



# Actual Wellpath Report

Taylor B 4H AWP Proj: 16022'  
Page 1 of 11



REFERENCE WELLPATH IDENTIFICATION		
Operator	CHEVRON APPALACHIA, LLC	Slot #04
Area	Marshall County, WV	Taylor B 4H
Field	Marshall County	Taylor B 4H AWB
Facility	Taylor B Pad	

REPORT SETUP INFORMATION	
Projection System	NAD83 / Lambert West Virginia SP, Northern Zone (4701), US feet
North Reference	True
Scale	0.999949
Convergence at slot	0.76° West
Software System	WellArchitect® 5.1
User	Delaset
Report Generated	31/Oct/2017 at 15:11
Database/Source file	WA_MPL_EasternUS_Defn/Taylor_B_4H_AWP_Proj_16022_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-15.84	40.59	1635005.39	496419.37	39°51'24.716"N	80°41'16.721"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
Horizontal Reference Pt	Slot
Vertical Reference Pt	Precision 560 (RKB)
MD Reference Pt	Precision 560 (RKB)
Field Vertical Reference	Mean Sea Level
	Precision 560 (RKB) to Facility Vertical Datum
	Precision 560 (RKB) to Mean Sea Level
	Precision 560 (RKB) to Mud Line at Slot (Slot #04)
	Section Origin
	Section Azimuth
	25.00ft
	1235.00ft
	25.00ft
	N 0.00, E 0.00 ft
	320.25°

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Page 2 of 11



## REFERENCE WELLPATH IDENTIFICATION

Operator	Slot	Slot #04
CHEVRON APPALACHIA, LLC	Well	Taylor B 4H
Marshall County, WV	Wellbore	Taylor B 4H AWB
Marshall County		
Taylor B Pad		

## WELLPATH DATA (223 stations) † = interpolated/extrapolated station

ID	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
°	°	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft/100ft	ft/100ft	ft/100ft	
0.00H	0.000	167.320	0.00	0.00	0.00	0.00	1635005.39	496419.37	39°51'24.716"N	80°41'16.721"W	0.00	0.000	0.00	0.00	0.00	
25.00	0.000	167.320	25.00	0.00	0.00	0.00	1635005.39	496419.37	39°51'24.716"N	80°41'16.721"W	0.00	0.000	0.00	0.00	0.00	
58.33	0.660	167.320	58.33	-0.17	-0.19	0.04	1635005.43	496419.18	39°51'24.714"N	80°41'16.720"W	0.19	167.320	1.98	1.98	502.01	Gyrodatta MS Gyro <17-1/2">(50'-514')
83.33	0.750	170.160	83.33	-0.44	-0.49	0.10	1635005.49	496418.88	39°51'24.711"N	80°41'16.720"W	0.50	168.250	0.39	0.36	11.36	
108.33	0.890	176.570	108.33	-0.74	-0.84	0.14	1635005.52	496418.52	39°51'24.707"N	80°41'16.719"W	0.86	170.497	0.67	0.56	25.64	
133.33	0.960	187.840	133.33	-1.04	-1.25	0.12	1635005.50	496418.12	39°51'24.703"N	80°41'16.719"W	1.25	174.298	0.78	0.28	45.08	
158.33	0.890	203.860	158.33	-1.26	-1.63	0.02	1635005.39	496417.74	39°51'24.699"N	80°41'16.721"W	1.63	179.395	1.07	-0.28	64.08	
183.33	0.850	220.560	183.33	-1.38	-1.95	-0.18	1635005.18	496417.42	39°51'24.696"N	80°41'16.723"W	1.96	185.332	1.02	0.16	66.80	
208.33	0.650	222.340	208.33	-1.43	-2.19	-0.40	1635004.96	496417.18	39°51'24.694"N	80°41'16.726"W	2.23	190.279	0.81	-0.80	7.12	
233.33	0.450	226.830	233.33	-1.46	-2.37	-0.57	1635004.79	496417.01	39°51'24.692"N	80°41'16.728"W	2.43	193.430	0.82	-0.80	17.96	
258.33	0.450	245.860	258.33	-1.44	-2.47	-0.73	1635004.63	496416.91	39°51'24.691"N	80°41'16.730"W	2.58	196.362	0.60	0.00	76.12	
283.33	0.450	241.440	283.33	-1.39	-2.56	-0.90	1635004.45	496416.82	39°51'24.690"N	80°41'16.733"W	2.72	199.405	0.14	0.00	-17.68	
308.33	0.330	239.370	308.33	-1.36	-2.64	-1.05	1635004.30	496416.74	39°51'24.689"N	80°41'16.734"W	2.85	201.661	0.48	-0.48	-8.28	
333.33	0.290	249.200	333.33	-1.33	-2.70	-1.17	1635004.18	496416.68	39°51'24.689"N	80°41'16.736"W	2.95	203.425	0.27	-0.16	39.32	
358.33	0.070	238.360	358.33	-1.31	-2.73	-1.24	1635004.11	496416.65	39°51'24.688"N	80°41'16.737"W	3.00	204.457	0.89	-0.88	-43.36	
383.33	0.280	350.830	383.33	-1.25	-2.68	-1.27	1635004.09	496416.71	39°51'24.689"N	80°41'16.737"W	2.97	205.275	1.25	0.84	449.88	
408.33	0.180	13.600	408.33	-1.18	-2.58	-1.27	1635004.09	496416.80	39°51'24.690"N	80°41'16.737"W	2.88	206.121	0.53	-0.40	91.08	
433.33	0.030	206.870	433.33	-1.16	-2.55	-1.26	1635004.10	496416.84	39°51'24.690"N	80°41'16.737"W	2.85	206.294	0.84	-0.60	-666.92	
458.33	0.120	190.640	458.33	-1.17	-2.58	-1.27	1635004.09	496416.80	39°51'24.690"N	80°41'16.737"W	2.88	206.155	0.37	0.36	-64.92	
483.33	0.200	169.730	483.33	-1.23	-2.65	-1.27	1635004.09	496416.74	39°51'24.689"N	80°41'16.737"W	2.94	205.513	0.39	0.32	-83.64	
508.33	0.150	132.730	508.33	-1.30	-2.72	-1.23	1635004.12	496416.67	39°51'24.689"N	80°41'16.737"W	2.98	204.423	0.48	-0.20	-148.00	
522.33	0.030	20.760	522.33	-1.32	-2.73	-1.22	1635004.14	496416.66	39°51'24.689"N	80°41'16.737"W	2.99	204.093	1.17	-0.86	-799.79	
598.33	0.030	322.240	598.33	-1.29	-2.69	-1.22	1635004.13	496416.70	39°51'24.689"N	80°41'16.737"W	2.96	204.456	0.04	0.00	-77.00	APS EM <12-1/4">(514')(590'-2175')
629.33	0.100	255.320	629.33	-1.27	-2.69	-1.26	1635004.10	496416.70	39°51'24.689"N	80°41'16.737"W	2.97	204.999	0.30	0.23	-215.87	
660.33	0.100	189.650	660.33	-1.27	-2.72	-1.29	1635004.07	496416.66	39°51'24.688"N	80°41'16.737"W	3.01	205.299	0.35	0.00	-21.84	
691.33	0.110	279.590	691.33	-1.27	-2.75	-1.32	1635004.03	496416.64	39°51'24.688"N	80°41'16.738"W	3.05	205.661	0.48	0.03	290.13	
723.33	0.000	81.310	723.33	-1.24	-2.74	-1.35	1635004.00	496416.65	39°51'24.688"N	80°41'16.738"W	3.06	206.214	0.34	-0.34	251.28	
754.33	0.170	246.600	754.33	-1.23	-2.76	-1.39	1635003.96	496416.63	39°51'24.688"N	80°41'16.739"W	3.09	206.767	0.55	0.55	-365.81	
785.33	0.030	310.140	785.33	-1.21	-2.77	-1.44	1635003.91	496416.62	39°51'24.688"N	80°41'16.739"W	3.12	207.452	0.51	-0.45	204.97	
816.33	0.080	172.530	816.33	-1.22	-2.79	-1.44	1635003.91	496416.60	39°51'24.688"N	80°41'16.738"W	3.14	207.370	0.34	0.16	-443.90	

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Page 3 of 11



## REFERENCE WELLPATH IDENTIFICATION

Operator	Slot	Slot #04
CHEVRON APPALACHIA, LLC	Well	Taylor B 4H
Area	Wellbore	Taylor B 4H AWP
Field		
Facility		

## WELLPATH DATA (223 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	0.310	188.390	847.31	-1.30	-2.89	-1.45	1635003.90	496416.50	39°51'24.687"N	80°41'16.740"W	3.24	206.669	0.76	0.74	51.16	
878.33	0.690	194.910	878.31	-1.46	-3.16	-1.51	1635003.83	496416.23	39°51'24.684"N	80°41'16.740"W	3.50	205.616	1.24	1.23	21.03	
910.33	1.140	191.910	910.30	-1.77	-3.65	-1.63	1635003.71	496415.74	39°51'24.679"N	80°41'16.742"W	4.00	204.023	1.41	1.41	-9.38	
941.33	1.660	193.160	941.29	-2.23	-4.39	-1.79	1635003.54	496415.00	39°51'24.672"N	80°41'16.744"W	4.75	202.220	1.68	1.68	4.03	
972.33	2.350	192.290	972.27	-2.90	-5.48	-2.03	1635003.28	496413.94	39°51'24.662"N	80°41'16.747"W	5.63	200.429	2.36	2.35	-2.81	
1003.33	3.150	192.930	1003.24	-3.81	-6.92	-2.36	1635002.94	496412.48	39°51'24.647"N	80°41'16.751"W	7.32	198.841	2.45	2.45	2.06	
1034.33	3.220	194.850	1034.19	-4.83	-8.60	-2.78	1635002.50	496410.81	39°51'24.631"N	80°41'16.757"W	8.03	197.901	0.41	0.33	6.19	
1065.33	3.320	189.340	1065.14	-5.93	-10.32	-3.15	1635002.11	496409.09	39°51'24.613"N	80°41'16.761"W	10.79	196.945	1.06	0.32	-17.77	
1096.33	3.800	193.110	1096.08	-7.13	-12.21	-3.52	1635001.71	496407.21	39°51'24.595"N	80°41'16.766"W	12.71	196.100	1.72	1.55	12.16	
1127.33	4.230	192.870	1127.00	-8.45	-14.32	-4.01	1635001.19	496405.10	39°51'24.574"N	80°41'16.772"W	14.68	195.645	1.39	1.39	-0.77	
1158.33	4.400	194.630	1157.92	-9.83	-16.59	-4.57	1635000.60	496402.84	39°51'24.562"N	80°41'16.780"W	17.21	195.391	0.70	0.55	5.68	
1190.33	4.310	194.430	1189.82	-11.25	-18.94	-5.18	1634999.96	496400.50	39°51'24.528"N	80°41'16.787"W	19.64	195.284	0.29	-0.28	-0.63	
1221.33	4.240	193.030	1220.74	-12.63	-21.19	-5.72	1634999.39	496398.26	39°51'24.506"N	80°41'16.794"W	21.95	195.121	0.41	-0.23	-4.52	
1252.33	4.320	191.190	1251.65	-14.06	-23.45	-6.21	1634998.87	496396.01	39°51'24.484"N	80°41'16.801"W	24.26	194.833	0.51	0.26	-5.94	
1283.33	4.450	189.710	1282.56	-15.57	-25.78	-6.64	1634998.41	496393.68	39°51'24.461"N	80°41'16.806"W	26.62	194.443	0.56	0.42	-4.77	
1315.33	4.600	187.650	1314.46	-17.25	-28.27	-7.02	1634998.00	496391.19	39°51'24.436"N	80°41'16.811"W	29.13	193.943	0.69	0.47	-6.44	
1346.33	4.730	187.830	1345.36	-18.95	-30.77	-7.36	1634997.63	496388.70	39°51'24.411"N	80°41'16.815"W	31.64	193.449	0.42	0.42	0.58	
1377.33	4.540	193.250	1376.26	-20.55	-33.23	-7.81	1634997.14	496386.25	39°51'24.387"N	80°41'16.821"W	34.14	193.232	1.54	-0.61	17.48	
1408.33	4.020	198.090	1407.17	-21.87	-35.46	-8.43	1634996.49	496384.03	39°51'24.365"N	80°41'16.829"W	36.45	193.377	2.04	-1.88	15.61	
1439.33	3.980	203.350	1438.10	-22.93	-37.47	-9.19	1634995.70	496382.03	39°51'24.345"N	80°41'16.839"W	38.58	193.783	1.21	-0.29	16.97	
1469.33	3.890	204.700	1468.03	-23.83	-39.34	-10.02	1634994.85	496380.17	39°51'24.327"N	80°41'16.850"W	40.59	194.296	0.33	-0.13	4.50	
1500.33	3.770	206.590	1498.96	-24.70	-41.20	-10.92	1634993.93	496378.32	39°51'24.308"N	80°41'16.861"W	42.63	194.843	0.56	-0.39	6.10	
1531.33	3.850	207.230	1529.89	-25.51	-43.04	-11.85	1634992.97	496376.49	39°51'24.290"N	80°41'16.873"W	44.64	195.396	0.29	0.26	2.06	
1562.33	4.060	206.940	1560.81	-26.35	-44.94	-12.83	1634991.97	496374.60	39°51'24.271"N	80°41'16.885"W	46.74	195.927	0.68	0.68	-0.94	
1593.33	4.040	208.940	1590.74	-27.16	-46.82	-13.82	1634990.95	496372.74	39°51'24.253"N	80°41'16.898"W	48.81	196.445	0.48	-0.07	6.67	
1623.33	3.310	210.540	1621.67	-27.86	-48.54	-14.80	1634989.95	496371.03	39°51'24.236"N	80°41'16.911"W	50.75	196.957	2.38	-2.35	5.16	
1654.33	2.880	213.310	1652.63	-28.39	-49.96	-15.68	1634989.05	496369.62	39°51'24.222"N	80°41'16.922"W	52.37	197.427	1.47	-1.39	8.94	
1685.33	2.490	213.570	1683.60	-28.81	-51.18	-16.48	1634988.23	496368.42	39°51'24.210"N	80°41'16.932"W	53.76	197.854	1.26	-1.26	0.84	
1716.33	1.650	204.840	1714.58	-29.19	-52.14	-17.04	1634987.66	496367.46	39°51'24.200"N	80°41'16.940"W	54.86	198.101	2.89	-2.71	-28.16	
1747.33	1.010	194.860	1745.57	-29.54	-52.81	-17.30	1634987.39	496366.80	39°51'24.194"N	80°41'16.943"W	55.57	198.139	2.19	-2.06	-32.19	

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Page 4 of 11



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Marshall County, WV	Wellbore	Taylor B 4H AWB
Marshall County		
Taylor B Pad		

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1809.33	0.360	51.450	1807.56	-29.86	-53.22	-17.29	1634987.40	4963366.39	39°51'24.190"N	80°41'16.943"W	55.96	197.998	2.12	-1.05	-231.31	
1872.33	1.150	41.340	1870.56	-29.77	-52.62	-16.72	1634987.98	4963366.98	39°51'24.195"N	80°41'16.935"W	55.21	197.624	1.27	1.25	-16.05	
1934.33	1.300	27.290	1932.54	-29.40	-51.53	-15.98	1634988.73	4963368.06	39°51'24.206"N	80°41'16.928"W	53.95	197.233	0.54	0.24	-22.66	
1996.33	1.010	22.190	1994.53	-28.86	-50.40	-15.45	1634989.27	4963369.18	39°51'24.217"N	80°41'16.919"W	52.71	197.048	0.50	-0.47	-8.23	
2058.33	1.400	331.210	2056.52	-27.86	-49.23	-15.61	1634989.13	4963370.36	39°51'24.229"N	80°41'16.921"W	51.64	197.587	1.77	0.63	-82.23	
2121.33	2.060	312.870	2119.49	-25.99	-47.78	-16.81	1634989.95	4963371.82	39°51'24.243"N	80°41'16.937"W	50.65	199.386	1.35	1.05	-29.11	
2183.33	1.700	303.970	2181.46	-24.00	-46.51	-18.39	1634986.38	4963373.11	39°51'24.256"N	80°41'16.957"W	50.01	201.577	0.75	-0.58	-14.35	
2264.00	1.420	301.300	2262.10	-21.90	-45.32	-20.24	1634984.55	4963374.32	39°51'24.268"N	80°41'16.980"W	49.64	204.064	0.36	-0.35	-3.31	BHI NavITrak IFR Axial -8-1/2" (2183.33)/(2264-5466)
2331.00	1.610	268.680	2329.08	-20.53	-44.91	-21.89	1634982.91	4963374.75	39°51'24.272"N	80°41'17.002"W	49.96	205.984	1.30	0.28	-48.69	
2421.00	4.300	237.050	2418.95	-19.35	-46.78	-25.99	1634978.79	4963372.94	39°51'24.253"N	80°41'17.054"W	53.51	209.053	3.39	2.99	-35.14	
2511.00	4.850	233.880	2508.68	-18.71	-50.86	-31.89	1634972.83	4963368.94	39°51'24.213"N	80°41'17.130"W	60.03	212.091	0.67	0.61	-3.52	
2601.00	5.190	249.250	2598.32	-17.14	-54.54	-38.77	1634965.90	4963363.22	39°51'24.154"N	80°41'17.218"W	66.92	215.408	1.54	0.38	17.08	
2691.00	5.030	258.460	2687.97	-13.95	-56.77	-46.44	1634958.20	4963363.67	39°51'24.140"N	80°41'17.408"W	79.12	222.651	0.84	-0.83	0.76	
2781.00	4.280	259.140	2777.67	-10.46	-58.19	-53.61	1634951.02	4963361.89	39°51'24.140"N	80°41'17.484"W	84.17	225.015	0.87	-0.83	-3.91	
2870.00	3.540	255.660	2866.46	-7.68	-59.50	-59.53	1634945.08	4963360.60	39°51'24.114"N	80°41'17.548"W	88.70	226.672	0.56	-0.54	-2.19	
2960.00	3.050	253.690	2956.31	-5.53	-60.86	-64.52	1634940.07	4963359.37	39°51'24.114"N	80°41'17.604"W	92.74	227.964	0.37	-0.37	1.12	
3050.00	2.720	254.700	3046.20	-3.70	-62.10	-68.88	1634935.70	4963358.19	39°51'24.102"N	80°41'17.604"W	96.10	229.000	0.66	-0.65	1.71	
3139.00	2.140	256.220	3135.12	-2.10	-63.05	-72.53	1634932.04	4963357.29	39°51'24.092"N	80°41'17.651"W	98.83	229.817	0.42	-0.42	0.50	
3229.00	1.760	256.670	3225.07	-0.75	-63.77	-75.51	1634929.05	4963356.61	39°51'24.085"N	80°41'17.722"W	101.14	230.521	0.24	-0.21	3.58	
3319.00	1.570	259.890	3315.03	0.48	-64.30	-78.07	1634926.49	4963356.11	39°51'24.080"N	80°41'17.750"W	103.05	231.121	0.36	-0.36	0.42	
3408.00	1.250	260.260	3404.00	1.57	-64.68	-80.22	1634924.32	4963355.76	39°51'24.076"N	80°41'17.750"W	104.45	231.222	1.18	-0.52	-64.20	
3498.00	0.780	202.480	3493.99	1.77	-65.41	-81.42	1634923.11	4963355.04	39°51'24.069"N	80°41'17.765"W	105.56	230.960	0.16	-0.01	11.73	
3588.00	0.770	213.040	3583.98	1.31	-66.49	-81.99	1634922.53	4963353.98	39°51'24.058"N	80°41'17.772"W	106.61	230.839	0.25	-0.18	14.61	
3678.00	0.610	226.190	3673.97	1.10	-67.33	-82.66	1634921.85	4963353.15	39°51'24.050"N	80°41'17.781"W	107.49	230.890	0.27	-0.07	25.84	
3767.00	0.550	249.190	3762.97	1.20	-67.51	-83.40	1634921.10	4963352.68	39°51'24.045"N	80°41'17.790"W	108.26	231.001	0.11	-0.09	-7.42	
3857.00	0.470	242.510	3852.97	1.42	-68.13	-84.14	1634920.37	4963352.36	39°51'24.042"N	80°41'17.800"W	108.84	231.147	0.27	-0.09	34.83	
3946.00	0.390	273.510	3941.96	1.70	-68.28	-84.76	1634919.74	4963352.22	39°51'24.041"N	80°41'17.808"W	109.43	231.405	0.23	0.22	-4.84	
4036.00	0.590	269.150	4031.96	2.21	-68.27	-85.53	1634918.97	4963352.24	39°51'24.041"N	80°41'17.818"W	110.10	231.716	0.11	-0.03	10.35	
4125.00	0.560	278.360	4120.96	2.82	-68.21	-86.42	1634918.08	4963352.31	39°51'24.041"N	80°41'17.829"W	110.82	231.922	0.36	-0.29	-30.51	
4215.00	0.300	250.900	4210.95	3.23	-68.22	-87.08	1634917.42	4963352.31	39°51'24.041"N	80°41'17.838"W						

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# Actual Wellpath Report

Taylor B 4H AWP Proj: 16022'

Page 5 of 11



REFERENCE WELLPATH IDENTIFICATION		Slot #04
Operator	CHEVRON APPALACHIA, LLC	Slot
Area	Marshall County, WV	Well
Field	Marshall County	Wellbore
Facility	Taylor B Pad	Taylor B 4H AWB

WELLPATH DATA (223 stations)																
MD ft	Inclination °	Azimuth °	TVD ft	Vert Sec ft	North ft	East ft	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist. ft	Closure Dir °	DLS P/100ft	Build Rate P/100ft	Turn Rate P/100ft	Comments
4304.00	0.480	256.110	4299.95	3.47	-68.39	-87.66	1634916.84	496352.15	39°51'24.04"N	80°41'17.845"W	111.18	232.039	0.21	0.20	5.85	
4394.00	0.590	262.480	4389.95	3.88	-68.54	-88.48	1634916.01	496352.01	39°51'24.038"N	80°41'17.856"W	111.93	232.238	0.14	0.12	7.08	
4484.00	0.430	266.550	4479.94	4.33	-68.62	-89.28	1634915.21	496351.94	39°51'24.037"N	80°41'17.866"W	112.61	232.454	0.18	-0.18	4.52	
4573.00	0.460	285.590	4568.94	4.82	-68.55	-89.96	1634914.54	496352.02	39°51'24.038"N	80°41'17.874"W	113.10	232.694	0.17	0.03	21.39	
4663.00	0.440	276.530	4658.94	5.37	-68.41	-90.65	1634913.85	496352.17	39°51'24.039"N	80°41'17.883"W	113.57	232.960	0.08	-0.02	-10.07	
4753.00	0.760	284.080	4748.93	6.10	-68.22	-91.57	1634912.93	496352.37	39°51'24.041"N	80°41'17.895"W	114.19	233.312	0.37	0.36	8.39	
4842.00	0.550	276.710	4837.93	6.89	-68.03	-92.57	1634911.93	496352.57	39°51'24.043"N	80°41'17.908"W	114.88	233.687	0.25	-0.24	-8.28	
4932.00	0.620	268.920	4927.92	7.50	-67.99	-93.48	1634911.02	496352.63	39°51'24.044"N	80°41'17.920"W	115.59	234.029	0.12	0.08	-8.66	
5022.00	0.420	280.940	5017.92	8.06	-67.94	-94.30	1634910.21	496352.69	39°51'24.044"N	80°41'17.930"W	116.22	234.229	0.25	-0.22	13.36	
5111.00	0.480	288.310	5109.92	8.62	-67.76	-94.95	1634909.55	496352.87	39°51'24.046"N	80°41'17.939"W	116.65	234.487	0.08	0.04	8.28	
5200.00	0.430	301.200	5195.91	9.24	-67.48	-95.58	1634908.93	496353.17	39°51'24.049"N	80°41'17.947"W	117.00	234.779	0.12	-0.03	14.48	
5290.00	0.440	286.080	5285.91	9.87	-67.15	-96.18	1634908.34	496353.50	39°51'24.052"N	80°41'17.954"W	117.30	235.078	0.04	0.01	-5.69	
5379.00	1.950	242.270	5374.89	10.50	-67.70	-97.83	1634906.68	496352.97	39°51'24.046"N	80°41'17.975"W	118.97	235.313	1.94	1.70	-60.46	
5468.00	7.070	234.870	5463.59	11.26	-71.56	-103.65	1634900.81	496349.19	39°51'24.008"N	80°41'18.050"W	125.96	235.377	5.78	5.75	-8.31	
5507.00	7.710	237.160	5502.26	11.76	-74.36	-107.61	1634896.61	496346.44	39°51'23.981"N	80°41'18.103"W	130.97	235.404	1.81	1.64	5.87	BHI AT Curve IFR <8-1/2"> (5488')(6507'--5966')
5597.00	10.050	237.340	5591.18	13.46	-81.88	-119.50	1634884.83	496339.09	39°51'23.906"N	80°41'18.253"W	144.86	235.582	2.60	2.60	0.20	
5686.00	17.160	236.570	5677.62	15.87	-93.31	-137.01	1634867.16	496327.88	39°51'23.793"N	80°41'18.478"W	165.77	235.743	7.99	7.99	-0.87	
5775.00	22.870	235.940	5761.23	19.03	-110.23	-162.29	1634841.67	496311.30	39°51'23.626"N	80°41'18.802"W	196.18	235.815	6.36	6.36	-0.71	
5865.00	30.130	233.300	5841.74	22.00	-133.51	-194.93	1634808.73	496288.46	39°51'23.396"N	80°41'19.220"W	236.26	235.593	8.22	8.12	-2.83	
5954.00	36.830	232.540	5915.93	24.29	-163.08	-234.08	1634769.19	496259.40	39°51'23.104"N	80°41'19.722"W	285.29	235.134	7.55	7.53	-0.95	
6044.00	39.800	232.850	5986.54	26.68	-196.89	-278.46	1634724.37	496226.19	39°51'22.770"N	80°41'20.292"W	341.04	234.736	3.31	3.30	0.34	
6133.00	39.760	232.750	6054.93	29.21	-231.32	-323.82	1634678.56	496192.36	39°51'22.429"N	80°41'20.873"W	397.95	234.459	0.08	-0.04	-0.11	
6222.00	40.290	246.250	6123.22	38.40	-260.20	-372.90	1634629.10	496164.14	39°51'22.144"N	80°41'21.503"W	454.71	235.094	9.76	0.60	15.17	
6312.00	45.070	256.480	6189.47	60.53	-279.39	-430.59	1634571.17	496145.71	39°51'21.954"N	80°41'22.242"W	513.29	237.022	9.30	5.24	11.37	
6401.00	47.790	266.170	6250.92	93.82	-288.96	-494.16	1634507.48	496136.98	39°51'21.860"N	80°41'23.057"W	572.45	239.683	8.47	3.12	10.89	
6490.00	51.030	275.730	6308.90	137.90	-287.71	-561.58	1634440.08	496139.13	39°51'21.872"N	80°41'23.922"W	630.99	242.873	8.93	3.64	10.74	
6580.00	55.950	283.250	6362.86	192.48	-275.71	-632.53	1634369.31	496152.06	39°51'21.991"N	80°41'24.832"W	690.01	246.448	8.23	4.80	8.36	
6669.00	60.070	289.340	6410.42	254.88	-254.53	-704.64	1634297.49	496174.20	39°51'22.200"N	80°41'25.756"W	749.20	250.140	7.84	5.30	6.84	
6758.00	62.860	292.770	6452.93	323.14	-226.41	-777.58	1634224.93	496203.27	39°51'22.478"N	80°41'26.692"W	809.87	253.766	4.63	3.16	3.85	
6848.00	69.300	300.750	6485.44	388.53	-189.30	-850.86	1634152.14	496241.35	39°51'22.845"N	80°41'27.631"W	871.67	257.457	10.79	7.13	8.87	

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# Actual Wellpath Report

Taylor B 4H AWP Proj: 16022

Page 6 of 11



## REFERENCE WELLPATH IDENTIFICATION

Operator	Slot	Slot #04
CHEVRON APPALACHIA, LLC	Well	Taylor B 4H
Area	Wellbore	Taylor B 4H AWP
Field		
Facility		

## WELLPATH DATA (223 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (IUS ft)	Grid North (IUS ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
6937.00	73.340	304.450	657.94	478.85	-143.87	-921.84	1634081.77	496287.71	39°51'23.294"N	80°41'28.542"W	933.00	261.130	6.01	4.54	4.16	
7026.00	77.810	311.940	654.04	563.07	-90.58	-989.48	1634014.85	496341.89	39°51'23.820"N	80°41'29.409"W	993.62	264.770	9.57	5.02	8.42	
7115.00	83.860	318.740	655.33	650.52	-28.12	-1051.14	1633954.03	496405.15	39°51'24.437"N	80°41'30.200"W	1051.52	268.468	10.15	6.80	7.64	
7205.00	90.180	323.310	6559.00	740.32	41.71	-1107.62	1633898.48	496475.72	39°51'25.127"N	80°41'30.924"W	1108.40	272.156	8.66	7.02	5.08	
7284.00	90.120	324.140	6568.77	829.16	113.46	-1180.28	1633846.78	496548.15	39°51'25.836"N	80°41'31.599"W	1165.81	275.585	0.94	-0.07	0.93	
7393.00	90.220	323.290	6568.51	917.99	185.20	-1212.95	1633795.06	496620.58	39°51'26.545"N	80°41'32.275"W	1227.00	278.681	0.96	0.11	-0.96	
7473.00	90.920	320.670	6557.61	1007.94	256.09	-1268.37	1633740.58	496692.19	39°51'27.246"N	80°41'32.985"W	1293.97	281.415	3.01	0.78	-2.91	
7562.00	90.310	318.120	6556.66	1096.92	323.65	-1326.29	1633683.57	496760.51	39°51'27.914"N	80°41'33.728"W	1365.21	283.714	2.95	-0.69	-2.87	
7652.00	90.920	319.850	6555.69	1186.88	391.55	-1386.35	1633625.42	496835.18	39°51'28.565"N	80°41'34.485"W	1439.62	285.782	2.04	0.68	1.92	
7741.00	91.380	319.560	6553.90	1275.86	439.42	-1442.89	1633568.77	496907.80	39°51'29.255"N	80°41'35.223"W	1514.27	287.662	0.61	0.52	-0.39	
7830.00	91.390	317.310	6551.75	1364.79	525.98	-1501.92	1633510.64	496985.14	39°51'29.913"N	80°41'35.980"W	1591.36	289.301	2.53	0.01	-2.53	
7920.00	91.020	314.540	6549.86	1454.50	590.62	-1564.50	1633448.91	497030.60	39°51'30.552"N	80°41'36.783"W	1672.28	290.682	3.10	-0.41	-3.08	
8009.00	90.920	315.090	6548.35	1543.09	653.34	-1627.63	1633386.63	497094.14	39°51'31.172"N	80°41'37.592"W	1753.86	291.871	0.63	-0.11	0.62	
8098.00	90.960	314.990	6546.88	1631.71	716.31	-1690.51	1633324.59	497157.93	39°51'31.794"N	80°41'38.399"W	1836.01	292.964	0.13	0.07	-0.11	
8188.00	90.920	314.470	6545.38	1721.28	779.64	-1754.44	1633261.50	497222.10	39°51'32.420"N	80°41'39.219"W	1919.87	293.959	0.58	-0.07	-0.58	
8277.00	90.180	318.100	6544.53	1810.05	843.95	-1815.93	1633200.87	497287.22	39°51'33.055"N	80°41'40.007"W	2002.47	294.927	4.16	-0.83	4.06	
8366.00	89.450	322.860	6544.82	1899.02	912.59	-1872.55	1633145.17	497356.59	39°51'33.734"N	80°41'40.733"W	2083.09	295.982	5.41	-0.82	5.35	
8456.00	90.460	326.780	6544.89	1988.71	986.13	-1924.39	1633094.31	497430.81	39°51'34.460"N	80°41'41.398"W	2162.35	297.132	4.50	1.12	4.36	
8545.00	90.580	326.850	6544.08	2077.13	1060.62	-1973.10	1633046.59	497505.93	39°51'35.196"N	80°41'42.023"W	2240.10	298.260	0.16	0.13	0.08	
8634.00	90.520	325.890	6543.23	2165.61	1134.72	-2022.39	1632998.29	497580.67	39°51'35.929"N	80°41'42.655"W	2318.98	299.296	1.08	-0.07	-1.08	
8724.00	90.460	325.570	6542.46	2255.20	1209.09	-2073.07	1632948.60	497655.70	39°51'36.664"N	80°41'43.305"W	2399.90	300.252	0.36	-0.07	-0.36	
8813.00	90.430	324.300	6541.77	2343.90	1281.93	-2124.20	1632898.44	497729.21	39°51'37.383"N	80°41'43.961"W	2481.04	301.111	1.43	-0.03	-1.43	
8902.00	90.460	319.680	6541.07	2432.83	1352.03	-2178.99	1632844.59	497800.03	39°51'38.076"N	80°41'44.663"W	2564.37	301.819	5.19	0.03	-5.19	
8992.00	90.490	317.760	6540.33	2522.79	1419.66	-2236.36	1632786.12	497866.43	39°51'38.744"N	80°41'45.425"W	2650.60	302.385	2.13	0.03	-2.13	
9081.00	90.460	316.790	6539.59	2611.67	1485.04	-2288.74	1632726.61	497934.60	39°51'39.390"N	80°41'46.199"W	2736.70	302.863	1.09	-0.03	-1.09	
9171.00	90.460	314.990	6538.87	2701.40	1549.66	-2361.38	1632664.83	498000.03	39°51'40.029"N	80°41'47.003"W	2824.45	303.275	2.00	0.00	-2.00	
9260.00	90.460	316.940	6538.15	2790.14	1613.63	-2423.24	1632603.83	498064.82	39°51'40.661"N	80°41'47.796"W	2911.34	303.660	2.19	0.00	2.19	
9349.00	90.520	316.120	6537.39	2878.95	1678.22	-2484.46	1632543.46	498130.21	39°51'41.299"N	80°41'48.581"W	2998.17	304.038	0.92	0.07	-0.92	
9439.00	90.310	315.620	6536.74	2968.69	1742.82	-2547.13	1632481.66	498195.62	39°51'41.938"N	80°41'49.385"W	3086.31	304.381	0.60	-0.23	-0.56	
9528.00	90.280	318.350	6536.28	3057.53	1807.89	-2607.84	1632421.62	498261.48	39°51'42.581"N	80°41'50.183"W	3173.21	304.732	3.07	-0.03	3.07	

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# Actual Wellpath Report

Taylor B 4H AWP Proj: 16022'  
Page 7 of 11



REFERENCE WELLPATH IDENTIFICATION	
Operator	CHEVRON APPALACHIA, LLC
Area	Marshall County, WV
Field	Marshall County
Facility	Taylor B Pad
Slot	Slot #04
Well	Taylor B 4H
Wellbore	Taylor B 4H AWB

WELLPATH DATA (223 stations)																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
9617.00	90.250	321.600	6535.87	3146.52	1876.03	-2665.07	1632365.50	498330.37	39°51'43.254"N	80°41'50.897"W	3259.15	305.143	3.65	-0.03	3.65	
9706.00	90.490	320.680	6535.29	3235.50	1945.33	-2720.91	1632310.59	498400.40	39°51'43.939"N	80°41'51.614"W	3344.79	305.563	1.07	0.27	-1.03	
9796.00	90.460	321.340	6534.55	3325.49	2015.28	-2777.53	1632254.90	498471.09	39°51'44.630"N	80°41'52.340"W	3431.62	305.963	0.73	-0.03	0.73	
9885.00	90.460	320.090	6533.83	3414.48	2084.16	-2833.88	1632199.47	498540.71	39°51'45.311"N	80°41'53.063"W	3517.76	306.332	1.40	0.00	-1.40	
9974.00	90.340	322.870	6533.21	3503.45	2158.79	-2889.30	1632144.97	498611.06	39°51'45.999"N	80°41'53.773"W	3603.73	306.702	3.13	-0.13	3.12	
10064.00	90.340	322.560	6532.68	3593.09	2227.68	-2940.63	1632094.63	498685.62	39°51'46.729"N	80°41'54.432"W	3689.16	307.146	5.21	0.00	5.21	
10153.00	90.550	327.900	6531.99	3681.33	2302.93	-2988.15	1632048.11	498761.49	39°51'47.473"N	80°41'55.041"W	3772.60	307.621	0.45	0.24	0.38	
10243.00	90.830	326.760	6530.90	3770.63	2378.69	-3036.72	1632004.54	498837.88	39°51'48.221"N	80°41'55.664"W	3857.44	308.072	1.30	0.31	-1.27	
10332.00	90.310	323.580	6530.02	3859.29	2451.73	-3087.55	1631950.69	498911.58	39°51'48.943"N	80°41'56.316"W	3942.58	308.452	3.62	-0.58	-3.57	
10422.00	90.520	325.470	6529.37	3949.03	2525.02	-3139.77	1631899.44	498986.55	39°51'49.667"N	80°41'56.966"W	4029.13	308.806	2.11	0.23	2.10	
10511.00	90.460	327.240	6528.60	4037.52	2599.10	-3189.08	1631851.12	499060.28	39°51'50.399"N	80°41'57.618"W	4114.07	309.180	1.99	-0.07	1.99	
10601.00	90.580	324.450	6527.79	4127.08	2673.57	-3239.60	1631801.59	499135.40	39°51'51.135"N	80°41'58.266"W	4200.36	309.532	3.10	0.13	-3.10	
10691.00	90.340	319.640	6527.06	4217.01	2744.51	-3294.94	1631747.20	499207.06	39°51'51.836"N	80°41'58.976"W	4288.24	309.793	5.35	-0.27	-5.34	
10780.00	90.520	318.180	6526.40	4305.98	2811.58	-3353.43	1631689.61	499274.90	39°51'52.499"N	80°41'59.726"W	4376.13	309.977	1.65	0.20	-1.64	
10870.00	90.430	315.390	6525.65	4395.80	2877.17	-3415.05	1631628.87	499341.29	39°51'53.147"N	80°42'00.517"W	4465.49	310.114	3.10	-0.10	-3.10	
10959.00	90.520	314.810	6524.91	4484.44	2940.21	-3477.87	1631566.89	499405.15	39°51'53.770"N	80°42'01.323"W	4554.16	310.211	0.66	0.10	-0.65	
11049.00	90.430	313.130	6524.17	4573.89	3002.69	-3542.64	1631502.95	499468.48	39°51'54.387"N	80°42'02.153"W	4643.97	310.284	1.87	-0.10	-1.87	
11138.00	90.340	313.280	6523.57	4662.22	3063.82	-3607.51	1631438.90	499530.26	39°51'54.989"N	80°42'02.985"W	4732.85	310.339	0.20	-0.10	0.17	
11227.00	90.400	315.230	6522.99	4750.73	3125.72	-3671.25	1631375.99	499593.20	39°51'55.603"N	80°42'03.803"W	4821.64	310.411	2.19	0.07	2.19	
11317.00	90.430	314.250	6522.34	4840.31	3189.07	-3735.18	1631312.91	499657.38	39°51'56.229"N	80°42'04.623"W	4911.38	310.490	1.09	0.03	-1.09	
11406.00	90.030	315.500	6521.98	4928.91	3251.86	-3798.24	1631250.68	499721.00	39°51'56.849"N	80°42'05.432"W	5000.13	310.568	1.47	-0.45	1.40	
11495.00	90.250	317.080	6521.77	5017.70	3316.19	-3859.74	1631190.04	499786.13	39°51'57.485"N	80°42'06.221"W	5088.69	310.668	1.79	0.25	1.78	
11585.00	90.650	319.000	6521.06	5107.62	3383.11	-3919.91	1631130.76	499853.84	39°51'58.146"N	80°42'06.992"W	5177.95	310.766	2.18	0.44	2.13	
11674.00	90.680	322.820	6520.03	5196.59	3452.17	-3976.01	1631075.58	499923.63	39°51'58.829"N	80°42'07.712"W	5265.57	310.966	4.29	0.03	4.29	
11764.00	91.020	324.980	6518.69	5286.40	3524.88	-4029.03	1631023.53	499997.03	39°51'59.547"N	80°42'08.392"W	5353.31	311.182	2.43	0.38	2.40	
11853.00	90.740	322.720	6517.32	5375.20	3596.73	-4081.52	1630972.00	500069.56	39°52'00.257"N	80°42'09.065"W	5440.16	311.387	2.56	-0.31	-2.54	
11943.00	90.830	319.370	6516.09	5465.17	3666.70	-4138.10	1630916.36	500140.27	39°52'00.949"N	80°42'09.791"W	5528.88	311.544	3.72	0.10	-3.72	
12032.00	90.680	319.100	6514.92	5554.15	3734.11	-4196.20	1630859.15	500208.43	39°52'01.615"N	80°42'10.536"W	5617.09	311.665	0.35	-0.17	-0.30	
12122.00	90.550	320.600	6513.95	5644.14	3802.99	-4254.23	1630802.04	500277.98	39°52'02.294"N	80°42'11.281"W	5706.18	311.794	1.67	-0.14	1.67	
12211.00	90.740	325.180	6512.95	5733.02	3873.84	-4307.91	1630749.31	500349.68	39°52'02.995"N	80°42'11.969"W	5793.51	311.933	5.15	0.21	5.15	

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# Actual Wellpath Report

Taylor B 4H AWP Proj: 16022'

Page 8 of 11



## REFERENCE WELLPATH IDENTIFICATION

Operator	Slot	Slot #04
CHEVRON APPALACHIA, LLC	Well	Taylor B 4H
Marshall County, WV	Wellbore	Taylor B 4H AWB
Marshall County		
Taylor B Pad		

## WELLPATH DATA (223 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 (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
12300.00	91.140	328.430	6511.49	5821.41	3948.30	-4356.62	1630701.59	500424.72	39°52'03.731"N	80°42'12.594"W	5879.56	312.185	3.68	0.45	3.65	
12390.00	91.080	325.310	6509.75	5910.79	4023.65	-4405.80	1630653.42	500500.71	39°52'04.476"N	80°42'13.225"W	5966.64	312.404	3.47	-0.07	-3.47	
12479.00	91.110	320.190	6508.04	5999.66	4094.45	-4459.84	1630600.52	500572.22	39°52'05.175"N	80°42'13.916"W	6094.17	312.555	5.75	0.03	-5.75	
12568.00	90.950	317.910	6506.44	6088.61	4161.66	-4517.96	1630543.10	500640.18	39°52'05.839"N	80°42'14.664"W	6142.58	312.549	2.57	-0.18	-2.56	
12658.00	90.920	316.630	6504.97	6178.48	4227.78	-4579.02	1630482.92	500707.08	39°52'06.492"N	80°42'15.447"W	6232.28	312.716	1.42	-0.03	-1.42	
12747.00	91.020	318.340	6503.47	6267.36	4293.35	-4639.15	1630423.66	500773.46	39°52'07.141"N	80°42'16.218"W	6320.96	312.783	1.92	0.11	1.92	
12837.00	90.860	321.000	6501.99	6357.33	4361.94	-4697.38	1630366.34	500842.81	39°52'07.818"N	80°42'16.965"W	6410.30	312.879	2.96	-0.18	2.96	
12926.00	90.920	321.870	6500.61	6446.30	4431.52	-4752.86	1630311.79	500913.11	39°52'08.506"N	80°42'17.677"W	6498.31	312.996	0.98	0.07	0.98	
13016.00	90.890	321.850	6499.19	6536.26	4502.30	-4808.44	1630257.16	500984.82	39°52'09.205"N	80°42'18.390"W	6587.24	313.117	0.04	-0.03	-0.02	
13105.00	90.980	322.150	6497.73	6625.20	4572.42	-4863.22	1630203.31	501055.45	39°52'09.898"N	80°42'19.093"W	6675.18	313.235	0.35	0.10	0.34	
13195.00	90.580	322.180	6496.51	6715.15	4643.50	-4918.42	1630149.06	501127.25	39°52'10.600"N	80°42'19.801"W	6764.09	313.353	0.45	-0.44	0.03	
13284.00	90.400	318.290	6495.75	6804.12	4711.89	-4975.34	1630093.06	501196.39	39°52'11.276"N	80°42'20.531"W	6852.44	313.442	4.38	-0.20	-4.37	
13373.00	90.430	316.570	6495.10	6893.01	4777.43	-5035.54	1630033.73	501262.71	39°52'11.924"N	80°42'21.303"W	6941.22	313.493	1.93	0.03	-1.93	
13463.00	90.950	315.230	6494.02	6982.74	4842.06	-5098.17	1629971.96	501328.16	39°52'12.562"N	80°42'22.107"W	7031.13	313.524	1.60	0.58	-1.49	
13552.00	90.830	315.560	6492.64	7071.41	4905.41	-5160.66	1629910.32	501392.33	39°52'13.188"N	80°42'22.908"W	7120.08	313.547	0.39	-0.13	0.37	
13642.00	90.890	318.830	6491.29	7161.26	4971.43	-5221.80	1629850.06	501459.15	39°52'13.841"N	80°42'23.693"W	7209.87	313.593	3.63	0.07	3.63	
13731.00	91.110	320.010	6489.73	7250.24	5039.01	-5279.68	1629793.08	501527.48	39°52'14.508"N	80°42'24.435"W	7298.40	313.664	1.35	0.25	1.33	
13821.00	90.770	320.230	6488.26	7340.23	5108.07	-5337.38	1629736.30	501597.29	39°52'15.191"N	80°42'25.176"W	7387.83	313.742	0.45	-0.38	0.24	
13910.00	90.460	322.550	6487.30	7429.20	5177.60	-5392.91	1629681.70	501667.55	39°52'15.878"N	80°42'25.888"W	7476.03	313.833	2.63	-0.35	2.61	
13999.00	90.400	326.360	6486.63	7517.94	5250.00	-5444.64	1629630.93	501740.83	39°52'16.593"N	80°42'26.552"W	7563.51	313.957	4.28	-0.07	4.28	
14088.00	90.280	322.800	6486.10	7606.67	5322.52	-5496.21	1629580.33	501813.82	39°52'17.310"N	80°42'27.213"W	7650.98	314.080	4.00	-0.13	-4.00	
14178.00	90.280	323.840	6485.66	7696.54	5394.70	-5549.97	1629527.53	501886.69	39°52'18.023"N	80°42'27.903"W	7739.83	314.187	1.16	0.00	1.16	
14267.00	90.310	322.350	6485.21	7785.42	5465.86	-5603.41	1629475.04	501958.55	39°52'18.726"N	80°42'28.589"W	7827.76	314.288	1.67	0.03	-1.67	
14356.00	90.580	321.870	6484.51	7874.37	5536.10	-5658.07	1629421.32	502029.50	39°52'19.420"N	80°42'29.290"W	7915.94	314.376	0.62	0.30	-0.54	
14446.00	90.580	321.210	6483.60	7964.35	5606.67	-5714.04	1629366.28	502100.70	39°52'20.116"N	80°42'30.008"W	8005.24	314.456	0.73	0.00	-0.73	
14535.00	90.580	319.510	6482.70	8053.34	5675.10	-5770.82	1629310.42	502169.97	39°52'20.793"N	80°42'30.736"W	8093.77	314.521	1.91	0.00	-1.91	
14625.00	90.620	317.740	6481.76	8143.29	5742.63	-5830.30	1629251.84	502238.28	39°52'21.461"N	80°42'31.499"W	8183.53	314.566	1.97	0.04	-1.97	
14714.00	90.550	317.130	6480.85	8232.18	5808.17	-5890.50	1629192.52	502304.61	39°52'22.108"N	80°42'32.272"W	8272.41	314.597	0.69	-0.08	-0.69	
14803.00	90.550	316.130	6480.00	8321.00	5872.87	-5951.61	1629132.27	502370.11	39°52'22.747"N	80°42'33.056"W	8361.35	314.618	1.12	0.00	-1.12	
14892.00	90.480	318.180	6479.19	8409.86	5938.11	-6012.13	1629072.62	502436.14	39°52'23.392"N	80°42'33.862"W	8450.26	314.645	2.30	-0.07	2.30	

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# Actual Wellpath Report

Taylor B 4H AWP Proj: 16022'  
Page 9 of 11



## REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #04
Area	Marshall County, WV	Well	Taylor B 4H
Field	Marshall County	Wellbore	Taylor B 4H AWB
Facility	Taylor B Pad		

## WELLPATH DATA (223 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist. (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
14982.00	90.620	317.950	6478.32	8499.79	6005.06	-6072.27	1629013.37	502503.88	39°52'24.05"N	80°42'34.60"W	8540.10	314.681	0.29	0.14	-0.26	
15071.00	90.490	316.830	6477.46	8588.67	6070.56	-6132.52	1628954.00	502570.16	39°52'24.70"N	80°42'35.37"W	8628.99	314.709	1.27	-0.15	-1.26	
15160.00	90.340	319.770	6476.81	8677.61	6137.00	-6191.72	1628895.69	502637.38	39°52'25.35"N	80°42'36.13"W	8717.81	314.746	3.31	-0.17	3.30	
15249.00	90.770	321.780	6475.95	8766.60	6205.94	-6247.99	1628840.33	502707.05	39°52'26.03"N	80°42'36.85"W	8806.31	314.807	2.31	0.48	2.26	
15339.00	90.710	323.110	6474.79	8855.52	6277.28	-6302.84	1628786.43	502779.11	39°52'26.74"N	80°42'37.56"W	8895.51	314.884	1.48	-0.07	1.48	
15429.00	90.580	323.990	6473.77	8946.37	6349.67	-6356.31	1628733.93	502852.19	39°52'27.45"N	80°42'38.24"W	8984.49	314.970	0.99	-0.14	0.98	
15518.00	90.830	325.590	6472.68	9035.08	6422.38	-6407.62	1628683.59	502925.57	39°52'28.17"N	80°42'38.90"W	9072.19	315.066	1.82	0.28	1.80	
15608.00	90.830	326.730	6471.37	9124.59	6497.12	-6457.73	1628634.47	503000.97	39°52'28.91"N	80°42'39.54"W	9160.51	315.174	1.27	0.00	1.27	
15697.00	90.830	325.480	6470.08	9213.11	6570.99	-6507.36	1628585.83	503075.48	39°52'29.64"N	80°42'40.18"W	9247.90	315.279	1.40	0.00	-1.40	
15786.00	90.740	322.170	6468.87	9301.92	6642.82	-6559.88	1628534.27	503147.99	39°52'30.35"N	80°42'40.86"W	9335.90	315.360	3.72	-0.10	-3.72	
15876.00	90.860	319.880	6467.61	9391.90	6712.77	-6616.48	1628478.80	503218.69	39°52'31.04"N	80°42'41.58"W	9425.45	315.414	2.55	0.13	-2.54	
15965.00	90.860	317.440	6466.27	9480.84	6779.58	-6675.26	1628420.72	503286.26	39°52'31.70"N	80°42'42.34"W	9514.29	315.444	2.74	0.00	-2.74	
16022.00	90.860	317.440	6465.42	9537.77	6821.56	-6713.80	1628382.73	503328.75	39°52'32.12"N	80°42'42.83"W	9571.25	315.456	0.00	0.00	0.00	Projected MD at TD: 16022'

## HOLE & CASING SECTIONS - Ref Wellbore: Taylor B 4H AWB Ref Wellpath: Taylor B 4H AWP Proj: 16022'

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	588.31	0.00	0.00	-2.70	-1.22
13.375in Casing Surface	25.00	588.33	563.33	25.00	588.31	0.00	0.00	-2.70	-1.22
12.25in Open Hole	58.33	2259.33	2201.00	58.33	2257.43	-0.19	0.04	-45.38	-20.14
9.625in Casing Intermediate	25.00	2210.21	2185.21	25.00	2208.33	0.00	0.00	-46.08	-19.04
8.5in Open Hole	2259.33	16022.00	13762.67	2257.43	6465.42	-45.38	-20.14	6821.56	-6713.80
5.5in Casing Production	25.00	16022.00	15997.00	25.00	6465.42	0.00	0.00	6821.56	-6713.80

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# Actual Wellpath Report

Taylor B 4H AWP Proj: 16022'

Page 10 of 11



## REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #04
Area	Marshall County, WV	Well	Taylor B 4H
Field	Marshall County	Wellbore	Taylor B 4H 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 4H BHL Rev-3	6418.00	6807.29	-6731.38	1628364.97	503314.71	39°52'31.980"N	80°42'43.060"W	point
Taylor B 4H LP Rev-3	6541.00	41.97	-1104.98	1633901.12	496475.94	39°51'25.130"N	80°41'30.890"W	point
Taylor B Buffer1	6746.33	6.76	-29.23	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon
Taylor B Buffer2	6746.33	6.76	-29.23	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon
Taylor B Buffer3	6746.33	6.76	-29.23	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon
Taylor B Buffer4	6746.33	6.76	-29.23	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon
Taylor B LL1	6796.33	6.76	-29.23	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon
Taylor B LL2	6796.33	6.76	-29.23	1634976.25	496426.52	39°51'24.782"N	80°41'17.096"W	polygon

## WELLPATH COMPOSITION - Ref Wellbore: Taylor B 4H AWB Ref Wellpath: Taylor B 4H AWP Proj: 16022'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	522.33	BH Generic gyro - northseeking (Standard)	01 Gyrodatta MS Gyro <17.1/2> (50°514)	Taylor B 4H AWB
522.33	2183.33	BH NaviTrak (Axial)	02 APS EIM <12.1/4> (514)(590-2175) Proj:2251	Taylor B 4H AWB
2183.33	5468.00	NaviTrak (Magcorr+IFR1)	03 BHI NaviTrak IFR <8-1/2> (2183.33)(2264-5468)	Taylor B 4H AWB
5468.00	15965.00	BHI AutoTrak Curve (IFR1, Short)	04 BH AT Curve+IFR <8-1/2> (5468)(5507-15965)	Taylor B 4H AWB
15965.00	16022.00	Blind Drilling (std)	Projection to bit	Taylor B 4H AWB

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# Actual Wellpath Report

Taylor B 4H AWP Proj: 16022'  
Page 11 of 11



## REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #04
Area	Marshall County, WV	Well	Taylor B 4H
Field	Marshall County	Wellbore	Taylor B 4H AWB
Facility	Taylor B Pad		

## COMMENTS

Wellpath general comments  
 API: 47-051-01795-0000  
 BHI Job #: 8775435  
 Rig: Precision 560  
 Duration: 10/08/2017-10/18/2017  
 Gyrodatta MS Gyro <17-1/2">(50'-514')  
 APS EM <12-1/4">(514')(590'-2175')  
 BHI NaviTrak IFR Axial <8-1/2">(2183.33')(2264'-5468')  
 BHI AT Curve IFR <8-1/2">(5468')(5507'-15965')  
 Projected MD at TD: 16022'

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