.908"W
Facility Reference Pt			1634965.02	496435.74	39°51'24.872"N	80°41'17.241"W
Field Reference Pt			1644569.15	516963.83	39°54'48.972"N	80°39'17.476"W

## WELLPATH DATUM

Calculation method	Minimum curvature	Precision 560 (RKB) to Facility Vertical Datum	25.00ft
Horizontal Reference Pt	Slot	Precision 560 (RKB) to Mean Sea Level	1235.00ft
Vertical Reference Pt	Precision 560 (RKB)	Precision 560 (RKB) to Mud Line at Slot (Slot #03)	25.00ft
MD Reference Pt	Precision 560 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	320.26°

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WELLPATH DATA (229 stations) † = interpolated/extrapolated station																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
0.00	0.000	209.610	0.00	0.00	0.00	0.00	1634990.82	496422.94	39°51'24.749"N	80°41'16.908"W	0.00	0.000	0.00	0.00	0.00	
25.00	0.000	209.610	25.00	0.00	0.00	0.00	1634990.82	496422.94	39°51'24.749"N	80°41'16.908"W	0.00	0.000	0.00	0.00	0.00	
58.33	0.470	209.610	58.33	-0.05	-0.12	-0.07	1634990.75	496422.82	39°51'24.748"N	80°41'16.909"W	0.14	209.610	1.41	1.41	-451.22	Gyrodata MS Gyro <17-1/2">(50'-504')
83.33	0.540	216.430	83.33	-0.11	-0.30	-0.19	1634990.63	496422.64	39°51'24.746"N	80°41'16.911"W	0.36	211.859	0.37	0.28	27.28	
108.33	0.560	223.060	108.33	-0.16	-0.49	-0.34	1634990.47	496422.46	39°51'24.744"N	80°41'16.913"W	0.59	215.052	0.27	0.08	26.52	
133.33	0.730	224.190	133.33	-0.19	-0.69	-0.54	1634990.27	496422.26	39°51'24.742"N	80°41'16.915"W	0.87	217.827	0.68	0.68	4.52	
158.33	0.930	232.700	158.32	-0.20	-0.93	-0.81	1634990.00	496422.02	39°51'24.740"N	80°41'16.919"W	1.23	221.076	0.94	0.80	34.04	
183.33	1.100	235.260	183.32	-0.17	-1.19	-1.17	1634989.64	496421.77	39°51'24.737"N	80°41'16.923"W	1.66	224.509	0.70	0.68	10.24	
208.33	1.130	238.770	208.31	-0.11	-1.45	-1.57	1634989.23	496421.51	39°51'24.735"N	80°41'16.929"W	2.14	227.332	0.30	0.12	14.04	
233.33	1.110	236.050	233.31	-0.05	-1.71	-1.99	1634988.81	496421.25	39°51'24.732"N	80°41'16.934"W	2.62	229.201	0.23	-0.08	-10.88	
258.33	1.000	234.100	258.31	-0.01	-1.98	-2.36	1634988.43	496420.99	39°51'24.729"N	80°41'16.939"W	3.08	230.084	0.46	-0.44	-7.80	
283.33	0.830	233.950	283.30	0.02	-2.21	-2.69	1634988.10	496420.76	39°51'24.727"N	80°41'16.943"W	3.48	230.536	0.68	-0.68	-0.60	
308.33	0.630	233.130	308.30	0.04	-2.40	-2.94	1634987.85	496420.58	39°51'24.725"N	80°41'16.946"W	3.80	230.793	0.80	-0.80	-3.28	
333.33	0.650	244.230	333.30	0.08	-2.55	-3.18	1634987.61	496420.44	39°51'24.724"N	80°41'16.949"W	4.07	231.335	0.50	0.08	44.40	
358.33	0.770	249.620	358.30	0.17	-2.67	-3.47	1634987.32	496420.32	39°51'24.723"N	80°41'16.953"W	4.37	232.440	0.55	0.48	21.58	
383.33	0.730	255.510	383.29	0.29	-2.76	-3.78	1634987.01	496420.23	39°51'24.722"N	80°41'16.957"W	4.68	233.812	0.35	-0.16	23.56	
408.33	0.610	260.930	408.29	0.43	-2.82	-4.06	1634986.72	496420.17	39°51'24.721"N	80°41'16.960"W	4.95	235.196	0.54	-0.48	21.68	
433.33	0.460	267.580	433.29	0.55	-2.85	-4.30	1634986.49	496420.15	39°51'24.721"N	80°41'16.963"W	5.15	236.435	0.65	-0.60	26.60	
458.33	0.380	266.230	458.29	0.66	-2.86	-4.48	1634986.30	496420.14	39°51'24.721"N	80°41'16.966"W	5.31	237.439	0.32	-0.32	-5.40	
483.33	0.430	259.660	483.29	0.76	-2.88	-4.65	1634985.13	496420.12	39°51'24.720"N	80°41'16.968"W	5.47	238.229	0.27	0.20	-26.28	
508.33	0.370	246.620	508.29	0.83	-2.93	-4.82	1634985.96	496420.07	39°51'24.720"N	80°41'16.970"W	5.64	238.696	0.43	-0.24	-52.16	
512.33	0.360	242.650	512.29	0.83	-2.94	-4.84	1634985.94	496420.06	39°51'24.720"N	80°41'16.970"W	5.67	238.723	0.68	-0.25	-99.25	
608.33	0.390	263.070	608.29	1.08	-3.12	-5.44	1634985.34	496419.89	39°51'24.718"N	80°41'16.978"W	6.27	240.144	0.14	0.03	21.27	APS EM <12-1/4">(504')(600'-2172')
629.33	0.260	258.260	629.29	1.14	-3.14	-5.55	1634985.23	496419.88	39°51'24.718"N	80°41'16.980"W	6.38	240.527	0.63	-0.62	-22.90	
660.33	0.200	287.630	660.29	1.22	-3.14	-5.67	1634985.11	496419.88	39°51'24.718"N	80°41'16.981"W	6.48	241.067	0.42	-0.19	94.74	
692.33	0.200	41.480	692.29	1.27	-3.08	-5.69	1634985.09	496419.94	39°51'24.718"N	80°41'16.981"W	6.47	241.592	1.05	0.00	355.78	
723.33	0.330	57.830	723.29	1.27	-2.99	-5.58	1634985.20	496420.02	39°51'24.719"N	80°41'16.980"W	6.33	241.813	0.48	0.42	52.74	
754.33	0.380	34.810	754.29	1.28	-2.86	-5.44	1634985.34	496420.16	39°51'24.721"N	80°41'16.978"W	6.15	242.306	0.48	0.16	-74.26	
785.33	0.380	56.090	785.29	1.30	-2.72	-5.30	1634985.49	496420.29	39°51'24.722"N	80°41'16.976"W	5.95	242.870	0.45	0.00	68.65	
816.33	0.510	56.990	816.28	1.27	-2.58	-5.10	1634985.69	496420.42	39°51'24.723"N	80°41'16.974"W	5.72	243.133	0.42	0.42	2.90	

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Area	Marshall County, WV	Well	Taylor B 3H
Field	Marshall County	Wellbore	Taylor B 3H AWP
Facility	Taylor B Pad		

## WELLPATH DATA (229 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
847.33	0.680	45.600	847.28	1.27	-2.38	-4.85	1634985.94	496420.63	39°51'24.725"N	80°41'16.971"W	5.40	243.877	0.67	0.55	-36.74	
879.33	0.970	45.860	879.28	1.31	-2.06	-4.52	1634986.27	496420.94	39°51'24.729"N	80°41'16.966"W	4.97	245.531	0.91	0.91	0.81	
910.33	1.440	42.210	910.27	1.38	-1.59	-4.07	1634986.73	496421.41	39°51'24.733"N	80°41'16.961"W	4.37	248.712	1.54	1.52	-11.77	
941.33	1.750	40.360	941.26	1.52	-0.94	-3.50	1634987.30	496422.05	39°51'24.740"N	80°41'16.953"W	3.63	255.023	1.01	1.00	-5.97	
972.33	2.150	37.440	972.24	1.73	-0.11	-2.84	1634987.98	496422.86	39°51'24.748"N	80°41'16.945"W	2.85	267.685	1.33	1.29	-9.42	
1003.33	2.720	34.830	1003.21	2.05	0.95	-2.07	1634988.76	496423.92	39°51'24.758"N	80°41'16.935"W	2.28	294.673	1.87	1.84	-8.42	
1034.33	3.340	31.960	1034.17	2.53	2.32	-1.17	1634989.68	496425.28	39°51'24.772"N	80°41'16.923"W	2.60	333.217	2.06	2.00	-9.26	
1066.33	4.010	29.200	1066.11	3.23	4.09	-0.13	1634990.74	496427.03	39°51'24.789"N	80°41'16.910"W	4.09	358.149	2.16	2.09	-8.62	
1097.33	4.460	30.660	1097.02	4.02	6.07	1.01	1634991.91	496429.00	39°51'24.809"N	80°41'16.895"W	6.15	9.457	1.49	1.45	-4.71	
1128.33	4.730	29.830	1127.92	4.87	8.22	2.26	1634993.19	496431.13	39°51'24.830"N	80°41'16.879"W	8.52	15.390	0.90	0.87	-2.68	
1160.33	4.790	27.770	1159.81	5.84	10.54	3.54	1634994.50	496433.44	39°51'24.853"N	80°41'16.863"W	11.12	18.562	0.57	0.19	-6.44	
1191.33	4.830	25.880	1190.70	6.88	12.86	4.71	1634995.70	496435.74	39°51'24.876"N	80°41'16.848"W	13.70	20.124	0.53	0.13	-6.10	
1222.33	4.880	25.420	1221.59	7.97	15.23	5.85	1634996.87	496438.09	39°51'24.899"N	80°41'16.833"W	16.31	21.011	0.20	0.16	-1.48	
1253.33	5.030	24.250	1252.47	9.12	17.66	6.97	1634998.03	496440.50	39°51'24.923"N	80°41'16.819"W	18.99	21.549	0.58	0.48	-3.77	
1284.33	5.380	21.860	1283.35	10.41	20.25	8.07	1634999.16	496443.08	39°51'24.949"N	80°41'16.805"W	21.80	21.738	1.33	1.13	-7.71	
1315.33	5.300	24.620	1314.21	11.72	22.90	9.21	1635000.33	496445.71	39°51'24.975"N	80°41'16.790"W	24.68	21.912	0.87	-0.26	8.90	
1346.33	5.060	31.350	1345.09	12.78	25.37	10.52	1635001.67	496448.16	39°51'25.000"N	80°41'16.774"W	27.46	22.521	2.11	-0.77	21.71	
1377.33	5.190	33.660	1375.96	13.62	27.70	12.01	1635003.19	496450.48	39°51'25.023"N	80°41'16.754"W	30.19	23.433	0.79	0.42	7.45	
1409.33	4.860	34.220	1407.84	14.41	30.03	13.57	1635004.79	496452.78	39°51'25.046"N	80°41'16.734"W	32.95	24.321	1.04	-1.03	1.75	
1440.33	4.080	33.270	1438.74	15.10	32.03	14.91	1635006.16	496454.77	39°51'25.065"N	80°41'16.717"W	35.34	24.986	2.53	-2.52	-3.06	
1471.33	3.780	32.230	1469.67	15.74	33.82	16.06	1635007.33	496456.54	39°51'25.083"N	80°41'16.702"W	37.44	25.407	0.99	-0.97	-3.35	
1502.33	3.800	31.590	1500.60	16.38	35.56	17.15	1635008.43	496458.27	39°51'25.100"N	80°41'16.689"W	39.48	25.744	0.15	0.06	-2.06	
1533.33	3.870	31.780	1531.53	17.04	37.32	18.24	1635009.55	496460.02	39°51'25.118"N	80°41'16.675"W	41.54	26.040	0.23	0.23	0.61	
1564.33	3.900	30.790	1562.46	17.72	39.12	19.33	1635010.66	496461.80	39°51'25.135"N	80°41'16.661"W	43.63	26.292	0.24	0.10	-3.19	
1596.33	3.970	30.210	1594.39	18.47	41.01	20.44	1635011.80	496463.67	39°51'25.154"N	80°41'16.646"W	45.82	26.493	0.25	0.22	-1.81	
1627.33	4.030	30.270	1625.31	19.21	42.88	21.53	1635012.91	496465.53	39°51'25.173"N	80°41'16.632"W	47.98	26.662	0.19	0.19	0.19	
1658.33	4.160	34.390	1656.23	19.89	44.75	22.71	1635014.12	496467.38	39°51'25.191"N	80°41'16.617"W	50.18	26.913	1.04	0.42	13.29	
1689.33	4.170	29.570	1687.15	20.59	46.66	23.91	1635015.34	496469.27	39°51'25.210"N	80°41'16.602"W	52.42	27.130	1.13	0.03	-15.55	
1720.33	4.370	28.210	1718.06	21.43	48.68	25.02	1635016.48	496471.28	39°51'25.230"N	80°41'16.588"W	54.73	27.203	0.72	0.65	-4.39	
1752.33	4.250	26.390	1749.97	22.37	50.81	26.12	1635017.61	496473.40	39°51'25.251"N	80°41'16.573"W	57.14	27.208	0.57	-0.37	-5.69	

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1783.33	3.420	20.410	1780.90	23.30	52.71	26.96	1635018.47	496475.29	39°51'25.270"N	80°41'16.563"W	59.20	27.086	2.97	-2.68	-19.29	
1814.33	3.100	14.770	1811.85	24.24	54.39	27.49	1635019.03	496476.96	39°51'25.286"N	80°41'16.556"W	60.94	26.817	1.46	-1.03	-18.19	
1845.33	3.080	10.620	1842.81	25.26	56.02	27.86	1635019.42	496478.58	39°51'25.302"N	80°41'16.551"W	62.56	26.444	0.72	-0.06	-13.39	
1876.33	3.270	8.070	1873.76	26.39	57.71	28.14	1635019.72	496480.27	39°51'25.319"N	80°41'16.548"W	64.20	25.993	0.76	0.61	-8.23	
1907.33	3.190	11.590	1904.71	27.52	59.43	28.44	1635020.04	496481.99	39°51'25.336"N	80°41'16.544"W	65.88	25.570	0.69	-0.26	-11.35	
1938.33	2.670	18.700	1935.67	28.44	60.96	28.84	1635020.46	496483.51	39°51'25.351"N	80°41'16.539"W	67.44	25.319	2.04	-1.68	22.94	
1969.33	2.250	23.330	1966.64	29.09	62.20	29.31	1635020.95	496484.74	39°51'25.364"N	80°41'16.533"W	68.76	25.232	1.50	-1.35	14.94	
2001.33	1.830	26.580	1998.62	29.58	63.24	29.79	1635021.44	496485.77	39°51'25.374"N	80°41'16.526"W	69.90	25.225	1.36	-1.31	10.16	
2063.33	1.700	29.920	2060.59	30.30	64.92	30.69	1635022.37	496487.44	39°51'25.390"N	80°41'16.515"W	71.81	25.304	0.27	-0.21	5.39	
2125.33	1.510	33.190	2122.57	30.86	66.40	31.60	1635023.29	496488.91	39°51'25.405"N	80°41'16.503"W	73.53	25.449	0.34	-0.31	5.27	
2180.33	0.440	49.010	2177.56	31.07	67.14	32.15	1635023.86	496489.65	39°51'25.412"N	80°41'16.496"W	74.44	25.589	1.99	-1.95	28.76	
2267.00	0.480	148.680	2264.23	30.72	67.05	32.59	1635024.30	496489.55	39°51'25.412"N	80°41'16.490"W	74.55	25.924	0.81	0.05	115.00	BHI NaviTrak IFR Axial <8-1/2"> (2180.33')(2267'-4030')
2327.00	0.220	299.770	2324.23	30.58	66.89	32.62	1635024.32	496489.39	39°51'25.410"N	80°41'16.490"W	74.43	25.998	1.13	-0.43	251.82	
2371.00	1.330	311.650	2368.22	31.17	67.28	32.17	1635023.87	496489.78	39°51'25.414"N	80°41'16.496"W	74.57	25.556	2.54	2.52	27.00	
2416.00	2.430	316.430	2413.20	32.63	68.31	31.12	1635022.84	496490.83	39°51'25.424"N	80°41'16.509"W	75.07	24.492	2.47	2.44	10.62	
2461.00	3.810	317.440	2458.13	35.08	70.11	29.45	1635021.20	496492.65	39°51'25.442"N	80°41'16.531"W	76.04	22.788	3.07	3.07	2.24	
2506.00	4.780	324.080	2503.00	38.44	72.73	27.34	1635019.12	496495.29	39°51'25.468"N	80°41'16.558"W	77.70	20.604	2.42	2.16	14.76	
2551.00	4.700	326.240	2547.85	42.15	75.78	25.22	1635017.04	496498.37	39°51'25.498"N	80°41'16.585"W	79.86	18.406	0.43	-0.18	4.80	
2595.00	5.080	328.780	2591.69	45.87	78.94	23.21	1635015.07	496501.56	39°51'25.529"N	80°41'16.611"W	82.28	16.381	0.99	0.86	5.77	
2685.00	4.350	330.370	2681.39	53.17	85.32	19.45	1635011.40	496507.99	39°51'25.592"N	80°41'16.659"W	87.51	12.844	0.82	-0.81	1.77	
2775.00	4.020	326.750	2771.15	59.66	90.92	16.04	1635008.06	496513.64	39°51'25.647"N	80°41'16.703"W	92.32	10.002	0.47	-0.37	-4.02	
2865.00	5.290	331.690	2860.85	66.86	97.21	12.34	1635004.44	496519.98	39°51'25.710"N	80°41'16.750"W	97.99	7.233	1.48	1.41	5.49	
2954.00	5.870	342.220	2949.43	75.11	105.16	9.00	1635001.21	496527.96	39°51'25.788"N	80°41'16.793"W	105.54	4.893	1.32	0.65	11.83	
3044.00	4.200	353.150	3039.08	82.14	112.81	7.20	1634999.51	496535.64	39°51'25.864"N	80°41'16.816"W	113.04	3.654	2.13	-1.86	12.14	
3134.00	2.200	349.700	3128.93	86.42	117.79	6.50	1634998.88	496540.62	39°51'25.913"N	80°41'16.825"W	117.97	3.159	2.23	-2.22	-3.83	
3224.00	1.340	359.290	3218.89	88.74	120.54	6.18	1634998.59	496543.38	39°51'25.940"N	80°41'16.829"W	120.70	2.935	1.01	-0.96	10.66	
3313.00	0.910	9.720	3307.87	90.00	122.27	6.29	1634998.72	496545.11	39°51'25.957"N	80°41'16.828"W	122.44	2.943	0.53	-0.48	11.72	
3403.00	0.900	345.760	3397.86	91.11	123.66	6.23	1634998.69	496546.50	39°51'25.971"N	80°41'16.828"W	123.82	2.885	0.42	-0.01	-26.62	
3492.00	0.670	350.860	3486.85	92.19	124.86	5.98	1634998.45	496547.70	39°51'25.983"N	80°41'16.832"W	125.00	2.741	0.27	-0.26	5.73	
3582.00	0.690	327.310	3576.85	93.18	125.83	5.60	1634998.09	496548.68	39°51'25.992"N	80°41'16.837"W	125.96	2.549	0.31	0.02	-26.17	

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# Actual Wellpath Report

Taylor B 3H AWP Proj: 15873'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #03
Area	Marshall County, WV	Well	Taylor B 3H
Field	Marshall County	Wellbore	Taylor B 3H AWP
Facility	Taylor B Pad		

## WELLPATH DATA (229 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
3672.00	0.800	315.380	3666.84	94.34	126.73	4.87	1634997.36	496549.59	39°51'26.001"N	80°41'16.846"W	126.83	2.200	0.21	0.12	-13.26	
3762.00	0.720	310.910	3756.83	95.52	127.55	4.00	1634996.51	496550.42	39°51'26.009"N	80°41'16.857"W	127.61	1.796	0.11	-0.09	-4.97	
3851.00	0.620	326.680	3845.83	96.55	128.32	3.31	1634995.83	496551.20	39°51'26.017"N	80°41'16.866"W	128.36	1.479	0.23	-0.11	17.72	
3941.00	0.090	3.930	3935.82	97.09	128.80	3.05	1634995.57	496551.68	39°51'26.022"N	80°41'16.869"W	128.83	1.356	0.61	-0.59	41.39	
4030.00	0.250	62.280	4024.82	97.10	128.96	-3.23	1634995.75	496551.84	39°51'26.023"N	80°41'16.867"W	129.00	1.433	0.24	0.18	65.56	
4120.00	0.400	301.220	4114.82	97.36	129.21	3.13	1634995.66	496552.09	39°51'26.026"N	80°41'16.868"W	129.25	1.388	0.63	0.17	-134.51	BHI NaviTrak IFR <8-1/2"> (4030)(4120'-5375')
4210.00	0.250	331.910	4204.82	97.85	129.55	2.77	1634995.30	496552.43	39°51'26.029"N	80°41'16.873"W	129.58	1.225	0.25	-0.17	34.10	
4299.00	0.260	348.720	4293.82	98.21	129.92	2.64	1634995.18	496552.80	39°51'26.033"N	80°41'16.875"W	129.94	1.164	0.08	0.01	18.89	
4389.00	0.220	298.140	4383.82	98.55	130.20	2.45	1634994.99	496553.09	39°51'26.036"N	80°41'16.877"W	130.22	1.077	0.23	-0.04	-56.20	
4479.00	0.440	281.130	4473.82	98.98	130.35	1.96	1634994.60	496553.24	39°51'26.037"N	80°41'16.883"W	130.36	0.860	0.26	0.24	-18.90	
4568.00	0.610	278.400	4562.81	99.60	130.48	1.15	1634993.70	496553.39	39°51'26.038"N	80°41'16.894"W	130.49	0.506	0.19	0.19	-3.07	
4658.00	0.520	271.070	4652.81	100.22	130.56	0.27	1634992.82	496553.48	39°51'26.039"N	80°41'16.905"W	130.56	0.118	0.13	-0.10	-8.14	
4748.00	0.760	282.260	4742.80	100.96	130.69	-0.72	1634991.83	496553.63	39°51'26.040"N	80°41'16.918"W	130.70	359.683	0.30	0.27	12.43	
4837.00	0.430	251.710	4831.80	101.55	130.72	-1.62	1634990.93	496553.66	39°51'26.041"N	80°41'16.929"W	130.73	359.292	0.50	-0.37	-34.33	
4927.00	0.370	256.740	4921.80	101.80	130.54	-2.22	1634990.33	496553.49	39°51'26.039"N	80°41'16.937"W	130.56	359.026	0.08	-0.07	5.59	
5017.00	0.380	297.150	5011.80	102.20	130.61	-2.77	1634989.78	496553.57	39°51'26.040"N	80°41'16.944"W	130.64	358.786	0.29	0.01	44.90	
5107.00	0.620	280.170	5101.79	102.85	130.83	-3.51	1634989.04	496553.80	39°51'26.042"N	80°41'16.953"W	130.88	358.462	0.31	0.27	-18.87	
5196.00	0.250	320.720	5190.79	103.41	131.07	-4.11	1634988.44	496554.05	39°51'26.044"N	80°41'16.961"W	131.13	358.204	0.52	-0.42	45.56	
5286.00	0.370	70.000	5280.79	103.51	131.32	-3.96	1634988.60	496554.29	39°51'26.047"N	80°41'16.959"W	131.38	358.272	0.57	0.13	121.42	
5375.00	0.210	273.990	5369.79	103.53	131.43	-3.85	1634988.70	496554.40	39°51'26.048"N	80°41'16.958"W	131.49	358.321	0.64	-0.18	-175.29	
5419.00	0.280	296.770	5413.79	103.68	131.48	-4.03	1634988.53	496554.46	39°51'26.048"N	80°41'16.960"W	131.55	358.244	0.27	0.16	51.77	BHI AT Curve IFR <8-1/2"> (5375')(5419'-15848')
5509.00	3.390	30.520	5503.74	104.78	133.88	-2.87	1634989.72	496556.84	39°51'26.072"N	80°41'16.945"W	133.91	358.770	3.80	3.46	104.17	
5599.00	7.520	30.270	5593.31	107.70	141.26	1.45	1634994.13	496564.16	39°51'26.145"N	80°41'16.890"W	141.27	0.587	4.59	4.59	-0.28	
5688.00	12.130	34.130	5680.98	112.29	154.04	9.63	1635002.49	496576.83	39°51'26.271"N	80°41'16.785"W	154.34	3.579	5.23	5.18	4.34	
5778.00	19.330	36.880	5767.55	118.37	173.80	23.90	1635017.01	496596.40	39°51'26.467"N	80°41'16.602"W	175.44	7.829	8.04	8.00	3.06	
5868.00	25.380	39.650	5850.75	125.37	200.60	45.16	1635038.63	496622.91	39°51'26.731"N	80°41'16.329"W	205.62	12.689	6.82	6.72	3.08	
5957.00	24.930	40.250	5931.31	132.15	229.60	69.46	1635063.30	496651.59	39°51'27.018"N	80°41'16.018"W	239.87	16.831	0.58	-0.51	0.67	
6046.00	25.740	33.250	6011.77	141.06	260.08	92.18	1635086.42	496681.77	39°51'27.319"N	80°41'15.726"W	275.93	19.515	3.48	0.91	-7.87	
6135.00	27.480	16.670	6091.45	158.10	295.97	108.69	1635103.41	496717.43	39°51'27.674"N	80°41'15.515"W	315.29	20.165	8.54	1.96	-18.63	
6224.00	30.100	6.370	6169.49	184.96	337.85	117.06	1835112.33	496759.20	39°51'28.088"N	80°41'15.407"W	357.56	19.110	6.29	2.94	-11.57	

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# Actual Wellpath Report

Taylor B 3H AWP Proj: 15873'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #03
Area	Marshall County, WV	Well	Taylor B 3H
Field	Marshall County	Wellbore	Taylor B 3H AWP
Facility	Taylor B Pad		

WELLPATH DATA (229 stations)																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
6314.00	35.840	355.280	6245.04	222.24	386.63	117.40	1635113.31	496807.96	39°51'28.570"N	80°41'15.403"W	404.06	16.891	9.23	6.38	-12.32	
6403.00	43.790	344.440	6313.43	271.82	442.42	106.96	1635103.62	496863.88	39°51'29.121"N	80°41'15.537"W	455.16	13.592	11.83	8.93	-12.18	
6493.00	53.160	340.710	6373.04	334.12	506.56	86.66	1635084.17	496928.29	39°51'29.755"N	80°41'15.797"W	513.92	9.708	10.86	10.41	-4.14	
6582.00	56.150	339.600	6424.52	402.38	574.83	62.01	1635060.42	496996.87	39°51'30.430"N	80°41'16.113"W	578.17	6.157	3.51	3.36	-1.25	
6672.00	63.270	338.130	6469.89	475.99	647.26	33.97	1635033.35	497069.66	39°51'31.145"N	80°41'16.473"W	648.15	3.005	8.04	7.91	-1.63	
6761.00	69.910	334.860	6505.23	554.37	722.08	1.37	1635001.74	497144.90	39°51'31.885"N	80°41'16.891"W	722.08	0.109	8.19	7.46	-3.67	
6850.00	77.790	333.230	6529.97	637.33	798.87	-36.04	1634965.35	497222.17	39°51'32.644"N	80°41'17.370"W	799.68	357.417	9.03	8.85	-1.83	
6940.00	81.880	331.780	6545.85	723.88	877.43	-76.93	1634925.50	497301.26	39°51'33.420"N	80°41'17.895"W	880.79	354.989	4.81	4.54	-1.61	
7029.00	87.290	329.000	6554.25	811.06	954.42	-120.70	1634882.76	497378.82	39°51'34.181"N	80°41'18.456"W	962.02	352.793	6.83	6.08	-3.12	
7119.00	87.350	323.150	6558.46	900.46	1028.98	-170.85	1634833.80	497454.04	39°51'34.918"N	80°41'19.099"W	1043.07	350.573	6.49	0.07	-6.50	
7208.00	87.450	322.580	6562.50	989.28	1099.86	-224.52	1634780.87	497525.62	39°51'35.618"N	80°41'19.788"W	1122.54	348.462	0.65	0.11	-0.64	
7297.00	87.420	321.630	6566.48	1078.14	1170.02	-279.13	1634727.20	497596.49	39°51'36.312"N	80°41'20.488"W	1202.86	346.582	1.07	-0.03	-1.07	
7387.00	90.580	320.460	6568.05	1168.11	1239.99	-335.70	1634671.56	497667.19	39°51'37.003"N	80°41'21.213"W	1284.63	344.852	3.74	3.51	-1.30	
7476.00	90.620	319.150	6567.12	1257.10	1307.97	-393.14	1634615.04	497735.92	39°51'37.675"N	80°41'21.950"W	1365.77	343.271	1.47	0.04	-1.47	
7566.00	90.650	317.380	6566.12	1347.04	1375.12	-453.04	1634556.03	497803.86	39°51'38.339"N	80°41'22.718"W	1447.83	341.765	1.97	0.03	-1.97	
7655.00	90.550	316.350	6565.19	1435.87	1440.06	-513.89	1634496.05	497869.60	39°51'38.980"N	80°41'23.498"W	1529.01	340.361	1.16	-0.11	-1.16	
7744.00	90.620	314.360	6564.28	1524.54	1503.38	-576.42	1634434.36	497933.73	39°51'39.606"N	80°41'24.300"W	1610.10	339.022	2.24	0.08	-2.24	
7834.00	90.830	315.900	6563.14	1614.17	1567.16	-639.91	1634371.72	497998.34	39°51'40.236"N	80°41'25.114"W	1692.77	337.789	1.73	0.23	1.71	
7923.00	90.620	317.710	6562.02	1703.00	1632.03	-700.82	1634311.68	498064.01	39°51'40.877"N	80°41'25.896"W	1776.14	336.760	2.05	-0.24	2.03	
8012.00	90.550	318.690	6561.11	1791.93	1698.37	-760.14	1634253.24	498131.13	39°51'41.533"N	80°41'26.656"W	1860.72	335.888	1.10	-0.08	1.10	
8102.00	90.800	316.000	6560.05	1881.80	1764.55	-821.11	1634193.16	498198.10	39°51'42.187"N	80°41'27.438"W	1946.25	335.046	3.00	0.28	-2.99	
8191.00	90.920	313.530	6558.71	1970.38	1827.22	-884.29	1634130.82	498261.59	39°51'42.806"N	80°41'28.248"W	2029.95	334.175	2.78	0.13	-2.78	
8280.00	90.550	314.460	6557.57	2058.84	1889.03	-948.31	1634067.62	498324.24	39°51'43.417"N	80°41'29.069"W	2113.70	333.343	1.12	-0.42	1.04	
8370.00	90.620	320.130	6556.65	2148.67	1955.14	-1009.32	1634007.49	498391.15	39°51'44.070"N	80°41'29.852"W	2200.29	332.695	6.30	0.08	6.30	
8459.00	91.380	321.310	6555.10	2237.65	2024.02	-1065.66	1633952.07	498460.76	39°51'44.751"N	80°41'30.574"W	2287.42	332.233	1.58	0.85	1.33	
8548.00	91.450	319.960	6552.90	2326.62	2092.80	-1122.09	1633896.56	498530.28	39°51'45.431"N	80°41'31.298"W	2374.64	331.801	1.52	0.08	-1.52	
8638.00	91.020	317.910	6550.96	2416.57	2160.64	-1181.20	1633838.36	498598.89	39°51'46.101"N	80°41'32.056"W	2462.43	331.335	2.33	-0.48	-2.28	
8727.00	90.310	316.510	6549.93	2505.44	2225.94	-1241.65	1633778.78	498664.99	39°51'46.747"N	80°41'32.831"W	2548.83	330.847	1.76	-0.80	-1.57	
8816.00	90.370	320.160	6549.40	2594.37	2292.42	-1300.80	1633720.51	498732.24	39°51'47.404"N	80°41'33.590"W	2635.77	330.428	4.10	0.07	4.10	
8905.00	90.460	322.100	6548.75	2683.36	2361.71	-1356.65	1633665.59	498802.25	39°51'48.088"N	80°41'34.306"W	2723.63	330.125	2.18	0.10	2.18	

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# Actual Wellpath Report

Taylor B 3H AWP Proj: 15873'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #03
Area	Marshall County, WV	Well	Taylor B 3H
Field	Marshall County	Wellbore	Taylor B 3H AWB
Facility	Taylor B Pad		

## WELLPATH DATA (229 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
8995.00	90.800	321.770	6547.76	2773.31	2432.56	-1412.14	1633611.05	498873.83	39°51'48.788"N	80°41'35.018"W	2812.73	329.864	0.53	0.38	-0.37	
9084.00	90.340	321.850	6546.88	2862.27	2502.51	-1467.16	1633556.96	498944.50	39°51'49.480"N	80°41'35.724"W	2900.88	329.618	0.52	-0.52	0.09	
9174.00	90.800	319.530	6545.98	2952.26	2572.13	-1524.17	1633500.88	499014.87	39°51'50.168"N	80°41'36.455"W	2989.81	329.350	2.63	0.51	-2.58	
9263.00	90.550	318.210	6544.93	3041.23	2639.16	-1582.71	1633443.23	499082.66	39°51'50.830"N	80°41'37.205"W	3077.36	329.049	1.51	-0.28	-1.48	
9352.00	90.370	319.320	6544.22	3130.19	2706.09	-1641.37	1633385.47	499150.35	39°51'51.491"N	80°41'37.958"W	3164.97	328.761	1.26	-0.20	-1.25	
9442.00	90.460	322.080	6543.57	3220.18	2775.73	-1698.36	1633329.40	499220.73	39°51'52.180"N	80°41'38.689"W	3254.09	328.539	3.07	0.10	3.07	
9531.00	90.520	320.850	6542.81	3309.15	2845.34	-1753.81	1633274.88	499291.07	39°51'52.868"N	80°41'39.400"W	3342.43	328.351	1.38	0.07	-1.38	
9620.00	90.430	324.250	6542.07	3398.07	2915.98	-1807.92	1633221.72	499362.42	39°51'53.566"N	80°41'40.094"W	3430.97	328.201	3.82	-0.10	3.82	
9710.00	90.460	323.990	6541.37	3487.86	2988.90	-1860.66	1633169.94	499436.03	39°51'54.286"N	80°41'40.770"W	3520.74	328.097	0.29	0.03	-0.29	
9799.00	90.490	322.870	6540.63	3576.72	3060.38	-1913.69	1633117.87	499508.19	39°51'54.993"N	80°41'41.450"W	3609.45	327.982	1.26	0.03	-1.26	
9888.00	90.490	321.090	6539.87	3665.67	3130.49	-1968.50	1633063.99	499579.02	39°51'55.685"N	80°41'42.153"W	3697.97	327.838	2.00	0.00	-2.00	
9978.00	90.770	319.670	6538.88	3755.66	3199.81	-2025.89	1633007.53	499649.09	39°51'56.370"N	80°41'42.889"W	3787.21	327.661	1.61	0.31	-1.58	
10067.00	90.710	317.590	6537.73	3844.62	3266.59	-2084.70	1632949.61	499716.64	39°51'57.030"N	80°41'43.644"W	3875.12	327.454	2.34	-0.07	-2.34	
10156.00	90.770	320.390	6536.58	3933.58	3333.74	-2143.09	1632892.11	499784.55	39°51'57.694"N	80°41'44.393"W	3963.16	327.265	3.15	0.07	3.15	
10246.00	90.710	322.770	6535.42	4023.54	3404.24	-2199.01	1632837.13	499855.78	39°51'58.390"N	80°41'45.110"W	4052.71	327.139	2.65	-0.07	2.64	
10335.00	90.680	325.300	6534.34	4112.33	3476.26	-2251.27	1632785.83	499928.48	39°51'59.102"N	80°41'45.780"W	4141.57	327.072	2.84	-0.03	2.84	
10424.00	90.710	325.980	6533.26	4200.93	3549.73	-2301.50	1632736.58	500002.60	39°51'59.828"N	80°41'46.424"W	4230.54	327.042	0.76	0.03	0.76	
10514.00	90.740	321.950	6532.12	4290.72	3622.48	-2354.43	1632684.62	500076.05	39°52'00.547"N	80°41'47.103"W	4320.38	326.978	4.48	0.03	-4.48	
10603.00	90.680	317.860	6531.02	4379.69	3690.55	-2411.73	1632628.23	500144.86	39°52'01.220"N	80°41'47.838"W	4408.70	326.836	4.60	-0.07	-4.60	
10693.00	90.740	315.900	6529.90	4468.52	3756.23	-2473.24	1632567.59	500211.35	39°52'01.869"N	80°41'48.627"W	4497.36	326.638	2.18	0.07	-2.18	
10782.00	90.710	314.750	6528.78	4558.19	3819.51	-2535.81	1632505.87	500275.45	39°52'02.494"N	80°41'49.430"W	4584.65	326.419	1.29	-0.03	-1.29	
10871.00	90.830	311.300	6527.58	4646.46	3880.23	-2600.86	1632441.63	500337.01	39°52'03.094"N	80°41'50.264"W	4671.26	326.167	3.88	0.13	-3.88	
10961.00	90.460	310.960	6526.57	4735.31	3939.42	-2668.65	1632374.64	500397.10	39°52'03.679"N	80°41'51.134"W	4758.23	325.885	0.56	-0.41	-0.38	
11050.00	90.150	314.370	6526.09	4823.51	3999.73	-2734.08	1632310.01	500458.26	39°52'04.275"N	80°41'51.973"W	4844.90	325.645	3.85	-0.35	3.83	
11139.00	90.650	319.480	6525.47	4912.33	4064.71	-2794.85	1632250.11	500524.03	39°52'04.917"N	80°41'52.752"W	4932.85	325.488	5.75	0.56	5.72	
11229.00	90.680	322.050	6524.43	5002.31	4134.39	-2851.78	1632194.11	500594.46	39°52'05.606"N	80°41'53.482"W	5022.54	325.403	2.88	0.03	2.88	
11318.00	90.740	321.750	6523.32	5091.27	4204.43	-2906.69	1632140.13	500665.21	39°52'06.298"N	80°41'54.187"W	5111.37	325.342	0.34	0.07	-0.34	
11407.00	90.650	321.870	6522.24	5180.23	4274.37	-2961.71	1632088.04	500735.87	39°52'06.989"N	80°41'54.893"W	5200.19	325.282	0.17	-0.10	0.13	
11497.00	90.620	325.460	6521.25	5270.05	4346.86	-3015.03	1632033.70	500809.05	39°52'07.705"N	80°41'55.576"W	5290.14	325.254	3.99	-0.03	3.99	
11586.00	90.710	326.740	6520.21	5358.88	4420.72	-3064.66	1631985.04	500883.56	39°52'08.435"N	80°41'56.213"W	5379.12	325.268	1.44	-0.10	1.44	

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# Actual Wellpath Report

Taylor B 3H AWP Proj: 15873'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #03
Area	Marshall County, WV	Well	Taylor B 3H
Field	Marshall County	Wellbore	Taylor B 3H AWP
Facility	Taylor B Pad		

## WELLPATH DATA (229 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
11675.00	90.650	327.200	6519.16	5446.97	4495.33	-3113.17	1631937.53	500958.81	39°52'09.172"N	80°41'56.835"W	5468.08	325.296	0.52	-0.07	0.52	
11765.00	90.620	325.190	6518.16	5536.47	4570.11	-3163.24	1631888.46	501034.23	39°52'09.911"N	80°41'57.478"W	5558.05	325.311	2.23	-0.03	-2.23	
11855.00	90.490	323.220	6517.29	5626.25	4643.10	-3215.87	1631836.80	501107.91	39°52'10.633"N	80°41'58.153"W	5648.03	325.293	2.19	-0.14	-2.19	
11944.00	90.520	323.840	6516.50	5715.10	4714.67	-3268.77	1631784.85	501180.17	39°52'11.340"N	80°41'58.831"W	5736.98	325.266	0.70	0.03	0.70	
12034.00	90.370	322.160	6515.80	5804.99	4786.54	-3322.93	1631731.65	501252.75	39°52'12.050"N	80°41'59.526"W	5826.91	325.231	1.87	-0.17	-1.87	
12123.00	90.460	322.930	6515.16	5893.92	4857.19	-3377.06	1631678.47	501324.10	39°52'12.748"N	80°42'00.220"W	5915.81	325.190	0.87	0.10	0.87	
12213.00	90.370	324.360	6514.51	5983.76	4929.67	-3430.40	1631626.08	501397.28	39°52'13.464"N	80°42'00.905"W	6005.77	325.167	1.59	-0.10	1.59	
12302.00	90.490	321.100	6513.84	6072.66	5000.48	-3484.29	1631573.14	501468.79	39°52'14.164"N	80°42'01.596"W	6094.68	325.132	3.67	0.13	-3.66	
12392.00	90.460	320.960	6513.09	6162.65	5070.45	-3540.89	1631517.47	501539.50	39°52'14.855"N	80°42'02.322"W	6184.45	325.072	0.16	-0.03	-0.16	
12481.00	90.430	320.570	6512.40	6251.64	5139.39	-3597.18	1631462.10	501609.17	39°52'15.537"N	80°42'03.044"W	6273.20	325.011	0.44	-0.03	-0.44	
12571.00	90.490	321.910	6511.68	6341.63	5209.56	-3653.52	1631406.70	501680.08	39°52'16.230"N	80°42'03.767"W	6363.00	324.958	1.49	0.07	1.49	
12660.00	90.490	323.070	6510.92	6430.55	5280.16	-3707.71	1631353.45	501751.38	39°52'16.928"N	80°42'04.462"W	6451.91	324.924	1.30	0.00	1.30	
12749.00	90.490	320.850	6510.18	6519.51	5350.25	-3762.55	1631299.55	501822.19	39°52'17.620"N	80°42'05.165"W	6540.79	324.883	2.49	0.00	-2.49	
12839.00	90.370	319.460	6509.48	6609.50	5419.34	-3820.21	1631242.81	501892.04	39°52'18.303"N	80°42'05.905"W	6630.48	324.819	1.55	-0.13	-1.54	
12928.00	90.460	316.590	6508.84	6698.42	5485.50	-3879.73	1631184.17	501958.97	39°52'18.957"N	80°42'06.669"W	6718.55	324.729	3.23	0.10	-3.22	
13017.00	90.620	315.680	6508.00	6787.19	5549.66	-3941.40	1631123.36	502023.94	39°52'19.591"N	80°42'07.460"W	6806.86	324.617	1.04	0.18	-1.02	
13107.00	90.520	314.730	6507.10	6876.83	5613.53	-4004.81	1631060.81	502088.63	39°52'20.222"N	80°42'08.273"W	6895.66	324.495	1.06	-0.11	-1.06	
13196.00	90.520	314.940	6506.29	6965.43	5676.27	-4067.92	1630998.53	502152.21	39°52'20.842"N	80°42'09.083"W	6983.41	324.373	0.24	0.00	0.24	
13286.00	90.430	315.260	6505.55	7055.06	5740.02	-4131.44	1630935.86	502216.79	39°52'21.472"N	80°42'09.898"W	7072.25	324.255	0.37	-0.10	0.36	
13375.00	90.490	316.320	6504.83	7143.79	5803.81	-4193.50	1630874.66	502281.39	39°52'22.102"N	80°42'10.694"W	7160.28	324.150	1.19	0.07	1.19	
13465.00	90.490	316.270	6504.06	7233.57	5868.87	-4255.68	1630813.34	502347.26	39°52'22.745"N	80°42'11.491"W	7249.45	324.053	0.06	0.00	-0.06	
13554.00	90.550	313.740	6503.26	7322.18	5931.80	-4318.60	1630751.26	502411.01	39°52'23.367"N	80°42'12.298"W	7337.34	323.944	2.84	0.07	-2.84	
13644.00	90.400	315.160	6502.51	7411.71	5994.82	-4382.84	1630687.86	502474.88	39°52'23.989"N	80°42'13.123"W	7426.12	323.829	1.59	-0.17	1.58	
13733.00	90.800	321.160	6501.58	7500.61	6061.10	-4442.18	1630629.41	502541.92	39°52'24.644"N	80°42'13.884"W	7514.64	323.762	6.76	0.45	6.74	
13823.00	91.290	324.410	6499.94	7590.49	6132.75	-4496.60	1630575.95	502614.29	39°52'25.352"N	80°42'14.582"W	7604.80	323.751	3.66	0.54	3.61	
13912.00	91.200	323.710	6498.00	7679.28	6204.79	-4548.82	1630524.68	502687.01	39°52'26.064"N	80°42'15.252"W	7693.58	323.754	0.79	-0.10	-0.79	
14001.00	91.260	323.910	6496.09	7768.09	6276.60	-4601.36	1630473.10	502759.50	39°52'26.774"N	80°42'15.926"W	7782.56	323.755	0.23	0.07	0.22	
14091.00	90.980	322.000	6494.33	7857.96	6348.42	-4655.57	1630419.85	502832.03	39°52'27.483"N	80°42'16.621"W	7872.53	323.746	2.14	-0.31	-2.12	
14180.00	90.950	320.520	6492.83	7946.94	6417.82	-4711.25	1630365.09	502902.16	39°52'28.169"N	80°42'17.336"W	7961.43	323.718	1.66	-0.03	-1.66	
14269.00	90.890	323.020	6491.40	8035.89	6487.72	-4766.32	1630310.96	502972.78	39°52'28.860"N	80°42'18.042"W	8050.36	323.696	2.81	-0.07	2.81	

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# Actual Wellpath Report

Taylor B 3H AWP Proj: 15873'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #03
Area	Marshall County, WV	Well	Taylor B 3H
Field	Marshall County	Wellbore	Taylor B 3H AWB
Facility	Taylor B Pad		

WELLPATH DATA (229 stations)																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
14359.00	90.800	322.610	6490.08	8125.79	6559.42	-4820.71	1630257.53	503045.18	39°52'29.568"N	80°42'18.740"W	8140.34	323.687	0.47	-0.10	-0.46	
14448.00	90.950	320.150	6488.72	8214.75	6628.94	-4876.25	1630202.92	503115.43	39°52'30.255"N	80°42'19.452"W	8229.25	323.662	2.77	0.17	-2.76	
14538.00	91.880	319.320	6486.49	8304.72	6697.59	-4934.40	1630145.68	503184.84	39°52'30.933"N	80°42'20.198"W	8319.01	323.619	1.38	1.03	-0.92	
14627.00	91.660	318.300	6483.75	8393.65	6764.54	-4992.98	1630087.99	503252.55	39°52'31.595"N	80°42'20.950"W	8407.66	323.569	1.17	-0.25	-1.15	
14716.00	91.080	318.410	6481.62	8482.57	6831.02	-5052.10	1630029.75	503319.81	39°52'32.252"N	80°42'21.709"W	8496.27	323.514	0.66	-0.65	0.12	
14806.00	91.080	315.950	6479.92	8572.42	6897.02	-5113.26	1629969.48	503386.60	39°52'32.904"N	80°42'22.493"W	8585.70	323.448	2.73	0.00	-2.73	
14895.00	90.030	318.100	6479.06	8661.27	6962.13	-5173.92	1629909.69	503452.51	39°52'33.547"N	80°42'23.271"W	8674.14	323.382	2.69	-1.18	2.42	
14985.00	90.520	322.400	6478.63	8751.24	7031.31	-5231.46	1629853.07	503522.44	39°52'34.231"N	80°42'24.010"W	8763.99	323.350	4.81	0.54	4.78	
15074.00	90.430	322.410	6477.89	8840.18	7101.82	-5285.75	1629799.72	503593.66	39°52'34.927"N	80°42'24.706"W	8852.97	323.340	0.10	-0.10	0.01	
15164.00	90.520	323.810	6477.14	8930.06	7173.80	-5339.77	1629746.66	503666.34	39°52'35.639"N	80°42'25.399"W	8942.96	323.388	1.56	0.10	1.56	
15253.00	90.520	325.600	6476.34	9018.79	7246.44	-5391.19	1629696.21	503739.65	39°52'36.356"N	80°42'26.059"W	9031.93	323.352	2.01	0.00	2.01	
15343.00	90.800	324.540	6475.30	9108.46	7320.22	-5442.72	1629645.66	503814.10	39°52'37.085"N	80°42'26.720"W	9121.89	323.368	1.22	0.31	-1.18	
15432.00	90.460	321.400	6474.32	9197.35	7391.25	-5496.31	1629593.02	503885.83	39°52'37.787"N	80°42'27.408"W	9210.87	323.365	3.55	-0.38	-3.53	
15521.00	90.490	320.670	6473.58	9286.34	7460.45	-5552.27	1629537.98	503955.76	39°52'38.471"N	80°42'28.126"W	9299.79	323.342	0.82	0.03	-0.82	
15610.00	90.430	321.210	6472.87	9375.33	7529.56	-5608.35	1629482.82	504025.60	39°52'39.154"N	80°42'28.845"W	9388.71	323.320	0.61	-0.07	0.61	
15700.00	90.460	325.930	6472.17	9465.15	7601.95	-5661.78	1629430.35	504098.68	39°52'39.869"N	80°42'29.531"W	9478.68	323.322	5.24	0.03	5.24	
15789.00	90.650	321.350	6471.31	9553.97	7673.60	-5714.53	1629378.56	504171.02	39°52'40.577"N	80°42'30.208"W	9567.65	323.325	5.15	0.21	-5.15	
15848.00	90.460	320.740	6470.73	9612.96	7719.47	-5751.62	1629342.08	504217.38	39°52'41.030"N	80°42'30.683"W	9626.60	323.311	1.08	-0.32	-1.03	
15873.00	90.460	320.740	6470.53	9637.95	7738.83	-5767.44	1629326.52	504236.95	39°52'41.222"N	80°42'30.886"W	9651.58	323.304	0.00	0.00	0.00	Projected MD at TD: 15873'

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# Actual Wellpath Report

Taylor B 3H AWP Proj: 15873'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #03
Area	Marshall County, WV	Well	Taylor B 3H
Field	Marshall County	Wellbore	Taylor B 3H AWB
Facility	Taylor B Pad		

## HOLE & CASING SECTIONS - Ref Wellbore: Taylor B 3H AWB Ref Wellpath: Taylor B 3H AWP Proj: 15873'

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
17.5in Open Hole	25.00	588.33	563.33	25.00	588.29	0.00	0.00	-3.10	-5.30
13.375in Casing Surface	25.00	588.33	563.33	25.00	588.29	0.00	0.00	-3.10	-5.30
12.25in Open Hole	588.33	2255.33	1667.00	588.29	2252.56	-3.10	-5.30	67.13	32.54
9.625in Casing Intermediate	25.00	2211.10	2186.10	25.00	2208.33	0.00	0.00	67.23	32.32
8.5in Open Hole	2255.33	15873.00	13617.67	2252.56	6470.53	67.13	32.54	7738.83	-5767.44
5.5in Casing Production	25.00	15873.00	15848.00	25.00	6470.53	0.00	0.00	7738.83	-5767.44

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# Actual Wellpath Report

Taylor B 3H AWP Proj: 15873'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #03
Area	Marshall County, WV	Well	Taylor B 3H
Field	Marshall County	Wellbore	Taylor B 3H AWB
Facility	Taylor B Pad		

## TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Taylor B 3H BHL Rev-3	6418.00	7725.51	-5784.09	1629309.70	504223.85	39°52'41.090"N	80°42'31.100"W	point
Taylor B 3H LP Rev-3	6547.00	909.80	-117.88	1634884.99	497334.17	39°51'33.740"N	80°41'18.420"W	point
Taylor B Buffer1	6746.33	3.39	-14.62	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon
Taylor B Buffer2	6746.33	3.39	-14.62	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon
Taylor B Buffer3	6746.33	3.39	-14.62	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon
Taylor B Buffer4	6746.33	3.39	-14.62	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon
Taylor B LL1	6796.33	3.39	-14.62	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon
Taylor B LL2	6796.33	3.39	-14.62	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon

## WELLPATH COMPOSITION - Ref Wellbore: Taylor B 3H AWB Ref Wellpath: Taylor B 3H AWP Proj: 15873'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	512.33	BHI Generic gyro - northseeking (Standard)	01 Gyrodata MS Gyro <17-1/2"> (50'-504')	Taylor B 3H AWB
512.33	2180.33	BHI NaviTrak (Axial)	02 APS EM <12-1/4"> (504')(600'-2172') Proj:2247'	Taylor B 3H AWB
2180.33	4030.00	NaviTrak (Magcorr+IFR1)	03 BHI NaviTrak IFR <8-1/2">(2180.33')(2267'-4030')	Taylor B 3H AWB
4030.00	5375.00	NaviTrak (IFR1)	04 BHI NaviTrak IFR <8-1/2">(4030')(4120'-5375')	Taylor B 3H AWB
5375.00	15848.00	BHI AutoTrak Curve (IFR1, Short)	05 BHI AT Curve IFR <8-1/2">(5375')(5419'-15848')	Taylor B 3H AWB
15848.00	15873.00	Blind Drilling (std)	Projection to bit	Taylor B 3H AWB

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# Actual Wellpath Report

Taylor B 3H AWP Proj: 15873'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #03
Area	Marshall County, WV	Well	Taylor B 3H
Field	Marshall County	Wellbore	Taylor B 3H AWB
Facility	Taylor B Pad		

## COMMENTS

### Wellpath general comments

API: 47-051-01794-0000

BHI Job #: 8754178

Rig: Precision 560

Duration: 09/23/2017-10/07/2017

Gyrodatta MS Gyro <17-1/2">(50'-504')

APS EM <12-1/4">(504')(600'-2172')

BHI NaviTrak IFR Axial <8-1/2"> (2180.33')(2267'-4030')

BHI NaviTrak IFR <8-1/2"> (4030')(4120'-5375')

BHI AT Curve IFR <8-1/2"> (5375')(5419'-15848')

Projected MD at TD: 15873'

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