



Actual Wellpath Report

Taylor B 9H AWP Proj: 15237'

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REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #09
Area	Marshall County, WV	Well	Taylor B 9H
Field	Marshall County	Wellbore	Taylor B 9H 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	07/Dec/2017 at 20:50
Convergence at slot	0.76° West	Database/Source file	WA_MPL_EasternUS_Defn/Taylor_B_9H_AWP_Proj_15237_.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-32.73	113.66	1635078.23	496401.51	39°51'24.549"N	80°41'15.784"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 #09)	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	140.73°

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Area	Marshall County, WV	Well	Taylor B 9H
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Facility	Taylor B Pad		

WELLPATH DATA (212 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†	0.00	120.950	0.00	0.00	0.00	0.00	1635078.23	496401.51	39°51'24.549"N	80°41'15.784"W	0.00	0.000	0.00	0.00	0.00	
25.00	0.00	120.950	25.00	0.00	0.00	0.00	1635078.23	496401.51	39°51'24.549"N	80°41'15.784"W	0.00	0.000	0.00	0.00	0.00	
58.33	0.550	120.950	58.33	0.15	-0.08	0.14	1635078.37	496401.43	39°51'24.548"N	80°41'15.782"W	0.16	120.950	1.65	1.65	362.89	Gyrodatta MS Gyro <17-1/2">(50'-526')
83.33	0.650	123.750	83.33	0.40	-0.22	0.36	1635078.59	496401.28	39°51'24.546"N	80°41'15.779"W	0.42	121.891	0.42	0.40	11.20	
108.33	0.730	126.230	108.33	0.69	-0.40	0.60	1635078.83	496401.11	39°51'24.545"N	80°41'15.776"W	0.72	123.212	0.34	0.32	9.92	
133.33	0.910	137.010	133.32	1.04	-0.64	0.87	1635079.09	496400.86	39°51'24.542"N	80°41'15.773"W	1.08	126.182	0.95	0.72	43.12	
158.33	1.050	154.430	158.32	1.46	-0.99	1.10	1635079.32	496400.51	39°51'24.539"N	80°41'15.770"W	1.48	131.833	1.31	0.56	69.68	
183.33	1.300	162.200	183.31	1.95	-1.46	1.29	1635079.50	496400.03	39°51'24.534"N	80°41'15.767"W	1.95	138.649	1.18	1.00	31.08	
208.33	1.330	165.760	208.31	2.48	-2.01	1.45	1635079.65	496399.48	39°51'24.529"N	80°41'15.765"W	2.48	144.331	0.35	0.12	14.24	
233.33	1.170	170.120	233.30	2.96	-2.55	1.55	1635079.78	496398.94	39°51'24.523"N	80°41'15.764"W	2.99	148.497	0.74	-0.64	17.44	
258.33	0.840	170.100	258.30	3.34	-2.98	1.64	1635079.83	496398.51	39°51'24.519"N	80°41'15.763"W	3.40	151.221	1.32	-1.32	-0.08	
283.33	0.630	165.730	283.30	3.63	-3.29	1.70	1635079.89	496398.19	39°51'24.516"N	80°41'15.762"W	3.71	152.670	0.87	-0.84	-17.48	
308.33	0.470	156.000	308.30	3.85	-3.52	1.78	1635079.96	496397.97	39°51'24.514"N	80°41'15.761"W	3.94	153.207	0.74	-0.64	-38.92	
333.33	0.370	155.690	333.29	4.03	-3.69	1.85	1635080.03	496397.80	39°51'24.512"N	80°41'15.760"W	4.13	153.325	0.40	-0.40	-1.24	
358.33	0.270	157.930	358.29	4.16	-3.82	1.91	1635080.09	496397.67	39°51'24.511"N	80°41'15.759"W	4.27	153.434	0.40	-0.40	8.96	
383.33	0.200	136.300	383.29	4.26	-3.90	1.96	1635080.14	496397.58	39°51'24.510"N	80°41'15.759"W	4.37	153.326	0.45	-0.28	-86.52	
408.33	0.200	163.910	408.29	4.34	-3.97	2.00	1635080.18	496397.51	39°51'24.509"N	80°41'15.758"W	4.45	153.264	0.38	0.00	110.44	
433.33	0.200	162.450	433.29	4.43	-4.06	2.03	1635080.20	496397.43	39°51'24.508"N	80°41'15.758"W	4.54	153.454	0.02	0.00	-5.84	
458.33	0.220	156.980	458.29	4.51	-4.14	2.06	1635080.23	496397.34	39°51'24.508"N	80°41'15.758"W	4.63	153.575	0.11	0.08	-21.86	
483.33	0.160	170.880	483.29	4.59	-4.22	2.08	1635080.26	496397.26	39°51'24.507"N	80°41'15.757"W	4.71	153.736	0.30	-0.24	55.60	
508.33	0.140	152.150	508.29	4.65	-4.28	2.10	1635080.28	496397.20	39°51'24.506"N	80°41'15.757"W	4.77	153.849	0.21	-0.08	-74.92	
533.33	0.190	147.870	533.29	4.72	-4.35	2.14	1635080.31	496397.14	39°51'24.506"N	80°41'15.757"W	4.84	153.788	0.21	0.20	-17.12	
534.33	0.190	147.480	534.29	4.72	-4.35	2.14	1635080.31	496397.13	39°51'24.506"N	80°41'15.756"W	4.85	153.783	0.13	0.00	-39.00	
598.33	0.200	159.500	598.29	4.93	-4.54	2.24	1635080.41	496396.94	39°51'24.504"N	80°41'15.755"W	5.06	153.778	0.07	0.02	18.78	APS EM <12-1/4">(526')(590'-2166')
629.33	0.210	166.530	629.29	5.04	-4.65	2.27	1635080.44	496396.83	39°51'24.503"N	80°41'15.755"W	5.17	153.976	0.09	0.03	22.68	
660.33	0.100	138.340	660.29	5.11	-4.72	2.30	1635080.47	496396.76	39°51'24.502"N	80°41'15.754"W	5.26	154.031	0.42	-0.35	-90.94	
692.33	0.120	332.880	692.29	5.11	-4.72	2.30	1635080.47	496396.76	39°51'24.502"N	80°41'15.754"W	5.25	153.956	0.68	0.06	-517.06	
723.33	0.270	342.090	723.29	5.01	-4.62	2.27	1635080.44	496396.86	39°51'24.503"N	80°41'15.755"W	5.14	153.848	0.49	0.48	29.71	
754.33	0.320	341.380	754.29	4.86	-4.47	2.22	1635080.39	496397.02	39°51'24.504"N	80°41'15.756"W	4.99	153.597	0.16	0.16	-2.29	
785.33	0.400	344.290	785.29	4.68	-4.28	2.16	1635080.33	496397.20	39°51'24.506"N	80°41'15.756"W	4.79	153.217	0.26	0.26	9.39	

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Area	Marshall County, WV	Well	Taylor B 9H
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Facility	Taylor B Pad		

WELLPATH DATA (212 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
816.33	0.270	325.000	816.29	4.51	-4.12	2.09	1635080.26	496397.37	39°51'24.508"N	80°41'15.757"W	4.62	153.089	0.55	-0.42	-62.23	
847.33	0.110	330.780	847.29	4.41	-4.03	2.03	1635080.21	496397.45	39°51'24.509"N	80°41'15.758"W	4.51	153.234	0.52	-0.52	18.65	
879.33	0.240	153.030	879.29	4.44	-4.06	2.05	1635080.22	496397.42	39°51'24.508"N	80°41'15.758"W	4.55	153.248	1.09	0.41	-555.47	
910.33	0.630	153.020	910.29	4.67	-4.27	2.15	1635080.33	496397.21	39°51'24.506"N	80°41'15.756"W	4.79	153.237	1.26	1.26	-0.03	
941.33	1.100	155.230	941.29	5.13	-4.69	2.36	1635080.52	496396.78	39°51'24.502"N	80°41'15.754"W	5.25	153.343	1.52	1.52	7.13	
972.33	1.700	157.690	972.28	5.85	-5.39	2.66	1635080.81	496396.09	39°51'24.495"N	80°41'15.750"W	6.01	153.768	1.94	1.94	7.94	
1003.33	2.210	151.560	1003.26	6.88	-6.34	3.12	1635081.26	496395.13	39°51'24.486"N	80°41'15.744"W	7.07	153.837	1.78	1.65	-19.77	
1034.33	2.970	153.140	1034.23	8.25	-7.58	3.76	1635081.89	496393.88	39°51'24.474"N	80°41'15.736"W	8.47	153.610	2.46	2.45	5.10	
1065.33	3.490	150.480	1065.18	9.97	-9.12	4.59	1635082.70	496392.33	39°51'24.458"N	80°41'15.725"W	10.21	153.284	1.75	1.68	-8.58	
1096.33	4.040	146.880	1096.11	11.98	-10.86	5.65	1635083.74	496390.58	39°51'24.441"N	80°41'15.711"W	12.24	152.498	1.93	1.77	-11.61	
1127.33	4.430	143.970	1127.03	14.26	-12.74	6.95	1635085.01	496388.68	39°51'24.423"N	80°41'15.695"W	14.51	151.375	1.44	1.26	-9.39	
1159.33	4.740	141.970	1158.92	16.82	-14.78	8.49	1635086.53	496386.62	39°51'24.402"N	80°41'15.675"W	17.05	150.113	1.09	0.97	-6.25	
1190.33	4.730	139.540	1189.82	19.38	-16.76	10.11	1635088.12	496384.62	39°51'24.383"N	80°41'15.654"W	19.58	148.896	0.65	-0.03	-7.84	
1221.33	4.910	138.010	1220.71	21.98	-18.72	11.83	1635089.81	496382.64	39°51'24.364"N	80°41'15.632"W	22.14	147.710	0.71	0.58	-4.94	
1252.33	5.180	135.650	1251.59	24.70	-20.71	13.70	1635091.65	496380.62	39°51'24.344"N	80°41'15.608"W	24.83	146.519	1.10	0.87	-7.61	
1284.33	5.020	136.200	1283.46	27.53	-22.75	15.67	1635093.60	496378.56	39°51'24.324"N	80°41'15.583"W	27.63	145.434	0.52	-0.50	1.72	
1315.33	3.840	136.820	1314.37	29.92	-24.49	17.32	1635095.23	496376.80	39°51'24.307"N	80°41'15.562"W	29.99	144.721	3.81	-3.81	2.00	
1346.33	3.320	135.660	1345.31	31.85	-25.89	18.66	1635096.55	496375.38	39°51'24.293"N	80°41'15.545"W	31.91	144.211	1.69	-1.68	-3.74	
1377.33	2.930	135.010	1376.26	33.53	-27.09	19.85	1635097.72	496374.16	39°51'24.281"N	80°41'15.529"W	33.58	143.767	1.26	-1.26	-2.10	
1408.33	2.580	143.390	1407.23	35.02	-28.21	20.83	1635098.88	496373.03	39°51'24.270"N	80°41'15.517"W	35.06	143.583	1.72	-1.13	27.03	
1440.33	1.800	136.270	1439.20	36.24	-29.15	21.60	1635099.44	496372.08	39°51'24.260"N	80°41'15.507"W	36.28	143.458	2.58	-2.44	-22.25	
1471.33	1.340	145.630	1470.19	37.09	-29.80	22.14	1635099.98	496371.42	39°51'24.254"N	80°41'15.500"W	37.13	143.386	1.69	-1.48	30.19	
1502.33	1.100	153.450	1501.18	37.74	-30.37	22.48	1635100.31	496370.85	39°51'24.248"N	80°41'15.496"W	37.78	143.486	0.94	-0.77	25.23	
1533.33	0.820	161.780	1532.18	38.24	-30.84	22.68	1635100.50	496370.37	39°51'24.244"N	80°41'15.493"W	38.29	143.667	1.01	-0.90	26.87	
1565.33	0.710	145.090	1564.18	38.65	-31.22	22.87	1635100.68	496369.99	39°51'24.240"N	80°41'15.491"W	38.70	143.780	0.77	-0.34	-52.16	
1596.33	0.680	148.750	1595.17	39.02	-31.54	23.07	1635100.88	496369.67	39°51'24.237"N	80°41'15.488"W	39.08	143.810	0.17	-0.10	11.81	
1658.33	0.740	150.810	1657.17	39.78	-32.20	23.46	1635101.26	496369.00	39°51'24.230"N	80°41'15.483"W	39.84	143.925	0.11	0.10	3.32	
1721.33	1.090	147.850	1720.16	40.77	-33.06	23.98	1635101.77	496368.13	39°51'24.222"N	80°41'15.476"W	40.84	144.051	0.56	0.56	-4.70	
1783.33	0.810	123.660	1782.16	41.78	-33.81	24.66	1635102.44	496367.38	39°51'24.214"N	80°41'15.468"W	41.84	143.896	0.78	-0.45	-39.02	
1845.33	0.770	91.680	1844.15	42.47	-34.06	25.44	1635103.21	496367.12	39°51'24.212"N	80°41'15.458"W	42.51	143.248	0.70	-0.06	-51.58	

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Facility	Taylor B Pad		

WELLPATH DATA (212 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
1908.33	0.880	81.600	1907.14	43.00	-34.00	26.34	1635104.12	496367.16	39°51'24.212"N	80°41'15.446"W	43.01	142.239	0.29	0.17	-16.00	
1970.33	0.830	55.440	1969.13	43.28	-33.68	27.18	1635104.96	496367.48	39°51'24.216"N	80°41'15.435"W	43.28	141.096	0.63	-0.08	-42.19	
2032.33	1.070	16.400	2031.13	42.99	-32.87	27.71	1635105.50	496368.28	39°51'24.224"N	80°41'15.429"W	42.99	139.865	1.09	0.39	-62.97	
2095.33	1.340	12.480	2094.11	42.20	-31.59	28.04	1635105.85	496369.56	39°51'24.236"N	80°41'15.424"W	42.23	138.405	0.45	0.43	-6.22	
2157.33	1.240	11.610	2156.10	41.33	-30.22	28.33	1635106.16	496370.92	39°51'24.250"N	80°41'15.421"W	41.42	136.849	0.16	-0.16	-1.40	
2174.33	0.870	12.650	2173.09	41.13	-29.91	28.39	1635106.23	496371.22	39°51'24.253"N	80°41'15.420"W	41.24	136.492	2.18	-2.18	6.12	
2296.00	0.180	357.790	2294.76	40.41	-28.82	28.59	1635106.43	496372.31	39°51'24.264"N	80°41'15.417"W	40.60	135.232	0.57	-0.57	-12.21	BHI NaviTrak IFR Axial <8-1/2"> (2174.33')(2296'-5343')
2386.00	0.220	357.050	2384.76	40.16	-28.51	28.58	1635106.42	496372.63	39°51'24.267"N	80°41'15.418"W	40.36	134.932	0.04	0.04	-0.82	
2476.00	0.520	313.790	2474.75	39.61	-28.05	28.27	1635106.13	496373.09	39°51'24.271"N	80°41'15.421"W	39.83	134.777	0.43	0.33	-48.07	
2566.00	0.750	318.460	2564.75	38.62	-27.33	27.59	1635105.45	496373.82	39°51'24.278"N	80°41'15.430"W	38.83	134.732	0.26	0.26	5.19	
2655.00	0.830	309.300	2653.74	37.41	-26.49	26.70	1635104.58	496374.68	39°51'24.287"N	80°41'15.442"W	37.61	134.767	0.17	0.09	-10.29	
2745.00	0.720	304.440	2743.73	36.22	-25.75	25.73	1635103.62	496375.42	39°51'24.294"N	80°41'15.454"W	36.40	135.024	0.14	-0.12	-5.40	
2834.00	0.530	311.880	2832.73	35.28	-25.16	24.96	1635102.86	496376.02	39°51'24.300"N	80°41'15.464"W	35.44	135.227	0.23	-0.21	8.36	
2924.00	0.730	304.210	2922.72	34.32	-24.56	24.18	1635102.08	496376.63	39°51'24.306"N	80°41'15.474"W	34.47	135.449	0.24	0.22	-8.52	
3014.00	0.740	302.830	3012.71	33.22	-23.92	23.22	1635101.13	496377.28	39°51'24.312"N	80°41'15.486"W	33.34	135.660	0.02	0.01	-1.53	
3103.00	0.440	114.320	3101.71	32.98	-23.75	23.04	1635100.96	496377.46	39°51'24.314"N	80°41'15.488"W	33.09	135.867	1.32	-0.34	192.69	
3193.00	1.450	111.360	3191.70	34.28	-24.31	24.42	1635102.33	496376.88	39°51'24.308"N	80°41'15.471"W	34.46	134.870	1.12	1.12	-3.30	
3283.00	1.520	109.790	3281.67	36.29	-25.13	26.60	1635104.50	496376.03	39°51'24.300"N	80°41'15.443"W	36.60	133.366	0.09	0.08	-1.73	
3373.00	1.080	104.590	3371.65	38.00	-25.75	28.55	1635106.43	496375.39	39°51'24.294"N	80°41'15.418"W	38.44	132.046	0.51	-0.49	-5.78	
3462.00	0.870	89.050	3460.63	39.10	-25.95	30.04	1635107.92	496375.17	39°51'24.292"N	80°41'15.399"W	39.69	130.822	0.38	-0.24	-17.46	
3552.00	0.320	50.620	3550.63	39.52	-25.78	30.91	1635108.80	496375.33	39°51'24.294"N	80°41'15.388"W	40.25	129.822	0.72	-0.61	-42.70	
3642.00	0.400	351.420	3640.63	39.25	-25.31	31.06	1635108.95	496375.80	39°51'24.298"N	80°41'15.386"W	40.06	129.171	0.40	0.09	-65.78	
3731.00	0.380	302.490	3729.62	38.70	-24.84	30.76	1635108.66	496376.27	39°51'24.303"N	80°41'15.389"W	39.54	128.918	0.36	-0.02	-54.98	
3821.00	0.370	301.140	3819.62	38.15	-24.53	30.26	1635108.17	496376.58	39°51'24.306"N	80°41'15.396"W	38.96	129.025	0.01	-0.01	-1.50	
3910.00	0.370	283.540	3908.62	37.65	-24.31	29.74	1635107.64	496376.81	39°51'24.308"N	80°41'15.403"W	38.41	129.268	0.13	0.00	-19.78	
4000.00	0.740	305.620	3998.62	36.85	-23.91	28.98	1635106.89	496377.22	39°51'24.312"N	80°41'15.412"W	37.57	129.517	0.47	0.41	24.53	
4089.00	0.910	291.130	4087.61	35.68	-23.32	27.86	1635105.78	496377.83	39°51'24.318"N	80°41'15.427"W	36.33	129.930	0.30	0.19	-16.28	
4179.00	0.920	172.850	4177.60	35.68	-23.78	27.28	1635105.19	496377.38	39°51'24.314"N	80°41'15.434"W	36.19	131.074	1.75	0.01	-131.42	
4269.00	1.640	159.520	4267.58	37.51	-25.70	27.82	1635105.71	496375.45	39°51'24.295"N	80°41'15.427"W	37.88	132.730	0.86	0.80	-14.81	
4358.00	1.040	165.200	4356.55	39.45	-27.67	28.47	1635106.33	496373.46	39°51'24.275"N	80°41'15.419"W	39.71	134.184	0.69	-0.67	6.38	

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Taylor B 9H AWP Proj: 15237'
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REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #09
Area	Marshall County, WV	Well	Taylor B 9H
Field	Marshall County	Wellbore	Taylor B 9H AWB
Facility	Taylor B Pad		

WELLPATH DATA (212 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
4448.00	0.690	157.840	4446.54	40.71	-28.97	28.89	1635106.73	496372.17	39°51'24.262"N	80°41'15.414"W	40.91	135.078	0.41	-0.39	-8.18	
4537.00	0.180	214.310	4535.54	41.26	-29.58	29.01	1635106.84	496371.55	39°51'24.256"N	80°41'15.412"W	41.43	135.555	0.68	-0.57	63.45	
4627.00	0.250	224.710	4625.54	41.32	-29.83	28.79	1635106.62	496371.30	39°51'24.254"N	80°41'15.415"W	41.46	136.018	0.09	0.08	11.56	
4717.00	0.540	283.200	4715.54	41.01	-29.88	28.24	1635106.07	496371.26	39°51'24.253"N	80°41'15.422"W	41.11	136.612	0.51	0.32	64.99	
4807.00	0.760	283.620	4805.53	40.19	-29.64	27.25	1635105.08	496371.52	39°51'24.256"N	80°41'15.435"W	40.26	137.407	0.24	0.24	0.47	
4896.00	0.660	266.920	4894.53	39.42	-29.53	26.16	1635104.00	496371.64	39°51'24.257"N	80°41'15.448"W	39.45	138.458	0.26	-0.11	-18.76	
4986.00	0.500	290.060	4984.52	38.78	-29.42	25.28	1635103.11	496371.76	39°51'24.258"N	80°41'15.460"W	38.79	139.333	0.31	-0.18	25.71	
5075.00	0.830	161.920	5073.52	39.04	-29.90	25.11	1635102.94	496371.28	39°51'24.253"N	80°41'15.462"W	39.05	139.975	1.35	0.37	-143.98	
5164.00	0.370	179.420	5162.51	39.87	-30.80	25.31	1635103.13	496370.38	39°51'24.244"N	80°41'15.459"W	39.87	140.584	0.55	-0.52	19.66	
5254.00	0.280	242.280	5252.51	40.05	-31.19	25.12	1635102.94	496369.99	39°51'24.240"N	80°41'15.462"W	40.05	141.153	0.39	-0.10	69.84	
5343.00	0.280	282.520	5341.51	39.84	-31.25	24.72	1635102.53	496369.94	39°51'24.240"N	80°41'15.467"W	39.84	141.655	0.22	0.00	45.21	
5417.00	1.050	44.740	5415.51	39.62	-30.73	25.02	1635102.84	496370.46	39°51'24.245"N	80°41'15.463"W	39.62	140.846	1.65	1.04	165.16	BHI AT Curve IFR <8-1/2"> (5343')(5417'-15159')
5506.00	4.660	50.920	5504.38	39.55	-27.87	28.40	1635106.26	496373.27	39°51'24.273"N	80°41'15.420"W	39.79	134.457	4.07	4.06	6.94	
5596.00	11.060	43.100	5593.49	38.42	-19.25	37.15	1635115.12	496381.77	39°51'24.358"N	80°41'15.308"W	41.84	117.395	7.19	7.11	-8.69	
5685.00	17.060	48.270	5679.79	36.72	-4.31	52.74	1635130.90	496396.50	39°51'24.506"N	80°41'15.108"W	52.91	94.675	6.88	6.74	5.81	
5774.00	23.840	50.600	5763.13	36.12	15.82	76.41	1635154.83	496416.31	39°51'24.705"N	80°41'14.804"W	78.03	78.304	7.67	7.62	2.62	
5864.00	30.730	51.920	5843.07	36.55	41.58	108.60	1635187.36	496441.64	39°51'24.959"N	80°41'14.391"W	116.29	69.052	7.68	7.66	1.47	
5953.00	35.910	51.740	5917.42	37.49	71.78	147.02	1635226.18	496471.34	39°51'25.258"N	80°41'13.899"W	163.61	63.976	5.82	5.82	-0.20	
6043.00	35.890	51.490	5990.32	38.30	104.55	188.39	1635267.97	496503.56	39°51'25.582"N	80°41'13.368"W	215.45	60.970	0.16	-0.02	-0.28	
6132.00	35.740	53.920	6062.50	40.10	136.10	229.81	1635309.81	496534.56	39°51'26.894"N	80°41'12.837"W	267.09	59.364	1.61	-0.17	2.73	
6221.00	35.920	64.050	6134.72	47.56	162.86	274.33	1635354.67	496560.72	39°51'26.158"N	80°41'12.266"W	319.03	59.304	6.66	0.20	11.38	
6311.00	38.320	75.770	6206.57	65.48	181.30	325.19	1635405.77	496578.48	39°51'26.340"N	80°41'11.614"W	372.31	60.860	8.29	2.67	13.02	
6400.00	41.760	87.830	6274.80	95.09	189.22	381.65	1635462.33	496585.65	39°51'26.418"N	80°41'10.890"W	425.98	63.629	9.52	3.87	13.55	
6489.00	46.280	96.920	6338.85	136.24	186.46	443.29	1635523.92	496582.08	39°51'26.391"N	80°41'10.100"W	480.91	67.187	8.72	5.08	10.21	
6579.00	51.390	107.020	6398.15	189.07	172.22	509.34	1635589.77	496566.97	39°51'26.250"N	80°41'09.253"W	537.66	71.319	10.17	5.68	11.22	
6668.00	56.830	115.520	6450.37	251.82	145.94	576.33	1635656.41	496539.81	39°51'25.991"N	80°41'08.394"W	594.52	75.790	9.85	6.11	9.55	
6757.00	62.630	120.070	6495.23	322.59	110.05	644.23	1635723.83	496503.02	39°51'25.636"N	80°41'07.523"W	653.56	80.306	7.87	6.52	5.11	
6847.00	70.740	125.720	6530.85	401.20	65.12	713.47	1635792.46	496457.18	39°51'25.192"N	80°41'06.635"W	716.43	84.785	10.69	9.01	6.28	
6936.00	77.310	130.940	6555.34	484.70	12.05	780.49	1635858.77	496403.24	39°51'24.667"N	80°41'05.776"W	780.58	89.115	9.29	7.38	5.87	
7025.00	83.710	135.800	6570.02	571.69	-48.21	844.22	1635921.69	496342.15	39°51'24.072"N	80°41'04.959"W	845.60	93.268	8.98	7.19	5.46	

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Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #09
Area	Marshall County, WV	Well	Taylor B 9H
Field	Marshall County	Wellbore	Taylor B 9H AWP
Facility	Taylor B Pad		

WELLPATH DATA (212 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
7114.00	87.230	140.700	6577.05	660.29	-114.37	903.26	1635979.85	496275.21	39°51'23.418"N	80°41'04.202"W	910.48	97.216	6.76	3.96	5.51	
7204.00	87.050	140.750	6581.54	750.18	-183.96	960.17	1636035.83	496204.89	39°51'22.730"N	80°41'03.472"W	977.63	100.846	0.21	-0.20	0.06	
7293.00	87.200	140.510	6586.01	839.06	-252.67	1016.55	1636091.30	496135.43	39°51'22.051"N	80°41'02.749"W	1047.48	103.958	0.32	0.17	-0.27	
7382.00	86.950	143.230	6590.55	927.92	-322.58	1071.43	1636145.24	496064.81	39°51'21.360"N	80°41'02.045"W	1118.93	106.756	3.07	-0.28	3.06	
7472.00	91.420	149.450	6591.83	1017.41	-397.43	1121.27	1636194.08	495989.31	39°51'20.621"N	80°41'01.406"W	1189.82	109.517	8.51	-4.97	6.91	
7561.00	92.220	146.580	6589.00	1105.64	-472.87	1168.38	1636240.19	495913.26	39°51'19.875"N	80°41'00.802"W	1260.44	112.034	3.35	0.90	-3.22	
7650.00	91.110	140.510	6586.41	1194.45	-544.39	1221.22	1636292.08	495841.05	39°51'19.168"N	80°41'00.125"W	1337.06	114.026	6.93	-1.25	-6.82	
7740.00	89.570	139.430	6585.88	1284.44	-613.30	1279.10	1636349.04	495771.38	39°51'18.487"N	80°40'59.383"W	1418.53	115.617	2.09	-1.71	-1.20	
7829.00	90.370	137.720	6585.93	1373.37	-680.03	1337.98	1636407.03	495703.88	39°51'17.828"N	80°40'58.628"W	1500.88	116.942	2.12	0.90	-1.92	
7919.00	89.290	135.310	6586.19	1463.12	-745.33	1399.91	1636468.09	495637.78	39°51'17.182"N	80°40'57.834"W	1585.96	118.031	2.93	-1.20	-2.68	
8008.00	88.770	137.490	6587.70	1551.85	-809.77	1461.28	1636528.59	495572.54	39°51'16.546"N	80°40'57.047"W	1670.64	118.993	2.52	-0.58	2.45	
8097.00	89.350	141.360	6589.16	1640.80	-877.34	1519.15	1636585.56	495504.21	39°51'15.878"N	80°40'56.305"W	1754.29	120.007	4.40	0.65	4.35	
8187.00	89.020	145.270	6590.44	1730.68	-949.50	1572.90	1636638.35	495431.35	39°51'15.165"N	80°40'55.616"W	1837.27	121.118	4.36	-0.37	4.34	
8276.00	88.740	146.650	6592.18	1819.29	-1023.23	1622.71	1636687.18	495356.97	39°51'14.436"N	80°40'54.977"W	1918.38	122.234	1.58	-0.31	1.55	
8365.00	88.400	148.970	6594.40	1907.58	-1096.52	1670.10	1636733.57	495281.07	39°51'13.692"N	80°40'54.369"W	1999.00	123.335	2.63	-0.38	2.61	
8454.00	89.260	152.390	6596.22	1995.21	-1178.09	1713.67	1636776.11	495202.93	39°51'12.925"N	80°40'53.811"W	2078.42	124.462	3.96	0.97	3.84	
8544.00	89.690	144.610	6597.05	2084.31	-1252.77	1760.65	1636822.07	495125.64	39°51'12.167"N	80°40'53.208"W	2160.86	125.433	8.66	0.48	-8.64	
8633.00	89.380	138.280	6597.77	2173.25	-1322.33	1816.09	1636876.59	495055.36	39°51'11.480"N	80°40'52.498"W	2246.50	126.059	7.12	-0.35	-7.11	
8723.00	89.420	137.290	6598.71	2263.13	-1388.98	1876.56	1636936.17	494987.92	39°51'10.821"N	80°40'51.722"W	2334.68	126.508	1.10	0.04	-1.10	
8812.00	88.920	139.720	6600.00	2352.04	-1455.63	1935.52	1636994.23	494920.50	39°51'10.162"N	80°40'50.966"W	2421.79	126.945	2.79	-0.56	2.73	
8901.00	88.890	141.390	6601.70	2441.02	-1524.34	1992.05	1637049.85	494851.05	39°51'09.483"N	80°40'50.242"W	2508.36	127.424	1.88	-0.03	1.88	
8990.00	89.570	140.410	6602.90	2530.01	-1593.40	2048.18	1637105.05	494781.25	39°51'08.801"N	80°40'49.522"W	2594.99	127.882	1.34	0.76	-1.10	
9080.00	89.750	139.160	6603.43	2620.00	-1662.13	2106.28	1637162.24	494711.77	39°51'08.122"N	80°40'48.777"W	2683.11	128.278	1.40	0.20	-1.39	
9169.00	90.740	136.890	6603.05	2708.89	-1728.29	2165.80	1637220.88	494644.83	39°51'07.468"N	80°40'48.014"W	2770.86	128.590	2.78	1.11	-2.55	
9259.00	90.490	133.900	6602.09	2798.49	-1792.35	2228.99	1637283.21	494579.94	39°51'06.834"N	80°40'47.204"W	2860.23	128.803	3.33	-0.28	-3.32	
9348.00	89.600	132.020	6602.02	2886.66	-1853.00	2294.12	1637347.53	494518.44	39°51'06.235"N	80°40'46.369"W	2949.00	128.928	2.34	-1.00	-2.11	
9438.00	89.200	134.280	6602.96	2975.87	-1914.55	2359.77	1637412.36	494456.04	39°51'05.627"N	80°40'45.527"W	3038.75	129.053	2.55	-0.44	2.51	
9527.00	89.540	136.650	6603.94	3064.48	-1977.98	2422.18	1637473.92	494391.79	39°51'05.000"N	80°40'44.727"W	3127.20	129.235	2.69	0.38	2.66	
9616.00	89.540	134.560	6604.65	3153.12	-2041.57	2484.44	1637535.33	494327.39	39°51'04.371"N	80°40'43.929"W	3215.66	129.411	2.35	0.00	-2.35	
9705.00	89.060	133.790	6605.72	3241.53	-2103.58	2548.27	1637598.33	494264.54	39°51'03.758"N	80°40'43.110"W	3304.35	129.539	1.01	-0.52	-0.37	

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9795.00	89.020	138.540	6607.22	3331.20	-2168.48	2610.57	1637659.77	494198.83	39°51'03.117"N	80°40'42.312"W	3393.73	129.715	5.28	-0.07	5.28	
9884.00	88.740	144.470	6608.96	3420.14	-2238.09	2665.94	1637714.21	494128.49	39°51'02.429"N	80°40'41.602"W	3480.84	130.014	6.67	-0.31	6.66	
9973.00	89.570	143.680	6610.27	3508.97	-2310.15	2718.15	1637765.46	494055.75	39°51'01.717"N	80°40'40.933"W	3567.23	130.361	1.29	0.93	-0.89	
10063.00	89.600	142.140	6610.92	3598.90	-2381.94	2772.42	1637818.77	493983.26	39°51'01.007"N	80°40'40.237"W	3655.13	130.668	1.71	0.03	-1.71	
10152.00	90.376	140.510	6610.95	3687.90	-2451.42	2828.04	1637873.46	493913.05	39°51'00.321"N	80°40'39.524"W	3742.62	130.920	2.03	0.87	-1.83	
10242.00	90.680	139.670	6610.12	3777.89	-2520.45	2885.78	1637930.28	493843.27	39°50'59.638"N	80°40'38.784"W	3831.50	131.134	0.99	0.34	-0.93	
10331.00	88.490	136.010	6610.77	3866.75	-2586.40	2945.50	1637989.12	493776.53	39°50'58.986"N	80°40'38.018"W	3919.88	131.286	4.79	-2.46	-4.11	
10421.00	89.260	136.960	6612.53	3956.48	-2651.66	3007.45	1638050.21	493710.47	39°50'58.342"N	80°40'37.224"W	4009.50	131.402	1.36	0.86	1.06	
10510.00	89.260	139.430	6613.68	4045.38	-2717.99	3066.77	1638108.64	493643.36	39°50'57.686"N	80°40'36.463"W	4097.87	131.550	2.78	0.00	2.78	
10600.00	89.080	143.060	6614.99	4135.35	-2788.18	3123.10	1638164.03	493572.46	39°50'56.992"N	80°40'35.741"W	4186.59	131.757	4.04	-0.20	4.03	
10690.00	89.660	142.010	6615.98	4225.30	-2859.59	3177.84	1638217.82	493500.32	39°50'56.286"N	80°40'35.040"W	4275.03	131.983	1.33	0.64	-1.17	
10779.00	90.710	139.710	6615.69	4314.29	-2928.61	3234.01	1638273.07	493430.56	39°50'55.604"N	80°40'34.319"W	4362.98	132.163	2.84	1.18	-2.58	
10869.00	88.550	137.030	6616.27	4404.20	-2995.87	3293.79	1638331.95	493362.52	39°50'54.940"N	80°40'33.553"W	4452.44	132.288	3.82	-2.40	-2.98	
10958.00	89.540	137.780	6617.75	4493.04	-3061.38	3354.01	1638391.30	493296.23	39°50'54.292"N	80°40'32.781"W	4541.08	132.388	1.40	1.11	0.84	
11048.00	89.350	140.930	6618.63	4583.00	-3129.65	3412.63	1638449.00	493227.18	39°50'53.617"N	80°40'32.030"W	4630.41	132.523	3.51	-0.21	3.50	
11137.00	89.350	146.270	6619.64	4671.85	-3201.26	3465.42	1638500.84	493154.89	39°50'52.910"N	80°40'31.353"W	4717.75	132.731	6.00	0.00	6.00	
11226.00	88.890	147.700	6621.00	4760.31	-3275.87	3513.90	1638548.33	493079.64	39°50'52.172"N	80°40'30.731"W	4804.05	132.992	1.69	-0.52	1.61	
11316.00	89.540	149.270	6622.24	4849.47	-3352.59	3560.94	1638594.35	493002.32	39°50'51.414"N	80°40'30.128"W	4890.83	133.274	1.89	0.72	1.74	
11405.00	91.290	145.920	6621.59	4937.81	-3427.72	3608.63	1638641.04	492926.57	39°50'50.671"N	80°40'29.517"W	4977.09	133.527	4.25	1.97	-3.76	
11494.00	89.420	141.070	6621.04	5026.68	-3499.23	3661.55	1638693.01	492854.37	39°50'49.965"N	80°40'28.839"W	5064.74	133.701	5.84	-2.10	-5.45	
11584.00	89.820	139.080	6621.64	5116.67	-3568.24	3719.31	1638749.85	492784.60	39°50'49.282"N	80°40'28.098"W	5154.19	133.812	2.26	0.44	-2.21	
11673.00	89.570	137.450	6622.11	5205.58	-3634.65	3778.55	1638808.20	492717.42	39°50'48.626"N	80°40'27.339"W	5242.92	133.888	1.85	-0.28	-1.83	
11763.00	89.350	137.060	6622.98	5295.41	-3700.75	3839.64	1638868.41	492650.53	39°50'47.973"N	80°40'26.556"W	5332.76	133.945	0.50	-0.24	-0.43	
11852.00	89.510	140.920	6623.84	5384.35	-3767.89	3898.02	1638925.90	492582.62	39°50'47.309"N	80°40'25.807"W	5421.40	134.027	4.34	0.18	4.34	
11942.00	89.320	139.290	6624.76	5474.33	-3836.93	3955.74	1638982.69	492512.82	39°50'46.627"N	80°40'25.068"W	5510.89	134.127	1.82	-0.21	-1.81	
12031.00	89.450	137.650	6625.72	5563.26	-3903.55	4014.75	1639040.81	492445.43	39°50'45.968"N	80°40'24.311"W	5599.63	134.195	1.85	0.15	-1.84	
12121.00	88.800	141.520	6627.09	5653.21	-3972.05	4073.08	1639098.23	492376.17	39°50'45.291"N	80°40'23.564"W	5689.22	134.281	4.36	-0.72	4.30	
12210.00	89.200	147.070	6628.65	5741.99	-4044.29	4124.99	1639149.18	492303.26	39°50'44.577"N	80°40'22.898"W	5776.83	134.434	6.25	0.45	6.24	
12299.00	89.630	146.690	6629.56	5830.47	-4118.82	4173.62	1639196.81	492228.09	39°50'43.841"N	80°40'22.275"W	5863.77	134.621	0.64	0.48	-0.43	
12389.00	90.060	142.870	6629.80	5920.23	-4192.33	4225.51	1639247.73	492153.91	39°50'43.114"N	80°40'21.610"W	5952.36	134.774	4.27	0.48	-4.24	

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Taylor B 9H AWP Proj: 15237

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #09
Area	Marshall County, WV	Well	Taylor B 9H
Field	Marshall County	Wellbore	Taylor B 9H AWP
Facility	Taylor B Pad		

WELLPATH DATA (212 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
12478.00	88.890	137.980	6630.62	6009.20	-4260.91	4282.19	1639303.49	492084.59	39°50'42.436"N	80°40'20.883"W	6040.90	134.857	5.65	-1.31	-5.49	
12567.00	89.230	140.780	6632.08	6098.15	-4328.45	4340.12	1639360.52	492016.30	39°50'41.769"N	80°40'20.141"W	6129.61	134.923	3.17	0.38	3.15	
12657.00	88.980	144.570	6633.48	6188.07	-4399.99	4394.67	1639414.12	491944.04	39°50'41.061"N	80°40'19.441"W	6218.77	135.035	4.22	-0.28	4.21	
12746.00	89.720	145.280	6634.49	6276.83	-4472.83	4445.81	1639464.29	491870.54	39°50'40.342"N	80°40'18.786"W	6306.46	135.174	1.15	0.83	0.80	
12836.00	89.910	142.540	6634.78	6366.68	-4545.55	4498.82	1639516.33	491797.13	39°50'39.823"N	80°40'18.106"W	6395.42	135.296	3.05	0.21	-3.04	
12925.00	89.480	138.960	6635.26	6455.66	-4614.46	4555.12	1639571.71	491727.49	39°50'38.942"N	80°40'17.385"W	6484.01	135.371	4.05	-0.48	-4.02	
13015.00	89.510	139.680	6636.05	6545.83	-4682.70	4613.79	1639629.46	491658.47	39°50'38.267"N	80°40'16.633"W	6573.79	135.425	0.80	0.03	0.80	
13104.00	88.980	138.500	6637.22	6634.59	-4749.96	4672.06	1639686.84	491590.46	39°50'37.602"N	80°40'15.886"W	6662.60	135.474	1.45	-0.60	-1.33	
13194.00	89.510	138.060	6638.41	6724.50	-4817.13	4731.95	1639745.84	491522.50	39°50'36.938"N	80°40'15.118"W	6752.49	135.511	0.77	0.59	-0.49	
13283.00	89.780	135.070	6638.96	6813.25	-4881.75	4793.13	1639806.16	491457.08	39°50'36.300"N	80°40'14.334"W	6841.46	135.525	3.37	0.30	-3.36	
13372.00	89.200	132.980	6639.75	6901.63	-4943.59	4857.12	1639869.32	491394.40	39°50'35.688"N	80°40'13.514"W	6930.42	135.506	2.44	-0.65	-2.35	
13462.00	88.650	137.120	6641.44	6991.15	-5007.26	4920.68	1639932.02	491329.90	39°50'35.059"N	80°40'12.699"W	7020.38	135.500	4.64	-0.61	4.60	
13551.00	88.520	141.590	6643.64	7080.08	-5074.76	4978.62	1639989.06	491261.65	39°50'34.392"N	80°40'11.956"W	7109.14	135.548	5.02	-0.15	5.02	
13641.00	89.200	145.670	6645.43	7169.93	-5147.19	5031.97	1640041.45	491188.52	39°50'33.676"N	80°40'11.273"W	7198.22	135.649	4.59	0.76	4.53	
13730.00	89.880	141.970	6646.15	7258.78	-5219.02	5084.50	1640093.02	491116.01	39°50'32.966"N	80°40'10.599"W	7286.30	135.748	4.23	0.76	-4.16	
13820.00	89.230	141.010	6646.85	7348.76	-5289.44	5140.53	1640148.11	491044.86	39°50'32.270"N	80°40'09.881"W	7375.85	135.818	1.29	-0.72	-1.07	
13909.00	89.200	139.350	6648.07	7437.75	-5357.79	5197.52	1640204.19	490975.77	39°50'31.594"N	80°40'09.151"W	7464.59	135.870	1.87	-0.03	-1.87	
13998.00	89.540	137.690	6649.04	7526.67	-5424.46	5256.46	1640262.24	490908.33	39°50'30.935"N	80°40'08.395"W	7553.49	135.901	1.90	0.38	-1.87	
14087.00	89.230	138.760	6650.00	7615.58	-5490.83	5315.75	1640320.65	490841.18	39°50'30.279"N	80°40'07.635"W	7642.41	135.928	1.25	-0.35	1.20	
14177.00	89.910	142.780	6650.68	7705.56	-5560.53	5372.66	1640376.62	490770.74	39°50'29.591"N	80°40'06.906"W	7732.07	135.984	4.53	0.76	4.47	
14266.00	90.120	142.470	6650.65	7794.51	-5631.25	5426.68	1640429.71	490699.31	39°50'28.891"N	80°40'06.214"W	7820.48	136.060	0.42	0.24	-0.35	
14355.00	89.630	141.540	6650.85	7883.49	-5701.39	5481.47	1640483.56	490628.46	39°50'28.198"N	80°40'05.512"W	7909.00	136.127	1.18	-0.55	-1.04	
14445.00	89.510	141.400	6651.52	7973.48	-5771.79	5537.53	1640538.68	490557.33	39°50'27.502"N	80°40'04.793"W	7998.61	136.187	0.20	-0.13	-0.16	
14534.00	89.570	137.610	6652.24	8062.44	-5839.46	5595.31	1640595.56	490488.90	39°50'26.833"N	80°40'04.052"W	8087.45	136.223	4.26	0.07	-4.26	
14624.00	89.600	135.210	6652.88	8152.17	-5904.64	5657.36	1640656.74	490422.91	39°50'26.189"N	80°40'03.257"W	8177.44	136.225	2.67	0.03	-2.67	
14713.00	89.260	136.160	6653.77	8240.82	-5968.31	5719.53	1640718.06	490358.42	39°50'25.560"N	80°40'02.460"W	8266.43	136.219	1.13	-0.38	1.07	
14802.00	89.570	142.200	6654.68	8329.75	-6035.63	5777.68	1640775.31	490290.35	39°50'24.894"N	80°40'01.715"W	8355.26	136.251	6.80	0.35	6.79	
14891.00	89.540	143.250	6655.37	8418.69	-6106.45	5831.58	1640828.26	490218.83	39°50'24.194"N	80°40'01.024"W	8443.70	136.319	1.18	-0.03	1.18	
14981.00	89.630	141.390	6656.03	8508.65	-6177.67	5886.59	1640882.32	490146.89	39°50'23.490"N	80°40'00.319"W	8533.20	136.382	2.07	0.10	-2.07	
15070.00	89.290	138.530	6656.87	8597.83	-6245.80	5943.84	1640938.66	490078.01	39°50'22.817"N	80°39'59.586"W	8622.02	136.419	3.24	-0.38	-3.21	

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Taylor B 9H AWP Proj: 15237'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #09
Area	Marshall County, WV	Well	Taylor B 9H
Field	Marshall County	Wellbore	Taylor B 9H AWB
Facility	Taylor B Pad		

WELLPATH DATA (212 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
15159.00	88.490	140.940	6658.59	8686.59	-6313.70	6001.34	1640995.26	490009.37	39°50'22.146"N	80°39'58.849"W	8710.85	136.453	2.85	-0.90	2.71	
15237.00	88.490	140.940	6660.65	8764.56	-6374.24	6050.48	1641043.59	489948.18	39°50'21.547"N	80°39'58.219"W	8788.58	136.493	0.00	0.00	0.00	Projected MD at TD: 15237'

HOLE & CASING SECTIONS - Ref Wellbore: Taylor B 9H AWB Ref Wellpath: Taylor B 9H AWP Proj: 15237'									
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	-4.51	2.23
13.375in Casing Surface	25.00	588.33	563.33	25.00	588.29	0.00	0.00	-4.51	2.23
12.25in Open Hole	588.33	2249.33	1661.00	588.29	2248.09	-4.51	2.23	-29.07	28.56
9.625in Casing Intermediate	25.00	2228.00	2203.00	25.00	2226.76	0.00	0.00	-29.26	28.53
8.5in Open Hole	2228.00	15237.00	13009.00	2226.76	6660.65	-29.26	28.53	-6374.24	6050.48
5.5in Casing Production	25.00	15237.00	15212.00	25.00	6660.65	0.00	0.00	-6374.24	6050.48

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Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #09
Area	Marshall County, WV	Well	Taylor B 9H
Field	Marshall County	Wellbore	Taylor B 9H 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 9H LP Rev-3	6584.00	-114.17	901.05	1635977.64	496275.44	39°51'23.420"N	80°41'04.230"W	point
Taylor B 9H BHL Rev-3	6668.89	-6389.15	6032.46	1641025.38	489933.51	39°50'21.400"N	80°39'58.450"W	point
Taylor B Buffer1	6746.33	23.66	-102.31	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon
Taylor B Buffer2	6746.33	23.66	-102.31	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon
Taylor B Buffer3	6746.33	23.66	-102.31	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon
Taylor B Buffer4	6746.33	23.66	-102.31	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon
Taylor B LL1	6796.33	23.66	-102.31	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon
Taylor B LL2	6796.33	23.66	-102.31	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: Taylor B 9H AWB Ref Wellpath: Taylor B 9H AWP Proj: 15237'				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	534.33	BHI Generic gyro - northseeking (Standard)	01_Gyrodata MS Gyro <17-1/2"> (50'-526')	Taylor B 9H AWB
534.33	2174.33	BHI NaviTrak (Axial)	02_APS EM <12-1/4"> (526')(590'-2166') Proj:2241'	Taylor B 9H AWB
2174.33	5343.00	NaviTrak (Magcorr+IFR1)	03_BHI NaviTrak <8-1/2">(2174.33')(2296'-5343')	Taylor B 9H AWB
5343.00	15159.00	BHI AutoTrak Curve (IFR1)	04_BH AT Curve <8-1/2"> (5343')(5417'-15159')	Taylor B 9H AWB
15159.00	15237.00	Blind Drilling (std)	Projection to bit	Taylor B 9H AWB

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REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #09
Area	Marshall County, WV	Well	Taylor B 9H
Field	Marshall County	Wellbore	Taylor B 9H AWB
Facility	Taylor B Pad		

COMMENTS

Wellpath general comments

API: 47-051-01799-0000

BHI Job #: 8863453

Rig: Precision 560

Duration: 11/21/2017-11/26/2017

Gyrodata MS Gyro <17-1/2">(50'-526')

APS EM <12-1/4">(526')(590'-2166')

BHI NaviTrak IFR Axial <8-1/2"> (2174.33')(2296'-5343')

BHI AT Curve IFR <8-1/2"> (5343')(5417'-15159')

Projected MD at TD: 15237'

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