



SWN PRODUCTION COMPANY, LLC



Location: Marshall County, WV
 Field: Marshall
 Facility: David Reinbeau MSH Pad

Slot: 206H
 Well: David Reinbeau MSH 206H
 Wellbore: David Reinbeau MSH 206H AWB

Plot reference wellpath is David Reinbeau MSH 206H awp Proj: 26618'	Grid System: NAD83 / UTM Zone 17 North, US feet
True vertical depths are referenced to SDC 41 (KB)	North Reference: Grid north
Reference wellpath measured depths are referenced to SDC 41 (KB)	Scale: True distance
SDC 41 (KB) to Mean Sea Level: 1277 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: 206H): -1251 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: tranlam on 2023-08-14; Database: WA_MPL_EASTERNUS_Defn

Location Information

Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
David Reinbeau MSH Pad			1735218.668	14524246.412	39°59'33.6329"N	80°39'41.4703"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
206H	40.54	3.20	1735221.868	14524286.933	39°59'34.0334"N	80°39'41.4272"W
SDC 41 (KB) to Ground level (At Slot: 206H)					26ft	
Mean Sea Level to Ground level (At Slot: 206H)					-1251ft	
SDC 41 (KB) to Mean Sea Level					1277ft	

Bottom Hole Location

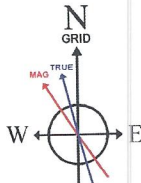
MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
26618.00	89.690	160.550	6515.99	-19372.92	5317.78	1740537.57	14504921.60	39°56'22.3794"N	80°38'34.1001"W

API: 47051025010000
 BH JOB: 111918580
 DURATION: 08.07.2023 to 08.11.2023
 RIG: SDC 40

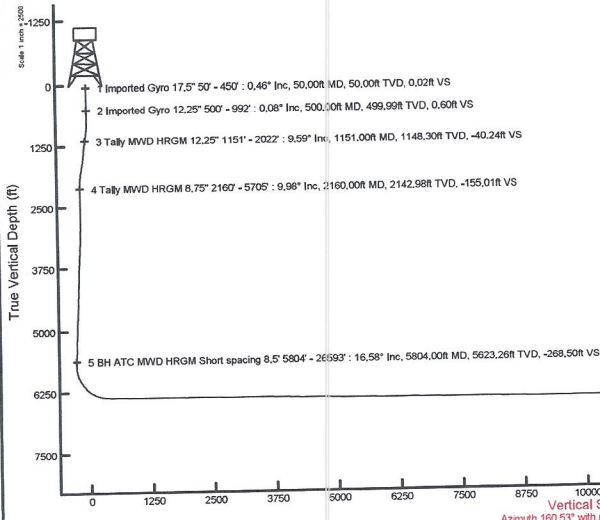
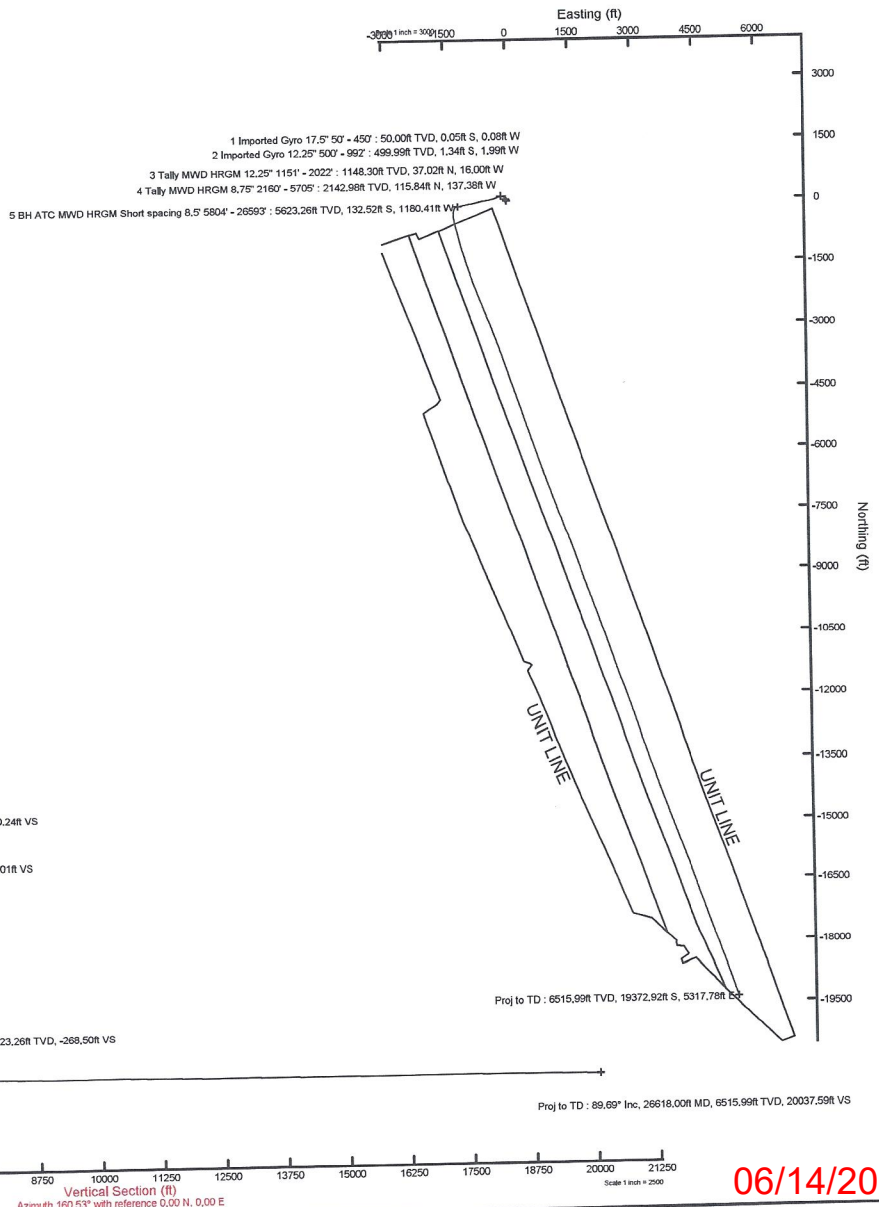
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HDGM2023 (1900.0 to 2024.0) Dip: 66.77° Field: 52039.6 nT
 Magnetic North is 8.14 degrees West of True North (at 7/31/2023)
 Grid North is 0.22 degrees East of True North
 To correct azimuth from True to Grid subtract 0.22 degrees
 To correct azimuth from Magnetic to Grid subtract 8.36 degrees



Proj to TD : 89.69° Inc, 26618.00ft MD, 6515.99ft TVD, 20037.59ft VS

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Actual Wellpath Report
David Reinbeau MSH 206H awp Proj: 26618'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	David Reinbeau MSH 206H
Field	Marshall	API	47051025010000
Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 206H AWB
Slot	206H		

REPORT SETUP INFORMATION			
Projection System	NAD83 / UTM Zone 17 North, US feet	Software System	WellArchitect@ 6.0
North Reference	Grid	User	Tranlam
Scale	0.999610	Report Generated	8/14/2023 at 1:45:44 PM
Convergence at slot	0.22° East	Database	WA_MPL_EASTERNUUS_Defn

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	40.54	3.20	1735221.87	14524286.93	39°59'34.0334"N	80°39'41.4272"W
Facility Reference Pt			1735218.67	14524246.41	39°59'33.6329"N	80°39'41.4703"W
Field Reference Pt			0.00	0.00	0°00'0.0000"	85°29'19.4780"W

WELLPATH DATUM			
Calculation method	Minimum curvature	SDC 41 (KB) to Facility	Vertical Datum
Horizontal Reference Pt	Slot	SDC 41 (KB) to Mean Sea Level	
Vertical Reference Pt	SDC 41 (KB)	SDC 41 (KB) to Ground Level at Slot (206H)	
MD Reference Pt	SDC 41 (KB)	Section Origin	
Field Vertical Reference	Mean Sea Level	Section Azimuth	



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Actual Wellpath Report
David Reinbeau MSH 206H awp Proj: 26618'
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REFERENCE WELLPATH IDENTIFICATION

Operator	SWN PRODUCTION COMPANY, LLC	Well	David Reinbeau MSH 206H
Field	Marshall	API	47051025010000
Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 206H AWB
Slot	206H		

WELLPATH DATA (286 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]
0.00†	0.000	236.770	0.00	0.00	0.00	0.00	1735221.87	14524286.93	39°59'34.0334"N	80°39'41.4272"W	0.00	0.000	0.00
26.00	0.000	236.770	26.00	0.00	0.00	0.00	1735221.87	14524286.93	39°59'34.0334"N	80°39'41.4272"W	0.00	0.000	0.00
50.00	0.460	236.770	50.00	0.02	-0.05	-0.08	1735221.79	14524286.88	39°59'34.0329"N	80°39'41.4282"W	0.10	236.770	1.92
100.00	0.400	236.350	100.00	0.11	-0.26	-0.39	1735221.47	14524286.67	39°59'34.0308"N	80°39'41.4323"W	0.47	236.615	0.12
150.00	0.540	233.370	150.00	0.23	-0.50	-0.73	1735221.14	14524286.44	39°59'34.0285"N	80°39'41.4366"W	0.88	235.695	0.28
200.00	0.430	239.740	199.99	0.33	-0.73	-1.08	1735220.79	14524286.20	39°59'34.0262"N	80°39'41.4411"W	1.30	235.857	0.24
250.00	0.290	258.300	249.99	0.35	-0.85	-1.37	1735220.50	14524286.08	39°59'34.0250"N	80°39'41.4448"W	1.61	238.029	0.36
300.00	0.290	234.530	299.99	0.36	-0.94	-1.57	1735220.30	14524286.00	39°59'34.0242"N	80°39'41.4474"W	1.83	239.211	0.24
350.00	0.140	242.520	349.99	0.40	-1.02	-1.71	1735220.16	14524285.91	39°59'34.0233"N	80°39'41.4492"W	1.99	239.077	0.19
400.00	0.170	211.770	399.99	0.45	-1.11	-1.80	1735220.07	14524285.82	39°59'34.0224"N	80°39'41.4504"W	2.12	238.255	0.17
450.00	0.220	223.310	449.99	0.54	-1.25	-1.90	1735219.96	14524285.69	39°59'34.0211"N	80°39'41.4517"W	2.28	236.799	0.13
500.00	0.080	218.030	499.99	0.60	-1.34	-1.99	1735219.88	14524285.59	39°59'34.0202"N	80°39'41.4528"W	2.40	235.998	0.28
550.00	0.090	226.600	549.99	0.64	-1.40	-2.04	1735219.83	14524285.54	39°59'34.0196"N	80°39'41.4535"W	2.48	235.600	0.03
600.00	0.150	242.430	599.99	0.66	-1.46	-2.13	1735219.74	14524285.48	39°59'34.0191"N	80°39'41.4546"W	2.58	235.636	0.14
650.00	0.270	245.590	649.99	0.68	-1.53	-2.29	1735219.57	14524285.40	39°59'34.0183"N	80°39'41.4567"W	2.76	236.220	0.24
700.00	0.190	265.190	699.99	0.67	-1.59	-2.48	1735219.38	14524285.34	39°59'34.0178"N	80°39'41.4592"W	2.95	237.373	0.22
750.00	0.120	257.550	749.99	0.64	-1.61	-2.62	1735219.25	14524285.33	39°59'34.0176"N	80°39'41.4609"W	3.07	238.431	0.15
800.00	1.490	341.860	799.99	-0.01	-1.00	-2.87	1735219.00	14524285.93	39°59'34.0236"N	80°39'41.4641"W	3.04	250.762	2.97
850.00	2.820	344.970	849.95	-1.89	0.80	-3.39	1735218.48	14524287.74	39°59'34.0414"N	80°39'41.4707"W	3.49	283.327	2.67
900.00	4.680	346.840	899.84	-5.14	3.98	-4.18	1735217.69	14524290.91	39°59'34.0729"N	80°39'41.4806"W	5.77	313.608	3.73
950.00	7.060	345.160	949.57	-10.23	8.94	-5.43	1735216.44	14524295.86	39°59'34.1219"N	80°39'41.4965"W	10.45	328.723	4.77
992.00	8.230	345.320	991.20	-15.80	14.34	-6.85	1735215.02	14524301.27	39°59'34.1753"N	80°39'41.5145"W	15.89	334.462	2.79
1151.00	9.590	331.770	1148.30	-40.24	37.02	-16.00	1735205.87	14524323.94	39°59'34.3998"N	80°39'41.6310"W	40.33	336.625	1.57
1246.00	8.200	324.050	1242.15	-64.55	49.48	-23.72	1735198.16	14524335.17	39°59'34.5232"N	80°39'41.7296"W	54.87	334.385	1.93
1334.00	6.270	319.830	1329.45	-65.07	58.23	-30.51	1735186.29	14524345.14	39°59'34.6100"N	80°39'41.8163"W	65.74	332.350	2.27
1425.00	4.570	328.690	1420.04	-73.27	65.13	-35.60	1735186.29	14524352.03	39°59'34.6783"N	80°39'41.8814"W	74.22	331.340	2.08
1516.00	6.200	337.390	1510.64	-81.72	72.76	-39.37	1735182.51	14524359.66	39°59'34.7539"N	80°39'41.9295"W	82.73	331.582	2.00
1607.00	8.860	334.890	1600.85	-93.60	83.64	-44.23	1735177.65	14524370.54	39°59'34.8616"N	80°39'41.9914"W	94.62	332.128	2.94
1698.00	10.490	324.820	1690.55	-108.56	96.76	-51.98	1735169.91	14524383.66	39°59'34.9916"N	80°39'42.0903"W	109.84	331.755	2.58
1789.00	11.880	303.960	1779.86	-124.06	108.77	-64.53	1735157.36	14524395.66	39°59'35.1107"N	80°39'42.2510"W	126.47	329.321	4.67

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Actual Wellpath Report

David Reinbeau MSH 206H awp Proj: 26618'
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REFERENCE WELLPATH IDENTIFICATION

Operator	SWN PRODUCTION COMPANY, LLC	Well	David Reinbeau MSH 206H
Field	Marshall	API	47051025010000
Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 206H AWB
Slot	206H		

WELLPATH DATA (286 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]
1879.00	14.200	286.700	1867.57	-138.02	117.12	-82.80	1735139.10	14524404.01	39°59'35.1939"N	80°39'42.4853"W	143.43	324.743	5.01
1970.00	12.250	271.220	1956.18	-148.02	120.54	-103.15	1735118.76	14524407.42	39°59'35.2264"N	80°39'42.7466"W	158.65	319.445	4.42
2022.00	10.450	263.790	2007.16	-151.06	120.14	-113.35	1735108.56	14524407.03	39°59'35.2249"N	80°39'42.8777"W	165.18	316.666	4.45
2160.00	9.980	255.740	2142.98	-155.01	115.84	-137.38	1735084.54	14524402.73	39°59'35.1833"N	80°39'43.1867"W	179.71	310.138	1.09
2251.00	12.330	254.190	2232.25	-156.35	111.25	-154.38	1735067.55	14524398.14	39°59'35.1386"N	80°39'43.4052"W	190.29	305.779	2.60
2343.00	13.370	249.760	2321.96	-156.83	104.90	-173.81	1735048.13	14524391.79	39°59'35.0765"N	80°39'43.6552"W	203.01	301.112	1.56
2526.00	16.480	245.530	2498.76	-154.29	86.82	-217.30	1735004.65	14524373.72	39°59'34.8995"N	80°39'44.2149"W	234.00	291.779	1.80
2617.00	17.080	246.760	2585.89	-152.28	76.20	-241.33	1734980.64	14524363.10	39°59'34.7955"N	80°39'44.5241"W	253.07	287.524	0.77
2709.00	18.130	249.250	2673.58	-151.07	65.80	-267.13	1734954.84	14524352.71	39°59'34.6936"N	80°39'44.8561"W	275.11	283.838	1.40
2799.00	19.300	252.200	2758.82	-151.19	56.29	-294.38	1734927.60	14524343.20	39°59'34.6007"N	80°39'45.2068"W	299.72	280.825	1.67
2890.00	19.010	255.850	2844.78	-153.01	48.07	-323.08	1734898.92	14524334.98	39°59'34.5205"N	80°39'45.5758"W	326.63	276.463	1.35
2980.00	18.890	256.910	2929.91	-155.98	41.19	-351.48	1734870.53	14524328.10	39°59'34.4536"N	80°39'45.9411"W	353.88	276.684	0.41
3071.00	19.080	255.070	3015.96	-158.80	34.02	-380.20	1734841.82	14524320.94	39°59'34.3838"N	80°39'46.3104"W	381.72	275.113	0.69
3161.00	18.670	254.620	3101.12	-160.99	26.41	-408.30	1734813.73	14524313.33	39°59'34.3096"N	80°39'46.6718"W	409.15	273.701	0.48
3252.00	18.140	257.520	3187.46	-163.75	19.48	-436.18	1734785.86	14524306.41	39°59'34.2422"N	80°39'47.0303"W	436.61	272.558	1.16
3343.00	18.320	261.100	3273.90	-168.10	14.21	-464.14	1734757.91	14524301.14	39°59'34.1912"N	80°39'47.3898"W	464.36	271.754	1.25
3436.00	18.040	259.210	3362.26	-172.96	9.25	-492.73	1734729.34	14524296.18	39°59'34.1432"N	80°39'47.7574"W	492.81	271.076	0.70
3526.00	17.500	260.290	3447.96	-177.35	4.36	-519.75	1734702.32	14524291.29	39°59'34.0959"N	80°39'48.1049"W	519.77	270.481	0.70
3617.00	17.020	263.250	3534.87	-182.60	0.49	-546.47	1734675.62	14524287.42	39°59'34.0586"N	80°39'48.4483"W	546.47	270.051	1.10
3709.00	16.890	261.870	3622.87	-188.20	-2.98	-573.07	1734649.03	14524283.95	39°59'34.0253"N	80°39'48.7902"W	573.07	269.702	0.46
3799.00	15.510	258.410	3709.30	-192.42	-7.25	-597.80	1734624.30	14524279.68	39°59'33.9841"N	80°39'49.1082"W	597.84	269.305	1.87
3890.00	17.420	259.060	3796.56	-196.11	-12.28	-623.09	1734599.02	14524274.66	39°59'33.9353"N	80°39'49.4334"W	623.22	268.871	2.11
4071.00	15.790	254.860	3970.01	-201.99	-23.86	-673.47	1734548.66	14524263.09	39°59'33.8228"N	80°39'50.0812"W	673.89	267.971	1.12
4162.00	15.600	257.010	4057.62	-204.30	-29.84	-697.35	1734500.77	14524257.10	39°59'33.7646"N	80°39'50.3883"W	697.98	267.550	0.67
4253.00	15.600	261.910	4145.27	-208.10	-38.27	-721.38	1734476.63	14524252.63	39°59'33.7212"N	80°39'50.6973"W	722.20	267.277	1.45
4343.00	15.960	259.510	4231.88	-212.42	-34.27	-745.53	1734442.92	14524248.68	39°59'33.6831"N	80°39'51.0078"W	746.51	267.062	0.83
4525.00	19.260	255.900	4405.33	-219.13	-50.14	-799.26	1734422.92	14524236.81	39°59'33.5677"N	80°39'51.6987"W	800.84	266.410	1.91
4708.00	17.990	257.420	4578.75	-225.35	-63.65	-856.12	1734366.08	14524223.31	39°59'33.4364"N	80°39'52.4299"W	858.48	265.748	0.74
4799.00	17.790	260.910	4665.35	-229.54	-68.91	-883.56	1734338.65	14524218.05	39°59'33.3854"N	80°39'52.7827"W	886.25	265.541	1.20
4889.00	18.420	263.640	4750.89	-235.24	-72.65	-911.27	1734310.95	14524214.31	39°59'33.3494"N	80°39'53.1389"W	914.16	265.442	1.17

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Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 206H AWB
Slot	206H		

WELLPATH DATA (286 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
4979.00	17.520	258.870	4836.51	-240.43	-76.84	-938.70	1734283.54	14524210.12	39°59'33.3090"N	80°39'53.4915"W	941.84	265.320	1.92
5070.00	17.270	256.310	4923.35	-243.78	-82.68	-966.26	1734256.98	14524204.28	39°59'33.2523"N	80°39'53.8331"W	968.80	265.104	0.88
5251.00	18.500	257.490	5095.60	-249.96	-95.26	-1019.40	1734202.86	14524191.71	39°59'33.1300"N	80°39'54.5293"W	1023.84	264.661	0.71
5341.00	17.010	257.850	5181.31	-253.37	-101.13	-1046.21	1734176.06	14524186.84	39°59'33.0730"N	80°39'54.8740"W	1051.09	264.479	1.66
5433.00	16.970	254.940	5269.29	-256.12	-107.45	-1072.33	1734149.95	14524179.53	39°59'33.0115"N	80°39'55.2099"W	1077.70	264.278	0.93
5523.00	18.390	254.280	5355.04	-258.06	-114.71	-1098.68	1734123.81	14524172.27	39°59'32.9408"N	80°39'55.5488"W	1104.66	264.040	1.59
5614.00	18.300	258.520	5441.42	-260.98	-121.44	-1126.50	1734095.60	14524165.54	39°59'32.8753"N	80°39'55.9066"W	1133.03	263.847	1.47
5705.00	16.310	260.680	5528.30	-265.22	-126.35	-1153.12	1734069.20	14524160.63	39°59'32.8277"N	80°39'56.2488"W	1160.02	263.747	2.30
5804.00	16.580	253.900	5623.26	-268.50	-132.52	-1180.41	1734041.92	14524154.46	39°59'32.7678"N	80°39'56.5997"W	1187.82	263.594	1.96
5895.00	17.910	253.360	5710.16	-269.95	-140.13	-1206.29	1734016.05	14524146.86	39°59'32.6935"N	80°39'56.9326"W	1214.40	263.374	1.47
5985.00	17.770	239.880	5795.87	-268.10	-150.99	-1231.44	1733990.91	14524136.00	39°59'32.5872"N	80°39'57.2562"W	1240.66	263.010	4.58
6076.00	24.210	218.160	5880.92	-255.51	-172.69	-1255.04	1733967.32	14524114.32	39°59'32.3736"N	80°39'57.5605"W	1266.86	262.166	10.99
6166.00	26.690	197.360	5962.34	-229.40	-206.56	-1272.51	1733949.86	14524080.45	39°59'32.0395"N	80°39'57.7866"W	1289.17	260.780	10.25
6258.00	32.950	187.030	6042.17	-190.40	-251.19	-1281.75	1733940.62	14524035.85	39°59'31.5989"N	80°39'57.9075"W	1306.13	258.912	8.78
6349.00	38.780	183.340	6115.90	-141.94	-304.25	-1286.45	1733935.93	14523982.80	39°59'31.0746"N	80°39'57.9708"W	1321.94	256.694	6.83
6447.00	47.660	177.450	6187.27	-78.85	-371.23	-1280.62	1733935.75	14523915.85	39°59'30.4127"N	80°39'57.9758"W	1339.11	253.905	9.94
6543.00	55.350	173.860	6246.99	-6.36	-446.06	-1286.81	1733941.56	14523841.04	39°59'29.6730"N	80°39'57.9048"W	1356.26	250.798	8.53
6640.00	63.110	168.700	6296.60	75.45	-528.32	-1268.04	1733954.32	14523758.82	39°59'28.8597"N	80°39'57.7447"W	1373.70	247.381	9.21
6737.00	72.950	165.150	6332.86	164.73	-615.79	-1247.63	1733974.73	14523671.38	39°59'27.9944"N	80°39'57.4866"W	1391.32	243.730	10.70
6833.00	80.100	164.790	6355.21	257.75	-705.90	-1223.43	1733998.92	14523581.31	39°59'27.1031"N	80°39'57.1800"W	1412.47	240.016	7.49
6930.00	86.090	165.290	6366.87	353.70	-798.89	-1198.58	1734023.75	14523488.36	39°59'26.1882"N	80°39'56.8653"W	1440.43	236.315	6.20
7027.00	89.780	165.650	6370.36	450.26	-892.71	-1174.27	1734048.06	14523394.57	39°59'25.2552"N	80°39'56.5574"W	1475.07	232.757	3.82
7123.00	89.380	165.010	6371.07	545.92	-985.58	-1149.96	1734072.36	14523301.74	39°59'24.3365"N	80°39'56.2496"W	1514.52	229.402	0.79
7219.00	89.540	165.230	6371.97	641.61	-1078.35	-1125.31	1734097.00	14523209.00	39°59'23.4188"N	80°39'55.9373"W	1558.58	226.221	0.28
7316.00	89.010	162.570	6373.20	738.42	-1171.53	-1098.41	1734123.89	14523115.86	39°59'22.4970"N	80°39'55.5963"W	1605.92	223.155	2.80
7412.00	89.140	162.990	6374.75	834.34	-1263.22	-1070.00	1734152.29	14523024.21	39°59'20.6713"N	80°39'55.2356"W	1655.48	220.266	0.46
7509.00	89.020	163.380	6376.31	937.22	-1356.06	-1041.94	1734180.34	14522931.41	39°59'19.7613"N	80°39'54.8796"W	1710.12	217.537	0.42
7605.00	89.380	163.410	6377.65	1027.09	-1448.04	-1014.51	1734207.76	14522839.46	39°59'19.1847"N	80°39'54.5317"W	1768.07	215.015	0.38
7702.00	89.320	161.060	6378.75	1124.03	-1540.41	-984.92	1734237.34	14522747.13	39°59'18.8474"N	80°39'54.1559"W	1828.36	212.594	2.42
7798.00	89.450	160.540	6379.78	1220.03	-1631.06	-953.35	1734268.90	14522656.51	39°59'17.9504"N	80°39'53.7547"W	1889.24	210.306	0.56



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Actual Wellpath Report

David Reinbeau MSH 206H awp Proj: 26618'
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REFERENCE WELLPATH IDENTIFICATION

Operator	SWN PRODUCTION COMPANY, LLC	Well	David Reinbeau MSH 206H
Field	Marshall	API	47051025010000
Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 206H AWB
Slot	206H		

WELLPATH DATA (286 stations)

MID	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]
7895.00	89.910	160.660	6380.32	1317.03	-1722.55	-921.13	17343301.10	14522565.06	39°59'17.0450"N	80°39'53.3452"W	1953.37	208.135	0.49
7992.00	89.720	159.840	6380.63	1414.02	-1813.84	-888.35	17343333.87	14522473.80	39°59'16.1416"N	80°39'52.9285"W	2019.70	206.094	0.87
8088.00	89.850	160.230	6380.99	1510.02	-1904.07	-855.57	17343366.63	14522383.60	39°59'15.2488"N	80°39'52.5118"W	2087.46	204.196	0.43
8185.00	89.940	160.520	6381.17	1607.02	-1995.44	-822.99	17343399.20	14522292.27	39°59'14.3446"N	80°39'52.0976"W	2158.49	202.413	0.31
8281.00	89.970	160.740	6381.25	1703.02	-2086.01	-791.15	1734431.03	14522201.74	39°59'13.4485"N	80°39'51.6930"W	2231.00	200.770	0.23
8378.00	89.720	158.400	6381.51	1800.00	-2176.90	-757.30	1734464.87	14522110.89	39°59'12.5490"N	80°39'51.2624"W	2304.86	199.182	2.43
8474.00	89.820	160.060	6381.89	1895.97	-2266.65	-723.25	1734498.90	14522021.17	39°59'11.6607"N	80°39'50.8294"W	2379.25	197.697	1.73
8571.00	90.370	157.510	6381.73	1992.92	-2357.07	-688.16	1734533.98	14521930.78	39°59'10.7659"N	80°39'50.3829"W	2455.47	196.275	2.69
8667.00	90.580	158.510	6380.94	2088.82	-2446.08	-652.21	1734569.91	14521841.81	39°59'9.8849"N	80°39'49.9254"W	2531.54	194.930	1.06
8763.00	90.340	158.780	6380.17	2184.76	-2535.49	-617.25	1734604.86	14521752.44	39°59'9.0004"N	80°39'49.4807"W	2609.54	193.682	0.38
8860.00	90.550	159.210	6379.41	2281.72	-2626.04	-582.49	1734639.61	14521661.92	39°59'8.1039"N	80°39'49.0384"W	2689.87	192.506	0.49
8957.00	90.150	159.060	6378.82	2378.69	-2716.68	-547.94	1734674.14	14521571.32	39°59'7.2069"N	80°39'48.5989"W	2771.39	191.403	0.44
9054.00	89.320	158.750	6379.27	2475.65	-2807.18	-513.03	1734709.04	14521480.86	39°59'6.313"N	80°39'48.1548"W	2853.67	190.357	0.91
9150.00	88.950	158.250	6380.72	2571.58	-2896.49	-477.85	1734744.21	14521391.58	39°59'5.4274"N	80°39'47.7072"W	2935.64	189.368	0.65
9247.00	89.080	159.890	6382.39	2668.53	-2987.07	-443.20	1734778.84	14521301.03	39°59'4.5309"N	80°39'47.2665"W	3019.77	188.440	1.70
9343.00	89.750	160.130	6383.37	2764.52	-3077.28	-410.39	1734811.64	14521210.86	39°59'3.6382"N	80°39'46.8493"W	3104.52	187.596	0.74
9440.00	89.780	159.270	6383.76	2861.51	-3168.25	-376.73	1734845.28	14521119.92	39°59'2.7379"N	80°39'46.4215"W	3190.57	186.781	0.89
9537.00	90.370	160.260	6383.64	2958.50	-3259.27	-343.19	1734878.82	14521028.94	39°59'1.8373"N	80°39'45.9949"W	3277.28	186.011	1.19
9633.00	89.880	158.710	6383.43	3054.48	-3349.17	-309.54	1734912.45	14520939.07	39°59'0.9475"N	80°39'45.5671"W	3363.45	185.280	1.69
9730.00	89.850	159.680	6383.66	3151.45	-3439.65	-275.09	1734946.89	14520848.43	39°58'59.0502"N	80°39'45.1289"W	3450.83	184.572	1.00
9826.00	89.820	159.730	6383.93	3247.44	-3529.89	-241.79	1734980.17	14520758.43	39°58'58.1591"N	80°39'44.7055"W	3538.16	183.919	0.06
9923.00	90.120	160.220	6383.98	3344.44	-3621.02	-208.58	1735013.37	14520667.33	39°58'58.2573"N	80°39'44.2832"W	3627.03	183.297	0.59
10020.00	90.340	159.960	6383.59	3441.43	-3712.22	-175.54	1735046.39	14520576.16	39°58'57.3547"N	80°39'43.8633"W	3716.37	182.707	0.35
10116.00	88.980	160.210	6384.16	3537.43	-3802.48	-142.85	1735079.62	14520485.94	39°58'56.4616"N	80°39'43.4477"W	3805.16	182.151	1.44
10213.00	89.380	160.060	6385.55	3634.41	-3893.70	-109.89	1735112.02	14520394.76	39°58'55.5589"N	80°39'43.0287"W	3895.25	181.617	0.44
10309.00	88.580	161.230	6387.26	3730.40	-3984.26	-78.08	1735143.82	14520304.24	39°58'54.6628"N	80°39'42.6245"W	3985.02	181.123	1.48
10406.00	88.370	161.040	6389.84	3827.36	-4076.01	-46.72	1735175.16	14520212.52	39°58'53.7549"N	80°39'42.2262"W	4076.28	180.657	0.29
10502.00	88.550	159.990	6392.42	3923.32	-4166.48	-14.71	1735207.16	14520122.08	39°58'52.8596"N	80°39'41.8194"W	4166.51	180.202	1.11
10598.00	88.800	160.580	6394.64	4019.29	-4256.83	17.66	1735239.52	14520031.77	39°58'51.9656"N	80°39'41.4079"W	4256.87	179.762	0.67
10695.00	88.740	160.770	6396.73	4116.27	-4348.34	49.75	1735271.60	14519940.29	39°58'51.0600"N	80°39'41.0001"W	4348.63	179.344	0.21

Actual Wellpath Report
David Reinbeau MSH 206H awp Proj: 26618'
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Field	Marshall	API	47051025010000
Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 206H AWB
Slot	206H		

WELLPATH DATA (286 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [us ft]	Grid North [us ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [ft/100ft]
10791.00	88.980	160.620	6398.64	4212.25	-4438.93	81.48	1735303.32	14518849.75	39°58'50.1636"N	80°39'40.5969"W	4439.67	178.948	0.29
10888.00	88.920	160.940	6400.41	4309.23	-4530.50	113.41	1735335.23	14519758.20	39°58'49.2574"N	80°39'40.1913"W	4531.92	178.566	0.34
10984.00	88.920	160.510	6402.22	4405.22	-4621.11	145.10	1735366.91	14519667.64	39°58'48.3609"N	80°39'39.7987"W	4623.38	178.202	0.45
11081.00	88.980	161.340	6404.00	4502.20	-4712.76	176.79	1735398.59	14519576.01	39°58'47.4539"N	80°39'39.3860"W	4716.08	177.852	0.86
11177.00	89.230	161.620	6405.50	4598.17	-4803.78	207.28	1735429.07	14519485.03	39°58'46.5533"N	80°39'38.9988"W	4808.25	177.529	0.39
11273.00	91.110	161.410	6405.21	4694.15	-4894.82	237.72	1735459.49	14519392.95	39°58'45.6525"N	80°39'38.6123"W	4900.59	177.220	1.97
11369.00	88.770	161.930	6405.31	4790.17	-4985.94	267.95	1735489.69	14519302.95	39°58'44.7509"N	80°39'38.2286"W	4993.13	176.924	2.49
11466.00	88.620	162.030	6407.52	4887.07	-5078.15	297.95	1735519.70	14519210.77	39°58'43.8385"N	80°39'37.8475"W	5086.88	176.642	0.20
11563.00	88.580	161.180	6409.89	4984.02	-5170.16	328.55	1735550.29	14519118.79	39°58'42.9280"N	80°39'37.4589"W	5180.59	176.364	0.88
11659.00	89.140	162.160	6411.80	5079.99	-5261.27	358.74	1735580.46	14519027.72	39°58'42.0265"N	80°39'37.0756"W	5273.49	176.099	1.18
11755.00	88.800	161.610	6413.53	5175.94	-5352.50	388.58	1735610.30	14518936.53	39°58'41.1239"N	80°39'36.6967"W	5366.59	175.848	0.67
11852.00	90.460	162.450	6414.16	5272.90	-5444.76	418.50	1735640.21	14518844.30	39°58'40.2110"N	80°39'36.3169"W	5460.82	175.605	1.92
11948.00	88.770	161.600	6414.80	5368.86	-5536.07	448.13	1735669.82	14518753.03	39°58'39.3075"N	80°39'35.9408"W	5554.18	175.372	0.43
12045.00	88.520	161.930	6417.09	5465.81	-5628.17	478.47	1735700.15	14518660.96	39°58'38.3962"N	80°39'35.5555"W	5648.47	175.141	0.83
12142.00	90.310	162.150	6418.09	5562.77	-5720.44	508.38	1735730.05	14518568.74	39°58'37.4833"N	80°39'35.1759"W	5742.98	174.921	1.86
12238.00	89.320	160.340	6418.40	5658.76	-5811.34	539.24	1735760.90	14518477.87	39°58'36.5839"N	80°39'34.7839"W	5836.30	174.699	2.15
12335.00	89.420	160.290	6419.46	5755.75	-5902.66	571.92	1735793.56	14518386.58	39°58'35.6801"N	80°39'34.3687"W	5930.30	174.466	0.12
12431.00	89.850	161.440	6420.07	5851.75	-5993.35	603.38	1735825.01	14518295.93	39°58'34.7827"N	80°39'33.9689"W	6023.65	174.251	1.28
12528.00	89.970	160.800	6420.23	5948.74	-6085.13	634.77	1735856.39	14518204.18	39°58'33.8745"N	80°39'33.5702"W	6118.15	174.045	0.67
12624.00	89.540	160.210	6420.64	6044.74	-6175.63	666.81	1735888.41	14518113.72	39°58'32.9790"N	80°39'33.1632"W	6211.52	173.837	0.76
12720.00	89.540	160.930	6421.41	6140.73	-6266.16	698.74	1735920.34	14518023.23	39°58'32.0832"N	80°39'32.7574"W	6305.00	173.637	0.75
12817.00	89.480	161.080	6422.24	6237.73	-6357.87	730.31	1735951.89	14517931.55	39°58'31.1756"N	80°39'32.3564"W	6399.68	173.447	0.17
12914.00	89.570	160.940	6423.04	6334.72	-6449.59	761.88	1735983.44	14517839.87	39°58'30.2680"N	80°39'31.9555"W	6494.43	173.263	0.17
13010.00	88.680	160.740	6424.51	6430.71	-6540.26	793.38	1736014.94	14517749.23	39°58'29.3708"N	80°39'31.5553"W	6588.21	173.083	0.95
13107.00	88.800	157.120	6426.64	6527.63	-6630.74	828.24	1736049.78	14517658.79	39°58'28.4754"N	80°39'30.6798"W	6682.27	172.880	3.73
13203.00	89.820	161.390	6427.80	6623.58	-6720.49	862.23	1736083.76	14517568.08	39°58'27.5872"N	80°39'30.2782"W	6775.57	172.689	4.57
13300.00	89.480	160.570	6428.39	6720.57	-6812.19	893.84	1736115.36	14517477.41	39°58'26.6798"N	80°39'29.8720"W	6870.58	172.525	0.92
13397.00	89.260	160.930	6429.46	6817.56	-6903.76	925.82	1736147.32	14517385.88	39°58'25.7736"N	80°39'29.4612"W	6965.56	172.362	0.43
13493.00	89.230	159.710	6430.72	6913.55	-6994.14	958.15	1736179.64	14517295.53	39°58'24.8792"N	80°39'29.0439"W	7059.47	172.199	1.27
13590.00	89.660	160.710	6431.66	7010.54	-7085.41	990.99	1736212.47	14517204.30	39°58'23.9760"N	80°39'29.0439"W	7154.37	172.038	1.12



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Actual Wellpath Report

David Reinbeau MSH 206H awp Proj: 26618'

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REFERENCE WELLPATH IDENTIFICATION

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Field	Marshall	API	47051025010000
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Slot	206H		

WELLPATH DATA (286 stations)

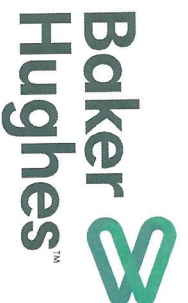
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
13666.00	89.480	160.640	6432.38	7106.54	-7176.00	1022.75	1736244.22	14517113.75	39°58'23.0796"N	80°39'28.6403"W	7248.51	171.889	0.20
13783.00	89.380	160.640	6433.35	7203.54	-7267.51	1054.91	1736276.36	14517022.27	39°58'22.1741"N	80°39'28.2318"W	7343.67	171.741	0.10
13879.00	89.510	159.800	6434.28	7299.53	-7357.84	1087.39	1736308.83	14516931.98	39°58'21.2802"N	80°39'27.8190"W	7437.75	171.593	0.89
13976.00	90.120	161.110	6434.59	7396.53	-7449.24	1119.84	1736341.27	14516840.61	39°58'20.3756"N	80°39'27.4067"W	7532.95	171.451	1.49
14073.00	89.850	160.290	6434.61	7493.53	-7540.79	1151.90	1736373.32	14516749.09	39°58'19.4697"N	80°39'26.9995"W	7628.27	171.315	0.89
14169.00	89.940	160.350	6434.79	7589.52	-7631.19	1184.23	1736405.64	14516658.74	39°58'18.5752"N	80°39'26.5887"W	7722.52	171.179	0.11
14266.00	89.110	159.640	6435.59	7686.52	-7722.33	1217.41	1736438.81	14516567.63	39°58'17.6732"N	80°39'26.1670"W	7817.70	171.041	1.13
14362.00	89.750	160.780	6436.55	7782.51	-7812.65	1249.92	1736471.29	14516477.34	39°58'16.7794"N	80°39'25.7540"W	7912.00	170.911	1.36
14459.00	89.600	160.100	6437.10	7879.51	-7904.05	1282.39	1736503.75	14516385.98	39°58'15.8749"N	80°39'25.3414"W	8007.41	170.784	0.72
14556.00	89.480	159.840	6437.88	7976.50	-7995.18	1315.61	1736536.96	14516294.88	39°58'14.9731"N	80°39'24.9192"W	8102.70	170.656	0.30
14652.00	89.480	159.980	6438.75	8072.49	-8085.34	1348.59	1736569.93	14516204.76	39°58'14.0809"N	80°39'24.5001"W	8197.03	170.531	0.15
14749.00	89.510	159.690	6439.60	8169.48	-8176.39	1382.02	1736603.35	14516113.75	39°58'13.1798"N	80°39'24.0752"W	8292.36	170.406	0.30
14846.00	89.780	160.650	6440.21	8266.47	-8267.63	1414.93	1736636.24	14516022.54	39°58'12.2768"N	80°39'23.6570"W	8387.83	170.288	1.03
14942.00	89.420	159.380	6440.88	8362.46	-8357.85	1447.74	1736669.04	14515932.36	39°58'11.3841"N	80°39'23.2401"W	8482.31	170.173	1.38
15039.00	89.170	160.340	6442.07	8459.45	-8448.91	1481.13	1736702.42	14515841.33	39°58'10.4829"N	80°39'22.8157"W	8577.75	170.057	1.02
15136.00	89.690	160.490	6443.03	8556.44	-8540.29	1513.64	1736734.92	14515749.99	39°58'9.5786"N	80°39'22.4026"W	8673.39	169.950	0.56
15232.00	89.750	159.950	6443.50	8652.44	-8630.63	1546.13	1736767.39	14515659.69	39°58'8.6846"N	80°39'21.9898"W	8768.02	169.843	0.57
15329.00	89.480	159.860	6444.16	8749.43	-8721.72	1579.46	1736800.71	14515568.63	39°58'7.7832"N	80°39'21.5663"W	8863.58	169.735	0.29
15425.00	89.780	160.220	6444.78	8845.43	-8811.95	1612.23	1736833.46	14515478.43	39°58'6.8902"N	80°39'21.1499"W	8958.22	169.632	0.49
15522.00	89.850	160.710	6445.09	8942.43	-8903.37	1644.66	1736866.89	14515387.05	39°58'5.9856"N	80°39'20.7379"W	9054.00	169.534	0.51
15618.00	89.880	160.460	6445.31	9038.42	-8993.91	1676.57	1736897.79	14515296.55	39°58'5.0896"N	80°39'20.3325"W	9148.84	169.441	0.26
15715.00	89.630	160.060	6445.73	9135.42	-9085.21	1709.34	1736930.53	14515205.29	39°58'4.1861"N	80°39'19.9162"W	9244.61	169.345	0.49
15811.00	89.380	161.610	6446.56	9231.41	-9175.88	1740.85	1736962.04	14515114.65	39°58'3.2889"N	80°39'19.5160"W	9339.56	169.258	1.64
15908.00	88.920	158.960	6448.00	9328.39	-9267.17	1773.56	1736994.74	14515023.39	39°58'2.3854"N	80°39'19.1003"W	9435.36	169.166	2.77
16004.00	89.510	160.040	6449.31	9424.37	-9357.08	1807.18	1737028.34	14514933.51	39°58'1.4956"N	80°39'18.6731"W	9530.00	169.069	1.28
16101.00	90.150	160.100	6449.60	9521.36	-9448.27	1840.25	1737061.39	14514842.36	39°58'0.5933"N	80°39'18.2529"W	9625.82	168.978	0.66
16198.00	89.970	160.340	6449.50	9618.36	-9539.55	1873.07	1737094.20	14514751.12	39°57'59.6899"N	80°39'17.8359"W	9721.70	168.891	0.31
16294.00	90.150	160.610	6449.40	9714.36	-9630.03	1905.16	1737126.28	14514660.67	39°57'58.7945"N	80°39'17.4283"W	9816.67	168.809	0.34
16390.00	90.120	160.050	6449.17	9810.36	-9720.43	1937.47	1737158.58	14514570.31	39°57'57.9000"N	80°39'17.0178"W	9911.63	168.728	0.58
16487.00	90.150	160.680	6448.94	9907.36	-9811.79	1970.06	1737191.16	14514478.99	39°57'56.9955"N	80°39'16.6037"W	10007.61	168.647	0.65



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Actual Wellpath Report

David Reinbeau MSH 206H awp Proj: 26618'
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REFERENCE WELLPATH IDENTIFICATION

Operator	SWN PRODUCTION COMPANY, LLC	Well	David Reinbeau MSH 206H
Field	Marshall	API	47051025010000
Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 206H AWB
Slot	206H		

WELLPATH DATA (286 stations)

MID	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(US ft)	(US ft)			(ft)	(°)	(°/100ft)
16584.00	90.250	160.700	6448.61	10004.36	-9903.33	2002.14	1737223.22	14514387.48	39°57'56.0900"N	80°39'16.1963"W	10103.69	168.571	0.11
16680.00	89.970	160.520	6448.42	10100.36	-9993.88	2034.01	1737255.08	14514296.96	39°57'55.1939"N	80°39'15.7915"W	10198.77	168.496	0.35
16777.00	89.230	161.270	6449.10	10197.35	-10085.54	2065.76	1737286.82	14514205.35	39°57'54.2869"N	80°39'15.3883"W	10294.92	168.425	1.09
16873.00	88.310	159.000	6451.16	10293.32	-10175.80	2098.37	1737319.41	14514115.12	39°57'53.3937"N	80°39'14.9740"W	10389.90	168.348	2.55
16969.00	90.580	162.090	6452.09	10389.90	-10266.30	2130.34	1737351.37	14514024.66	39°57'52.4981"N	80°39'14.5680"W	10485.00	168.277	3.99
17066.00	89.450	161.220	6452.06	10486.38	-10358.36	2160.86	1737381.89	14513932.63	39°57'51.5871"N	80°39'14.1805"W	10581.35	168.216	1.47
17163.00	89.570	160.770	6452.89	10583.27	-10450.07	2192.45	1737413.46	14513840.95	39°57'50.6796"N	80°39'13.7794"W	10677.59	168.151	0.48
17259.00	89.380	160.770	6453.77	10679.27	-10540.71	2224.07	1737445.06	14513750.35	39°57'49.7827"N	80°39'13.3778"W	10772.79	168.085	0.20
17355.00	89.050	160.890	6455.09	10775.25	-10631.38	2255.59	1737476.57	14513659.72	39°57'48.8855"N	80°39'12.9776"W	10868.02	168.022	0.37
17452.00	89.080	160.790	6456.67	10872.24	-10722.99	2287.42	1737508.39	14513568.14	39°57'47.9789"N	80°39'12.5733"W	10964.26	167.958	0.11
17548.00	89.570	160.870	6457.80	10968.23	-10813.66	2318.94	1737539.90	14513477.50	39°57'47.0816"N	80°39'12.1730"W	11059.51	167.896	0.52
17645.00	89.050	160.610	6458.97	11065.22	-10905.23	2350.94	1737571.88	14513385.98	39°57'46.1755"N	80°39'11.7667"W	11155.76	167.834	0.60
17741.00	89.600	160.460	6460.10	11161.22	-10995.74	2382.92	1737603.86	14513295.05	39°57'45.2799"N	80°39'11.3604"W	11250.98	167.772	0.59
17838.00	89.690	160.740	6460.70	11258.21	-11087.23	2415.14	1737636.06	14513204.05	39°57'44.3745"N	80°39'10.9512"W	11347.22	167.711	0.30
17935.00	89.570	161.420	6461.33	11355.21	-11178.98	2446.59	1737667.50	14513112.33	39°57'43.4665"N	80°39'10.5519"W	11443.58	167.655	0.71
18031.00	88.800	161.040	6462.69	11451.19	-11269.87	2477.48	1737698.38	14513021.48	39°57'42.5672"N	80°39'10.1598"W	11538.97	167.602	0.89
18128.00	89.110	160.780	6464.46	11548.17	-11361.52	2509.20	1737730.08	14512929.87	39°57'41.6603"N	80°39'9.7570"W	11635.30	167.546	0.42
18224.00	89.230	160.680	6465.85	11644.16	-11452.13	2540.88	1737761.75	14512839.29	39°57'40.7636"N	80°39'9.3547"W	11730.62	167.490	0.16
18321.00	89.110	160.810	6467.26	11741.15	-11543.69	2572.86	1737793.72	14512747.76	39°57'39.8575"N	80°39'8.9485"W	11826.94	167.435	0.18
18417.00	89.850	160.330	6468.13	11837.14	-11634.22	2604.80	1737825.64	14512657.27	39°57'38.9616"N	80°39'8.5430"W	11922.25	167.380	0.92
18514.00	89.290	159.960	6468.86	11934.14	-11725.45	2637.74	1737858.57	14512566.07	39°57'38.0688"N	80°39'8.1245"W	12018.48	167.322	0.69
18610.00	89.940	160.120	6469.50	12030.13	-11815.68	2670.51	1737891.33	14512475.88	39°57'37.1659"N	80°39'7.7082"W	12113.71	167.264	0.70
18707.00	90.120	162.190	6469.45	12127.12	-11907.48	2701.84	1737922.65	14512384.12	39°57'36.2575"N	80°39'7.3104"W	12210.16	167.216	2.14
18804.00	89.570	161.420	6469.72	12224.10	-11999.63	2732.87	1737952.93	14512292.01	39°57'35.3457"N	80°39'6.9261"W	12306.73	167.173	0.98
18900.00	89.080	161.220	6470.85	12320.08	-12090.66	2766.04	1737983.66	14512201.11	39°57'34.4458"N	80°39'6.5368"W	12402.23	167.128	0.55
18996.00	88.770	158.350	6472.65	12416.05	-12180.62	2796.04	1738016.81	14512111.08	39°57'33.5545"N	80°39'6.1144"W	12497.42	167.072	3.01
19093.00	89.630	160.940	6474.00	12513.02	-12271.55	2829.77	1738050.53	14512020.19	39°57'32.6547"N	80°39'5.6858"W	12593.59	167.015	2.81
19190.00	89.420	160.630	6474.81	12610.01	-12363.14	2861.69	1738082.44	14511928.63	39°57'31.7483"N	80°39'5.2804"W	12690.02	166.967	0.39
19286.00	90.550	161.330	6474.83	12706.01	-12453.90	2892.98	1738113.71	14511837.91	39°57'30.8502"N	80°39'4.8832"W	12785.50	166.922	1.38
19383.00	89.480	161.390	6474.81	12802.99	-12545.81	2923.98	1738144.70	14511746.04	39°57'29.9407"N	80°39'4.4897"W	12882.04	166.881	1.10



David Reinbeau MSH 206H awp Proj: 26618'

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Slot	206H		

WELLPATH DATA (286 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [ft/100ft]
19479.00	89.540	162.000	6475.63	12698.97	-12636.95	2954.13	17381774.84	14511654.93	39°57'29.0389"N	80°39'4.1071"W	12977.65	166.842	0.64
19575.00	88.830	159.670	6476.99	12994.95	-12727.61	2985.64	1738206.34	14511564.31	39°57'28.1417"N	80°39'3.7070"W	13073.11	166.798	2.54
19672.00	90.400	159.960	6477.64	13091.94	-12818.65	3019.11	1738239.79	14511473.30	39°57'27.2408"N	80°39'3.2818"W	13169.39	166.747	1.65
19769.00	89.480	160.420	6477.75	13188.94	-12909.91	3051.98	1738272.65	14511382.08	39°57'26.3377"N	80°39'2.8643"W	13265.76	166.699	1.06
19865.00	90.310	161.290	6477.92	13284.93	-13000.60	3083.46	1738304.12	14511291.43	39°57'25.4402"N	80°39'2.4645"W	13361.26	166.657	1.25
19962.00	89.290	160.410	6478.26	13381.93	-13092.23	3115.28	1738335.93	14511199.83	39°57'24.5335"N	80°39'2.0605"W	13457.76	166.615	1.39
20059.00	90.000	160.540	6478.86	13478.93	-13183.65	3147.70	1738368.34	14511108.45	39°57'23.6288"N	80°39'1.6488"W	13554.21	166.572	0.74
20155.00	89.290	159.660	6479.46	13574.92	-13273.91	3180.38	1738401.00	14511018.22	39°57'22.7355"N	80°39'1.2338"W	13649.60	166.526	1.18
20252.00	89.850	160.970	6480.18	13671.91	-13365.24	3213.05	1738433.66	14510926.93	39°57'21.8317"N	80°39'0.8188"W	13746.03	166.482	1.47
20348.00	90.030	160.970	6480.29	13767.91	-13455.99	3244.35	1738464.95	14510836.21	39°57'20.9336"N	80°39'0.4214"W	13841.59	166.444	0.19
20445.00	89.420	160.460	6480.75	13864.91	-13547.55	3276.39	1738496.97	14510744.69	39°57'20.0276"N	80°39'0.0147"W	13938.10	166.404	0.82
20542.00	89.320	160.310	6481.82	13961.90	-13638.91	3308.95	1738529.52	14510653.36	39°57'19.1235"N	80°38'59.6012"W	14034.57	166.363	0.19
20638.00	89.630	160.370	6482.70	14057.90	-13729.31	3341.24	1738561.80	14510563.00	39°57'18.2289"N	80°38'59.1910"W	14130.04	166.322	0.33
20734.00	89.850	160.590	6483.13	14153.90	-13819.79	3373.32	1738593.87	14510472.55	39°57'17.3334"N	80°38'58.7836"W	14225.54	166.283	0.32
20831.00	89.780	160.910	6483.45	14250.89	-13911.37	3405.30	1738625.84	14510381.01	39°57'16.4272"N	80°38'58.3776"W	14322.09	166.245	0.34
20927.00	89.290	161.140	6484.22	14346.89	-14002.15	3436.51	1738657.04	14510290.27	39°57'15.5289"N	80°38'57.9814"W	14417.69	166.211	0.56
21024.00	89.660	160.730	6485.11	14443.88	-14093.82	3468.20	1738688.71	14510198.63	39°57'14.6217"N	80°38'57.5792"W	14514.28	166.175	0.57
21121.00	89.630	160.360	6485.71	14540.88	-14185.28	3500.50	1738721.00	14510107.21	39°57'13.7166"N	80°38'57.1689"W	14610.81	166.138	0.38
21217.00	89.510	160.490	6486.44	14636.88	-14275.73	3532.67	1738753.15	14510016.79	39°57'12.8215"N	80°38'56.7605"W	14706.33	166.101	0.18
21314.00	89.230	158.430	6487.50	14733.85	-14366.56	3566.70	1738787.17	14509926.01	39°57'11.9226"N	80°38'56.3281"W	14802.68	166.057	2.14
21410.00	89.750	161.240	6488.36	14829.83	-14456.66	3599.79	1738820.24	14509835.94	39°57'11.0309"N	80°38'55.9078"W	14898.10	166.017	2.98
21507.00	90.030	161.410	6488.54	14926.82	-14548.55	3630.84	1738851.29	14509744.08	39°57'10.1216"N	80°38'55.5136"W	14994.78	165.987	0.34
21603.00	89.540	161.290	6488.90	15022.81	-14639.51	3661.54	1738881.98	14509653.16	39°57'9.2215"N	80°38'55.1240"W	15090.46	165.958	0.53
21699.00	89.690	161.410	6489.55	15118.79	-14730.47	3692.24	1738912.66	14509562.24	39°57'8.3215"N	80°38'54.7344"W	15186.15	165.929	0.20
21796.00	89.320	160.720	6490.39	15215.79	-14822.21	3723.72	1738944.13	14509470.53	39°57'7.4136"N	80°38'54.3349"W	15282.80	165.898	0.81
21892.00	89.750	161.340	6491.17	15311.78	-14913.00	3754.92	1738975.32	14509387.78	39°57'6.5152"N	80°38'53.9388"W	15378.46	165.867	0.79
21989.00	89.320	160.160	6491.95	15408.77	-15004.05	3786.90	1739007.29	14509288.24	39°57'5.6090"N	80°38'53.5328"W	15475.07	165.835	1.29
22086.00	90.060	161.020	6492.18	15505.77	-15096.57	3819.14	1739039.51	14509196.80	39°57'4.7037"N	80°38'53.1235"W	15571.66	165.803	1.17
22182.00	90.370	161.260	6492.42	15601.76	-15186.90	3850.17	1739070.53	14509105.99	39°57'3.8047"N	80°38'52.7297"W	15667.34	165.774	0.41
22278.00	89.820	160.610	6491.96	15697.76	-15277.63	3881.53	1739101.87	14509015.29	39°57'2.9069"N	80°38'52.3316"W	15763.00	165.745	0.89



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22375.00	90.090	160.830	6492.03	15794.76	-15369.19	3913.55	1739133.89	14508923.76	39°57'2.0008"N	80°38'51.9250"W	15859.63	165.714	0.36
22471.00	89.750	160.800	6492.17	15890.76	-15459.86	3945.10	1739165.42	14508833.13	39°57'1.1035"N	80°38'51.5246"W	15955.28	165.685	0.36
22568.00	89.420	159.650	6492.87	15987.75	-15551.13	3977.92	1739198.23	14508741.89	39°57'0.2002"N	80°38'51.1078"W	16051.84	165.652	1.23
22664.00	90.090	161.020	6493.28	16083.75	-15641.53	4010.22	1739230.52	14508651.53	39°56'59.3057"N	80°38'50.6976"W	16147.43	165.620	1.59
22761.00	89.750	160.820	6493.42	16180.80	-15733.20	4041.93	1739262.21	14508559.89	39°56'58.3985"N	80°38'50.2951"W	16244.10	165.592	0.41
22858.00	89.780	161.000	6493.81	16277.74	-15824.87	4073.65	1739293.93	14508468.27	39°56'57.4914"N	80°38'49.8924"W	16340.78	165.564	0.19
22954.00	89.420	160.080	6494.48	16373.74	-15915.38	4105.63	1739325.89	14508377.79	39°56'56.5957"N	80°38'49.4864"W	16436.41	165.535	1.03
23051.00	89.780	160.840	6495.16	16470.74	-16006.79	4138.08	1739358.32	14508286.41	39°56'55.6911"N	80°38'49.0745"W	16533.03	165.505	0.87
23148.00	89.630	160.900	6495.66	16567.73	-16098.43	4169.86	1739390.10	14508194.81	39°56'54.7842"N	80°38'48.6710"W	16629.71	165.478	0.17
23244.00	89.880	160.300	6496.07	16663.73	-16188.98	4201.75	1739421.97	14508104.29	39°56'53.8881"N	80°38'48.2662"W	16725.36	165.450	0.68
23340.00	90.090	160.840	6496.10	16759.73	-16279.51	4233.69	1739453.90	14508013.80	39°56'52.9922"N	80°38'47.8607"W	16821.02	165.422	0.60
23437.00	89.820	161.070	6496.17	16856.73	-16371.20	4265.34	1739485.54	14507922.14	39°56'52.0848"N	80°38'47.4590"W	16917.72	165.397	0.37
23533.00	89.940	160.740	6496.37	16952.73	-16461.92	4296.74	1739516.93	14507831.46	39°56'51.1871"N	80°38'47.0604"W	17013.43	165.372	0.37
23630.00	89.750	160.890	6496.64	17049.72	-16553.53	4328.92	1739548.79	14507739.89	39°56'50.2805"N	80°38'46.6558"W	17110.12	165.346	0.25
23726.00	89.750	161.070	6497.06	17145.72	-16644.29	4359.91	1739580.07	14507649.16	39°56'49.3824"N	80°38'46.2587"W	17205.85	165.321	0.19
23823.00	89.880	160.670	6497.37	17242.72	-16735.93	4391.69	1739611.84	14507557.56	39°56'48.4755"N	80°38'45.8552"W	17302.56	165.296	0.43
23919.00	89.910	160.540	6497.54	17338.72	-16826.48	4423.57	1739643.71	14507467.04	39°56'47.5794"N	80°38'45.4505"W	17398.24	165.271	0.14
24016.00	89.940	160.720	6497.67	17435.72	-16917.99	4455.74	1739675.87	14507375.57	39°56'46.6738"N	80°38'45.0421"W	17494.92	165.245	0.19
24113.00	89.690	160.540	6497.98	17532.72	-17009.50	4487.92	1739708.03	14507284.09	39°56'45.7682"N	80°38'44.6337"W	17591.61	165.219	0.32
24209.00	89.750	160.370	6498.45	17628.71	-17099.97	4520.03	1739740.43	14507193.66	39°56'44.8799"N	80°38'44.2260"W	17687.27	165.194	0.19
24306.00	89.940	161.530	6498.72	17725.71	-17191.66	4551.69	1739771.78	14507102.01	39°56'43.9656"N	80°38'43.8241"W	17784.01	165.171	1.21
24402.00	89.660	160.840	6499.05	17821.70	-17282.53	4582.65	1739802.72	14507011.18	39°56'43.0664"N	80°38'43.4313"W	17879.78	165.149	0.78
24499.00	90.060	160.840	6499.29	17918.70	-17374.15	4614.49	1739834.55	14506919.59	39°56'42.1597"N	80°38'43.0272"W	17976.50	165.126	0.41
24595.00	89.690	161.040	6499.50	18014.70	-17464.89	4645.84	1739866.89	14506828.89	39°56'41.2617"N	80°38'42.6293"W	18072.25	165.104	0.44
24692.00	89.600	160.360	6500.10	18111.69	-17556.43	4677.90	1739897.93	14506737.38	39°56'40.3566"N	80°38'42.2224"W	18168.96	165.080	0.71
24789.00	89.630	160.550	6500.75	18208.69	-17647.84	4710.35	1739930.37	14506646.00	39°56'39.4512"N	80°38'41.8104"W	18265.64	165.056	0.20
24885.00	89.690	160.280	6501.32	18304.69	-17738.29	4742.53	1739962.54	14506555.59	39°56'38.5561"N	80°38'41.4019"W	18361.33	165.031	0.29
24982.00	89.570	160.650	6501.95	18401.69	-17829.70	4774.96	1739994.96	14506464.22	39°56'37.6515"N	80°38'40.9901"W	18458.02	165.007	0.40
25078.00	89.660	160.340	6502.59	18497.69	-17920.19	4807.01	1740027.00	14506373.76	39°56'36.7560"N	80°38'40.5832"W	18553.72	164.984	0.34
25175.00	89.480	159.860	6503.32	18594.68	-18011.40	4840.03	1740060.00	14506282.59	39°56'35.8533"N	80°38'40.1640"W	18650.37	164.959	0.53

Actual Wellpath Report
 David Reinbeau MSH 206H awp Proj: 26618'
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06/14/2024

REFERENCE WELLPATH IDENTIFICATION

Operator	SWN PRODUCTION COMPANY, LLC	Well	David Reinbeau MSH 206H
Field	Marshall	API	47051025010000
Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 206H AWB
Slot	206H		

WELLPATH DATA (286 stations) † = interpolated, ‡ = extrapolated station

MID	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]
25271.00	89.290	160.530	6504.35	18890.67	-18101.71	4872.55	1740092.51	14506192.31	39°56'34.9595"N	80°38'39.7511"W	18746.03	164.934	0.73
25368.00	89.320	161.050	6505.53	18787.66	-18193.30	4904.47	1740124.41	14506100.76	39°56'34.0531"N	80°38'39.3460"W	18842.77	164.913	0.54
25464.00	88.860	160.710	6507.05	18883.65	-18284.00	4935.91	1740155.84	14506010.10	39°56'33.1556"N	80°38'38.9470"W	18938.52	164.893	0.60
25561.00	89.320	160.750	6508.59	18980.64	-18375.55	4967.92	1740187.84	14505918.58	39°56'32.2496"N	80°38'38.5407"W	19035.26	164.871	0.48
25657.00	89.510	160.850	6509.57	19076.63	-18466.20	4999.48	1740219.39	14505827.96	39°56'31.3525"N	80°38'38.1401"W	19131.01	164.851	0.22
25754.00	89.570	160.620	6510.35	19173.63	-18557.77	5031.49	1740251.38	14505736.43	39°56'30.4463"N	80°38'37.7339"W	19227.76	164.830	0.25
25851.00	89.260	160.490	6511.34	19270.62	-18649.23	5063.78	1740283.66	14505645.01	39°56'29.5412"N	80°38'37.3240"W	19324.48	164.809	0.35
25947.00	89.630	160.760	6512.27	19366.62	-18739.79	5095.62	1740315.50	14505554.48	39°56'28.6450"N	80°38'36.9198"W	19420.23	164.788	0.48
26044.00	89.350	160.550	6513.13	19463.61	-18831.31	5127.75	1740347.61	14505463.00	39°56'27.7393"N	80°38'36.5120"W	19516.97	164.768	0.36
26140.00	89.320	160.110	6514.25	19559.60	-18921.70	5160.07	1740379.91	14505372.64	39°56'26.8448"N	80°38'36.1018"W	19612.68	164.746	0.46
26237.00	90.060	161.380	6514.77	19656.60	-19013.27	5192.05	1740411.89	14505281.11	39°56'25.9386"N	80°38'35.6958"W	19709.44	164.726	1.52
26333.00	89.450	160.690	6515.18	19752.59	-19104.06	5223.25	1740443.07	14505190.36	39°56'25.0402"N	80°38'35.3000"W	19805.24	164.708	0.96
26430.00	90.060	160.390	6515.60	19849.59	-19195.52	5255.57	1740475.38	14505098.94	39°56'24.1351"N	80°38'34.8898"W	19901.98	164.688	0.70
26526.00	89.910	160.930	6515.62	19945.59	-19286.10	5287.36	1740507.16	14505008.39	39°56'23.2386"N	80°38'34.4863"W	19997.74	164.669	0.58
26593.00	89.690	160.550	6515.86	20012.59	-19349.35	5309.46	1740529.25	14504945.16	39°56'22.6127"N	80°38'34.2058"W	20064.59	164.656	0.66
26618.00#	89.690	160.550	6515.99	20037.59	-19372.92	5317.78	1740537.57	14504921.60	39°56'22.3794"N	80°38'34.1001"W	20089.52	164.651	0.00

HOLE & CASING SECTIONS - Ref Wellbore: David Reinbeau MSH 206H AWB Ret Wellpath: David Reinbeau MSH 206H awp Proj: 26618'

String/Diameter	Start MID	End MID	Interval	Start TVD	End TVD	Start N/S	Start E/W	End N/S	End E/W
	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]
13.375in Casing	26.00	497.00	471.00	26.00	496.99	0.00	0.00	-1.34	-1.99
9.625in Casing	26.00	2091.00	2065.00	26.00	2075.05	0.00	0.00	118.39	-125.58
505in Casing	26.00	26618.00	26592.00	26.00	6515.99	0.00	0.00	-19372.92	5317.78

RECEIVED
Office of Oil and Gas
APR 05 2024
Environmental Protection Department of
David Reinbeau MSH 206H awp Proj: 26618'

Actual Wellpath Report

REFERENCE WELLPATH IDENTIFICATION

Operator	SWN PRODUCTION COMPANY, LLC	Well	David Reinbeau MSH 206H
Field	Marshall	API	47051025010000
Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 206H AWB
Slot	206H		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
David Reinbeau MSH 206H LP rev3	6364.00	-807.54	-1213.69	1734008.66	14523479.71	39°59'26.0983"N	80°39'57.0597"W	point
David Reinbeau MSH 206H BHL rev 1	6492.00	-19368.83	5329.24	1740549.02	14504925.69	39°56'22.4194"N	80°38'33.9528"W	point

WELLPATH COMPOSITION - Ref Wellbore: David Reinbeau MSH 206H AWB Ref Wellpath: David Reinbeau MSH 206H awp Proj: 26618'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
26.00	450.00	Gyrodata 2015 - GC+WIR+DPIPE	1 Imported Gyro 17.5" 50' - 450'	David Reinbeau MSH 206H AWB	8/6/2023
450.00	992.00	Gyrodata 2015 - GC+WIR+DPIPE	2 Imported Gyro 12.25" 500' - 992'	David Reinbeau MSH 206H AWB	8/6/2023
992.00	2022.00	OWSG MWD rev2 + HRGM	3 Tally MWD HRGM 12.25" 1151' - 2022'	David Reinbeau MSH 206H AWB	8/6/2023
2022.00	5705.00	OWSG MWD rev2 + HRGM	4 Tally MWD HRGM 8.75" 2160' - 5705'	David Reinbeau MSH 206H AWB	8/6/2023
5705.00	26618.00	BH AutoTrak Curve/Xpress (2019) (HRGM, Short spacing)	5 BH ATC MWD HRGM Short spacing 8.5' 5804' - 26593'	David Reinbeau MSH 206H AWB	8/6/2023