



Actual Wellpath Report

Taylor C 7H ST01 AWP Proj:
Page 1 of 4

RECEIVED
 Office of Oil and Gas
 JAN 18 2018
 WV Department of
 Environmental Protection



REFERENCE WELLPATH IDENTIFICATION			
Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #07
Area	Marshall County, WV	Well	Taylor C 7H ST01
Field	Marshall County	Wellbore	Taylor C 7H ST01 AWB
Facility	Taylor C Pad	Sidetrack from	Taylor C 7H AWP Proj: 2265' at 790.33 MD

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 5.0
North Reference	True	User	Smitgre01
Scale	0.999948	Report Generated	31/Dec/2017 at 17:16
Convergence at slot	0.77° West	Database/Source file	WellArchitectDB/Taylor_C_7H_ST01_AWP_Proj_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	14.14	42.72	1632359.46	494625.95	39°51'06.645"N	80°41'50.342"W
Facility Reference Pt			1632316.56	494612.38	39°51'06.506"N	80°41'50.889"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	1260.00ft
Vertical Reference Pt	Precision 560 (RKB)	Precision 560 (RKB) to Mud Line at Slot (Slot #07)	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	320.41°



REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC
Area	Marshall County, WV
Field	Marshall County
Facility	Taylor C Pad
Well	Taylor C 7H ST01
Wellbore	Taylor C 7H ST01 AWB
Sidetrack from	Taylor C 7H AWP Proj: 2265' at 790.33 MD
Slot	Slot #07

WELLPATH DATA (40 stations) † = interpolated/extrapolated station												
MD	Inclination	Azimuth	TVD	Vert Sect	North	North	East	Grid East	Grid North	Latitude	Longitude	DLS
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(US ft)	(US ft)	(ft)	(ft)	(/100ft)
0.00	0.000	323.730	0.00	0.00	0.00	0.00	0.00	1632359.46	494625.95	39°51'06.645"N	80°41'50.342"W	0.00
25.00	0.000	323.730	25.00	0.00	0.00	0.00	0.00	1632359.46	494625.95	39°51'06.645"N	80°41'50.342"W	0.00
58.33	0.300	323.730	58.33	0.09	0.07	-0.05	0.00	1632359.41	494626.02	39°51'06.646"N	80°41'50.342"W	0.90
83.33	0.320	318.650	83.33	0.22	0.18	-0.14	0.00	1632359.33	494626.13	39°51'06.647"N	80°41'50.344"W	0.14
108.33	0.140	310.930	108.33	0.32	0.25	-0.21	0.00	1632359.26	494626.20	39°51'06.648"N	80°41'50.344"W	0.73
133.33	0.120	344.350	133.33	0.38	0.29	-0.24	0.00	1632359.23	494626.25	39°51'06.648"N	80°41'50.345"W	0.31
158.33	0.090	273.500	158.33	0.41	0.32	-0.26	0.00	1632359.20	494626.27	39°51'06.649"N	80°41'50.345"W	0.50
183.33	0.120	223.850	183.33	0.42	0.30	-0.30	0.00	1632359.16	494626.26	39°51'06.648"N	80°41'50.346"W	0.37
208.33	0.150	192.720	208.33	0.40	0.25	-0.33	0.00	1632359.14	494626.21	39°51'06.648"N	80°41'50.346"W	0.31
233.33	0.080	161.210	233.33	0.36	0.20	-0.33	0.00	1632359.15	494626.16	39°51'06.647"N	80°41'50.346"W	0.37
258.33	0.060	51.560	258.33	0.35	0.19	-0.31	0.00	1632359.15	494626.15	39°51'06.647"N	80°41'50.346"W	0.46
283.33	0.060	334.840	283.33	0.36	0.21	-0.31	0.00	1632359.16	494626.17	39°51'06.647"N	80°41'50.346"W	0.30
308.33	0.070	31.260	308.33	0.38	0.24	-0.30	0.00	1632359.16	494626.19	39°51'06.648"N	80°41'50.346"W	0.25
333.33	0.160	78.970	333.33	0.37	0.26	-0.26	0.00	1632359.20	494626.21	39°51'06.648"N	80°41'50.345"W	0.50
358.33	0.270	90.040	358.33	0.31	0.27	-0.17	0.00	1632359.29	494626.22	39°51'06.648"N	80°41'50.344"W	0.47
383.33	0.160	92.630	383.33	0.25	0.26	-0.08	0.00	1632359.39	494626.21	39°51'06.648"N	80°41'50.343"W	0.44
408.33	0.140	98.540	408.33	0.20	0.26	-0.01	0.00	1632359.45	494626.21	39°51'06.648"N	80°41'50.342"W	0.10
433.33	0.190	103.880	433.33	0.15	0.24	0.06	0.00	1632359.52	494626.19	39°51'06.648"N	80°41'50.341"W	0.21
458.33	0.210	74.190	458.33	0.10	0.25	0.14	0.00	1632359.61	494626.19	39°51'06.648"N	80°41'50.340"W	0.42
483.33	0.150	71.110	483.33	0.07	0.27	0.22	0.00	1632359.68	494626.22	39°51'06.648"N	80°41'50.339"W	0.24
508.33	0.170	61.110	508.33	0.05	0.30	0.28	0.00	1632359.75	494626.24	39°51'06.648"N	80°41'50.338"W	0.14
518.33	0.180	59.360	518.33	0.04	0.31	0.31	0.00	1632359.77	494626.26	39°51'06.648"N	80°41'50.338"W	0.11
634.33	0.460	65.360	634.33	-0.11	0.60	0.89	0.00	1632360.36	494626.54	39°51'06.651"N	80°41'50.330"W	0.24
665.33	0.190	78.480	665.33	-0.16	0.66	1.05	0.00	1632360.52	494626.60	39°51'06.652"N	80°41'50.328"W	0.90
696.33	0.440	696.33	696.33	-0.15	0.77	1.17	0.00	1632360.64	494626.71	39°51'06.653"N	80°41'50.327"W	1.07
728.33	0.380	29.300	728.33	-0.08	0.97	1.29	0.00	1632360.76	494626.90	39°51'06.655"N	80°41'50.325"W	0.21
790.33	0.270	23.780	790.33	0.06	1.28	1.45	0.00	1632360.93	494627.21	39°51'06.658"N	80°41'50.323"W	0.18
884.00	0.310	54.010	883.99	0.14	1.63	1.74	0.00	1632361.23	494627.56	39°51'06.661"N	80°41'50.319"W	0.17
976.00	0.690	14.090	975.99	0.46	2.31	2.08	0.00	1632361.57	494628.23	39°51'06.668"N	80°41'50.315"W	0.54
1066.00	2.560	20.730	1065.95	1.77	4.72	2.92	0.00	1632362.45	494630.63	39°51'06.692"N	80°41'50.304"W	2.08



RECEIVED
 Dept of Oil and Gas
 AN 1 8 2018
 Environmental Protection

Actual Wellpath Report
 Taylor C 7H ST01 AWP Proj:
 Page 2 of 4



Actual Wellpath Report

Taylor C 7H ST01 AWP Proj:

Page 3 of 4

RECEIVED
 Office of Oil and Gas
 JAN 18 2018
 WV Department of Environmental Protection



REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #07
Area	Marshall County, WV	Well	Taylor C 7H ST01
Field	Marshall County	Wellbore	Taylor C 7H ST01 AWB
Facility	Taylor C Pad	Sidetrack from	Taylor C 7H AWP Proj: 2265' at 790.33 MD

WELLPATH DATA (40 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]
1155.00	4.720	13.700	1154.76	4.95	10.14	4.49	1632364.09	494636.02	39°51'06.746"N	80°41'50.284"W	2.47	2.43	-7.90
1245.00	5.310	13.930	1244.42	9.64	17.78	6.37	1632366.07	494643.64	39°51'06.821"N	80°41'50.260"W	0.66	0.66	0.26
1334.00	5.510	12.780	1333.02	14.69	25.94	8.31	1632368.12	494651.77	39°51'06.902"N	80°41'50.235"W	0.26	0.22	-1.29
1423.00	4.550	15.400	1421.68	19.33	33.51	10.19	1632370.10	494659.32	39°51'06.977"N	80°41'50.211"W	1.11	-1.08	2.94
1513.00	2.760	22.490	1511.49	22.39	38.95	11.97	1632371.95	494664.74	39°51'07.030"N	80°41'50.188"W	2.05	-1.99	7.88
1602.00	1.970	20.540	1600.42	24.16	42.37	13.33	1632373.35	494668.13	39°51'07.064"N	80°41'50.171"W	0.89	-0.89	-2.19
1692.00	1.680	28.370	1690.37	25.42	44.98	14.50	1632374.55	494670.73	39°51'07.090"N	80°41'50.156"W	0.42	-0.32	8.70
1781.00	1.010	43.220	1779.35	26.01	46.70	15.65	1632375.73	494672.43	39°51'07.107"N	80°41'50.141"W	0.84	-0.75	16.69
1870.00	0.720	12.140	1868.34	26.45	47.81	16.31	1632376.40	494673.54	39°51'07.118"N	80°41'50.133"W	0.61	-0.33	-34.92
1937.00	0.720	12.140	1935.33	26.97	48.64	16.49	1632376.59	494674.36	39°51'07.126"N	80°41'50.130"W	0.00	0.00	0.00

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Taylor C 7H BHL Rev-2	6471.22	8294.74	-4658.57	1627812.09	502981.59	39°52'28.614"N	80°42'50.093"W	point
Taylor C 7H LP Rev-2	6575.00	1749.58	755.15	1633137.82	496365.22	39°51'23.936"N	80°41'40.659"W	point
Taylor C LL1	7008.33	-14.14	-42.72	1632316.56	494612.38	39°51'06.506"N	80°41'50.889"W	polygon
Taylor C LL2	7008.33	-14.14	-42.72	1632316.56	494612.38	39°51'06.506"N	80°41'50.889"W	polygon
Taylor C LL3	7008.33	-14.14	-42.72	1632316.56	494612.38	39°51'06.506"N	80°41'50.889"W	polygon



Actual Wellpath Report

Taylor C 7H ST01 AWP Proj:

Page 4 of 4

RECEIVED
 Office of Oil and Gas
 JAN 18 2018
 WV Department of
 Environmental Protection



REFERENCE WELLPATH IDENTIFICATION			
Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #07
Area	Marshall County, WV	Well	Taylor C 7H ST01
Field	Marshall County	Wellbore	Taylor C 7H ST01 AWB
Facility	Taylor C Pad	Sidetrack from	Taylor C 7H AWP Proj: 2265' at 790.33 MD

WELLPATH COMPOSITION - Ref Wellbore: Taylor C 7H ST01 AWB				Ref Wellpath: Taylor C 7H ST01 AWP Proj:	
Start MD (ft)	End MD (ft)	Positional Uncertainty Model	Log Name/Comment	Wellbore	
25.00	518.33	BHI Generic gyro - northseeking (Standard)	01 Gyrodata MS Gyro <17-1/2"> (50'-510')	Taylor C 7H AWB	
518.33	790.33	BHI NaviTrak (Axial)	02 APS EM <12-1/4"> (510')(626'-2190') Proj:2265'	Taylor C 7H AWB	
790.33	1870.00	BHI NaviTrak (Axial)	03 BHI NaviTrak (1358.33')(xxxx'-	Taylor C 7H ST01 AWB	
1870.00	1937.00	Blind Drilling (std)	Projection to bit	Taylor C 7H ST01 AWB	