

REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	OCC A OHI 601H
Field	Ohio	API	47069003430000
Facility	OCC A OHI Pad	Wellbore	OCC A OHI 601H AWB
Slot	Slot 601H		

REPORT SETUP INFORMATION			
Projection System	NAD83 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Tranlam
Scale	0.999614	Report Generated	9/27/2022 at 9:18:50 AM
Convergence at slot	0.26° 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	-55.91	2.13	1752839.03	14555866.87	40°04'45.5096"N	80°35'53.1594"W
Facility Reference Pt			1752836.90	14555922.76	40°04'46.0622"N	80°35'53.1835"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	1121.30ft
Horizontal Reference Pt	Slot	SDC 40 (KB) to Mean Sea Level	1121.30ft
Vertical Reference Pt	SDC 40 (KB)	SDC 40 (KB) to Ground Level at Slot (Slot 601H)	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	336.11°

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WELLPATH DATA (243 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	DLS [°/100ft]	Comments
0.00†	0.000	205.900	0.00	0.00	0.00	0.00	1752839.02	14555866.87	40°04'45.5096"N	80°35'53.1594"W	0.00	
26.00	0.000	205.900	26.00	0.00	0.00	0.00	1752839.02	14555866.87	40°04'45.5096"N	80°35'53.1594"W	0.00	
100.00	0.220	205.900	100.00	-0.09	-0.13	-0.06	1752838.96	14555866.74	40°04'45.5083"N	80°35'53.1603"W	0.30	1 Imported Gyro 100' - 755'
200.00	0.290	226.260	200.00	-0.30	-0.48	-0.33	1752838.70	14555866.39	40°04'45.5049"N	80°35'53.1637"W	0.11	
300.00	0.410	215.890	300.00	-0.57	-0.94	-0.72	1752838.30	14555865.93	40°04'45.5003"N	80°35'53.1688"W	0.14	
400.00	0.460	221.140	399.99	-0.92	-1.53	-1.20	1752837.83	14555865.34	40°04'45.4945"N	80°35'53.1749"W	0.06	
500.00	0.230	229.340	499.99	-1.14	-1.97	-1.61	1752837.41	14555864.90	40°04'45.4902"N	80°35'53.1803"W	0.23	
600.00	1.050	260.800	599.99	-0.97	-2.24	-2.67	1752836.36	14555864.63	40°04'45.4875"N	80°35'53.1939"W	0.86	
700.00	2.490	259.180	699.93	-0.25	-2.80	-5.71	1752833.32	14555864.07	40°04'45.4822"N	80°35'53.2330"W	1.44	
755.00	3.480	259.160	754.86	0.40	-3.34	-8.52	1752830.51	14555863.53	40°04'45.4770"N	80°35'53.2692"W	1.80	
862.00	4.620	256.790	861.59	1.93	-4.93	-15.90	1752823.13	14555861.94	40°04'45.4616"N	80°35'53.3643"W	1.08	2 Tally MWD 862' - 1769'
953.00	6.160	258.070	952.19	3.62	-6.78	-24.25	1752814.78	14555860.09	40°04'45.4437"N	80°35'53.4718"W	1.70	
1043.00	7.550	256.310	1041.54	5.67	-9.18	-34.72	1752804.32	14555857.70	40°04'45.4205"N	80°35'53.6066"W	1.56	
1134.00	8.940	256.780	1131.60	8.04	-12.21	-47.41	1752791.63	14555854.66	40°04'45.3911"N	80°35'53.7701"W	1.53	
1225.00	10.230	252.170	1221.33	10.20	-16.30	-61.99	1752777.06	14555850.57	40°04'45.3513"N	80°35'53.9578"W	1.65	
1316.00	12.090	251.890	1310.60	12.01	-21.74	-78.74	1752760.31	14555845.14	40°04'45.2983"N	80°35'54.1737"W	2.04	
1407.00	13.510	252.120	1399.34	14.09	-27.96	-97.92	1752741.15	14555838.92	40°04'45.2376"N	80°35'54.4207"W	1.56	
1497.00	15.060	252.000	1486.55	16.39	-34.80	-119.04	1752720.03	14555832.08	40°04'45.1710"N	80°35'54.6929"W	1.72	
1588.00	17.030	253.130	1574.00	19.23	-42.32	-143.04	1752696.04	14555824.56	40°04'45.0977"N	80°35'55.0020"W	2.19	
1678.00	19.060	254.060	1659.57	22.87	-50.19	-169.79	1752669.31	14555816.70	40°04'45.0212"N	80°35'55.3465"W	2.28	
1769.00	21.050	254.020	1745.05	27.18	-58.77	-199.79	1752639.32	14555808.12	40°04'44.9378"N	80°35'55.7330"W	2.19	
1922.00	23.100	251.500	1886.83	33.78	-75.86	-254.67	1752584.45	14555791.04	40°04'44.7713"N	80°35'56.4401"W	1.48	3 Tally MWD 1922' - 5632'
1984.00	23.120	248.540	1943.86	35.44	-84.17	-277.54	1752561.60	14555782.73	40°04'44.6902"N	80°35'56.7347"W	1.87	
2075.00	23.610	250.360	2027.40	37.55	-96.83	-311.33	1752527.82	14555770.07	40°04'44.5666"N	80°35'57.1701"W	0.96	
2165.00	25.400	254.770	2109.29	41.79	-107.96	-346.93	1752492.23	14555758.95	40°04'44.4582"N	80°35'57.6288"W	2.84	
2256.00	28.750	257.620	2190.31	49.10	-117.78	-387.15	1752452.02	14555749.13	40°04'44.3629"N	80°35'58.1467"W	3.95	
2349.00	31.420	257.890	2270.78	58.51	-127.67	-432.71	1752406.49	14555739.25	40°04'44.2673"N	80°35'58.7334"W	2.87	
2440.00	32.500	256.290	2347.98	67.67	-138.44	-479.65	1752359.56	14555728.48	40°04'44.1629"N	80°35'59.3379"W	1.51	
2531.00	33.210	256.170	2424.43	76.35	-150.19	-527.60	1752311.63	14555716.74	40°04'44.0489"N	80°35'59.9554"W	0.78	
2621.00	33.900	254.290	2499.43	84.23	-162.88	-575.70	1752263.55	14555704.05	40°04'43.9257"N	80°36'0.5748"W	1.39	

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WELLPATH DATA (243 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]	Comments
2713.00	33.950	256.000	2575.77	92.29	-176.04	-625.32	1752213.95	14555690.90	40°04'43.7978"N	80°36'1.2140"W	1.04	
2804.00	34.490	254.890	2651.02	100.59	-188.90	-674.85	1752164.43	14555678.04	40°04'43.6729"N	80°36'1.8519"W	0.91	
2895.00	32.750	250.300	2726.80	106.32	-203.92	-722.91	1752116.39	14555663.03	40°04'43.5266"N	80°36'2.4710"W	3.38	
2988.00	32.440	246.040	2805.17	108.13	-222.53	-769.39	1752069.93	14555644.42	40°04'43.3447"N	80°36'3.0701"W	2.49	
3081.00	33.650	245.740	2883.12	107.93	-243.25	-815.68	1752023.66	14555623.71	40°04'43.1421"N	80°36'3.6667"W	1.31	
3172.00	35.070	247.680	2958.24	108.48	-263.54	-862.86	1751976.50	14555603.43	40°04'42.9437"N	80°36'4.2748"W	1.97	
3263.00	35.540	251.180	3032.52	111.54	-282.00	-912.08	1751927.30	14555584.98	40°04'42.7634"N	80°36'4.9091"W	2.28	
3354.00	35.160	250.940	3106.74	116.08	-299.09	-961.88	1751877.52	14555567.89	40°04'42.5967"N	80°36'5.5507"W	0.44	
3446.00	34.810	250.750	3182.11	120.43	-316.40	-1011.71	1751827.71	14555550.59	40°04'42.4279"N	80°36'6.1927"W	0.40	
3536.00	34.710	253.080	3256.06	125.62	-332.32	-1060.48	1751778.96	14555534.67	40°04'42.2726"N	80°36'6.8210"W	1.48	
3627.00	34.480	254.480	3330.97	132.52	-346.76	-1110.08	1751729.37	14555520.24	40°04'42.1322"N	80°36'7.4600"W	0.91	
3717.00	34.750	255.900	3405.04	140.59	-359.82	-1159.51	1751679.97	14555507.18	40°04'42.0053"N	80°36'8.0965"W	0.95	
3809.00	34.820	252.270	3480.60	147.86	-374.21	-1209.96	1751629.53	14555492.80	40°04'41.8653"N	80°36'8.7464"W	2.25	
3900.00	34.400	250.870	3555.50	152.78	-390.55	-1259.00	1751580.52	14555476.47	40°04'41.7061"N	80°36'9.3781"W	0.99	
3994.00	33.580	254.990	3633.45	159.00	-405.98	-1309.20	1751530.33	14555461.04	40°04'41.5557"N	80°36'10.0248"W	2.60	
4084.00	34.480	252.340	3708.04	165.61	-420.16	-1357.52	1751482.03	14555446.87	40°04'41.4178"N	80°36'10.6472"W	1.93	
4174.00	35.800	249.640	3781.64	169.99	-437.05	-1406.48	1751433.09	14555429.99	40°04'41.2530"N	80°36'11.2780"W	2.27	
4265.00	36.310	249.770	3855.21	173.35	-455.62	-1456.71	1751382.88	14555411.42	40°04'41.0717"N	80°36'11.9253"W	0.57	
4355.00	33.350	250.990	3929.08	177.16	-472.90	-1505.12	1751334.49	14555394.15	40°04'40.9031"N	80°36'12.5490"W	3.38	
4448.00	29.540	253.960	4008.41	182.47	-487.57	-1551.34	1751288.29	14555379.49	40°04'40.7602"N	80°36'13.1444"W	4.42	
4538.00	28.880	253.570	4086.97	188.32	-499.85	-1593.51	1751246.13	14555367.21	40°04'40.6407"N	80°36'13.6876"W	0.76	
4629.00	28.280	250.310	4166.88	192.75	-513.33	-1634.89	1751204.77	14555353.74	40°04'40.5093"N	80°36'14.2207"W	1.84	
4719.00	27.670	250.880	4246.37	196.05	-527.35	-1674.70	1751164.97	14555339.72	40°04'40.3724"N	80°36'14.7337"W	0.74	
4810.00	28.740	251.090	4326.56	199.71	-541.37	-1715.37	1751124.32	14555325.71	40°04'40.2357"N	80°36'15.2576"W	1.18	
4901.00	29.310	250.630	4406.13	203.36	-555.84	-1757.08	1751082.63	14555311.24	40°04'40.0945"N	80°36'15.7950"W	0.67	
4992.00	29.870	253.460	4485.27	208.02	-569.68	-1799.81	1751039.91	14555297.40	40°04'39.9596"N	80°36'16.3456"W	1.65	
5086.00	29.960	257.710	4566.75	215.73	-581.34	-1845.19	1750994.55	14555285.75	40°04'39.8464"N	80°36'16.9300"W	2.26	
5177.00	30.490	256.900	4645.38	224.62	-591.41	-1889.88	1750949.88	14555275.68	40°04'39.7488"N	80°36'17.5054"W	0.73	
5268.00	31.720	255.250	4723.30	232.75	-602.74	-1935.50	1750904.27	14555264.36	40°04'39.6389"N	80°36'18.0930"W	1.64	
5359.00	33.070	254.060	4800.13	239.98	-615.65	-1982.51	1750857.28	14555251.46	40°04'39.5134"N	80°36'18.6984"W	1.64	

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Slot	Slot 601H		

WELLPATH DATA (243 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]	Comments
5450.00	32.130	252.000	4876.80	245.90	-629.94	-2029.40	1750810.41	14555237.17	40°04'39.3742"N	80°36'19.3024"W	1.60	
5540.00	30.500	248.600	4953.69	249.35	-645.68	-2073.43	1750766.39	14555221.44	40°04'39.2206"N	80°36'19.8698"W	2.67	
5632.00	28.860	245.070	5033.63	249.96	-663.56	-2115.31	1750724.53	14555203.57	40°04'39.0458"N	80°36'20.4095"W	2.60	
5727.00	27.800	244.150	5117.25	248.78	-682.88	-2156.04	1750683.82	14555184.25	40°04'38.8566"N	80°36'20.9345"W	1.21	4 BH MWD 5727' - 22780'
5819.00	30.260	248.240	5197.69	248.91	-700.83	-2196.89	1750642.99	14555166.31	40°04'38.6810"N	80°36'21.4610"W	3.43	
5909.00	33.290	253.790	5274.21	253.06	-716.14	-2241.69	1750598.21	14555151.00	40°04'38.5317"N	80°36'22.0382"W	4.67	
6001.00	33.380	253.760	5351.07	259.80	-730.27	-2290.23	1750549.68	14555136.88	40°04'38.3942"N	80°36'22.6634"W	0.10	
6092.00	33.510	253.670	5427.00	266.44	-744.33	-2338.37	1750501.56	14555122.82	40°04'38.2573"N	80°36'23.2835"W	0.15	
6183.00	33.380	254.230	5502.94	273.28	-758.20	-2386.57	1750453.38	14555108.96	40°04'38.1224"N	80°36'23.9043"W	0.37	
6273.00	33.340	253.950	5578.11	280.15	-771.76	-2434.16	1750405.81	14555095.40	40°04'37.9904"N	80°36'24.5174"W	0.18	
6363.00	33.510	254.160	5653.22	287.00	-785.38	-2481.83	1750358.16	14555081.79	40°04'37.8579"N	80°36'25.1314"W	0.23	
6454.00	35.960	257.970	5728.01	296.01	-797.81	-2532.14	1750307.86	14555069.36	40°04'37.7373"N	80°36'25.7793"W	3.60	
6544.00	40.390	265.860	5798.78	311.31	-805.43	-2587.13	1750252.90	14555061.75	40°04'37.6644"N	80°36'26.4871"W	7.31	
6635.00	45.540	273.850	5865.40	336.43	-805.38	-2649.03	1750191.02	14555061.80	40°04'37.6676"N	80°36'27.2833"W	8.23	
6727.00	50.560	276.830	5926.89	369.88	-798.95	-2717.11	1750122.97	14555068.23	40°04'37.7341"N	80°36'28.1588"W	5.96	
6818.00	55.560	283.670	5981.60	410.77	-785.88	-2788.56	1750051.54	14555081.29	40°04'37.8663"N	80°36'29.0772"W	8.14	
6909.00	59.270	291.860	6030.66	461.74	-762.41	-2861.44	1749978.70	14555104.75	40°04'38.1014"N	80°36'30.0133"W	8.61	
6999.00	63.770	299.270	6073.61	521.84	-728.22	-2932.66	1749907.50	14555138.93	40°04'38.4424"N	80°36'30.9276"W	8.79	
7089.00	68.280	305.950	6110.21	590.40	-683.88	-3001.82	1749838.37	14555183.26	40°04'38.8836"N	80°36'31.8147"W	8.43	
7180.00	72.980	314.240	6140.43	667.48	-628.59	-3067.34	1749772.87	14555238.52	40°04'39.4328"N	80°36'32.6546"W	10.02	
7271.00	77.210	321.010	6163.86	750.83	-563.65	-3126.52	1749713.71	14555303.44	40°04'40.0771"N	80°36'33.4122"W	8.56	
7362.00	80.970	324.630	6181.08	837.76	-492.47	-3180.49	1749659.77	14555374.59	40°04'40.7829"N	80°36'34.1024"W	5.69	
7453.00	85.930	331.240	6191.47	927.17	-415.91	-3228.42	1749611.86	14555451.12	40°04'41.5415"N	80°36'34.7146"W	9.04	
7545.00	91.080	338.170	6193.87	1019.03	-332.84	-3267.67	1749572.62	14555534.16	40°04'42.3642"N	80°36'35.2149"W	9.38	
7643.00	90.030	336.060	6192.92	1117.00	-242.56	-3305.78	1749534.53	14555624.40	40°04'43.2580"N	80°36'35.7000"W	2.40	
7740.00	90.400	335.530	6192.56	1214.00	-154.09	-3345.55	1749494.77	14555712.84	40°04'44.1340"N	80°36'36.2066"W	0.67	
7836.00	90.650	336.210	6191.68	1309.99	-66.48	-3384.79	1749455.55	14555800.41	40°04'45.0014"N	80°36'36.7066"W	0.75	
7933.00	90.000	336.430	6191.13	1406.99	22.35	-3423.75	1749416.60	14555889.21	40°04'45.8809"N	80°36'37.2027"W	0.71	
8029.00	90.310	335.930	6190.87	1502.99	110.17	-3462.52	1749377.85	14555976.99	40°04'46.7505"N	80°36'37.6965"W	0.61	
8125.00	90.370	337.070	6190.30	1598.98	198.21	-3500.80	1749339.58	14556065.00	40°04'47.6221"N	80°36'38.1840"W	1.19	

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Field	Ohio	API	47069003430000
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Slot	Slot 601H		

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8222.00	90.280	336.900	6189.75	1695.97	287.48	-3538.72	1749301.67	14556154.24	40°04'48.5060"N	80°36'38.6669"W	0.20	
8318.00	90.220	335.220	6189.33	1791.97	375.22	-3577.67	1749262.74	14556241.94	40°04'49.3747"N	80°36'39.1630"W	1.75	
8415.00	91.690	338.340	6187.72	1888.93	464.34	-3615.91	1749224.52	14556331.02	40°04'50.2570"N	80°36'39.6499"W	3.56	
8511.00	89.850	333.840	6186.42	1984.89	552.06	-3654.80	1749185.64	14556418.72	40°04'51.1256"N	80°36'40.1453"W	5.06	
8608.00	91.320	336.260	6185.43	2081.86	640.00	-3695.71	1749144.74	14556506.62	40°04'51.9963"N	80°36'40.6667"W	2.92	
8706.00	90.830	336.690	6183.60	2179.84	729.84	-3734.82	1749105.65	14556596.42	40°04'52.8858"N	80°36'41.1648"W	0.67	
8803.00	90.620	336.580	6182.37	2276.83	818.87	-3773.29	1749067.20	14556685.42	40°04'53.7674"N	80°36'41.6546"W	0.24	
8899.00	90.800	336.740	6181.18	2372.82	907.01	-3811.32	1749029.18	14556773.53	40°04'54.6400"N	80°36'42.1389"W	0.25	
8996.00	90.830	336.580	6179.80	2469.81	996.07	-3849.75	1748990.77	14556862.55	40°04'55.5217"N	80°36'42.6283"W	0.17	
9092.00	90.650	336.200	6178.56	2565.80	1084.02	-3888.19	1748952.34	14556950.47	40°04'56.3925"N	80°36'43.1179"W	0.44	
9189.00	91.140	335.510	6177.04	2662.78	1172.52	-3927.86	1748912.68	14557038.94	40°04'57.2688"N	80°36'43.6234"W	0.87	
9285.00	91.140	337.020	6175.13	2758.76	1260.38	-3966.50	1748874.07	14557126.76	40°04'58.1387"N	80°36'44.1154"W	1.57	
9382.00	90.340	336.750	6173.88	2855.74	1349.59	-4004.57	1748836.00	14557215.93	40°04'59.0219"N	80°36'44.6003"W	0.87	
9479.00	90.830	336.870	6172.89	2952.73	1438.75	-4042.77	1748797.82	14557305.06	40°04'59.9046"N	80°36'45.0867"W	0.52	
9574.00	90.620	337.340	6171.69	3047.71	1526.26	-4079.72	1748760.88	14557392.53	40°05'0.7710"N	80°36'45.5572"W	0.54	
9671.00	90.250	337.630	6170.95	3144.68	1615.86	-4116.87	1748723.76	14557482.10	40°05'1.6580"N	80°36'46.0301"W	0.48	
9767.00	90.770	335.630	6170.10	3240.66	1703.98	-4154.94	1748685.69	14557570.18	40°05'2.5305"N	80°36'46.5150"W	2.15	
9864.00	91.570	335.600	6168.12	3337.64	1792.30	-4194.98	1748645.67	14557658.48	40°05'3.4050"N	80°36'47.0252"W	0.83	
9960.00	90.710	335.980	6166.21	3433.62	1879.84	-4234.34	1748606.33	14557745.98	40°05'4.2718"N	80°36'47.5267"W	0.98	
10057.00	90.280	334.480	6165.37	3530.60	1967.91	-4274.98	1748565.70	14557834.02	40°05'5.1439"N	80°36'48.0446"W	1.61	
10153.00	90.520	334.140	6164.70	3626.55	2054.42	-4316.59	1748524.10	14557920.49	40°05'6.0005"N	80°36'48.5751"W	0.43	
10250.00	91.320	336.420	6163.14	3723.52	2142.51	-4357.15	1748483.56	14558008.55	40°05'6.8728"N	80°36'49.0920"W	2.49	
10347.00	90.740	336.670	6161.40	3820.50	2231.48	-4395.75	1748444.98	14558097.49	40°05'7.7537"N	80°36'49.5836"W	0.65	
10443.00	90.680	336.410	6160.21	3916.49	2319.54	-4433.97	1748406.78	14558185.51	40°05'8.6255"N	80°36'50.0704"W	0.28	
10540.00	90.890	336.290	6158.88	4013.48	2408.39	-4472.88	1748367.88	14558274.32	40°05'9.5052"N	80°36'50.5660"W	0.25	
10636.00	90.520	336.140	6157.70	4109.47	2496.22	-4511.59	1748329.18	14558362.12	40°05'10.3749"N	80°36'51.0592"W	0.42	
10733.00	90.430	335.240	6156.89	4206.47	2584.62	-4551.52	1748289.27	14558450.49	40°05'11.2501"N	80°36'51.5680"W	0.93	
10830.00	90.550	334.870	6156.06	4303.45	2672.57	-4592.43	1748248.38	14558538.40	40°05'12.1210"N	80°36'52.0894"W	0.40	
10927.00	90.430	336.100	6155.23	4400.43	2760.82	-4632.67	1748208.15	14558626.62	40°05'12.9948"N	80°36'52.6023"W	1.27	
11024.00	90.520	330.750	6154.43	4497.29	2847.54	-4676.05	1748164.79	14558713.30	40°05'13.8536"N	80°36'53.1555"W	5.52	

REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	OCC A OHI 601H
Field	Ohio	API	47069003430000
Facility	OCC A OHI Pad	Wellbore	OCC A OHI 601H AWB
Slot	Slot 601H		

WELLPATH DATA (243 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]	Comments
11120.00	90.550	332.960	6153.53	4593.01	2932.18	-4721.33	1748119.52	14558797.91	40°05'14.6919"N	80°36'53.7334"W	2.30	
11217.00	90.460	335.100	6152.68	4689.94	3019.37	-4763.80	1748077.07	14558885.07	40°05'15.5554"N	80°36'54.2750"W	2.21	
11313.00	90.030	335.530	6152.27	4785.93	3106.60	-4803.89	1748036.99	14558972.26	40°05'16.4191"N	80°36'54.7859"W	0.63	
11410.00	90.030	336.220	6152.22	4882.93	3195.13	-4843.54	1747997.36	14559060.75	40°05'17.2957"N	80°36'55.2911"W	0.71	
11507.00	90.280	335.560	6151.95	4979.93	3283.66	-4883.16	1747957.75	14559149.26	40°05'18.1723"N	80°36'55.7960"W	0.73	
11604.00	90.310	336.250	6151.46	5076.93	3372.21	-4922.76	1747918.17	14559237.77	40°05'19.0490"N	80°36'56.3006"W	0.71	
11700.00	90.220	335.600	6151.01	5172.92	3459.86	-4961.92	1747879.02	14559325.38	40°05'19.9168"N	80°36'56.7995"W	0.68	
11797.00	90.280	336.280	6150.59	5269.92	3548.43	-5001.47	1747839.49	14559413.92	40°05'20.7938"N	80°36'57.3034"W	0.70	
11894.00	90.120	335.490	6150.25	5366.92	3636.96	-5041.10	1747799.88	14559502.42	40°05'21.6704"N	80°36'57.8084"W	0.83	
11990.00	90.460	336.010	6149.76	5462.92	3724.49	-5080.53	1747760.46	14559589.91	40°05'22.5370"N	80°36'58.3108"W	0.65	
12087.00	90.180	336.170	6149.22	5559.91	3813.16	-5119.84	1747721.17	14559678.55	40°05'23.4150"N	80°36'58.8117"W	0.33	
12183.00	90.340	336.240	6148.79	5655.91	3901.00	-5158.57	1747682.45	14559766.36	40°05'24.2846"N	80°36'59.3052"W	0.18	
12280.00	90.280	336.480	6148.26	5752.91	3989.86	-5197.47	1747643.57	14559855.18	40°05'25.1644"N	80°36'59.8007"W	0.26	
12376.00	90.370	336.730	6147.72	5848.90	4077.97	-5235.59	1747605.47	14559943.25	40°05'26.0367"N	80°37'0.2863"W	0.28	
12473.00	90.180	335.940	6147.25	5945.90	4166.81	-5274.52	1747566.55	14560032.06	40°05'26.9163"N	80°37'0.7823"W	0.84	
12569.00	90.430	335.970	6146.74	6041.90	4254.48	-5313.64	1747527.45	14560119.69	40°05'27.7843"N	80°37'1.2807"W	0.26	
12666.00	90.340	335.980	6146.09	6138.90	4343.07	-5353.13	1747487.97	14560208.26	40°05'28.6615"N	80°37'1.7840"W	0.09	
12762.00	90.460	336.370	6145.42	6234.90	4430.89	-5391.91	1747449.21	14560296.04	40°05'29.5309"N	80°37'2.2780"W	0.43	
12859.00	90.650	336.310	6144.48	6331.89	4519.73	-5430.83	1747410.30	14560384.85	40°05'30.4105"N	80°37'2.7740"W	0.21	
12956.00	91.050	336.800	6143.04	6428.88	4608.71	-5469.42	1747371.72	14560473.79	40°05'31.2915"N	80°37'3.2655"W	0.65	
13053.00	91.020	337.620	6141.29	6525.84	4698.12	-5506.99	1747334.17	14560563.17	40°05'32.1767"N	80°37'3.7440"W	0.85	
13149.00	90.620	335.600	6139.91	6621.82	4786.22	-5545.09	1747296.08	14560651.23	40°05'33.0489"N	80°37'4.2294"W	2.14	
13246.00	90.580	336.280	6138.90	6718.82	4874.79	-5584.64	1747256.55	14560739.77	40°05'33.9258"N	80°37'4.7333"W	0.70	
13343.00	90.710	336.730	6137.81	6815.81	4963.74	-5623.30	1747217.90	14560828.68	40°05'34.8065"N	80°37'5.2259"W	0.48	
13439.00	91.850	336.120	6135.66	6911.78	5051.70	-5661.69	1747179.53	14560916.61	40°05'35.6774"N	80°37'5.7150"W	1.35	
13536.00	91.080	335.970	6133.18	7008.75	5140.32	-5701.06	1747140.18	14561005.19	40°05'36.5547"N	80°37'6.2167"W	0.81	
13632.00	91.170	336.340	6131.30	7104.73	5228.11	-5739.86	1747101.39	14561092.95	40°05'37.4239"N	80°37'6.7111"W	0.40	
13729.00	91.050	335.590	6129.42	7201.71	5316.68	-5779.36	1747061.90	14561181.49	40°05'38.3009"N	80°37'7.2145"W	0.78	
13826.00	91.540	336.170	6127.22	7298.68	5405.19	-5818.99	1747022.29	14561269.96	40°05'39.1772"N	80°37'7.7195"W	0.78	
13922.00	91.260	335.960	6124.88	7394.65	5492.91	-5857.92	1746983.37	14561357.65	40°05'40.0457"N	80°37'8.2156"W	0.36	

REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	OCC A OHI 601H
Field	Ohio	API	47069003430000
Facility	OCC A OHI Pad	Wellbore	OCC A OHI 601H AWB
Slot	Slot 601H		

WELLPATH DATA (243 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]	Comments
14019.00	91.110	335.960	6122.87	7491.63	5581.47	-5897.43	1746943.88	14561446.18	40°05'40.9226"N	80°37'8.7191"W	0.15	
14116.00	91.350	336.450	6120.79	7588.61	5670.21	-5936.56	1746904.77	14561534.88	40°05'41.8011"N	80°37'9.2177"W	0.56	
14212.00	91.350	336.350	6118.53	7684.58	5758.15	-5974.98	1746866.36	14561622.79	40°05'42.6718"N	80°37'9.7072"W	0.10	
14309.00	91.140	335.780	6116.42	7781.56	5846.79	-6014.33	1746827.03	14561711.39	40°05'43.5494"N	80°37'10.2086"W	0.63	
14405.00	91.110	335.620	6114.54	7877.54	5934.27	-6053.82	1746787.55	14561798.84	40°05'44.4155"N	80°37'10.7120"W	0.17	
14501.00	91.200	335.590	6112.60	7973.52	6021.68	-6093.47	1746747.92	14561886.21	40°05'45.2810"N	80°37'11.2173"W	0.10	
14598.00	91.110	335.540	6110.65	8070.49	6109.97	-6133.58	1746707.82	14561974.47	40°05'46.1552"N	80°37'11.7287"W	0.11	
14695.00	91.350	334.910	6108.56	8167.46	6198.03	-6174.22	1746667.20	14562062.49	40°05'47.0271"N	80°37'12.2468"W	0.69	
14791.00	91.230	335.940	6106.40	8263.42	6285.31	-6214.14	1746627.30	14562149.74	40°05'47.8913"N	80°37'12.7556"W	1.08	
14888.00	91.450	336.500	6104.13	8360.40	6374.05	-6253.24	1746588.21	14562238.44	40°05'48.7699"N	80°37'13.2539"W	0.62	
14984.00	91.290	336.100	6101.84	8456.37	6461.93	-6291.81	1746549.65	14562326.29	40°05'49.6399"N	80°37'13.7454"W	0.45	
15081.00	91.350	335.940	6099.61	8553.34	6550.53	-6331.23	1746510.25	14562414.86	40°05'50.5172"N	80°37'14.2477"W	0.18	
15177.00	91.420	336.030	6097.28	8649.31	6638.19	-6370.28	1746471.21	14562502.49	40°05'51.3851"N	80°37'14.7455"W	0.12	
15274.00	91.320	336.000	6094.97	8746.29	6726.79	-6409.70	1746431.81	14562591.05	40°05'52.2623"N	80°37'15.2479"W	0.11	
15370.00	91.050	336.030	6092.98	8842.27	6814.48	-6448.72	1746392.81	14562678.71	40°05'53.1305"N	80°37'15.7451"W	0.28	
15467.00	90.980	335.770	6091.26	8939.25	6903.02	-6488.32	1746353.22	14562767.21	40°05'54.0071"N	80°37'16.2498"W	0.28	
15563.00	91.350	336.030	6089.31	9035.23	6990.63	-6527.51	1746314.04	14562854.79	40°05'54.8745"N	80°37'16.7494"W	0.47	
15660.00	91.200	335.990	6087.15	9132.21	7079.23	-6566.94	1746274.63	14562943.35	40°05'55.7517"N	80°37'17.2519"W	0.16	
15756.00	91.170	336.800	6085.17	9228.18	7167.18	-6605.37	1746236.21	14563031.27	40°05'56.6225"N	80°37'17.7416"W	0.84	
15853.00	91.050	335.950	6083.29	9325.16	7256.03	-6644.24	1746197.36	14563120.08	40°05'57.5021"N	80°37'18.2369"W	0.88	
15950.00	91.320	335.860	6081.28	9422.14	7344.56	-6683.83	1746157.79	14563208.58	40°05'58.3787"N	80°37'18.7415"W	0.29	
16046.00	91.350	336.420	6079.04	9518.11	7432.33	-6722.65	1746118.98	14563296.32	40°05'59.2477"N	80°37'19.2363"W	0.58	
16142.00	91.110	335.910	6076.98	9614.09	7520.12	-6761.44	1746080.21	14563384.07	40°06'0.1169"N	80°37'19.7306"W	0.59	
16239.00	91.230	336.180	6075.00	9711.07	7608.75	-6800.81	1746040.85	14563472.67	40°06'0.9943"N	80°37'20.2324"W	0.30	
16335.00	91.230	336.120	6072.94	9807.05	7696.53	-6839.62	1746002.06	14563560.41	40°06'1.8634"N	80°37'20.7270"W	0.06	
16432.00	91.260	336.270	6070.83	9904.03	7785.26	-6878.76	1745962.93	14563649.11	40°06'2.7419"N	80°37'21.2259"W	0.16	
16528.00	91.200	335.590	6068.77	10000.00	7872.89	-6917.91	1745923.80	14563736.70	40°06'3.6095"N	80°37'21.7248"W	0.71	
16625.00	91.260	336.220	6066.69	10096.98	7961.42	-6957.50	1745884.22	14563825.20	40°06'4.4860"N	80°37'22.2295"W	0.65	
16722.00	91.110	335.260	6064.69	10193.96	8049.83	-6997.34	1745844.39	14563913.58	40°06'5.3614"N	80°37'22.7374"W	1.00	
16818.00	91.290	335.600	6062.68	10289.93	8137.12	-7037.25	1745804.50	14564000.83	40°06'6.2256"N	80°37'23.2462"W	0.40	

REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	OCC A OHI 601H
Field	Ohio	API	47069003430000
Facility	OCC A OHI Pad	Wellbore	OCC A OHI 601H AWB
Slot	Slot 601H		

WELLPATH DATA (243 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]	Comments
16914.00	91.450	335.510	6060.38	10385.90	8224.49	-7076.97	1745764.80	14564088.17	40°06'7.0907"N	80°37'23.7525"W	0.19	
17011.00	91.630	336.400	6057.77	10482.86	8313.04	-7116.48	1745725.31	14564176.68	40°06'7.9674"N	80°37'24.2561"W	0.94	
17107.00	91.480	336.110	6055.17	10578.82	8400.88	-7155.12	1745686.68	14564264.49	40°06'8.8371"N	80°37'24.7486"W	0.34	
17204.00	91.080	334.840	6053.00	10675.79	8489.10	-7195.37	1745646.44	14564352.68	40°06'9.7106"N	80°37'25.2618"W	1.37	
17301.00	91.380	334.800	6050.92	10772.74	8576.87	-7236.63	1745605.20	14564440.41	40°06'10.5796"N	80°37'25.7880"W	0.31	
17398.00	92.000	337.220	6048.06	10869.69	8665.44	-7276.05	1745565.80	14564528.95	40°06'11.4565"N	80°37'26.2905"W	2.57	
17494.00	91.570	335.800	6045.07	10965.64	8753.44	-7314.29	1745527.57	14564616.91	40°06'12.3277"N	80°37'26.7779"W	1.54	
17590.00	91.720	336.600	6042.31	11061.60	8841.24	-7353.02	1745488.86	14564704.68	40°06'13.1970"N	80°37'27.2714"W	0.85	
17687.00	91.450	335.990	6039.63	11158.56	8930.02	-7392.00	1745449.89	14564793.43	40°06'14.0760"N	80°37'27.7683"W	0.69	
17783.00	91.200	336.980	6037.41	11254.53	9018.02	-7430.29	1745411.61	14564881.40	40°06'14.9472"N	80°37'28.2563"W	1.06	
17879.00	91.230	335.980	6035.37	11350.51	9106.03	-7468.59	1745373.33	14564969.36	40°06'15.8185"N	80°37'28.7444"W	1.04	
17976.00	91.450	335.980	6033.10	11447.48	9194.60	-7508.07	1745333.87	14565057.91	40°06'16.6954"N	80°37'29.2476"W	0.23	
18073.00	91.290	335.600	6030.79	11544.45	9283.05	-7547.83	1745294.12	14565146.31	40°06'17.5711"N	80°37'29.7545"W	0.42	
18169.00	91.020	335.580	6028.85	11640.43	9370.45	-7587.50	1745254.47	14565233.68	40°06'18.4364"N	80°37'30.2603"W	0.28	
18265.00	91.450	334.850	6026.78	11736.40	9457.58	-7627.73	1745214.25	14565320.78	40°06'19.2992"N	80°37'30.7733"W	0.88	
18361.00	91.720	335.170	6024.13	11832.34	9544.56	-7668.27	1745173.72	14565407.73	40°06'20.1604"N	80°37'31.2903"W	0.44	
18458.00	92.090	335.970	6020.90	11929.28	9632.83	-7708.37	1745133.64	14565495.96	40°06'21.0343"N	80°37'31.8016"W	0.91	
18554.00	91.450	335.540	6017.94	12025.23	9720.32	-7747.77	1745094.26	14565583.42	40°06'21.9006"N	80°37'32.3039"W	0.80	
18651.00	91.510	336.000	6015.43	12122.20	9808.74	-7787.57	1745054.48	14565671.81	40°06'22.7760"N	80°37'32.8113"W	0.48	
18747.00	90.920	335.610	6013.40	12218.18	9896.29	-7826.90	1745015.16	14565759.32	40°06'23.6428"N	80°37'33.3128"W	0.74	
18844.00	90.990	337.140	6011.78	12315.16	9985.14	-7865.77	1744976.31	14565848.14	40°06'24.5225"N	80°37'33.8081"W	1.58	
18940.00	92.310	336.260	6009.01	12411.11	10073.28	-7903.72	1744938.36	14565936.24	40°06'25.3950"N	80°37'34.2918"W	1.65	
19037.00	91.320	337.390	6005.94	12508.05	10162.40	-7941.88	1744900.23	14566025.33	40°06'26.2773"N	80°37'34.7780"W	1.55	
19133.00	90.680	336.720	6004.27	12604.02	10250.79	-7979.30	1744862.82	14566113.69	40°06'27.1524"N	80°37'35.2548"W	0.97	
19230.00	91.020	336.310	6002.83	12701.01	10339.75	-8017.95	1744824.19	14566202.61	40°06'28.0330"N	80°37'35.7475"W	0.55	
19327.00	90.890	336.960	6001.21	12797.99	10428.78	-8056.41	1744785.74	14566291.60	40°06'28.9145"N	80°37'36.2377"W	0.68	
19423.00	92.150	336.970	5998.66	12893.94	10517.09	-8093.96	1744748.20	14566379.88	40°06'29.7887"N	80°37'36.7162"W	1.31	
19520.00	91.050	337.110	5995.96	12990.89	10606.37	-8131.78	1744710.39	14566469.13	40°06'30.6726"N	80°37'37.1981"W	1.14	
19616.00	91.320	337.190	5993.97	13086.86	10694.82	-8169.05	1744673.14	14566557.54	40°06'31.5481"N	80°37'37.6730"W	0.29	
19713.00	91.020	337.220	5991.99	13183.82	10784.22	-8206.63	1744635.58	14566646.91	40°06'32.4332"N	80°37'38.1518"W	0.31	

REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	OCC A OHI 601H
Field	Ohio	API	47069003430000
Facility	OCC A OHI Pad	Wellbore	OCC A OHI 601H AWB
Slot	Slot 601H		

WELLPATH DATA (243 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]	Comments
19810.00	90.890	336.780	5990.37	13280.79	10873.50	-8244.52	1744597.70	14566736.15	40°06'33.3170"N	80°37'38.6347"W	0.47	
19906.00	91.290	336.320	5988.55	13376.77	10961.55	-8282.72	1744559.52	14566824.17	40°06'34.1888"N	80°37'39.1215"W	0.63	
20002.00	90.830	336.440	5986.77	13472.75	11049.50	-8321.18	1744521.07	14566912.08	40°06'35.0594"N	80°37'39.6117"W	0.50	
20099.00	90.860	336.980	5985.34	13569.74	11138.58	-8359.52	1744482.74	14567001.13	40°06'35.9413"N	80°37'40.1005"W	0.56	
20195.00	91.020	337.100	5983.77	13665.71	11226.97	-8396.97	1744445.31	14567089.48	40°06'36.8163"N	80°37'40.5776"W	0.21	
20292.00	91.080	336.740	5981.99	13762.69	11316.19	-8434.99	1744407.31	14567178.67	40°06'37.6996"N	80°37'41.0621"W	0.38	
20388.00	90.800	336.470	5980.41	13858.67	11404.28	-8473.10	1744369.21	14567266.73	40°06'38.5717"N	80°37'41.5479"W	0.41	
20485.00	91.320	337.650	5978.62	13955.64	11493.59	-8510.90	1744331.42	14567356.01	40°06'39.4558"N	80°37'42.0296"W	1.33	
20581.00	90.280	336.620	5977.28	14051.61	11582.04	-8548.20	1744294.14	14567444.42	40°06'40.3314"N	80°37'42.5049"W	1.52	
20678.00	90.620	336.190	5976.52	14148.61	11670.93	-8587.02	1744255.33	14567533.27	40°06'41.2114"N	80°37'42.9998"W	0.57	
20774.00	91.080	336.310	5975.09	14244.59	11758.79	-8625.68	1744216.69	14567621.10	40°06'42.0812"N	80°37'43.4927"W	0.50	
20871.00	90.740	336.990	5973.55	14341.58	11847.83	-8664.12	1744178.26	14567710.11	40°06'42.9628"N	80°37'43.9826"W	0.78	
20967.00	90.400	336.360	5972.60	14437.57	11935.98	-8702.13	1744140.27	14567798.22	40°06'43.8354"N	80°37'44.4671"W	0.75	
21064.00	90.990	336.400	5971.42	14534.56	12024.85	-8740.99	1744101.42	14567887.05	40°06'44.7152"N	80°37'44.9625"W	0.61	
21160.00	90.710	336.650	5970.00	14630.55	12112.89	-8779.23	1744063.20	14567975.06	40°06'45.5868"N	80°37'45.4499"W	0.39	
21257.00	90.650	336.920	5968.84	14727.53	12202.03	-8817.46	1744024.98	14568064.17	40°06'46.4693"N	80°37'45.9372"W	0.29	
21353.00	90.650	335.550	5967.76	14823.52	12289.88	-8856.15	1743986.31	14568151.99	40°06'47.3391"N	80°37'46.4304"W	1.43	
21449.00	90.550	336.040	5966.75	14919.52	12377.44	-8895.50	1743946.97	14568239.51	40°06'48.2059"N	80°37'46.9323"W	0.52	
21546.00	90.650	335.670	5965.73	15016.51	12465.95	-8935.18	1743907.31	14568327.98	40°06'49.0822"N	80°37'47.4382"W	0.40	
21642.00	90.580	335.810	5964.70	15112.50	12553.46	-8974.62	1743867.88	14568415.47	40°06'49.9487"N	80°37'47.9411"W	0.16	
21739.00	90.680	335.930	5963.64	15209.50	12641.98	-9014.27	1743828.24	14568503.95	40°06'50.8250"N	80°37'48.4468"W	0.16	
21835.00	90.770	336.130	5962.42	15305.49	12729.70	-9053.27	1743789.26	14568591.63	40°06'51.6934"N	80°37'48.9440"W	0.23	
21932.00	90.580	335.390	5961.28	15402.48	12818.14	-9093.09	1743749.46	14568680.04	40°06'52.5690"N	80°37'49.4518"W	0.79	
22028.00	90.890	336.210	5960.05	15498.47	12905.69	-9132.44	1743710.12	14568767.56	40°06'53.4359"N	80°37'49.9536"W	0.91	
22124.00	90.430	336.370	5958.94	15594.46	12993.58	-9171.04	1743671.54	14568855.42	40°06'54.3060"N	80°37'50.4457"W	0.51	
22221.00	90.800	335.860	5957.90	15691.45	13082.27	-9210.31	1743632.28	14568944.07	40°06'55.1840"N	80°37'50.9465"W	0.65	
22317.00	90.460	335.500	5956.85	15787.45	13169.75	-9249.85	1743592.76	14569031.51	40°06'56.0501"N	80°37'51.4507"W	0.52	
22414.00	90.550	335.710	5955.99	15884.44	13258.08	-9289.91	1743552.72	14569119.81	40°06'56.9247"N	80°37'51.9616"W	0.24	
22510.00	90.800	335.350	5954.86	15980.43	13345.45	-9329.67	1743512.97	14569207.15	40°06'57.7897"N	80°37'52.4687"W	0.46	
22607.00	90.950	335.250	5953.38	16077.41	13433.57	-9370.20	1743472.46	14569295.23	40°06'58.6621"N	80°37'52.9857"W	0.19	

REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	OCC A OHI 601H
Field	Ohio	API	47069003430000
Facility	OCC A OHI Pad	Wellbore	OCC A OHI 601H AWB
Slot	Slot 601H		

WELLPATH DATA (243 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	DLS [°/100ft]	Comments
22703.00	91.260	336.110	5951.53	16173.38	13521.03	-9409.73	1743432.94	14569382.66	40°06'59.5281"N	80°37'53.4898"W	0.95	
22780.00	90.740	336.700	5950.18	16250.37	13591.58	-9440.54	1743402.14	14569453.18	40°07'0.2265"N	80°37'53.8827"W	1.02	
22805.00‡	90.740	336.700	5949.86	16275.37	13614.54	-9450.43	1743392.26	14569476.13	40°07'0.4538"N	80°37'54.0087"W	0.00	Proj to TD

HOLE & CASING SECTIONS - Ref Wellbore: OCC A OHI 601H AWB Ref Wellpath: OCC A OHI 601H awp 100' - 22780' Proj: 22805'									
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	553.00	527.00	26.00	552.99	0.00	0.00	-2.11	-1.98
9.625in Casing	26.00	1912.00	1886.00	26.00	1877.63	0.00	0.00	-74.62	-250.96
5.5in Casing	26.00	22818.00	22792.00	26.00	N/A	0.00	0.00	N/A	N/A

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
OCC A OHI 601H BHL Rev 4	5937.00	13613.94	-9452.25	1743390.44	14569475.53	40°07'0.4479"N	80°37'54.0322"W	point
OCC A OHI 601H LP Rev 4	6192.00	-379.99	-3255.09	1749585.20	14555487.03	40°04'41.8977"N	80°36'35.0557"W	point

REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	OCC A OHI 601H
Field	Ohio	API	47069003430000
Facility	OCC A OHI Pad	Wellbore	OCC A OHI 601H AWB
Slot	Slot 601H		

WELLPATH COMPOSITION - Ref Wellbore: OCC A OHI 601H AWB Ref Wellpath: OCC A OHI 601H awp 100' - 22780' Proj: 22805'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
26.00	755.00	Gyrodatta 2015 - GC+WIR+DPIPE	1 Imported Gyro 100' - 755'	OCC A OHI 601H AWB	9/21/2022
755.00	1769.00	OWSG MWD rev2 + HRGM	2 Tally MWD 862' - 1769'	OCC A OHI 601H AWB	9/21/2022
1769.00	5632.00	OWSG MWD rev2 + HRGM	3 Tally MWD 1922' - 5632'	OCC A OHI 601H AWB	9/21/2022
5632.00	22805.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	4 BH MWD 5727' - 22780'	OCC A OHI 601H AWB	9/27/2022