

# SWN PRODUCTION COMPANY, LLC

Location: Wetzel County, WV  
 Field: Wetzel  
 Facility: Constance Taylor WZ Pad

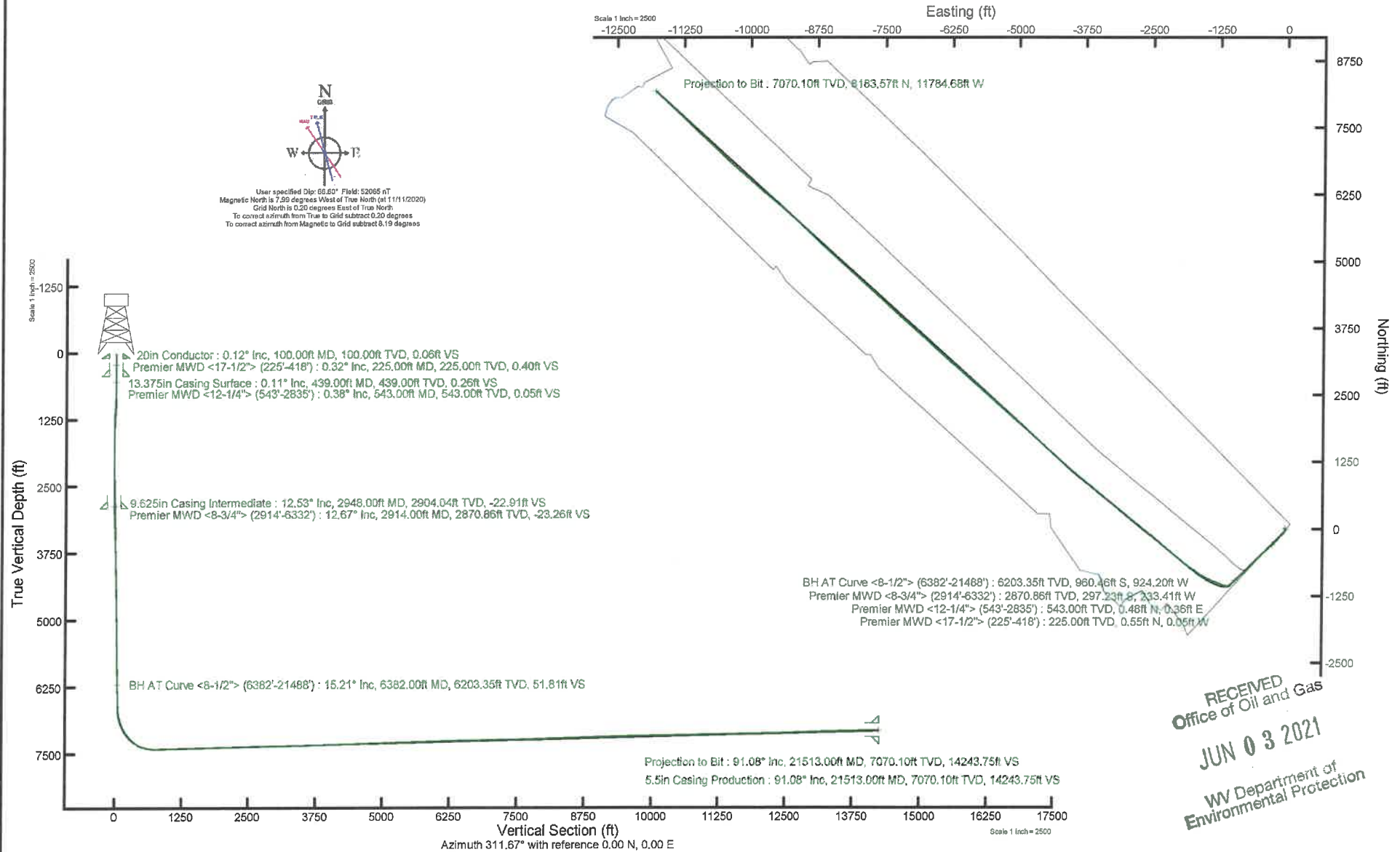
Slot: Slot 201H  
 Well: Constance Taylor WZ 201H  
 Wellbore: Constance Taylor WZ 201H PWB



Plot reference wellpath is Constance Taylor WZ 201H PWB Rev-A.0	Grid System: NAD83 / UTM Zone 17 North, US feet
True vertical depths are referenced to SDC 41 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to SDC 41 (RKB)	Scale: True distance
SDC 41 (RKB) to Mean Sea Level: 1456.1 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot 201H): -1430.1 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: stonjen on 2020-12-03; Database: WA_MPL_EASTERNUS_Def

Location Information					
Facility Name		Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Constance Taylor WZ Pad		1730676.583	14401131.208	39°39'16.6280"N	80°40'45.5230"W
Slot	Local N (ft)	Local E (ft)	Grid North (US ft)	Latitude	Longitude
Slot 201H	-21.85	41.09	1730717.654	39°39'16.4106"N	80°40'44.9987"W
SDC 41 (RKB) to Ground level (At Slot: Slot 201H)				26ft	
Mean Sea Level to Ground level (At Slot: Slot 201H)				-1430.1ft	
SDC 41 (RKB) to Mean Sea Level				1456.1ft	

API: 47-103-03354-0000  
 BH Job #: 110632815  
 Rig: SDC 41  
 Duration: 11/27/2020 - 11/30/2020



RECEIVED  
 Office of Oil and Gas  
**JUN 03 2021**  
 WV Department of  
 Environmental Protection



# Actual Wellpath Report

Constance Taylor WTZ 201H AWP Proj: 21513'  
Page 1 of 12



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 201H
Field	Wetzel	API	47103033540000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 201H AWB
Slot	Slot 201H		

REPORT SETUP INFORMATION			
Projection System	NAD83 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Atenjen
Scale	0.999609	Report Generated	12/3/2020 at 8:26:59 AM
Convergence at slot	0.20° East	Database	WA_MPL_EASTERNUS_Defn

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-21.85	41.09	1730717.65	14401109.36	39°39'16.4106"N	80°40'44.9987"W
Facility Reference Pt			1730676.58	14401131.21	39°39'16.6280"N	80°40'45.5230"W
Field Reference Pt			<b>0.00</b>	<b>0.00</b>	0°00'0.0000"	85°29'19.4780"W

WELLPATH DATUM			
Calculation method	Minimum curvature	SDC 41 (RKB) to Facility Vertical Datum	1456.10ft
Horizontal Reference Pt	Slot	SDC 41 (RKB) to Mean Sea Level	1456.10ft
Vertical Reference Pt	SDC 41 (RKB)	SDC 41 (RKB) to Ground Level at Slot (Slot 201H)	26.00ft
MD Reference Pt	SDC 41 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	311.67°

RECEIVED  
 Office of Oil and Gas  
 JUN 03 2021  
 WV Department of  
 Environmental Protection



# Actual Wellpath Report

Constance Taylor WTZ 201H AWP Proj: 21513'  
Page 2 of 12



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 201H
Field	Wetzel	API	47103033540000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 201H AWB
Slot	Slot 201H		

**WELLPATH DATA (246 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]
0.00†	0.000	354.980	0.00	0.00	0.00	0.00	1730717.65	14401109.36	39°39'16.4106"N	80°40'44.9987"W	0.00	0.000	0.00	0.00	0.00
26.00	0.000	354.980	26.00	0.00	0.00	0.00	1730717.65	14401109.36	39°39'16.4106"N	80°40'44.9987"W	0.00	0.000	0.00	0.00	0.00
225.00	0.320	354.980	225.00	0.40	0.55	-0.05	1730717.61	14401109.92	39°39'16.4160"N	80°40'44.9993"W	0.56	354.980	0.16	0.16	0.00
316.00	0.280	69.350	316.00	0.49	0.89	0.14	1730717.79	14401110.25	39°39'16.4193"N	80°40'44.9969"W	0.90	8.811	0.40	-0.04	81.73
406.00	0.150	95.790	406.00	0.29	0.95	0.46	1730718.11	14401110.31	39°39'16.4199"N	80°40'44.9928"W	1.06	25.827	0.18	-0.14	29.38
418.00	0.060	195.130	418.00	0.27	0.94	0.47	1730718.13	14401110.31	39°39'16.4199"N	80°40'44.9926"W	1.06	26.692	1.42	-0.75	827.83
543.00	0.380	193.080	543.00	0.05	0.48	0.36	1730718.02	14401109.84	39°39'16.4153"N	80°40'44.9940"W	0.60	37.339	0.26	0.26	-1.64
586.00	0.660	181.550	585.99	-0.18	0.09	0.32	1730717.98	14401109.45	39°39'16.4114"N	80°40'44.9945"W	0.34	74.530	0.69	0.65	-26.81
677.00	0.510	181.280	676.99	-0.78	-0.84	0.30	1730717.96	14401108.52	39°39'16.4023"N	80°40'44.9949"W	0.89	160.259	0.16	-0.16	-0.30
770.00	0.910	190.480	769.98	-1.43	-1.98	0.16	1730717.81	14401107.38	39°39'16.3910"N	80°40'44.9968"W	1.99	175.449	0.45	0.43	9.89
860.00	2.010	182.650	859.95	-2.80	-4.26	-0.05	1730717.61	14401105.11	39°39'16.3685"N	80°40'44.9995"W	4.26	180.611	1.24	1.22	-8.70
950.00	3.740	178.180	949.84	-5.81	-8.77	-0.03	1730717.63	14401100.60	39°39'16.3239"N	80°40'44.9994"W	8.77	180.165	1.94	1.92	-4.97
1039.00	5.680	173.310	1038.53	-11.10	-16.05	0.58	1730718.23	14401093.32	39°39'16.2520"N	80°40'44.9920"W	16.06	177.929	2.22	2.18	-5.47
1129.00	6.250	179.210	1128.04	-17.74	-25.37	1.17	1730718.82	14401084.00	39°39'16.1598"N	80°40'44.9849"W	25.39	177.367	0.93	0.63	6.56
1220.00	6.080	199.450	1218.53	-22.90	-34.87	-0.37	1730717.28	14401074.51	39°39'16.0660"N	80°40'45.0050"W	34.87	180.608	2.38	-0.19	22.24
1308.00	6.470	216.510	1306.01	-25.11	-43.25	-4.87	1730712.78	14401066.13	39°39'15.9833"N	80°40'45.0629"W	43.52	186.428	2.16	0.44	19.39
1399.00	6.100	226.920	1396.46	-25.13	-50.67	-11.45	1730706.20	14401058.71	39°39'15.9102"N	80°40'45.1474"W	51.95	192.738	1.31	-0.41	11.44
1490.00	5.190	228.560	1487.02	-24.19	-56.70	-18.07	1730699.59	14401052.69	39°39'15.8509"N	80°40'45.2323"W	59.51	197.679	1.02	-1.00	1.80
1581.00	6.310	224.350	1577.56	-23.47	-63.00	-24.65	1730693.01	14401046.39	39°39'15.7888"N	80°40'45.3168"W	67.65	201.372	1.31	1.23	-4.63
1670.00	7.190	222.360	1665.95	-23.17	-70.61	-31.82	1730685.84	14401038.78	39°39'15.7139"N	80°40'45.4088"W	77.45	204.262	1.02	0.99	-2.24
1760.00	9.090	221.410	1755.04	-23.14	-80.10	-40.32	1730677.35	14401029.29	39°39'15.6203"N	80°40'45.5179"W	89.68	206.720	2.12	2.11	-1.06
1849.00	11.030	221.350	1842.66	-23.22	-91.77	-50.60	1730667.08	14401017.63	39°39'15.5054"N	80°40'45.6498"W	104.79	208.871	2.18	2.18	-0.07
1938.00	11.980	223.400	1929.87	-22.98	-104.87	-62.57	1730655.11	14401004.53	39°39'15.3763"N	80°40'45.8035"W	122.12	210.822	1.16	1.07	2.30
2028.00	12.970	223.150	2017.75	-22.44	-119.03	-75.90	1730641.79	14400990.38	39°39'15.2369"N	80°40'45.9745"W	141.17	212.523	1.10	1.10	-0.28
2117.00	14.520	221.680	2104.20	-22.18	-134.65	-90.15	1730627.54	14400974.77	39°39'15.0830"N	80°40'46.1574"W	162.04	213.802	1.79	1.74	-1.65
2207.00	15.300	218.740	2191.17	-22.79	-152.34	-105.08	1730612.62	14400957.09	39°39'14.9087"N	80°40'46.3491"W	185.06	214.597	1.21	0.87	-3.27
2296.00	16.190	217.370	2276.83	-24.32	-171.36	-119.96	1730597.74	14400938.07	39°39'14.7213"N	80°40'46.5402"W	209.17	214.994	1.08	1.00	-1.54
2385.00	17.340	218.090	2362.04	-26.08	-191.66	-135.67	1730582.03	14400917.78	39°39'14.5212"N	80°40'46.7421"W	234.82	215.294	1.31	1.29	0.81
2475.00	17.340	219.060	2447.95	-27.52	-212.63	-152.40	1730565.32	14400896.82	39°39'14.3146"N	80°40'46.9568"W	261.60	215.631	0.32	0.00	1.08
2565.00	16.750	222.650	2534.00	-27.91	-232.58	-169.64	1730548.08	14400876.87	39°39'14.1180"N	80°40'47.1782"W	287.87	216.106	1.34	-0.66	3.99

JUN 03 2021  
 Office of Oil and Gas  
 Environmental Protection  
 WV Department of



# Actual Wellpath Report

Constance Taylor WTZ 201H AWP Proj: 21513'  
Page 3 of 12



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 201H
Field	Wetzel	API	47103033540000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 201H AWB
Slot	Slot 201H		

### WELLPATH DATA (246 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]
2654.00	16.950	224.720	2619.18	-27.00	-251.23	-187.45	1730530.27	14400858.23	39°39'13.9343"N	80°40'47.4068"W	313.46	216.728	0.71	0.22	2.33
2747.00	14.830	225.060	2708.62	-25.58	-269.27	-205.42	1730512.32	14400840.19	39°39'13.7566"N	80°40'47.6373"W	338.68	217.339	2.28	-2.28	0.37
2835.00	13.600	225.250	2793.93	-24.27	-284.51	-220.74	1730497.00	14400824.96	39°39'13.6066"N	80°40'47.8339"W	360.10	217.806	1.40	-1.40	0.22
2914.00	12.670	224.490	2870.86	-23.26	-297.23	-233.41	1730484.34	14400812.25	39°39'13.4813"N	80°40'47.9964"W	377.92	218.141	1.20	-1.18	-0.96
2958.00	12.490	224.270	2913.80	-22.81	-304.08	-240.11	1730477.64	14400805.40	39°39'13.4138"N	80°40'48.0824"W	387.45	218.296	0.42	-0.41	-0.50
3047.00	15.170	232.680	3000.22	-20.14	-318.04	-256.09	1730461.66	14400791.45	39°39'13.2765"N	80°40'48.2874"W	408.33	218.842	3.76	3.01	9.45
3137.00	15.480	228.770	3087.03	-16.41	-333.09	-274.49	1730443.27	14400776.40	39°39'13.1283"N	80°40'48.5233"W	431.62	219.491	1.20	0.34	-4.34
3226.00	14.260	227.110	3173.04	-13.90	-348.38	-291.46	1730426.31	14400761.12	39°39'12.9778"N	80°40'48.7409"W	454.22	219.916	1.45	-1.37	-1.87
3319.00	14.890	228.060	3263.05	-11.49	-364.16	-308.74	1730409.04	14400745.34	39°39'12.8225"N	80°40'48.9626"W	477.42	220.291	0.72	0.68	1.02
3411.00	15.620	228.100	3351.81	-8.79	-380.34	-326.75	1730391.03	14400729.18	39°39'12.6633"N	80°40'49.1936"W	501.42	220.666	0.79	0.79	0.04
3501.00	16.420	229.880	3438.31	-5.61	-396.62	-345.49	1730372.30	14400712.89	39°39'12.5030"N	80°40'49.4340"W	526.00	221.059	1.04	0.89	1.98
3592.00	16.150	229.560	3525.66	-2.04	-413.12	-364.96	1730352.84	14400696.40	39°39'12.3406"N	80°40'49.6836"W	551.24	221.458	0.31	-0.30	-0.35
3685.00	16.590	228.760	3614.89	1.38	-430.26	-384.79	1730333.02	14400679.27	39°39'12.1719"N	80°40'49.9379"W	577.23	221.807	0.53	0.47	-0.86
3773.00	16.930	227.880	3699.15	4.31	-447.14	-403.74	1730314.07	14400662.40	39°39'12.0058"N	80°40'50.1810"W	602.44	222.080	0.48	0.39	-1.00
3863.00	17.150	226.850	3785.20	6.93	-465.00	-423.14	1730294.68	14400644.54	39°39'11.8299"N	80°40'50.4298"W	628.71	222.301	0.41	0.24	-1.14
3955.00	17.150	225.850	3873.11	9.14	-483.73	-442.77	1730275.06	14400625.82	39°39'11.6456"N	80°40'50.6816"W	655.77	222.469	0.32	0.00	-1.09
4047.00	16.410	226.430	3961.19	11.21	-502.13	-461.92	1730255.92	14400607.43	39°39'11.4643"N	80°40'50.9273"W	682.28	222.611	0.82	-0.80	0.63
4139.00	16.770	227.440	4049.36	13.62	-520.07	-481.11	1730236.73	14400589.50	39°39'11.2878"N	80°40'51.1735"W	708.47	222.772	0.50	0.39	1.10
4228.00	17.870	225.290	4134.33	15.77	-538.36	-500.27	1730217.58	14400571.22	39°39'11.1077"N	80°40'51.4193"W	734.92	222.900	1.43	1.24	-2.42
4318.00	18.120	225.980	4219.93	17.70	-557.80	-520.15	1730197.71	14400551.78	39°39'10.9162"N	80°40'51.6743"W	762.69	223.000	0.37	0.28	0.77
4410.00	16.340	226.500	4307.79	19.86	-576.65	-539.83	1730178.04	14400532.94	39°39'10.7306"N	80°40'51.9267"W	789.90	223.111	1.94	-1.93	0.57
4498.00	16.260	225.510	4392.26	21.73	-593.80	-557.59	1730160.28	14400515.79	39°39'10.5617"N	80°40'52.1547"W	814.56	223.199	0.33	-0.09	-1.13
4590.00	15.860	225.240	4480.67	23.38	-611.68	-575.71	1730142.17	14400497.92	39°39'10.3857"N	80°40'52.3871"W	840.00	223.265	0.44	-0.43	-0.29
4683.00	15.180	225.070	4570.27	24.89	-629.23	-593.35	1730124.53	14400480.38	39°39'10.2129"N	80°40'52.6135"W	864.87	223.319	0.73	-0.73	-0.18
4776.00	15.360	225.320	4659.99	26.40	-646.49	-610.73	1730107.16	14400463.13	39°39'10.0429"N	80°40'52.8364"W	889.35	223.371	0.21	0.19	0.27
4869.00	14.990	225.280	4749.75	27.94	-663.61	-628.04	1730089.87	14400446.01	39°39'9.8743"N	80°40'53.0584"W	913.68	223.422	0.40	-0.40	-0.04
4959.00	15.690	223.330	4836.54	29.02	-680.66	-644.66	1730073.25	14400428.97	39°39'9.7064"N	80°40'53.2717"W	937.48	223.444	0.97	0.78	-2.17
5050.00	17.200	223.240	4923.82	29.75	-699.41	-662.32	1730055.60	14400410.23	39°39'9.5217"N	80°40'53.4984"W	963.24	223.440	1.66	1.66	-0.10
5143.00	16.830	223.710	5012.75	30.60	-719.16	-681.04	1730036.88	14400390.49	39°39'9.3272"N	80°40'53.7387"W	990.46	223.441	0.42	-0.40	0.51
5235.00	17.010	226.190	5100.76	32.14	-738.88	-700.88	1730017.97	14400371.55	39°39'9.1406"N	80°40'53.9813"W	1017.22	223.481	0.81	0.20	2.70

RECEIVED  
 Office of Oil and Gas  
 JUN 03 2021



RECEIVED  
 Office of Oil and Gas  
 JUN 03 2021  
 Department of Natural Resources

# Actual Wellpath Report

Constance Taylor WTZ 201H AWP Proj: 21513'  
 Page 4 of 12



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 201H
Field	Wetzel	API	47103033540000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 201H AWB
Slot	Slot 201H		

## WELLPATH DATA (246 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]
5327.00	16.810	225.390	5188.79	34.06	-756.76	-719.14	1729998.80	14400352.90	39°39'8.9569"N	80°40'54.2274"W	1043.96	223.540	0.33	-0.22	-0.87
5416.00	16.630	225.320	5274.02	35.71	-774.75	-737.35	1729980.59	14400334.91	39°39'8.7797"N	80°40'54.4611"W	1069.55	223.583	0.20	-0.20	-0.08
5507.00	16.570	225.540	5361.23	37.41	-793.00	-755.88	1729962.08	14400316.68	39°39'8.6001"N	80°40'54.6987"W	1095.53	223.627	0.10	-0.07	0.24
5597.00	15.450	225.310	5447.74	39.04	-810.42	-773.56	1729944.40	14400299.26	39°39'8.4285"N	80°40'54.9256"W	1120.34	223.667	1.25	-1.24	-0.26
5688.00	15.090	224.160	5535.53	40.32	-827.44	-790.43	1729927.54	14400282.25	39°39'8.2609"N	80°40'55.1421"W	1144.30	223.689	0.52	-0.40	-1.26
5781.00	15.510	223.420	5625.23	41.23	-845.16	-807.41	1729910.56	14400264.54	39°39'8.0864"N	80°40'55.3599"W	1168.84	223.691	0.50	0.45	-0.80
5873.00	15.530	224.270	5713.88	42.16	-862.91	-824.46	1729893.52	14400246.79	39°39'7.9115"N	80°40'55.5788"W	1193.46	223.695	0.25	0.02	0.92
5966.00	15.420	225.430	5803.50	43.54	-880.50	-841.96	1729876.03	14400229.21	39°39'7.7383"N	80°40'55.8033"W	1218.27	223.718	0.35	-0.12	1.25
6057.00	15.580	223.470	5891.20	44.72	-897.86	-858.98	1729859.01	14400211.85	39°39'7.5673"N	80°40'56.0217"W	1242.58	223.732	0.60	0.18	-2.15
6150.00	15.600	225.740	5980.77	46.00	-915.65	-876.53	1729841.47	14400194.07	39°39'7.3921"N	80°40'56.2469"W	1267.57	223.750	0.66	0.02	2.44
6242.00	16.540	228.230	6069.18	48.37	-933.01	-895.16	1729822.85	14400176.72	39°39'7.2212"N	80°40'56.4858"W	1292.99	223.814	1.27	1.02	2.71
6332.00	17.110	225.820	6155.33	50.79	-950.77	-914.21	1729803.80	14400158.97	39°39'7.0464"N	80°40'56.7302"W	1318.99	223.877	1.00	0.63	-2.68
6382.00	15.210	225.940	6203.35	51.81	-960.46	-924.20	1729793.82	14400149.28	39°39'6.9510"N	80°40'56.8583"W	1332.90	223.898	3.80	-3.80	0.24
6430.00	15.420	228.220	6249.65	53.01	-969.09	-933.48	1729784.54	14400140.65	39°39'6.8660"N	80°40'56.9774"W	1345.56	223.928	1.33	0.44	4.75
6520.00	15.010	228.280	6336.49	55.72	-984.82	-951.10	1729766.92	14400124.93	39°39'6.7112"N	80°40'57.2034"W	1369.11	224.002	0.46	-0.46	0.07
6612.00	13.160	228.300	6425.72	58.30	-999.71	-967.82	1729750.22	14400110.04	39°39'6.5645"N	80°40'57.4178"W	1391.44	224.071	2.01	-2.01	0.02
6705.00	15.560	228.760	6515.81	61.06	-1014.98	-985.10	1729732.94	14400094.78	39°39'6.4143"N	80°40'57.6394"W	1414.43	224.144	2.58	2.58	0.49
6796.00	17.370	229.030	6603.07	64.31	-1031.93	-1004.54	1729713.51	14400077.83	39°39'6.2474"N	80°40'57.8887"W	1440.13	224.229	1.99	1.99	0.30
6888.00	17.380	229.530	6690.88	67.94	-1049.86	-1025.36	1729692.70	14400059.92	39°39'6.0710"N	80°40'58.1557"W	1467.50	224.324	0.16	0.01	0.54
6981.00	18.180	253.110	6779.55	77.42	-1063.10	-1049.84	1729668.22	14400046.67	39°39'5.9409"N	80°40'58.4693"W	1494.11	224.640	7.74	0.86	25.35
7073.00	20.330	274.200	6866.50	97.62	-1066.11	-1079.55	1729638.52	14400043.67	39°39'5.9123"N	80°40'58.8493"W	1517.24	225.359	7.87	2.34	22.92
7165.00	25.210	282.030	6951.33	127.36	-1060.85	-1114.68	1729603.41	14400048.93	39°39'5.9655"N	80°40'59.2982"W	1538.81	226.418	6.23	5.30	8.51
7258.00	30.100	284.820	7033.68	165.40	-1050.75	-1156.63	1729561.48	14400059.02	39°39'6.0667"N	80°40'59.8340"W	1562.65	227.746	5.44	5.26	3.00
7350.00	35.950	292.670	7110.82	211.58	-1034.42	-1203.91	1729514.22	14400075.35	39°39'6.2298"N	80°41'0.4378"W	1587.27	229.330	7.87	6.36	8.53
7443.00	42.440	292.190	7182.85	267.04	-1012.02	-1258.21	1729459.93	14400097.74	39°39'6.4530"N	80°41'1.1310"W	1614.71	231.189	6.99	6.98	-0.52
7535.00	48.540	289.850	7247.32	328.37	-988.57	-1319.44	1729398.73	14400121.18	39°39'6.6869"N	80°41'1.9128"W	1648.70	233.158	6.87	6.63	-2.54
7628.00	55.450	296.800	7304.60	397.87	-959.41	-1386.54	1729331.66	14400150.33	39°39'6.9774"N	80°41'2.7692"W	1686.11	235.319	9.47	7.43	7.47
7675.00	59.910	295.160	7329.72	436.10	-942.03	-1422.24	1729295.97	14400167.70	39°39'7.1505"N	80°41'3.2249"W	1705.93	236.481	9.94	9.49	-3.49
7716.00	63.500	296.190	7349.15	470.79	-926.39	-1454.77	1729263.46	14400183.34	39°39'7.3062"N	80°41'3.6401"W	1724.69	237.511	9.03	8.76	2.51
7761.00	67.870	299.280	7367.68	510.58	-907.29	-1491.04	1729227.20	14400202.43	39°39'7.4962"N	80°41'4.1029"W	1745.39	238.680	11.55	9.71	6.87



WV Department of Environmental Protection

JUN 03 2021

RECEIVED  
Office of Oil and Gas

# Actual Wellpath Report

Constance Taylor WZT 201H AWP Proj: 21513'  
Page 5 of 12



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WZT 201H
Field	Wetzel	API	47103033540000
Facility	Constance Taylor WZT Pad	Wellbore	Constance Taylor WZT 201H AWB
Slot	Slot 201H		

## WELLPATH DATA (246 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]
7807.00	72.340	300.450	7383.33	552.91	-885.75	-1528.54	1729189.72	14400223.96	39°39'7.7103"N	80°41'4.5814"W	1766.63	239.909	10.01	9.72	2.54
7852.00	76.880	302.000	7395.27	595.57	-863.26	-1565.62	1729152.64	14400246.44	39°39'7.9339"N	80°41'5.0545"W	1787.85	241.128	10.62	10.09	3.44
7898.00	80.850	301.740	7404.15	640.04	-839.44	-1603.95	1729114.34	14400270.25	39°39'8.1707"N	80°41'5.5434"W	1810.33	242.374	8.65	8.63	-0.57
7944.00	84.520	304.810	7410.01	685.16	-814.41	-1642.08	1729076.22	14400295.27	39°39'8.4193"N	80°41'6.0298"W	1832.94	243.620	10.37	7.98	6.67
7990.00	88.650	306.070	7412.75	730.80	-787.79	-1679.48	1729038.83	14400321.88	39°39'8.6837"N	80°41'6.5068"W	1855.06	244.870	9.39	8.98	2.74
8080.00	90.740	304.890	7413.23	820.26	-735.56	-1752.76	1728965.58	14400374.10	39°39'9.2025"N	80°41'7.4413"W	1900.85	247.234	2.67	2.32	-1.31
8171.00	91.020	307.520	7411.83	910.83	-681.81	-1826.18	1728892.20	14400427.82	39°39'9.7361"N	80°41'8.3775"W	1949.30	249.527	2.91	0.31	2.89
8263.00	90.980	306.580	7410.22	1002.52	-626.39	-1899.59	1728818.81	14400483.22	39°39'10.2864"N	80°41'9.3137"W	2000.20	251.750	1.02	-0.04	-1.02
8356.00	90.890	310.290	7408.71	1095.34	-568.60	-1972.42	1728746.01	14400540.99	39°39'10.8601"N	80°41'10.2421"W	2052.74	253.919	3.99	-0.10	3.99
8448.00	91.260	309.330	7406.98	1187.27	-509.71	-2043.07	1728675.38	14400599.85	39°39'11.4445"N	80°41'11.1429"W	2105.70	255.992	1.12	0.40	-1.04
8537.00	91.850	310.550	7404.56	1276.20	-452.59	-2111.29	1728607.20	14400656.95	39°39'12.0113"N	80°41'12.0124"W	2159.25	257.901	1.52	0.66	1.37
8628.00	91.320	310.120	7402.05	1367.14	-393.72	-2180.63	1728537.89	14400715.80	39°39'12.5956"N	80°41'12.8963"W	2215.88	259.765	0.75	-0.58	-0.47
8721.00	91.170	309.280	7400.03	1460.06	-334.33	-2252.16	1728466.38	14400775.17	39°39'13.1850"N	80°41'13.8083"W	2276.84	261.556	0.92	-0.16	-0.90
8813.00	91.410	310.450	7397.96	1551.99	-275.37	-2322.76	1728395.81	14400834.10	39°39'13.7701"N	80°41'14.7083"W	2339.02	263.239	1.30	0.26	1.27
8905.00	91.450	310.450	7395.66	1643.94	-215.70	-2392.75	1728325.85	14400893.75	39°39'14.3622"N	80°41'15.6004"W	2402.45	264.849	0.04	0.04	0.00
8994.00	91.600	310.510	7393.29	1732.89	-157.95	-2460.42	1728258.20	14400951.48	39°39'14.9353"N	80°41'16.4631"W	2465.48	266.327	0.18	0.17	0.07
9083.00	91.480	310.290	7390.90	1821.84	-100.28	-2528.17	1728190.48	14401009.12	39°39'15.5075"N	80°41'17.3267"W	2530.16	267.728	0.28	-0.13	-0.25
9172.00	91.750	309.840	7388.39	1910.77	-43.02	-2596.26	1728122.42	14401066.36	39°39'16.0758"N	80°41'18.1947"W	2596.61	269.051	0.59	0.30	-0.51
9264.00	92.000	310.310	7385.38	2002.68	16.18	-2666.62	1728052.08	14401125.53	39°39'16.6632"N	80°41'19.0916"W	2666.67	270.348	0.58	0.27	0.51
9357.00	91.200	309.410	7382.78	2095.60	75.76	-2737.98	1727980.75	14401185.09	39°39'17.2545"N	80°41'20.0014"W	2739.02	271.585	1.29	-0.86	-0.97
9450.00	91.050	308.080	7380.96	2188.46	133.95	-2810.49	1727908.26	14401243.26	39°39'17.8321"N	80°41'20.9260"W	2813.68	272.729	1.44	-0.16	-1.43
9542.00	91.390	308.320	7379.00	2280.27	190.83	-2882.78	1727836.01	14401300.12	39°39'18.3967"N	80°41'21.8476"W	2889.09	273.787	0.45	0.37	0.26
9634.00	90.890	308.540	7377.17	2372.10	248.00	-2954.83	1727763.98	14401357.27	39°39'18.9642"N	80°41'22.7663"W	2965.22	274.798	0.59	-0.54	0.24
9724.00	91.570	309.550	7375.24	2461.98	304.68	-3024.71	1727694.13	14401413.92	39°39'19.5267"N	80°41'23.6573"W	3040.02	275.752	1.35	0.76	1.12
9816.00	91.600	309.830	7372.69	2553.89	363.41	-3095.48	1727623.39	14401472.63	39°39'20.1096"N	80°41'24.5595"W	3116.74	276.696	0.31	0.03	0.30
9909.00	90.800	307.980	7370.74	2646.76	421.80	-3167.83	1727551.07	14401531.00	39°39'20.6891"N	80°41'25.4820"W	3195.79	277.584	2.17	-0.86	-1.99
10001.00	91.570	309.520	7368.84	2738.62	479.37	-3239.56	1727479.36	14401588.55	39°39'21.2605"N	80°41'26.3966"W	3274.84	278.417	1.87	0.84	1.67
10090.00	91.480	308.950	7366.47	2827.50	535.65	-3308.48	1727410.48	14401644.80	39°39'21.8190"N	80°41'27.2752"W	3351.56	279.196	0.65	-0.10	-0.64
10181.00	91.510	309.340	7364.10	2918.39	593.07	-3379.03	1727339.95	14401702.20	39°39'22.3889"N	80°41'28.1747"W	3430.68	279.955	0.43	0.03	0.43
10272.00	91.880	311.010	7361.41	3009.31	651.75	-3448.52	1727270.48	14401760.86	39°39'22.9712"N	80°41'29.0607"W	3509.57	280.702	1.88	0.41	1.84



RECEIVED  
 Office of Oil and Gas  
 JUN 03 2021  
 WV Department of  
 Environmental Protection

# Actual Wellpath Report

Constance Taylor WTZ 201H AWP Proj: 21513'  
 Page 6 of 12



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 201H
Field	Wetzel	API	47103033540000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 201H AWB
Slot	Slot 201H		

WELLPATH DATA (246 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]	
10365.00	91.540	309.150	7358.63	3102.23	711.60	-3519.65	1727199.39	14401820.68	39°39'23.5651"N	80°41'29.9674"W	3590.86	281.430	2.03	-0.37	-2.00	
10453.00	91.690	309.530	7356.15	3190.12	767.36	-3587.68	1727131.38	14401876.42	39°39'24.1185"N	80°41'30.8348"W	3668.83	282.073	0.46	0.17	0.43	
10543.00	91.540	309.480	7353.61	3280.02	824.59	-3657.09	1727062.00	14401933.63	39°39'24.6864"N	80°41'31.7198"W	3748.91	282.706	0.18	-0.17	-0.06	
10632.00	91.320	309.260	7351.39	3368.92	881.03	-3725.88	1726993.24	14401990.05	39°39'25.2465"N	80°41'32.5968"W	3828.62	283.304	0.35	-0.25	-0.25	
10722.00	91.230	309.370	7349.39	3458.82	938.04	-3795.49	1726923.66	14402047.03	39°39'25.8123"N	80°41'33.4844"W	3909.69	283.882	0.16	-0.10	0.12	
10813.00	91.540	309.700	7347.19	3549.73	995.95	-3865.65	1726853.52	14402104.92	39°39'26.3870"N	80°41'34.3789"W	3991.89	284.448	0.50	0.34	0.36	
10903.00	91.450	310.010	7344.84	3639.66	1053.60	-3934.72	1726784.48	14402162.55	39°39'26.9591"N	80°41'35.2595"W	4073.34	284.990	0.36	-0.10	0.34	
10994.00	91.750	311.380	7342.30	3730.61	1112.92	-4003.68	1726715.54	14402221.84	39°39'27.5476"N	80°41'36.1387"W	4155.49	285.534	1.54	0.33	1.51	
11087.00	91.600	311.560	7339.58	3823.57	1174.48	-4073.34	1726645.91	14402283.38	39°39'28.1584"N	80°41'37.0266"W	4239.28	286.084	0.25	-0.16	0.19	
11176.00	91.720	311.020	7337.01	3912.53	1233.18	-4140.18	1726579.10	14402342.06	39°39'28.7408"N	80°41'37.8787"W	4319.94	286.586	0.62	0.13	-0.61	
11266.00	91.880	312.220	7334.18	4002.48	1292.93	-4207.43	1726511.88	14402401.78	39°39'29.3335"N	80°41'38.7359"W	4401.60	287.082	1.34	0.18	1.33	
11357.00	91.750	311.880	7331.30	4093.43	1353.85	-4274.97	1726444.36	14402462.68	39°39'29.9378"N	80°41'39.5968"W	4484.22	287.573	0.40	-0.14	-0.37	
11447.00	91.940	311.700	7328.40	4183.39	1413.79	-4342.04	1726377.32	14402522.60	39°39'30.5325"N	80°41'40.4518"W	4566.41	288.036	0.29	0.21	-0.20	
11538.00	91.600	311.710	7325.59	4274.34	1474.30	-4409.94	1726309.44	14402583.09	39°39'31.1328"N	80°41'41.3174"W	4649.86	288.485	0.37	-0.37	0.01	
11629.00	91.820	311.590	7322.87	4365.30	1534.75	-4477.91	1726241.50	14402643.51	39°39'31.7325"N	80°41'42.1838"W	4733.62	288.919	0.28	0.24	-0.13	
11722.00	91.480	311.510	7320.19	4458.26	1596.41	-4547.48	1726171.96	14402705.15	39°39'32.3442"N	80°41'43.0707"W	4819.55	289.344	0.38	-0.37	-0.09	
11814.00	91.660	311.580	7317.67	4550.23	1657.40	-4616.31	1726103.16	14402766.12	39°39'32.9493"N	80°41'43.9481"W	4904.83	289.750	0.21	0.20	0.08	
11905.00	92.030	312.100	7314.74	4641.18	1718.07	-4684.07	1726035.42	14402826.76	39°39'33.5512"N	80°41'44.8119"W	4989.22	290.143	0.70	0.41	0.57	
11995.00	91.910	311.700	7311.65	4731.13	1778.14	-4751.02	1725968.50	14402886.81	39°39'34.1471"N	80°41'45.6653"W	5072.87	290.519	0.46	-0.13	-0.44	
12086.00	91.690	311.230	7308.79	4822.08	1838.37	-4819.18	1725900.37	14402947.01	39°39'34.7446"N	80°41'46.5342"W	5157.91	290.880	0.57	-0.24	-0.52	
12177.00	91.720	311.610	7306.08	4913.04	1898.55	-4887.39	1725832.19	14403007.16	39°39'35.3416"N	80°41'47.4037"W	5243.19	291.229	0.42	0.03	0.42	
12267.00	91.970	311.230	7303.19	5002.99	1958.06	-4954.84	1725764.76	14403066.65	39°39'35.9320"N	80°41'48.2636"W	5327.70	291.563	0.51	0.28	-0.42	
12357.00	91.820	311.190	7300.21	5092.94	2017.32	-5022.51	1725697.12	14403125.89	39°39'36.5199"N	80°41'49.1263"W	5412.50	291.883	0.17	-0.17	-0.04	
12448.00	91.910	311.290	7297.25	5183.89	2077.27	-5090.90	1725628.75	14403185.82	39°39'37.1147"N	80°41'49.9982"W	5498.40	292.197	0.15	0.10	0.11	
12539.00	92.060	312.010	7294.10	5274.83	2137.71	-5158.86	1725560.82	14403246.24	39°39'37.7143"N	80°41'50.8645"W	5584.23	292.508	0.81	0.16	0.79	
12629.00	91.540	311.620	7291.27	5364.79	2197.69	-5225.90	1725493.81	14403306.19	39°39'38.3093"N	80°41'51.7192"W	5669.20	292.809	0.72	-0.58	-0.43	
12721.00	91.630	311.460	7288.73	5456.75	2258.68	-5294.74	1725425.00	14403367.15	39°39'38.9143"N	80°41'52.5967"W	5756.37	293.103	0.20	0.10	-0.17	
12813.00	91.720	311.510	7286.04	5548.71	2319.59	-5363.63	1725356.13	14403428.04	39°39'39.5186"N	80°41'53.4750"W	5843.71	293.387	0.11	0.10	0.05	
12904.00	91.940	311.580	7283.13	5639.67	2379.91	-5431.70	1725288.09	14403488.34	39°39'40.1170"N	80°41'54.3428"W	5930.21	293.661	0.25	0.24	0.08	
12995.00	91.600	311.500	7280.32	5730.62	2440.23	-5499.78	1725220.03	14403548.64	39°39'40.7154"N	80°41'55.2107"W	6016.83	293.927	0.38	-0.37	-0.09	



WV Department of Environmental Protection  
 RECEIVED  
 Office of Oil and Gas  
 JUN 03 2021

# Actual Wellpath Report

Constance Taylor WTZ 201H AWP Proj: 21513'  
 Page 7 of 12



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 201H
Field	Wetzel	API	47103033540000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 201H AWB
Slot	Slot 201H		

## WELLPATH DATA (246 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]
13086.00	91.690	312.300	7277.71	5821.58	2500.98	-5567.48	1725152.36	14403609.36	39°39'41.3180"N	80°41'56.0738"W	6103.42	294.190	0.88	0.10	0.88
13177.00	91.820	311.750	7274.92	5912.54	2561.87	-5635.05	1725084.82	14403670.23	39°39'41.9220"N	80°41'56.9352"W	6190.07	294.448	0.62	0.14	-0.60
13267.00	91.480	311.250	7272.33	6002.50	2621.48	-5702.43	1725017.46	14403729.81	39°39'42.5133"N	80°41'57.7942"W	6276.13	294.689	0.67	-0.38	-0.56
13358.00	91.750	311.100	7269.76	6093.46	2681.37	-5770.90	1724949.02	14403789.68	39°39'43.1074"N	80°41'58.6671"W	6363.41	294.921	0.34	0.30	-0.16
13448.00	92.060	312.210	7266.77	6183.41	2741.15	-5838.10	1724881.84	14403849.44	39°39'43.7005"N	80°41'59.5239"W	6449.60	295.151	1.28	0.34	1.23
13539.00	91.720	311.960	7263.77	6274.36	2802.11	-5905.60	1724814.37	14403910.37	39°39'44.3052"N	80°42'0.3844"W	6536.66	295.384	0.46	-0.37	-0.27
13630.00	91.050	311.680	7261.57	6365.33	2862.77	-5973.40	1724746.60	14403971.01	39°39'44.9069"N	80°42'1.2487"W	6623.97	295.606	0.80	-0.74	-0.31
13720.00	91.020	311.610	7259.95	6455.32	2922.57	-6040.64	1724679.38	14404030.78	39°39'45.5001"N	80°42'2.1060"W	6710.50	295.818	0.08	-0.03	-0.08
13811.00	90.950	311.790	7258.38	6546.30	2983.09	-6108.58	1724611.48	14404091.28	39°39'46.1005"N	80°42'2.9721"W	6798.06	296.028	0.21	-0.08	0.20
13902.00	90.830	311.020	7256.97	6637.29	3043.27	-6176.82	1724543.26	14404151.44	39°39'46.6975"N	80°42'3.8422"W	6885.83	296.229	0.86	-0.13	-0.85
13993.00	91.080	311.670	7255.45	6728.27	3103.38	-6245.13	1724474.98	14404211.52	39°39'47.2937"N	80°42'4.7130"W	6973.71	296.424	0.77	0.27	0.71
14084.00	91.480	311.650	7253.42	6819.25	3163.85	-6313.10	1724407.03	14404271.97	39°39'47.8936"N	80°42'5.5796"W	7061.53	296.618	0.44	0.44	-0.02
14175.00	91.320	311.120	7251.19	6910.22	3223.99	-6381.36	1724338.80	14404332.09	39°39'48.4902"N	80°42'6.4498"W	7149.53	296.804	0.61	-0.18	-0.58
14265.00	91.880	312.590	7248.68	7000.18	3284.02	-6448.36	1724271.82	14404392.09	39°39'49.0857"N	80°42'7.3041"W	7236.45	296.989	1.75	0.62	1.63
14356.00	91.260	311.560	7246.19	7091.15	3344.97	-6515.88	1724204.33	14404453.02	39°39'49.6903"N	80°42'8.1649"W	7324.31	297.174	1.32	-0.68	-1.13
14447.00	91.570	313.040	7243.94	7182.11	3406.20	-6583.17	1724137.07	14404514.22	39°39'50.2976"N	80°42'9.0227"W	7412.17	297.358	1.66	0.34	1.63
14537.00	91.510	313.120	7241.52	7272.05	3467.65	-6648.88	1724071.39	14404575.65	39°39'50.9070"N	80°42'9.8603"W	7498.81	297.544	0.11	-0.07	0.09
14628.00	91.080	313.090	7239.47	7363.00	3529.82	-6715.30	1724004.99	14404637.79	39°39'51.5236"N	80°42'10.7071"W	7586.49	297.728	0.47	-0.47	-0.03
14718.00	91.080	312.350	7237.77	7452.97	3590.86	-6781.41	1723938.91	14404698.81	39°39'52.1291"N	80°42'11.5498"W	7673.45	297.902	0.82	0.00	-0.82
14809.00	91.200	312.420	7235.96	7543.94	3652.19	-6848.61	1723871.73	14404760.12	39°39'52.7374"N	80°42'12.4066"W	7761.57	298.070	0.15	0.13	0.08
14900.00	91.380	312.380	7233.91	7634.91	3713.54	-6915.79	1723804.58	14404821.44	39°39'53.3459"N	80°42'13.2630"W	7849.75	298.234	0.20	0.20	-0.04
14990.00	91.850	312.690	7231.37	7724.86	3774.36	-6982.09	1723738.31	14404882.24	39°39'53.9491"N	80°42'14.1082"W	7936.96	298.395	0.63	0.52	0.34
15080.00	91.720	311.210	7228.57	7814.82	3834.49	-7048.99	1723671.44	14404942.35	39°39'54.5455"N	80°42'14.9611"W	8024.43	298.545	1.65	-0.14	-1.64
15171.00	91.750	311.090	7225.81	7905.77	3894.34	-7117.48	1723602.97	14405002.18	39°39'55.1393"N	80°42'15.8344"W	8113.22	298.685	0.14	0.03	-0.13
15261.00	91.940	312.190	7222.92	7995.72	3954.11	-7184.70	1723535.77	14405061.92	39°39'55.7322"N	80°42'16.6915"W	8200.91	298.826	1.24	0.21	1.22
15352.00	92.220	312.430	7219.61	8086.66	4015.33	-7251.95	1723468.55	14405123.11	39°39'56.3393"N	80°42'17.5489"W	8289.37	298.973	0.41	0.31	0.26
15443.00	91.820	312.280	7216.41	8177.59	4076.60	-7319.16	1723401.37	14405184.36	39°39'56.9470"N	80°42'18.4057"W	8377.87	299.117	0.47	-0.44	-0.16
15533.00	91.420	312.800	7213.86	8267.55	4137.42	-7385.44	1723335.11	14405245.16	39°39'57.5503"N	80°42'19.2508"W	8465.40	299.258	0.73	-0.44	0.58
15623.00	91.450	312.380	7211.61	8357.51	4198.31	-7451.68	1723268.90	14405306.03	39°39'58.1542"N	80°42'20.0953"W	8552.98	299.397	0.47	0.03	-0.47
15714.00	91.690	312.970	7209.12	8448.46	4259.97	-7518.56	1723202.05	14405367.66	39°39'58.7658"N	80°42'20.9479"W	8641.53	299.536	0.70	0.26	0.65





RECEIVED  
 Office of Oil and Gas  
 JUN 03 2021  
 WV Department of Environmental Protection

# Actual Wellpath Report

## Constance Taylor WTZ 201H AWP Proj: 21513'

Page 8 of 12



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 201H
Field	Wetzel	API	47103033540000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 201H AWB
Slot	Slot 201H		

WELLPATH DATA (246 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]
15805.00	91.290	312.620	7206.75	8539.41	4321.77	-7585.31	1723135.32	14405429.44	39°39'59.3787"N	80°42'21.7989"W	8730.10	299.673	0.58	-0.44	-0.38
15895.00	91.570	312.530	7204.50	8629.37	4382.64	-7651.57	1723069.09	14405490.29	39°39'59.9824"N	80°42'22.6436"W	8817.83	299.803	0.33	0.31	-0.10
15986.00	91.820	312.800	7201.81	8720.32	4444.29	-7718.45	1723002.23	14405551.91	39°40'0.5938"N	80°42'23.4963"W	8906.53	299.933	0.40	0.27	0.30
16076.00	91.480	311.730	7199.22	8810.27	4504.79	-7785.03	1722935.68	14405612.39	39°40'1.1939"N	80°42'24.3451"W	8994.43	300.056	1.25	-0.38	-1.19
16166.00	91.940	312.740	7196.53	8900.23	4565.26	-7851.63	1722869.10	14405672.83	39°40'1.7937"N	80°42'25.1943"W	9082.39	300.175	1.23	0.51	1.12
16257.00	91.630	312.280	7193.70	8991.17	4626.72	-7918.68	1722802.08	14405734.27	39°40'2.4032"N	80°42'26.0492"W	9171.26	300.297	0.61	-0.34	-0.51
16349.00	91.720	312.630	7191.01	9083.13	4688.80	-7986.53	1722734.26	14405796.32	39°40'3.0189"N	80°42'26.9142"W	9261.18	300.417	0.39	0.10	0.38
16439.00	91.630	312.820	7188.38	9173.07	4749.83	-8052.62	1722668.20	14405857.33	39°40'3.6242"N	80°42'27.7568"W	9349.10	300.534	0.23	-0.10	0.21
16530.00	91.350	312.510	7186.01	9264.03	4811.48	-8119.51	1722601.33	14405918.96	39°40'4.2357"N	80°42'28.6096"W	9438.05	300.650	0.46	-0.31	-0.34
16621.00	91.600	312.630	7183.67	9354.99	4873.02	-8186.51	1722534.36	14405980.47	39°40'4.8460"N	80°42'29.4638"W	9527.08	300.763	0.30	0.27	0.13
16711.00	91.570	312.700	7181.18	9444.94	4933.99	-8252.66	1722468.23	14406041.42	39°40'5.4507"N	80°42'30.3072"W	9615.13	300.874	0.08	-0.03	0.08
16802.00	91.420	312.260	7178.81	9535.90	4995.43	-8319.75	1722401.17	14406102.83	39°40'6.0600"N	80°42'31.1626"W	9704.25	300.982	0.51	-0.16	-0.48
16894.00	91.690	312.830	7176.31	9627.85	5057.61	-8387.51	1722333.44	14406164.99	39°40'6.6767"N	80°42'32.0265"W	9794.37	301.090	0.69	0.29	0.62
16984.00	90.980	312.390	7174.21	9717.82	5118.53	-8453.73	1722267.25	14406225.88	39°40'7.2808"N	80°42'32.8708"W	9882.55	301.194	0.93	-0.79	-0.49
17075.00	91.200	312.910	7172.48	9808.79	5180.17	-8520.64	1722200.36	14406287.50	39°40'7.8922"N	80°42'33.7240"W	9971.74	301.298	0.62	0.24	0.57
17164.00	91.110	313.590	7170.69	9897.73	5241.14	-8585.46	1722135.57	14406348.44	39°40'8.4968"N	80°42'34.5503"W	10058.81	301.403	0.77	-0.10	0.76
17252.00	90.890	313.370	7169.15	9985.68	5301.68	-8649.30	1722071.75	14406408.96	39°40'9.0972"N	80°42'35.3642"W	10144.86	301.507	0.35	-0.25	-0.25
17341.00	91.050	313.200	7167.65	10074.63	5362.69	-8714.08	1722007.00	14406469.95	39°40'9.7022"N	80°42'36.1901"W	10231.99	301.608	0.26	0.18	-0.19
17429.00	90.860	313.230	7166.18	10162.58	5422.94	-8778.20	1721942.90	14406530.17	39°40'10.2997"N	80°42'37.0076"W	10318.19	301.707	0.22	-0.22	0.03
17518.00	91.020	314.620	7164.72	10251.50	5484.67	-8842.30	1721878.83	14406591.88	39°40'10.9118"N	80°42'37.8247"W	10405.18	301.810	1.57	0.18	1.56
17607.00	91.260	315.410	7162.95	10340.33	5547.61	-8905.20	1721815.95	14406654.79	39°40'11.5358"N	80°42'38.6265"W	10491.83	301.921	0.93	0.27	0.89
17695.00	91.230	314.120	7161.04	10428.18	5609.56	-8967.66	1721753.51	14406716.72	39°40'12.1501"N	80°42'39.4228"W	10577.62	302.027	1.47	-0.03	-1.47
17785.00	90.950	313.560	7159.32	10518.10	5671.89	-9032.57	1721688.64	14406779.02	39°40'12.7681"N	80°42'40.2502"W	10665.72	302.126	0.70	-0.31	-0.62
17874.00	91.020	314.130	7157.79	10607.02	5733.53	-9096.74	1721624.48	14406840.64	39°40'13.3794"N	80°42'41.0684"W	10752.87	302.223	0.65	0.08	0.64
17964.00	90.890	311.040	7156.29	10696.99	5794.42	-9162.99	1721558.26	14406901.50	39°40'13.9832"N	80°42'41.9131"W	10841.39	302.308	3.44	-0.14	-3.43
18053.00	91.080	311.340	7154.76	10785.97	5853.02	-9229.96	1721491.32	14406960.08	39°40'14.5645"N	80°42'42.7671"W	10929.31	302.380	0.40	0.21	0.34
18141.00	91.110	311.420	7153.08	10873.95	5911.18	-9295.97	1721425.33	14407018.22	39°40'15.1414"N	80°42'43.6090"W	11016.22	302.452	0.10	0.03	0.09
18231.00	91.170	310.750	7151.29	10963.93	5970.31	-9363.80	1721357.53	14407077.33	39°40'15.7279"N	80°42'44.4739"W	11105.19	302.521	0.75	0.07	-0.74
18320.00	91.080	311.050	7149.54	11052.90	6028.58	-9431.05	1721290.30	14407135.57	39°40'16.3058"N	80°42'45.3316"W	11193.23	302.588	0.35	-0.10	0.34
18410.00	91.260	310.800	7147.71	11142.88	6087.52	-9499.04	1721222.34	14407194.49	39°40'16.8905"N	80°42'46.1986"W	11282.27	302.654	0.34	0.20	-0.28



WV Department of Environmental Protection  
 JUN 03 2021  
 RECEIVED  
 Office of Oil and Gas

# Actual Wellpath Report

## Constance Taylor WTZ 201H AWP Proj: 21513'

Page 9 of 12



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 201H
Field	Wetzel	API	47103033540000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 201H AWB
Slot	Slot 201H		

WELLPATH DATA (246 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]
18499.00	91.320	310.320	7145.70	11231.84	6145.38	-9566.64	1721154.77	14407252.33	39°40'17.4645"N	80°42'47.0608"W	11370.41	302.716	0.54	0.07	-0.54
18586.00	91.320	310.040	7143.70	11318.78	6201.49	-9633.09	1721088.35	14407308.42	39°40'18.0211"N	80°42'47.9083"W	11456.66	302.772	0.32	0.00	-0.32
18679.00	91.350	309.690	7141.53	11411.71	6261.09	-9704.45	1721017.01	14407367.99	39°40'18.6124"N	80°42'48.8185"W	11548.92	302.829	0.38	0.03	-0.38
18765.00	91.380	310.990	7139.48	11497.66	6316.74	-9769.99	1720951.51	14407423.62	39°40'19.1644"N	80°42'49.6543"W	11634.17	302.885	1.51	0.03	1.51
18855.00	91.380	310.760	7137.32	11587.63	6375.62	-9838.02	1720883.50	14407482.48	39°40'19.7485"N	80°42'50.5219"W	11723.27	302.946	0.26	0.00	-0.26
18946.00	91.450	311.430	7135.07	11678.60	6435.42	-9906.58	1720814.97	14407542.25	39°40'20.3416"N	80°42'51.3962"W	11813.33	303.008	0.74	0.08	0.74
19033.00	91.420	311.630	7132.89	11765.57	6493.08	-9971.68	1720749.88	14407599.89	39°40'20.9135"N	80°42'52.2265"W	11899.35	303.070	0.23	-0.03	0.23
19123.00	91.350	310.660	7130.71	11855.54	6552.28	-10039.44	1720682.16	14407659.07	39°40'21.5007"N	80°42'53.0906"W	11988.44	303.131	1.08	-0.08	-1.08
19216.00	91.110	311.070	7128.72	11948.51	6613.11	-10109.75	1720611.87	14407719.88	39°40'22.1041"N	80°42'53.9874"W	12080.58	303.190	0.51	-0.26	0.44
19302.00	90.250	310.910	7127.70	12034.49	6669.52	-10174.66	1720546.99	14407776.26	39°40'22.6636"N	80°42'54.8152"W	12165.78	303.245	1.02	-1.00	-0.19
19391.00	90.830	311.920	7126.86	12123.49	6728.39	-10241.40	1720480.27	14407835.11	39°40'23.2475"N	80°42'55.6664"W	12253.88	303.304	1.31	0.65	1.13
19481.00	91.380	312.270	7125.12	12213.47	6788.71	-10308.17	1720413.53	14407895.41	39°40'23.8458"N	80°42'56.5178"W	12342.81	303.368	0.72	0.61	0.39
19570.00	91.260	312.300	7123.07	12302.44	6848.58	-10374.00	1720347.73	14407955.25	39°40'24.4395"N	80°42'57.3572"W	12430.72	303.431	0.14	-0.13	0.03
19659.00	91.690	314.030	7120.78	12391.38	6909.44	-10438.89	1720282.86	14408016.09	39°40'25.0430"N	80°42'58.1847"W	12518.42	303.500	2.00	0.48	1.94
19751.00	91.660	313.310	7118.09	12483.28	6972.94	-10505.41	1720216.37	14408079.56	39°40'25.6726"N	80°42'59.0328"W	12608.94	303.574	0.78	-0.03	-0.78
19841.00	92.460	313.980	7114.86	12573.17	7035.01	-10570.49	1720151.31	14408141.61	39°40'26.2881"N	80°42'59.8626"W	12697.51	303.645	1.16	0.89	0.74
19928.00	91.750	312.720	7111.66	12660.07	7094.69	-10633.71	1720088.12	14408201.27	39°40'26.8799"N	80°43'0.6687"W	12783.21	303.711	1.66	-0.82	-1.45
20020.00	91.820	313.320	7108.80	12752.00	7157.43	-10700.94	1720020.91	14408263.98	39°40'27.5020"N	80°43'1.5260"W	12873.96	303.777	0.66	0.08	0.65
20110.00	91.880	313.210	7105.89	12841.92	7219.08	-10766.44	1719955.44	14408325.61	39°40'28.1133"N	80°43'2.3613"W	12962.69	303.843	0.14	0.07	-0.12
20200.00	92.190	313.980	7102.69	12931.81	7281.10	-10831.58	1719890.32	14408387.60	39°40'28.7283"N	80°43'3.1918"W	13051.35	303.909	0.92	0.34	0.86
20290.00	92.060	313.490	7099.36	13021.69	7343.28	-10896.57	1719825.36	14408449.75	39°40'29.3448"N	80°43'4.0204"W	13139.97	303.976	0.56	-0.14	-0.54
20379.00	91.910	313.160	7096.27	13110.60	7404.31	-10961.27	1719760.68	14408510.76	39°40'29.9500"N	80°43'4.8455"W	13227.75	304.039	0.41	-0.17	-0.37
20468.00	91.450	313.400	7093.67	13199.52	7465.29	-11026.04	1719695.94	14408571.73	39°40'30.5547"N	80°43'5.6713"W	13315.56	304.100	0.58	-0.52	0.27
20557.00	91.570	313.600	7091.32	13288.45	7526.54	-11090.58	1719631.43	14408632.94	39°40'31.1620"N	80°43'6.4942"W	13403.34	304.162	0.26	0.13	0.22
20647.00	91.540	313.650	7088.88	13378.36	7588.61	-11155.70	1719566.34	14408694.99	39°40'31.7774"N	80°43'7.3247"W	13492.09	304.225	0.06	-0.03	0.06
20737.00	91.200	313.230	7086.73	13468.29	7650.47	-11221.03	1719501.03	14408756.83	39°40'32.3908"N	80°43'8.1577"W	13580.91	304.286	0.60	-0.38	-0.47
20825.00	91.260	313.510	7084.84	13556.23	7710.89	-11284.98	1719437.10	14408817.22	39°40'32.9899"N	80°43'8.9732"W	13667.80	304.344	0.33	0.07	0.32
20914.00	91.420	313.640	7082.76	13645.16	7772.22	-11349.44	1719372.67	14408878.53	39°40'33.5980"N	80°43'9.7952"W	13755.63	304.404	0.23	0.18	0.15
21004.00	91.230	313.000	7080.67	13735.10	7833.95	-11414.91	1719307.23	14408940.24	39°40'34.2101"N	80°43'10.6299"W	13844.52	304.461	0.74	-0.21	-0.71
21095.00	91.230	313.610	7078.72	13826.04	7896.35	-11481.11	1719241.05	14409002.61	39°40'34.8289"N	80°43'11.4741"W	13934.43	304.519	0.67	0.00	0.67



JUN 03 2021

RECEIVED  
Office of Oil and Gas

# Actual Wellpath Report

## Constance Taylor WTZ 201H AWP Proj: 21513'

Page 10 of 12



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 201H
Field	Wetzel	API	47103033540000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 201H AWB
Slot	Slot 201H		

**WELLPATH DATA (246 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]
21185.00	91.200	313.410	7076.81	13915.97	7958.30	-11546.37	1719175.82	14409064.54	39°40'35.4431"N	80°43'12.3063"W	14023.31	304.576	0.22	-0.03	-0.22
21273.00	90.950	313.010	7075.16	14003.92	8018.54	-11610.50	1719111.72	14409124.75	39°40'36.0404"N	80°43'13.1240"W	14110.30	304.630	0.54	-0.28	-0.45
21365.00	91.380	313.560	7073.29	14095.87	8081.61	-11677.45	1719044.79	14409187.79	39°40'36.6657"N	80°43'13.9779"W	14201.24	304.686	0.76	0.47	0.60
21456.00	91.230	313.520	7071.22	14186.80	8144.28	-11743.40	1718978.86	14409250.44	39°40'37.2871"N	80°43'14.8188"W	14291.14	304.742	0.17	-0.16	-0.04
21488.00	91.080	313.620	7070.57	14218.77	8166.33	-11766.58	1718955.69	14409272.48	39°40'37.5058"N	80°43'15.1144"W	14322.76	304.762	0.56	-0.47	0.31
21513.00‡	91.080	313.620	7070.10	14243.75	8183.57	-11784.68	1718937.60	14409289.72	39°40'37.6767"N	80°43'15.3452"W	14347.45	304.777	0.00	0.00	0.00

**HOLE & CASING SECTIONS - Ref Wellbore: Constance Taylor WTZ 201H AWB Ref Wellpath: Constance Taylor WTZ 201H AWP Proj: 21513'**

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]
20in Conductor	26.00	100.00	74.00	26.00	100.00	0.00	0.00	0.08	-0.01
17.5in Open Hole	100.00	439.00	339.00	100.00	439.00	0.08	-0.01	0.91	0.47
13.375in Casing Surface	26.00	439.00	413.00	26.00	439.00	0.00	0.00	0.91	0.47
12.25in Open Hole	439.00	2948.00	2509.00	439.00	2904.04	0.91	0.47	-302.53	-238.60
9.625in Casing Intermediate	26.00	2948.00	2922.00	26.00	2904.04	0.00	0.00	-302.53	-238.60
8.75in Open Hole	2948.00	6407.00	3459.00	2904.04	6227.47	-302.53	-238.60	-964.99	-928.98
8.5in Open Hole	6407.00	21513.00	15106.00	6227.47	7070.10	-964.99	-928.98	8183.57	-11784.68
5.5in Casing Production	26.00	21513.00	21487.00	26.00	7070.10	0.00	0.00	8183.57	-11784.68



RECEIVED  
 Office of Oil and Gas  
 JUN 03 2021  
 WV Department of  
 Environmental Protection

# Actual Wellpath Report

Constance Taylor WTZ 201H AWP Proj: 21513'  
Page 11 of 12



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 201H
Field	Wetzel	API	47103033540000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 201H AWB
Slot	Slot 201H		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Constance Taylor WTZ 201H BHL Rev-3	7083.40	8184.47	-11783.61	1718938.67	14409290.62	39°40'37.6856"N	80°43'15.3315"W	point
Constance Taylor WTZ 201H LP Rev-3	7413.00	-778.74	-1714.31	1729004.02	14400330.93	39°39'8.7744"N	80°41'6.9516"W	point

WELLPATH COMPOSITION - Ref Wellbore: Constance Taylor WTZ 201H AWB    Ref Wellpath: Constance Taylor WTZ 201H AWP Proj: 21513'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
26.00	418.00	OWSG MWD rev2 + HRGM	01_Premier MWD <17-1/2"> (225'-418')	Constance Taylor WTZ 201H AWB	11/18/2020
418.00	2835.00	OWSG MWD rev2 + HRGM	02_Premier MWD <12-1/4"> (543'-2835')	Constance Taylor WTZ 201H AWB	11/18/2020
2835.00	6332.00	OWSG MWD rev2 + HRGM	03_Premier MWD <8-3/4"> (2914'-6332')	Constance Taylor WTZ 201H AWB	11/18/2020
6332.00	21513.00	BH AutoTrak Curve (2019) (Short spacing)	04_BH AT Curve <8-1/2"> (6382'-21488')	Constance Taylor WTZ 201H AWB	11/18/2020

REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 201H
Field	Wetzel	API	47103033540000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 201H AWB
Slot	Slot 201H		

COMMENTS
<p><b>Wellpath general comments</b>            API: 47-103-03354-0000            BH Job #: 110632815            Rig: SDC 41            Duration: 11/27/2020 - 11/30/2020</p>

RECEIVED  
 Office of Oil and Gas  
 JUN 03 2021  
 WV Department of  
 Environmental Protection