





# Actual Wellpath Report

Constance Taylor WTZ 10H awp Proj: 22316'  
Page 1 of 11



RECEIVED  
Oil and Gas  
05 21  
Department of  
Environmental Protection  
Environ

REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 10H
Field	Wetzel	API	47103036090000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 10H AWB
Slot	10H		

REPORT SETUP INFORMATION			
Projection System	NAD83 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Tranlam
Scale	0.999609	Report Generated	2/20/2024 at 10:50:27 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	-57.87	42.82	1730719.39	14401073.36	39°39'16.0546"N	80°40'44.9781"W
Facility Reference Pt			1730676.58	14401131.21	39°39'16.6280"N	80°40'45.5230"W
Field Reference Pt			0.00	0.00	0°00'0.0000"	85°29'19.4780"W

WELLPATH DATUM			
Calculation method	Minimum curvature	SDC 40 (KB) to Facility Vertical Datum	1456.20ft
Horizontal Reference Pt	Slot	SDC 40 (KB) to Mean Sea Level	1456.20ft
Vertical Reference Pt	SDC 40 (KB)	SDC 40 (KB) to Ground Level at Slot (10H)	26.00ft
MD Reference Pt	SDC 40 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	133.52°



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 10H
Field	Wetzel	API	47103036090000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 10H AWB
Slot	10H		

**WELLPATH DATA (238 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]	Comments
0.00†	0.000	70.060	0.00	0.00	0.00	0.00	1730719.39	14401073.36	39°39'16.0546"N	80°40'44.9781"W	0.00	0.000	0.00	
26.00	0.000	70.060	26.00	0.00	0.00	0.00	1730719.39	14401073.36	39°39'16.0546"N	80°40'44.9781"W	0.00	0.000	0.00	
175.00	0.410	70.060	175.00	0.24	0.18	0.50	1730719.89	14401073.54	39°39'16.0563"N	80°40'44.9717"W	0.53	70.060	0.28	
236.00	0.310	92.420	236.00	0.46	0.25	0.87	1730720.26	14401073.61	39°39'16.0570"N	80°40'44.9670"W	0.91	74.033	0.28	
327.00	0.140	83.370	327.00	0.72	0.25	1.23	1730720.62	14401073.61	39°39'16.0570"N	80°40'44.9624"W	1.25	78.412	0.19	
392.00	0.370	95.680	392.00	0.93	0.24	1.52	1730720.90	14401073.60	39°39'16.0569"N	80°40'44.9587"W	1.53	80.996	0.36	
451.00	0.420	87.570	450.99	1.23	0.23	1.92	1730721.31	14401073.59	39°39'16.0568"N	80°40'44.9536"W	1.93	83.160	0.13	
510.00	0.720	138.820	509.99	1.75	-0.04	2.38	1730721.77	14401073.32	39°39'16.0541"N	80°40'44.9477"W	2.38	90.948	0.95	
598.00	2.780	166.380	597.95	4.10	-2.53	3.25	1730722.64	14401070.83	39°39'16.0294"N	80°40'44.9367"W	4.12	127.918	2.46	
689.00	4.550	167.310	688.76	8.95	-8.20	4.56	1730723.95	14401065.17	39°39'15.9734"N	80°40'44.9202"W	9.38	150.909	1.95	
777.00	6.200	173.430	776.37	15.50	-16.32	5.87	1730725.26	14401057.04	39°39'15.8930"N	80°40'44.9038"W	17.35	160.218	1.98	
866.00	8.190	175.410	864.66	23.90	-27.42	6.93	1730726.32	14401045.95	39°39'15.7833"N	80°40'44.8908"W	28.28	165.818	2.25	
954.00	8.340	179.440	951.75	33.01	-40.05	7.49	1730726.88	14401033.33	39°39'15.6585"N	80°40'44.8842"W	40.74	169.403	0.68	
1045.00	6.440	184.190	1041.99	40.84	-51.74	7.18	1730726.57	14401021.64	39°39'15.5430"N	80°40'44.8886"W	52.23	172.095	2.19	
1135.00	5.030	178.910	1131.54	46.81	-60.72	6.89	1730726.28	14401012.67	39°39'15.4543"N	80°40'44.8928"W	61.11	173.526	1.67	
1226.00	4.890	172.620	1222.20	52.62	-68.55	7.46	1730726.85	14401004.84	39°39'15.3768"N	80°40'44.8858"W	68.96	173.786	0.62	
1317.00	6.160	169.560	1312.77	59.58	-77.20	8.85	1730728.23	14400996.19	39°39'15.2913"N	80°40'44.8685"W	77.71	173.462	1.43	
1408.00	6.540	171.300	1403.22	67.62	-87.12	10.52	1730729.90	14400986.27	39°39'15.1931"N	80°40'44.8477"W	87.76	173.118	0.47	
1500.00	6.240	180.760	1494.65	75.16	-97.30	11.24	1730730.63	14400976.10	39°39'15.0925"N	80°40'44.8388"W	97.95	173.410	1.19	
1590.00	5.530	196.560	1584.18	80.44	-106.35	9.94	1730729.33	14400967.05	39°39'15.0032"N	80°40'44.8559"W	106.81	174.660	1.96	
1682.00	4.570	204.210	1675.82	83.66	-113.94	7.17	1730726.56	14400959.46	39°39'14.9282"N	80°40'44.8916"W	114.17	176.397	1.27	
1774.00	3.270	204.750	1767.60	85.72	-119.67	4.57	1730723.96	14400953.74	39°39'14.8717"N	80°40'44.9251"W	119.76	177.812	1.41	
1864.00	1.800	217.960	1857.51	86.68	-123.12	2.63	1730722.02	14400950.29	39°39'14.8377"N	80°40'44.9501"W	123.14	178.777	1.75	
1954.00	1.730	263.070	1947.47	85.96	-124.39	0.41	1730719.80	14400949.02	39°39'14.8252"N	80°40'44.9786"W	124.39	179.811	1.51	
2047.00	3.480	297.660	2040.38	82.35	-123.25	-3.48	1730715.91	14400950.16	39°39'14.8366"N	80°40'45.0283"W	123.30	181.619	2.45	
2138.00	5.820	313.240	2131.08	75.07	-118.81	-9.29	1730710.10	14400954.60	39°39'14.8807"N	80°40'45.1024"W	119.17	184.472	2.90	
2229.00	7.660	323.280	2221.45	64.48	-110.79	-16.28	1730703.12	14400962.62	39°39'14.9603"N	80°40'45.1913"W	111.98	188.360	2.39	
2320.00	7.540	328.730	2311.65	52.74	-100.82	-23.01	1730696.39	14400972.58	39°39'15.0590"N	80°40'45.2769"W	103.41	192.854	0.80	
2411.00	6.480	333.690	2401.97	42.16	-91.11	-28.38	1730691.02	14400982.28	39°39'15.1551"N	80°40'45.3451"W	95.43	197.301	1.34	
2501.00	5.930	335.740	2491.44	33.09	-82.32	-32.54	1730686.86	14400991.07	39°39'15.2421"N	80°40'45.3979"W	88.52	201.569	0.66	



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 10H
Field	Wetzel	API	47103036090000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 10H AWB
Slot	10H		

**WELLPATH DATA (238 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]	Comments
2592.00	5.800	333.680	2581.97	24.42	-73.92	-36.51	1730682.89	14400999.47	39°39'15.3253"N	80°40'45.4483"W	82.44	206.288	0.27	
2683.00	6.460	332.650	2672.44	15.27	-65.25	-40.90	1730678.50	14401008.14	39°39'15.4112"N	80°40'45.5041"W	77.01	212.083	0.74	
2774.00	6.410	332.420	2762.87	5.63	-56.20	-45.61	1730673.80	14401017.18	39°39'15.5008"N	80°40'45.5638"W	72.38	219.060	0.06	
2851.00	6.160	331.250	2839.41	-2.37	-48.77	-49.58	1730669.83	14401024.61	39°39'15.5744"N	80°40'45.6143"W	69.55	225.476	0.36	
2972.00	7.060	329.220	2959.60	-15.72	-36.69	-56.51	1730662.90	14401036.69	39°39'15.6940"N	80°40'45.7023"W	67.38	237.009	0.77	
3062.00	6.920	329.380	3048.93	-26.26	-27.27	-62.10	1730657.31	14401046.10	39°39'15.7873"N	80°40'45.7734"W	67.83	246.295	0.16	
3153.00	6.750	327.990	3139.29	-36.71	-18.02	-67.73	1730651.69	14401055.35	39°39'15.8789"N	80°40'45.8449"W	70.09	255.104	0.26	
3243.00	6.300	335.040	3228.71	-46.42	-9.05	-72.62	1730646.80	14401064.31	39°39'15.9676"N	80°40'45.9070"W	73.18	262.893	1.02	
3334.00	6.080	336.940	3319.18	-55.49	-0.09	-76.61	1730642.81	14401073.27	39°39'16.0563"N	80°40'45.9577"W	76.61	269.930	0.33	
3424.00	6.080	334.490	3408.67	-64.31	8.59	-80.53	1730638.89	14401081.95	39°39'16.1423"N	80°40'46.0074"W	80.99	276.091	0.29	
3515.00	6.000	333.170	3499.16	-73.29	17.19	-84.75	1730634.67	14401090.54	39°39'16.2274"N	80°40'46.0610"W	86.48	281.463	0.18	
3600.00	5.850	329.150	3583.71	-81.65	24.87	-88.98	1730630.44	14401098.22	39°39'16.3035"N	80°40'46.1146"W	92.39	285.616	0.52	
3692.00	4.220	336.820	3675.35	-89.27	32.01	-92.72	1730626.71	14401105.36	39°39'16.3742"N	80°40'46.1621"W	98.09	289.046	1.91	
3783.00	3.890	339.740	3766.13	-95.12	37.98	-95.10	1730624.32	14401111.33	39°39'16.4333"N	80°40'46.1923"W	102.41	291.770	0.43	
3873.00	5.330	329.690	3855.83	-101.87	44.45	-98.27	1730621.16	14401117.80	39°39'16.4974"N	80°40'46.2325"W	107.86	294.340	1.83	
3968.00	5.970	325.100	3950.37	-110.95	52.32	-103.33	1730616.11	14401125.66	39°39'16.5752"N	80°40'46.2968"W	115.81	296.854	0.82	
4061.00	5.640	322.120	4042.89	-120.21	59.89	-108.90	1730610.53	14401133.23	39°39'16.6503"N	80°40'46.3677"W	124.28	298.809	0.48	
4150.00	5.420	319.000	4131.48	-128.71	66.51	-114.34	1730605.09	14401139.85	39°39'16.7159"N	80°40'46.4370"W	132.28	300.187	0.42	
4239.00	6.240	330.210	4220.02	-137.53	73.88	-119.50	1730599.93	14401147.21	39°39'16.7890"N	80°40'46.5026"W	140.50	301.727	1.57	
4330.00	6.940	334.200	4310.42	-147.41	83.13	-124.35	1730595.09	14401156.45	39°39'16.8805"N	80°40'46.5642"W	149.58	303.762	0.92	
4421.00	6.820	331.890	4400.77	-157.68	92.84	-129.29	1730590.15	14401166.16	39°39'16.9767"N	80°40'46.6269"W	159.17	305.681	0.33	
4513.00	6.460	328.800	4492.15	-167.86	102.09	-134.55	1730584.90	14401175.41	39°39'17.0682"N	80°40'46.6937"W	168.89	307.189	0.55	
4604.00	6.290	326.820	4582.59	-177.65	110.64	-139.93	1730579.52	14401183.95	39°39'17.1529"N	80°40'46.7621"W	178.38	308.333	0.31	
4694.00	5.880	336.470	4672.08	-186.69	118.99	-144.46	1730574.98	14401192.30	39°39'17.2356"N	80°40'46.8197"W	187.16	309.477	1.22	
4786.00	5.600	339.240	4763.62	-195.08	127.51	-147.94	1730571.51	14401200.82	39°39'17.3199"N	80°40'46.8637"W	195.30	310.759	0.43	
4876.00	5.040	335.770	4853.23	-202.69	135.22	-151.12	1730568.33	14401208.53	39°39'17.3962"N	80°40'46.9040"W	202.78	311.823	0.72	
4967.00	5.720	332.310	4943.83	-210.69	142.88	-154.86	1730564.59	14401216.18	39°39'17.4721"N	80°40'46.9516"W	210.71	312.695	0.83	
5062.00	5.710	329.510	5038.36	-219.71	151.15	-159.46	1730559.99	14401224.45	39°39'17.5539"N	80°40'47.0100"W	219.71	313.466	0.29	
5152.00	5.030	327.800	5127.96	-227.84	158.34	-163.84	1730555.62	14401231.64	39°39'17.6252"N	80°40'47.0656"W	227.85	314.023	0.78	
5242.00	5.880	328.960	5217.56	-236.11	165.63	-168.32	1730551.14	14401238.93	39°39'17.6974"N	80°40'47.1225"W	236.14	314.539	0.95	



ELU and Gas  
 2024  
 Department of  
 Protection

**REFERENCE WELLPATH IDENTIFICATION**

Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 10H
Field	Wetzel	API	47103036090000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 10H AWB
Slot	10H		

**WELLPATH DATA (238 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]	Comments
5331.00	6.350	328.390	5306.05	-245.26	173.73	-173.25	1730546.21	14401247.02	39°39'17.7776"N	80°40'47.1852"W	245.35	315.080	0.53	
5422.00	6.840	325.690	5396.45	-255.42	182.49	-178.94	1730540.52	14401255.78	39°39'17.8644"N	80°40'47.2576"W	255.58	315.563	0.64	
5513.00	6.620	324.710	5486.82	-265.86	191.25	-185.02	1730534.44	14401264.53	39°39'17.9512"N	80°40'47.3350"W	266.10	315.948	0.27	
5603.00	6.730	327.340	5576.21	-276.07	199.92	-190.87	1730528.60	14401273.20	39°39'18.0371"N	80°40'47.4093"W	276.40	316.328	0.36	
5693.00	6.600	328.590	5665.60	-286.21	208.80	-196.42	1730523.05	14401282.07	39°39'18.1250"N	80°40'47.4799"W	286.66	316.750	0.20	
5784.00	6.000	326.460	5756.05	-295.92	217.24	-201.78	1730517.68	14401290.52	39°39'18.2087"N	80°40'47.5481"W	296.50	317.113	0.74	
5874.00	6.560	328.800	5845.51	-305.46	225.56	-207.05	1730512.42	14401298.83	39°39'18.2911"N	80°40'47.6150"W	306.18	317.451	0.68	
5965.00	6.340	328.240	5935.93	-315.33	234.28	-212.38	1730507.09	14401307.55	39°39'18.3774"N	80°40'47.6829"W	316.22	317.806	0.25	
6057.00	6.930	330.390	6027.31	-325.56	243.42	-217.80	1730501.68	14401316.69	39°39'18.4680"N	80°40'47.7517"W	326.64	318.180	0.70	
6149.00	7.330	331.210	6118.60	-336.46	253.39	-223.37	1730496.11	14401326.65	39°39'18.5667"N	80°40'47.8224"W	337.79	318.603	0.45	
6240.00	6.690	327.620	6208.92	-347.13	262.96	-229.00	1730490.48	14401336.21	39°39'18.6614"N	80°40'47.8940"W	348.70	318.948	0.85	
6332.00	6.240	327.730	6300.34	-357.18	271.71	-234.54	1730484.94	14401344.96	39°39'18.7481"N	80°40'47.9645"W	358.94	319.199	0.49	
6425.00	5.650	326.160	6392.84	-366.54	279.79	-239.79	1730479.69	14401353.04	39°39'18.8281"N	80°40'48.0312"W	368.48	319.402	0.66	
6516.00	5.770	332.040	6483.39	-375.25	287.55	-244.43	1730475.06	14401360.80	39°39'18.9050"N	80°40'48.0901"W	377.40	319.634	0.66	
6555.00	5.850	335.160	6522.19	-378.96	291.08	-246.18	1730473.30	14401364.33	39°39'18.9400"N	80°40'48.1124"W	381.23	319.777	0.84	
6638.00	6.350	337.420	6604.71	-387.09	299.16	-249.72	1730469.76	14401372.40	39°39'19.0199"N	80°40'48.1573"W	389.69	320.147	0.67	
6734.00	4.760	318.120	6700.27	-395.91	307.03	-254.42	1730465.07	14401380.27	39°39'19.0979"N	80°40'48.2170"W	398.74	320.353	2.53	
6831.00	5.090	232.460	6797.02	-400.60	307.40	-260.53	1730458.96	14401380.64	39°39'19.1018"N	80°40'48.2951"W	402.95	319.718	6.90	
6927.00	11.710	189.200	6892.02	-395.76	295.17	-265.47	1730454.02	14401368.41	39°39'18.9810"N	80°40'48.3588"W	396.99	318.032	9.08	
7023.00	19.580	178.780	6984.40	-378.91	269.42	-266.69	1730452.81	14401342.68	39°39'18.7266"N	80°40'48.3756"W	379.09	315.292	8.67	
7120.00	29.150	178.660	7072.66	-350.74	229.46	-265.79	1730453.71	14401302.73	39°39'18.3317"N	80°40'48.3659"W	351.14	310.805	9.87	
7216.00	38.360	175.170	7152.40	-311.90	176.29	-262.73	1730456.77	14401249.58	39°39'17.8060"N	80°40'48.3291"W	316.39	303.861	9.80	
7313.00	47.200	166.010	7223.59	-259.24	111.57	-251.56	1730467.93	14401184.89	39°39'17.1661"N	80°40'48.1893"W	275.19	293.919	11.13	
7409.00	57.360	158.550	7282.30	-192.68	39.53	-228.18	1730491.30	14401112.87	39°39'16.4532"N	80°40'47.8937"W	231.58	279.828	12.23	
7506.00	60.950	151.380	7332.07	-115.22	-35.80	-192.89	1730526.58	14401037.57	39°39'15.7076"N	80°40'47.4459"W	196.18	259.486	7.34	
7603.00	66.780	144.220	7374.83	-30.91	-109.32	-146.43	1730573.02	14400964.08	39°39'14.9793"N	80°40'46.8553"W	182.74	233.257	8.94	
7699.00	72.040	140.460	7408.59	57.86	-180.39	-91.52	1730627.91	14400893.04	39°39'14.2750"N	80°40'46.1564"W	202.28	206.900	6.59	
7796.00	78.160	138.120	7433.52	151.07	-251.39	-30.39	1730689.01	14400822.07	39°39'13.5712"N	80°40'45.3782"W	253.22	186.893	6.73	
7893.00	83.430	133.850	7449.04	246.68	-320.19	36.12	1730755.50	14400753.30	39°39'12.8889"N	80°40'44.5309"W	322.22	173.564	6.96	
7989.00	87.540	131.880	7456.60	342.35	-385.27	106.25	1730825.60	14400688.24	39°39'12.2432"N	80°40'43.6373"W	399.65	164.582	4.74	



RECEIVED  
Office of  
Oil and Gas  
JUN 21 2011  
Department of  
Environmental Protection

REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 10H
Field	Wetzel	API	47103036090000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 10H AWB
Slot	10H		

WELLPATH DATA (238 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]	Comments
8086.00	89.020	130.980	7459.51	439.24	-449.43	178.94	1730898.26	14400624.11	39°39'11.6066"N	80°40'42.7109"W	483.74	158.290	1.79	
8182.00	89.020	130.930	7461.15	535.13	-512.34	251.43	1730970.73	14400561.22	39°39'10.9823"N	80°40'41.7869"W	570.71	153.860	0.05	
8279.00	89.080	131.050	7462.76	632.02	-575.96	324.64	1731043.90	14400497.63	39°39'10.3510"N	80°40'40.8539"W	661.15	150.592	0.14	
8376.00	88.860	130.610	7464.50	728.89	-639.37	398.03	1731117.26	14400434.24	39°39'9.7217"N	80°40'39.9186"W	753.14	148.097	0.51	
8472.00	88.280	130.600	7466.90	824.74	-701.83	470.89	1731190.09	14400371.81	39°39'9.1018"N	80°40'38.9899"W	845.16	146.141	0.60	
8569.00	89.290	130.210	7468.95	921.57	-764.69	544.73	1731263.91	14400308.97	39°39'8.4780"N	80°40'38.0487"W	938.87	144.535	1.12	
8666.00	89.540	131.070	7469.94	1018.45	-827.86	618.33	1731337.48	14400245.83	39°39'7.8510"N	80°40'37.1106"W	1033.29	143.244	0.92	
8762.00	89.690	131.190	7470.59	1114.36	-891.00	690.64	1731409.76	14400182.71	39°39'7.2244"N	80°40'36.1891"W	1127.33	142.220	0.20	
8859.00	89.600	131.480	7471.19	1211.29	-955.07	763.47	1731482.56	14400118.67	39°39'6.5887"N	80°40'35.2609"W	1222.72	141.361	0.31	
8955.00	88.980	131.530	7472.38	1307.22	-1018.68	835.36	1731554.42	14400055.08	39°39'5.9575"N	80°40'34.3447"W	1317.40	140.647	0.65	
9052.00	89.140	131.120	7473.97	1404.14	-1082.72	908.20	1731627.23	14399991.06	39°39'5.3219"N	80°40'33.4165"W	1413.19	140.010	0.45	
9148.00	88.770	130.330	7475.72	1500.00	-1145.35	980.94	1731699.94	14399928.46	39°39'4.7004"N	80°40'32.4894"W	1508.00	139.421	0.91	
9245.00	91.170	130.200	7475.77	1596.84	-1208.03	1054.95	1731773.92	14399865.80	39°39'4.0783"N	80°40'31.5461"W	1603.83	138.870	2.48	
9341.00	87.970	131.020	7476.49	1692.70	-1270.51	1127.82	1731846.76	14399803.35	39°39'3.4582"N	80°40'30.6174"W	1698.87	138.405	3.44	
9438.00	90.460	129.630	7477.82	1789.53	-1333.27	1201.75	1731920.67	14399740.61	39°39'2.8353"N	80°40'29.6750"W	1794.94	137.970	2.94	
9534.00	89.940	130.410	7477.49	1885.35	-1395.00	1275.27	1731994.16	14399678.91	39°39'2.2226"N	80°40'28.7380"W	1890.06	137.567	0.98	
9631.00	90.090	130.480	7477.46	1982.21	-1457.93	1349.09	1732067.95	14399616.01	39°39'1.5981"N	80°40'27.7972"W	1986.35	137.220	0.17	
9727.00	89.880	130.900	7477.49	2078.09	-1520.52	1421.88	1732140.71	14399553.44	39°39'0.9769"N	80°40'26.8694"W	2081.76	136.920	0.49	
9823.00	89.380	131.230	7478.11	2174.00	-1583.58	1494.26	1732213.06	14399490.40	39°39'0.3511"N	80°40'25.9470"W	2177.28	136.662	0.62	
9920.00	88.650	130.370	7479.77	2270.88	-1646.95	1567.68	1732286.45	14399427.06	39°38'59.7222"N	80°40'25.0114"W	2273.77	136.413	1.16	
10016.00	89.380	130.040	7481.42	2366.70	-1708.91	1640.98	1732359.73	14399365.12	39°38'59.1072"N	80°40'24.0771"W	2369.22	136.162	0.83	
10113.00	89.200	129.700	7482.63	2463.50	-1771.09	1715.43	1732434.14	14399302.97	39°38'58.4900"N	80°40'23.1283"W	2465.65	135.915	0.40	
10209.00	90.310	132.130	7483.04	2559.39	-1833.95	1787.96	1732506.65	14399240.13	39°38'57.8661"N	80°40'22.2038"W	2561.29	135.727	2.78	
10305.00	87.780	131.390	7484.64	2655.32	-1897.88	1859.56	1732578.22	14399176.23	39°38'57.2318"N	80°40'21.2915"W	2657.05	135.584	2.75	
10402.00	89.200	129.730	7487.19	2752.15	-1960.92	1933.22	1732651.85	14399113.21	39°38'56.6060"N	80°40'20.3527"W	2753.65	135.408	2.25	
10498.00	90.250	131.990	7487.65	2848.04	-2023.72	2005.82	1732724.42	14399050.43	39°38'55.9828"N	80°40'19.4275"W	2849.35	135.255	2.60	
10595.00	89.230	131.830	7488.09	2945.00	-2088.51	2078.01	1732796.58	14398985.67	39°38'55.3399"N	80°40'18.5077"W	2946.18	135.145	1.06	
10691.00	89.200	131.830	7489.41	3040.95	-2152.53	2149.53	1732868.08	14398921.67	39°38'54.7046"N	80°40'17.5963"W	3042.02	135.040	0.03	
10788.00	89.170	131.340	7490.79	3137.88	-2216.91	2222.08	1732940.59	14398857.32	39°38'54.0658"N	80°40'16.6719"W	3138.84	134.933	0.51	
10884.00	89.230	130.930	7492.13	3233.79	-2280.05	2294.37	1733012.86	14398794.20	39°38'53.4391"N	80°40'15.7506"W	3234.62	134.821	0.43	



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 10H
Field	Wetzel	API	47103036090000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 10H AWB
Slot	10H		

**WELLPATH DATA (238 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]	Comments
10981.00	90.400	132.160	7492.44	3330.73	-2344.38	2366.97	1733085.43	14398729.90	39°38'52.8007"N	80°40'14.8255"W	3331.47	134.725	1.75	
11077.00	88.980	132.190	7492.96	3426.70	-2408.83	2438.11	1733156.54	14398665.47	39°38'52.1612"N	80°40'13.9191"W	3427.37	134.654	1.48	
11173.00	88.980	130.800	7494.67	3522.62	-2472.43	2510.00	1733228.41	14398601.90	39°38'51.5301"N	80°40'13.0030"W	3523.21	134.568	1.45	
11271.00	90.310	132.710	7495.28	3620.57	-2537.68	2583.10	1733301.48	14398536.67	39°38'50.8825"N	80°40'12.0715"W	3621.09	134.492	2.37	
11367.00	89.020	131.980	7495.84	3716.54	-2602.35	2654.06	1733372.40	14398472.03	39°38'50.2409"N	80°40'11.1675"W	3717.02	134.436	1.54	
11464.00	89.350	131.360	7497.22	3813.48	-2666.83	2726.51	1733444.82	14398407.58	39°38'49.6009"N	80°40'10.2443"W	3813.90	134.366	0.72	
11560.00	89.450	130.830	7498.23	3909.39	-2729.93	2798.85	1733517.14	14398344.50	39°38'48.9747"N	80°40'9.3225"W	3909.74	134.286	0.56	
11656.00	90.030	130.760	7498.66	4005.28	-2792.65	2871.52	1733589.79	14398281.81	39°38'48.3522"N	80°40'8.3963"W	4005.56	134.202	0.61	
11753.00	90.520	131.460	7498.20	4102.19	-2856.43	2944.61	1733662.84	14398218.06	39°38'47.7193"N	80°40'7.4651"W	4102.42	134.129	0.88	
11850.00	89.540	131.690	7498.14	4199.13	-2920.79	3017.17	1733735.38	14398153.71	39°38'47.0805"N	80°40'6.5405"W	4199.33	134.070	1.04	
11946.00	89.380	131.560	7499.05	4295.08	-2984.56	3088.93	1733807.11	14398089.97	39°38'46.4477"N	80°40'5.6261"W	4295.24	134.015	0.21	
12043.00	89.170	131.570	7500.28	4392.01	-3048.91	3161.50	1733879.65	14398025.65	39°38'45.8090"N	80°40'4.7015"W	4392.14	133.961	0.22	
12139.00	89.050	130.940	7501.77	4487.93	-3112.21	3233.66	1733951.78	14397962.38	39°38'45.1809"N	80°40'3.7819"W	4488.03	133.904	0.67	
12235.00	90.370	130.830	7502.25	4583.82	-3175.04	3306.24	1734024.33	14397899.57	39°38'44.5572"N	80°40'2.8571"W	4583.89	133.840	1.38	
12331.00	90.490	131.500	7501.53	4679.74	-3238.23	3378.50	1734096.57	14397836.40	39°38'43.9301"N	80°40'1.9363"W	4679.79	133.785	0.71	
12428.00	90.030	131.980	7501.09	4776.69	-3302.80	3450.88	1734168.92	14397771.85	39°38'43.2892"N	80°40'1.0141"W	4776.73	133.744	0.69	
12525.00	90.550	132.700	7500.60	4873.67	-3368.14	3522.58	1734240.59	14397706.55	39°38'42.6410"N	80°40'0.1006"W	4873.69	133.716	0.92	
12621.00	89.880	129.540	7500.24	4969.57	-3431.26	3594.89	1734312.87	14397643.45	39°38'42.0145"N	80°39'59.1792"W	4969.58	133.666	3.36	
12718.00	89.880	130.160	7500.44	5066.37	-3493.41	3669.36	1734387.31	14397581.32	39°38'41.3975"N	80°39'58.2302"W	5066.37	133.593	0.64	
12814.00	89.380	130.700	7501.06	5162.23	-3555.67	3742.43	1734460.35	14397519.09	39°38'40.7795"N	80°39'57.2990"W	5162.23	133.534	0.77	
12911.00	89.480	130.760	7502.03	5259.11	-3618.96	3815.93	1734533.82	14397455.82	39°38'40.1513"N	80°39'56.3624"W	5259.11	133.482	0.12	
13007.00	89.290	130.500	7503.06	5354.98	-3681.47	3888.79	1734606.65	14397393.34	39°38'39.5309"N	80°39'55.4341"W	5354.99	133.431	0.34	
13104.00	89.510	130.020	7504.08	5451.82	-3744.15	3962.80	1734680.64	14397330.68	39°38'38.9087"N	80°39'54.4909"W	5451.83	133.375	0.54	
13200.00	89.910	129.960	7504.56	5547.63	-3805.85	4036.35	1734754.16	14397269.01	39°38'38.2962"N	80°39'53.5536"W	5547.67	133.316	0.42	
13297.00	90.340	130.360	7504.35	5644.47	-3868.40	4110.49	1734828.26	14397206.48	39°38'37.6753"N	80°39'52.6089"W	5644.52	133.262	0.61	
13393.00	89.780	130.890	7504.25	5740.34	-3930.91	4183.35	1734901.10	14397143.99	39°38'37.0548"N	80°39'51.6805"W	5740.42	133.218	0.80	
13490.00	89.480	130.220	7504.88	5837.21	-3993.97	4257.04	1734974.76	14397080.95	39°38'36.4288"N	80°39'50.7414"W	5837.32	133.174	0.76	
13586.00	90.000	130.440	7505.31	5933.06	-4056.10	4330.23	1735047.92	14397018.85	39°38'35.8121"N	80°39'49.8089"W	5933.20	133.128	0.59	
13683.00	89.750	132.010	7505.52	6029.98	-4120.03	4403.18	1735120.84	14396954.95	39°38'35.1777"N	80°39'48.8794"W	6030.14	133.097	1.64	
13779.00	89.290	133.780	7506.33	6125.97	-4185.36	4473.51	1735191.14	14396889.64	39°38'34.5294"N	80°39'47.9835"W	6126.13	133.094	1.90	



**REFERENCE WELLPATH IDENTIFICATION**

Operator	<b>SWN PRODUCTION COMPANY, LLC</b>	Well	<b>Constance Taylor WTZ 10H</b>
Field	<b>Wetzel</b>	API	<b>47103036090000</b>
Facility	<b>Constance Taylor WTZ Pad</b>	Wellbore	<b>Constance Taylor WTZ 10H AWB</b>
Slot	<b>10H</b>		

**WELLPATH DATA (238 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]	Comments
13876.00	89.450	136.210	7507.39	6222.92	-4253.94	4542.09	1735259.70	14396821.09	39°38'33.8491"N	80°39'47.1101"W	6223.07	133.124	2.51	
13972.00	89.600	138.450	7508.19	6318.70	-4324.52	4607.15	1735324.73	14396750.54	39°38'33.1492"N	80°39'46.2818"W	6318.80	133.188	2.34	
14068.00	89.020	140.040	7509.35	6414.21	-4397.23	4669.82	1735387.37	14396677.86	39°38'32.4282"N	80°39'45.4842"W	6414.27	133.278	1.76	
14165.00	89.260	141.800	7510.80	6510.39	-4472.52	4730.96	1735448.49	14396602.60	39°38'31.6819"N	80°39'44.7063"W	6510.40	133.392	1.83	
14261.00	89.450	143.410	7511.88	6605.17	-4548.78	4789.25	1735506.76	14396526.37	39°38'30.9261"N	80°39'43.9647"W	6605.17	133.525	1.69	
14358.00	89.260	145.510	7512.98	6700.40	-4627.70	4845.63	1735563.12	14396447.48	39°38'30.1440"N	80°39'43.2479"W	6700.43	133.682	2.17	
14454.00	89.970	146.210	7513.62	6794.18	-4707.15	4899.50	1735616.97	14396368.06	39°38'29.3568"N	80°39'42.5630"W	6794.29	133.853	1.04	
14551.00	89.420	147.440	7514.14	6888.57	-4788.34	4952.58	1735670.02	14396286.90	39°38'28.5525"N	80°39'41.8885"W	6888.85	134.034	1.39	
14647.00	90.220	145.310	7514.44	6982.16	-4868.27	5005.74	1735723.16	14396207.00	39°38'27.7605"N	80°39'41.2128"W	6982.65	134.202	2.37	
14744.00	88.890	145.650	7515.19	7077.05	-4948.19	5060.70	1735778.11	14396127.12	39°38'26.9687"N	80°39'40.5140"W	7077.80	134.356	1.42	
14840.00	89.660	145.090	7516.41	7170.99	-5027.17	5115.25	1735832.63	14396048.16	39°38'26.1860"N	80°39'39.8206"W	7172.05	134.502	0.99	
14937.00	89.940	145.430	7516.74	7265.96	-5106.88	5170.53	1735887.89	14395968.49	39°38'25.3962"N	80°39'39.1178"W	7267.36	134.645	0.45	
15033.00	90.150	145.760	7516.67	7359.84	-5186.09	5224.77	1735942.11	14395889.31	39°38'24.6114"N	80°39'38.4283"W	7361.64	134.787	0.41	
15130.00	89.020	143.910	7517.37	7454.94	-5265.38	5280.63	1735997.95	14395810.05	39°38'23.8257"N	80°39'37.7181"W	7457.16	134.917	2.23	
15226.00	88.860	141.720	7519.15	7549.66	-5341.84	5338.64	1736055.93	14395733.62	39°38'23.0679"N	80°39'36.9803"W	7552.24	135.017	2.29	
15323.00	88.860	139.670	7521.08	7645.88	-5416.88	5400.07	1736117.34	14395658.61	39°38'22.3240"N	80°39'36.1987"W	7648.75	135.089	2.11	
15420.00	89.480	137.390	7522.48	7742.49	-5489.55	5464.29	1736181.54	14395585.97	39°38'21.6034"N	80°39'35.3812"W	7745.56	135.132	2.44	
15516.00	88.950	136.120	7523.80	7838.33	-5559.47	5530.06	1736247.28	14395516.07	39°38'20.9099"N	80°39'34.5440"W	7841.51	135.152	1.43	
15613.00	89.510	134.310	7525.10	7935.27	-5628.31	5598.38	1736315.57	14395447.26	39°38'20.2270"N	80°39'33.6740"W	7938.49	135.153	1.95	
15710.00	88.950	131.660	7526.41	8032.25	-5694.43	5669.32	1736386.49	14395381.17	39°38'19.5709"N	80°39'32.7704"W	8035.41	135.127	2.79	
15806.00	89.600	131.640	7527.62	8128.19	-5758.22	5741.05	1736458.19	14395317.40	39°38'18.9377"N	80°39'31.8566"W	8131.22	135.086	0.68	
15903.00	90.120	132.040	7527.86	8225.15	-5822.93	5813.32	1736530.42	14395252.72	39°38'18.2956"N	80°39'30.9360"W	8228.07	135.047	0.68	
15999.00	89.850	132.180	7527.88	8321.12	-5887.30	5884.54	1736601.61	14395188.37	39°38'17.6567"N	80°39'30.0288"W	8323.95	135.013	0.32	
16096.00	89.970	132.780	7528.04	8418.10	-5952.81	5956.07	1736673.13	14395122.89	39°38'17.0066"N	80°39'29.1176"W	8420.85	134.984	0.63	
16192.00	88.800	132.510	7529.07	8514.08	-6017.84	6026.68	1736743.71	14395057.88	39°38'16.3613"N	80°39'28.2182"W	8516.76	134.958	1.25	
16289.00	88.980	132.800	7530.95	8611.05	-6083.55	6098.01	1736815.00	14394992.20	39°38'15.7091"N	80°39'27.3097"W	8613.67	134.932	0.35	
16386.00	88.830	131.780	7532.80	8708.01	-6148.81	6169.75	1736886.72	14394926.97	39°38'15.0615"N	80°39'26.3959"W	8710.55	134.903	1.06	
16483.00	89.690	131.250	7534.05	8804.94	-6213.10	6242.37	1736959.31	14394862.70	39°38'14.4234"N	80°39'25.4707"W	8807.37	134.865	1.04	
16579.00	90.550	132.520	7533.85	8900.90	-6277.19	6313.84	1737030.75	14394798.64	39°38'13.7873"N	80°39'24.5603"W	8903.24	134.833	1.60	
16676.00	88.460	132.760	7534.69	8997.88	-6342.89	6385.19	1737102.07	14394732.96	39°38'13.1353"N	80°39'23.6515"W	9000.16	134.810	2.17	



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 10H
Field	Wetzel	API	47103036090000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 10H AWB
Slot	10H		

### WELLPATH DATA (238 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]	Comments
16772.00	88.580	131.380	7537.17	9093.82	-6407.19	6456.43	1737173.28	14394668.69	39°38'12.4972"N	80°39'22.7441"W	9096.02	134.781	1.44	
16869.00	91.350	129.940	7537.23	9190.68	-6470.38	6530.00	1737246.83	14394605.52	39°38'11.8698"N	80°39'21.8068"W	9192.76	134.737	3.22	
16966.00	89.630	129.320	7536.40	9287.45	-6532.25	6604.70	1737321.50	14394543.68	39°38'11.2556"N	80°39'20.8550"W	9289.37	134.684	1.88	
17062.00	89.110	130.060	7537.45	9383.23	-6593.55	6678.57	1737395.34	14394482.40	39°38'10.6470"N	80°39'19.9138"W	9385.00	134.633	0.94	
17159.00	87.380	129.100	7540.42	9479.95	-6655.32	6753.30	1737470.03	14394420.65	39°38'10.0336"N	80°39'18.9617"W	9481.58	134.581	2.04	
17256.00	88.920	129.190	7543.56	9576.62	-6716.52	6828.48	1737545.19	14394359.47	39°38'9.4259"N	80°39'18.0037"W	9578.09	134.526	1.59	
17352.00	89.480	129.430	7544.90	9672.35	-6777.34	6902.75	1737619.43	14394298.69	39°38'8.8221"N	80°39'17.0574"W	9673.69	134.475	0.63	
17448.00	89.510	129.540	7545.74	9768.10	-6838.38	6976.84	1737693.49	14394237.67	39°38'8.2161"N	80°39'16.1134"W	9769.33	134.426	0.12	
17545.00	88.740	128.950	7547.22	9864.82	-6899.73	7051.95	1737768.57	14394176.33	39°38'7.6068"N	80°39'15.1563"W	9865.92	134.375	1.00	
17641.00	89.420	128.970	7548.76	9960.51	-6960.09	7126.59	1737843.18	14394116.00	39°38'7.0075"N	80°39'14.2053"W	9961.48	134.323	0.71	
17738.00	89.660	129.250	7549.54	10057.22	-7021.28	7201.85	1737918.42	14394054.84	39°38'6.3999"N	80°39'13.2463"W	10058.08	134.273	0.38	
17834.00	89.380	129.480	7550.35	10152.96	-7082.16	7276.07	1737992.60	14393993.98	39°38'5.7954"N	80°39'12.3007"W	10153.73	134.226	0.38	
17931.00	89.880	129.370	7550.97	10249.71	-7143.76	7351.00	1738067.50	14393932.40	39°38'5.1837"N	80°39'11.3460"W	10250.39	134.181	0.53	
18027.00	89.850	129.860	7551.20	10345.49	-7204.97	7424.95	1738141.43	14393871.21	39°38'4.5759"N	80°39'10.4038"W	10346.09	134.139	0.51	
18124.00	89.660	129.580	7551.61	10442.27	-7266.96	7499.56	1738216.01	14393809.25	39°38'3.9605"N	80°39'9.4533"W	10442.80	134.098	0.35	
18220.00	89.420	130.020	7552.39	10538.07	-7328.41	7573.31	1738289.73	14393747.83	39°38'3.3504"N	80°39'8.5136"W	10538.53	134.058	0.52	
18317.00	89.420	129.230	7553.37	10634.84	-7390.27	7648.02	1738364.41	14393685.99	39°38'2.7362"N	80°39'7.5618"W	10635.24	134.018	0.81	
18413.00	89.850	129.010	7553.98	10730.55	-7450.84	7722.50	1738438.86	14393625.45	39°38'2.1347"N	80°39'6.6128"W	10730.89	133.974	0.50	
18509.00	89.750	129.330	7554.31	10826.27	-7511.47	7796.92	1738513.25	14393564.84	39°38'1.5326"N	80°39'5.6646"W	10826.55	133.932	0.35	
18605.00	89.940	129.430	7554.57	10922.02	-7572.38	7871.13	1738587.43	14393503.95	39°38'0.9278"N	80°39'4.7192"W	10922.25	133.892	0.22	
18798.00	90.950	130.100	7553.08	11114.60	-7695.83	8019.47	1738735.72	14393380.56	39°37'59.7022"N	80°39'2.8292"W	11114.75	133.820	0.63	
18894.00	89.510	129.710	7552.69	11210.40	-7757.41	8093.11	1738809.33	14393319.00	39°37'59.0907"N	80°39'1.8911"W	11210.53	133.787	1.55	
18990.00	89.880	129.730	7553.20	11306.19	-7818.75	8166.95	1738883.14	14393257.68	39°37'58.4816"N	80°39'0.9503"W	11306.28	133.752	0.39	
19087.00	90.280	129.610	7553.07	11402.97	-7880.68	8241.62	1738957.77	14393195.78	39°37'57.8668"N	80°38'59.9991"W	11403.04	133.717	0.43	
19184.00	91.850	129.940	7551.26	11499.75	-7942.72	8316.15	1739032.28	14393133.76	39°37'57.2507"N	80°38'59.0495"W	11499.79	133.684	1.65	
19280.00	88.800	129.220	7550.72	11595.51	-8003.88	8390.13	1739106.23	14393072.62	39°37'56.6434"N	80°38'58.1070"W	11595.54	133.650	3.26	
19377.00	89.380	128.750	7552.26	11692.19	-8064.90	8465.52	1739181.59	14393011.63	39°37'56.0375"N	80°38'57.1465"W	11692.20	133.612	0.77	
19473.00	89.970	132.390	7552.80	11788.04	-8127.32	8538.43	1739254.47	14392949.23	39°37'55.4178"N	80°38'56.2178"W	11788.05	133.587	3.84	
19569.00	90.060	134.450	7552.78	11884.04	-8193.30	8608.16	1739324.17	14392883.28	39°37'54.7630"N	80°38'55.3299"W	11884.05	133.586	2.15	
19666.00	90.250	136.100	7552.52	11980.99	-8262.22	8676.41	1739392.40	14392814.39	39°37'54.0793"N	80°38'54.4610"W	11981.00	133.599	1.71	



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 10H
Field	Wetzel	API	47103036090000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 10H AWB
Slot	10H		

WELLPATH DATA (238 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]	Comments
19762.00	90.030	137.820	7552.28	12076.81	-8332.38	8741.93	1739457.89	14392744.25	39°37'53.3833"N	80°38'53.6271"W	12076.83	133.626	1.81	
19859.00	90.370	138.130	7551.94	12173.52	-8404.43	8806.87	1739522.80	14392672.23	39°37'52.6687"N	80°38'52.8007"W	12173.55	133.661	0.47	
19955.00	90.770	138.400	7550.99	12269.18	-8476.07	8870.77	1739586.68	14392600.62	39°37'51.9583"N	80°38'51.9876"W	12269.24	133.697	0.50	
20052.00	90.400	138.540	7550.00	12365.82	-8548.68	8935.08	1739650.96	14392528.04	39°37'51.2382"N	80°38'51.1693"W	12365.90	133.734	0.41	
20148.00	89.850	138.220	7549.79	12461.47	-8620.45	8998.84	1739714.70	14392456.30	39°37'50.5265"N	80°38'50.3580"W	12461.59	133.770	0.66	
20245.00	89.720	137.350	7550.15	12558.20	-8692.29	9064.02	1739779.85	14392384.49	39°37'49.8139"N	80°38'49.5286"W	12558.35	133.801	0.91	
20341.00	91.080	138.100	7549.48	12653.94	-8763.31	9128.59	1739844.40	14392313.49	39°37'49.1095"N	80°38'48.7068"W	12654.12	133.830	1.62	
20438.00	89.630	138.040	7548.88	12750.63	-8835.47	9193.40	1739909.18	14392241.35	39°37'48.3938"N	80°38'47.8821"W	12750.86	133.863	1.50	
20534.00	90.000	137.960	7549.19	12846.33	-8906.82	9257.64	1739973.40	14392170.04	39°37'47.6862"N	80°38'47.0647"W	12846.61	133.894	0.39	
20631.00	89.480	138.060	7549.63	12943.03	-8978.91	9322.53	1740038.26	14392097.97	39°37'46.9712"N	80°38'46.2389"W	12943.36	133.924	0.55	
20727.00	89.540	138.090	7550.45	13038.73	-9050.34	9386.67	1740102.38	14392026.58	39°37'46.2628"N	80°38'45.4227"W	13039.10	133.955	0.07	
20824.00	89.380	138.520	7551.37	13135.38	-9122.76	9451.19	1740166.87	14391954.18	39°37'45.5446"N	80°38'44.6018"W	13135.82	133.987	0.47	
20920.00	90.060	137.800	7551.83	13231.07	-9194.28	9515.23	1740230.88	14391882.69	39°37'44.8352"N	80°38'43.7870"W	13231.57	134.017	1.03	
21017.00	90.150	137.920	7551.66	13327.79	-9266.21	9580.31	1740295.94	14391810.79	39°37'44.1219"N	80°38'42.9588"W	13328.35	134.045	0.15	
21114.00	89.780	138.460	7551.72	13424.47	-9338.51	9644.97	1740360.58	14391738.52	39°37'43.4048"N	80°38'42.1360"W	13425.10	134.075	0.67	
21210.00	89.480	138.320	7552.34	13520.12	-9410.28	9708.72	1740424.30	14391666.77	39°37'42.6930"N	80°38'41.3249"W	13520.82	134.106	0.34	
21307.00	89.600	137.670	7553.12	13616.82	-9482.36	9773.63	1740489.18	14391594.72	39°37'41.9781"N	80°38'40.4990"W	13617.60	134.133	0.68	
21403.00	89.600	138.290	7553.79	13712.53	-9553.68	9837.89	1740553.42	14391523.44	39°37'41.2708"N	80°38'39.6813"W	13713.38	134.160	0.65	
21500.00	89.050	138.640	7554.93	13809.16	-9626.28	9902.21	1740617.71	14391450.86	39°37'40.5507"N	80°38'38.8630"W	13810.10	134.191	0.67	
21597.00	89.450	137.970	7556.20	13905.81	-9698.70	9966.72	1740682.20	14391378.47	39°37'39.8325"N	80°38'38.0422"W	13906.85	134.219	0.80	
21693.00	89.380	138.300	7557.18	14001.49	-9770.19	10030.79	1740746.24	14391307.00	39°37'39.1234"N	80°38'37.2270"W	14002.62	134.246	0.35	
21790.00	89.600	138.500	7558.04	14098.14	-9842.73	10095.18	1740810.61	14391234.50	39°37'38.4041"N	80°38'36.4077"W	14099.36	134.275	0.31	
21887.00	90.770	138.880	7557.73	14194.74	-9915.59	10159.21	1740874.62	14391161.67	39°37'37.6815"N	80°38'35.5930"W	14196.07	134.305	1.27	
21983.00	89.260	137.730	7557.70	14290.40	-9987.26	10223.07	1740938.44	14391090.02	39°37'36.9706"N	80°38'34.7806"W	14291.84	134.332	1.98	
22079.00	89.570	138.750	7558.68	14386.07	-10058.87	10287.00	1741002.35	14391018.44	39°37'36.2604"N	80°38'33.9672"W	14387.61	134.358	1.11	
22176.00	90.090	139.360	7558.97	14482.62	-10132.14	10350.57	1741065.89	14390945.20	39°37'35.5338"N	80°38'33.1585"W	14484.28	134.389	0.83	
22272.00	89.970	139.990	7558.92	14578.06	-10205.33	10412.69	1741127.99	14390872.04	39°37'34.8081"N	80°38'32.3683"W	14579.88	134.424	0.67	
22316.00‡	89.970	139.990	7558.94	14621.78	-10239.03	10440.98	1741156.27	14390838.35	39°37'34.4739"N	80°38'32.0085"W	14623.67	134.440	0.00	



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 10H
Field	Wetzel	API	47103036090000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 10H AWB
Slot	10H		

HOLE & CASING SECTIONS - Ref Wellbore: Constance Taylor WTZ 10H AWB      Ref Wellpath: Constance Taylor WTZ 10H awp Proj: 22316'									
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]
13.375in Casing	26.00	392.00	366.00	26.00	392.00	0.00	0.00	0.24	1.52
9.625in Casing	26.00	2851.00	2825.00	26.00	2839.41	0.00	0.00	-48.77	-49.58
5.5in Casing	26.00	22316.00	22290.00	26.00	7558.94	0.00	0.00	-10239.03	10440.98

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Constance Taylor WTZ 10H LP rev6	7454.00	-340.78	57.96	1730777.33	14400732.71	39°39'12.6846"N	80°40'44.2526"W	point
Constance Taylor WTZ 10H wp1	7472.00	-1500.05	1411.20	1732130.04	14399573.90	39°39'1.1796"N	80°40'27.0050"W	point
Constance Taylor WTZ 10H wp2	7491.00	-2760.33	2828.01	1733546.29	14398314.11	39°38'48.6732"N	80°40'8.9511"W	point
Constance Taylor WTZ 10H wp3	7499.00	-3423.69	3578.57	1734296.55	14397651.01	39°38'42.0898"N	80°39'59.3875"W	point
Constance Taylor WTZ 10H wp4	7505.10	-4203.01	4487.21	1735204.84	14396872.00	39°38'34.3545"N	80°39'47.8092"W	point
Constance Taylor WTZ 10H wp5	7507.10	-4755.79	4879.43	1735596.91	14396319.44	39°38'28.8769"N	80°39'42.8219"W	point
Constance Taylor WTZ 10H wp6 rev3	7509.10	-5710.49	5670.94	1736388.10	14395365.11	39°38'19.4121"N	80°39'32.7505"W	point
Constance Taylor WTZ 10H wp7	7519.00	-8092.47	8492.51	1739208.56	14392984.07	39°37'55.7640"N	80°38'56.8030"W	point



**TARGETS**

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Constance Taylor WTZ 10H wp8	7532.10	-9334.30	9785.82	1740501.37	14391742.73	39°37'43.4409"N	80°38'40.3357"W	point
Constance Taylor WTZ 10H wp9	7534.10	-9596.50	9982.15	1740697.62	14391480.63	39°37'40.8419"N	80°38'37.8398"W	point
Constance Taylor WTZ 10H wp10	7535.10	-9779.99	10105.70	1740821.12	14391297.21	39°37'39.0237"N	80°38'36.2701"W	point
Constance Taylor WTZ 10H BHL rev 5	7540.00	-10220.08	10461.47	1741176.75	14390857.29	39°37'34.6603"N	80°38'31.7456"W	point

RECEIVED  
Office Of Oil And Gas  
JUN 03 2014  
WV Department of  
Environmental Protection



REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Constance Taylor WTZ 10H
Field	Wetzel	API	47103036090000
Facility	Constance Taylor WTZ Pad	Wellbore	Constance Taylor WTZ 10H AWB
Slot	10H		

WELLPATH COMPOSITION - Ref Wellbore: Constance Taylor WTZ 10H AWB Ref Wellpath: Constance Taylor WTZ 10H awp Proj: 22316'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
26.00	392.00	OWSG MWD rev2 + IFR1	1 Total MWD 17.5" IFR-MSA 175' - 392'	Constance Taylor WTZ 10H AWB	2/9/2024
392.00	2851.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	2 Total MWD 12.25" IFR-MSA 451' - 2851'	Constance Taylor WTZ 10H AWB	2/9/2024
2851.00	6555.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	3 Total MWD 8.75" IFR-MSA 2972' - 6555'	Constance Taylor WTZ 10H AWB	2/11/2024
6555.00	22316.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	4 BH MWD 8.5" IFR-MSA 6638' - 22272'	Constance Taylor WTZ 10H AWB	2/11/2024

RECEIVED  
 Office of Oil and Gas  
 JUN 05 2024  
 Environmental Protection Department