



SWN PRODUCTION COMPANY, LLC



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

Slot: 606H
Well: David Reinbeau MSH 606H
Wellbore: David Reinbeau MSH 606H AWB

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
606H	26.78	-11.38	1735207.290	14524273.180	39°59'33.8980"N	80°39'41.6152"W

SDC 40 (KB) to Ground level (At Slot: 606H) 26ft
Mean Sea Level to Ground level (At Slot: 606H) -1251.2ft
SDC 40 (KB) to Mean Sea Level 1277.2ft

Plot reference wellpath is David Reinbeau MSH 606H awp Proj: 24610' Grid System: NAD83 / UTM Zone 17 North, US feet
True vertical depths are referenced to SDC 40 (KB) North Reference: Grid north
Reference wellpath measured depths are referenced to SDC 40 (KB) Scale: True distance
SDC 40 (KB) to Mean Sea Level: 1277.2 feet Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: 606H): -1251.2 feet Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum Created by: tranlam on 2023-09-11; Database: WA_MPL_EASTERNUS_Defn

Bottom Hole Location

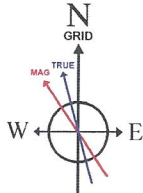
MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
24610.00	89.750	160.740	6477.92	-17326.26	3046.10	1738252.20	14506953.70	39°56'42.5586"N	80°39'3.3496"W

API: 47051025020000
BH JOB: 111918587
DURATION: 9/2/2023 - 9/7/2023
RIG: SDC 40

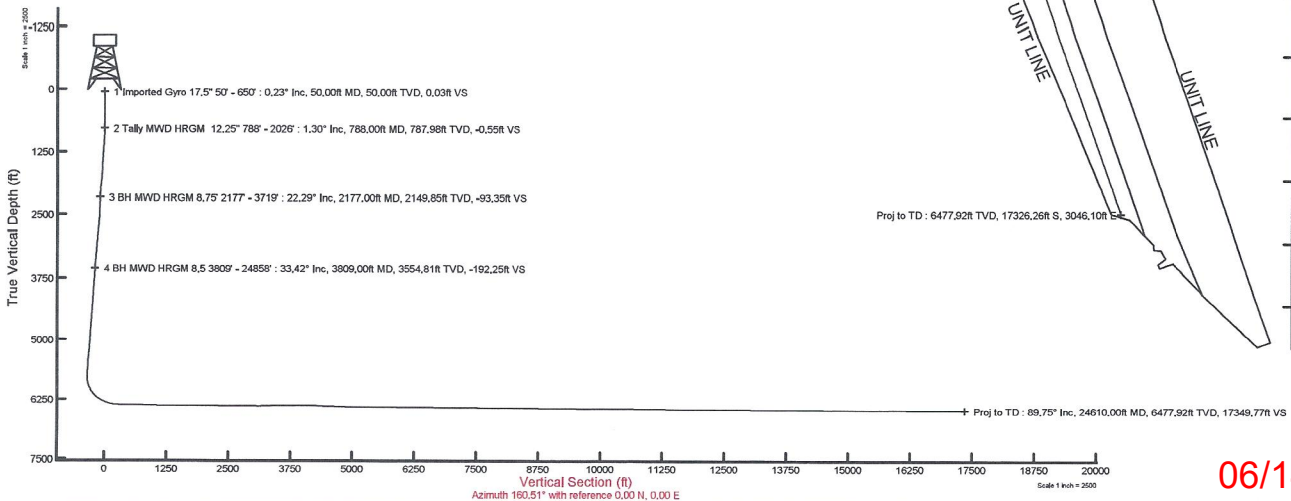
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HDGM2023 (1900.0 to 2024.0) Dip: 66.76° Field: 52031.1 nT
Magnetic North is 8.15 degrees West of True North (at 8/29/2023)
Grid North is 0.22 degrees East of True North
To correct azimuth from True to Grid subtract 0.22 degrees
To correct azimuth from Magnetic to Grid subtract 8.37 degrees



06/14/2024



Actual Wellpath Report

David Reinbeau MSH 606H awp Proj: 24610'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	David Reinbeau MSH 606H
Field	Marshall	API	47051025020000
Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 606H AWB
Slot	606H		

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	9/11/2023 at 9:37:45 AM
Convergence at slot	0.22° 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	26.78	-11.38	1735207.29	14524273.18	39°59'33.8980"N	80°39'41.6152"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 40 (KB) to Facility Vertical Datum	1277.20ft
Horizontal Reference Pt	Slot	SDC 40 (KB) to Mean Sea Level	1277.20ft
Vertical Reference Pt	SDC 40 (KB)	SDC 40 (KB) to Ground Level at Slot (606H)	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	160.51°



Actual Wellpath Report

David Reinbeau MSH 606H awp Proj: 24610'
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Field	Marshall	API	47051025020000
Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 606H AWB
Slot	606H		

WELLPATH DATA (267 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	218.820	0.00	0.00	0.00	0.00	1735207.29	14524273.18	39°59'33.8980"N	80°39'41.6152"W	0.00	0.000	0.00
26.00	0.000	218.820	26.00	0.00	0.00	0.00	1735207.29	14524273.18	39°59'33.8980"N	80°39'41.6152"W	0.00	0.000	0.00
50.00	0.230	218.820	50.00	0.03	-0.04	-0.03	1735207.26	14524273.14	39°59'33.8976"N	80°39'41.6156"W	0.05	218.820	0.96
100.00	0.310	233.580	100.00	0.12	-0.20	-0.20	1735207.09	14524272.98	39°59'33.8960"N	80°39'41.6178"W	0.28	225.853	0.21
150.00	0.360	247.700	150.00	0.16	-0.34	-0.46	1735206.83	14524272.84	39°59'33.8947"N	80°39'41.6211"W	0.57	233.628	0.19
200.00	0.300	249.650	200.00	0.17	-0.44	-0.72	1735206.57	14524272.74	39°59'33.8936"N	80°39'41.6246"W	0.85	238.657	0.12
250.00	0.300	247.810	250.00	0.18	-0.54	-0.97	1735206.32	14524272.64	39°59'33.8927"N	80°39'41.6277"W	1.11	241.028	0.02
300.00	0.300	253.390	300.00	0.18	-0.62	-1.21	1735206.08	14524272.56	39°59'33.8918"N	80°39'41.6309"W	1.37	242.853	0.06
350.00	0.130	249.440	350.00	0.18	-0.68	-1.39	1735205.90	14524272.50	39°59'33.8913"N	80°39'41.6332"W	1.55	243.978	0.34
400.00	0.100	265.240	400.00	0.17	-0.70	-1.49	1735205.80	14524272.48	39°59'33.8911"N	80°39'41.6344"W	1.65	244.716	0.09
450.00	0.130	277.130	450.00	0.13	-0.70	-1.59	1735205.70	14524272.48	39°59'33.8911"N	80°39'41.6357"W	1.74	246.224	0.08
500.00	0.090	229.630	500.00	0.12	-0.72	-1.68	1735205.61	14524272.46	39°59'33.8909"N	80°39'41.6368"W	1.82	246.787	0.19
550.00	0.090	250.750	550.00	0.13	-0.76	-1.74	1735205.55	14524272.42	39°59'33.8905"N	80°39'41.6377"W	1.90	246.520	0.07
600.00	0.360	254.930	600.00	0.12	-0.81	-1.93	1735205.36	14524272.37	39°59'33.8900"N	80°39'41.6401"W	2.09	247.227	0.54
650.00	0.480	250.160	649.99	0.11	-0.92	-2.28	1735205.01	14524272.26	39°59'33.8889"N	80°39'41.6446"W	2.46	247.967	0.25
788.00	1.300	275.450	787.98	-0.55	-0.97	-4.38	1735202.91	14524272.21	39°59'33.8885"N	80°39'41.6716"W	4.49	257.515	0.64
880.00	3.190	290.770	879.90	-2.64	0.04	-7.82	1735199.48	14524273.22	39°59'33.8986"N	80°39'41.7156"W	7.82	270.269	2.14
970.00	5.210	295.260	969.66	-7.14	2.67	-13.85	1735193.44	14524275.85	39°59'33.9248"N	80°39'41.7931"W	14.11	280.904	2.27
1062.00	7.240	292.370	1061.11	-13.95	6.66	-22.99	1735184.31	14524279.84	39°59'33.9646"N	80°39'41.9103"W	23.94	286.149	2.23
1152.00	7.920	290.060	1150.32	-21.68	10.94	-34.06	1735173.24	14524284.12	39°59'34.0074"N	80°39'42.0523"W	35.78	287.811	0.83
1244.00	7.540	285.900	1241.49	-29.21	14.77	-45.82	1735161.49	14524287.95	39°59'34.0456"N	80°39'42.2032"W	48.14	287.868	0.73
1334.00	8.270	278.170	1330.63	-35.64	17.31	-57.91	1735149.41	14524290.48	39°59'34.0712"N	80°39'42.3584"W	60.44	286.642	1.43
1425.00	8.620	272.770	1420.65	-41.26	18.57	-71.20	1735136.12	14524291.74	39°59'34.0841"N	80°39'42.5291"W	73.58	284.617	0.95
1516.00	7.540	268.880	1510.74	-45.72	18.78	-83.98	1735123.34	14524291.95	39°59'34.0867"N	80°39'42.6933"W	86.05	282.606	1.33
1606.00	6.980	273.400	1600.02	-49.71	18.99	-95.34	1735111.99	14524292.16	39°59'34.0892"N	80°39'42.8393"W	97.21	281.265	0.89
1697.00	8.510	278.520	1690.19	-55.02	20.32	-107.52	1735099.81	14524293.49	39°59'34.1028"N	80°39'42.9957"W	109.42	280.700	1.84
1788.00	11.650	278.660	1779.78	-62.52	22.70	-123.27	1735084.07	14524295.87	39°59'34.1269"N	80°39'43.1979"W	125.34	280.433	3.45
1880.00	15.470	274.930	1869.20	-71.98	25.15	-144.68	1735062.66	14524298.32	39°59'34.1519"N	80°39'43.4729"W	146.85	279.862	4.26
1970.00	18.030	268.330	1955.38	-81.21	25.78	-170.57	1735036.79	14524298.95	39°59'34.1591"N	80°39'43.8055"W	172.51	278.594	3.54
2026.00	18.890	262.260	2008.50	-85.71	24.30	-188.22	1735019.15	14524297.47	39°59'34.1452"N	80°39'44.0323"W	189.78	277.358	3.76

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Field	Marshall	API	47051025020000
Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 606H AWB
Slot	606H		

WELLPATH DATA (267 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]
2177.00	22.290	255.840	2149.85	-93.35	14.00	-240.23	1734967.16	14524287.18	39°59'34.0453"N	80°39'44.7010"W	240.63	273.336	2.70
2267.00	22.340	255.940	2233.11	-96.55	5.67	-273.37	1734934.03	14524278.85	39°59'33.9642"N	80°39'45.1272"W	273.43	271.188	0.07
2358.00	22.090	255.370	2317.36	-99.64	-2.85	-306.70	1734900.71	14524270.33	39°59'33.8813"N	80°39'45.5559"W	306.71	269.467	0.36
2448.00	23.550	254.390	2400.31	-102.29	-11.97	-340.39	1734867.03	14524261.22	39°59'33.7925"N	80°39'45.9892"W	340.60	267.987	1.68
2539.00	26.170	255.880	2482.87	-105.40	-21.75	-377.37	1734830.07	14524251.43	39°59'33.6971"N	80°39'46.4648"W	378.00	266.701	2.96
2630.00	28.380	256.290	2563.75	-109.45	-31.78	-417.85	1734789.61	14524241.42	39°59'33.5996"N	80°39'46.9853"W	419.05	265.651	2.44
2720.00	30.550	258.500	2642.11	-114.79	-41.41	-461.05	1734746.42	14524231.79	39°59'33.5060"N	80°39'47.5409"W	462.90	264.868	2.70
2812.00	31.650	259.170	2720.88	-121.67	-50.61	-507.67	1734699.82	14524222.59	39°59'33.4169"N	80°39'48.1403"W	510.18	264.307	1.25
2902.00	31.760	258.640	2797.45	-128.58	-59.71	-554.08	1734653.42	14524213.50	39°59'33.3286"N	80°39'48.7371"W	557.29	263.850	0.33
2993.00	31.840	258.550	2874.79	-135.32	-69.19	-601.09	1734606.44	14524204.02	39°59'33.2367"N	80°39'49.3415"W	605.06	263.434	0.10
3084.00	33.680	258.630	2951.31	-142.24	-78.93	-649.36	1734558.19	14524194.28	39°59'33.1422"N	80°39'49.9621"W	654.13	263.070	2.02
3174.00	33.670	258.310	3026.21	-149.16	-88.90	-698.25	1734509.31	14524184.31	39°59'33.0455"N	80°39'50.5908"W	703.89	262.744	0.20
3265.00	33.760	258.010	3101.91	-155.88	-99.27	-747.69	1734459.90	14524173.95	39°59'32.9449"N	80°39'51.2265"W	754.25	262.437	0.21
3356.00	33.680	258.020	3177.60	-162.48	-109.76	-797.10	1734410.50	14524163.46	39°59'32.8431"N	80°39'51.8619"W	804.62	262.160	0.09
3446.00	33.740	258.550	3252.46	-169.24	-119.90	-846.01	1734361.61	14524153.33	39°59'32.7447"N	80°39'52.4907"W	854.47	261.934	0.33
3538.00	33.620	258.190	3329.02	-176.21	-130.19	-895.98	1734311.66	14524143.05	39°59'32.6449"N	80°39'53.1333"W	905.39	261.733	0.25
3628.00	33.570	256.590	3403.99	-182.18	-141.06	-944.58	1734263.08	14524132.18	39°59'32.5393"N	80°39'53.7581"W	955.05	261.507	0.99
3719.00	33.640	256.530	3479.78	-187.49	-152.76	-993.56	1734214.12	14524120.48	39°59'32.4254"N	80°39'54.3881"W	1005.24	261.259	0.09
3809.00	33.420	255.480	3554.81	-192.25	-164.78	-1041.80	1734165.90	14524108.46	39°59'32.3084"N	80°39'55.0084"W	1054.75	261.012	0.69
3899.00	33.770	256.460	3629.77	-196.99	-176.85	-1090.11	1734117.61	14524096.40	39°59'32.1909"N	80°39'55.6297"W	1104.36	260.785	0.72
3990.00	33.480	256.550	3705.55	-202.25	-188.61	-1139.11	1734068.62	14524084.64	39°59'32.0765"N	80°39'56.2598"W	1154.62	260.598	0.32
4080.00	33.770	256.430	3780.49	-207.44	-200.26	-1187.57	1734020.18	14524073.00	39°59'31.9632"N	80°39'56.8830"W	1204.34	260.428	0.33
4170.00	34.340	256.540	3855.05	-212.69	-212.03	-1236.57	1733971.20	14524061.23	39°59'31.8487"N	80°39'57.5132"W	1254.62	260.270	0.64
4261.00	34.510	256.800	3930.12	-218.21	-223.89	-1286.63	1733921.16	14524049.37	39°59'31.7333"N	80°39'58.1569"W	1305.97	260.128	0.25
4352.00	34.570	256.180	4005.08	-223.58	-235.95	-1336.80	1733871.01	14524037.32	39°59'31.6161"N	80°39'58.8020"W	1357.46	259.990	0.39
4442.00	34.620	256.040	4079.16	-228.57	-248.21	-1386.40	1733821.43	14524025.06	39°59'31.4967"N	80°39'59.4399"W	1408.45	259.850	0.10
4533.00	34.510	256.920	4154.10	-233.94	-260.28	-1436.60	1733771.25	14524013.00	39°59'31.3792"N	80°40'0.0855"W	1459.99	259.730	0.56
4624.00	34.370	256.190	4229.15	-239.36	-272.25	-1486.65	1733721.22	14524001.04	39°59'31.2628"N	80°40'0.7291"W	1511.38	259.622	0.48
4714.00	34.320	256.500	4303.46	-244.52	-284.24	-1535.99	1733671.90	14523989.05	39°59'31.1462"N	80°40'1.3636"W	1562.07	259.516	0.20
4805.00	34.280	256.150	4378.63	-249.72	-296.36	-1585.82	1733622.09	14523976.94	39°59'31.0282"N	80°40'2.0044"W	1613.28	259.415	0.22



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Slot	606H		

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4897.00	34.470	256.440	4454.57	-254.95	-308.67	-1636.29	1733571.64	14523964.63	39°59'30.9085"N	80°40'2.6533"W	1665.14	259.317	0.27
4988.00	34.000	256.090	4529.80	-260.09	-320.82	-1686.02	1733521.93	14523952.48	39°59'30.7902"N	80°40'3.2929"W	1716.27	259.226	0.56
5079.00	34.330	256.290	4605.10	-265.15	-333.02	-1735.64	1733472.33	14523940.29	39°59'30.6715"N	80°40'3.9311"W	1767.30	259.139	0.38
5170.00	33.210	257.290	4680.74	-270.67	-344.58	-1784.88	1733423.10	14523928.73	39°59'30.5590"N	80°40'4.5643"W	1817.84	259.073	1.37
5260.00	33.730	257.140	4755.82	-276.47	-355.57	-1833.29	1733374.72	14523917.75	39°59'30.4522"N	80°40'5.1867"W	1867.45	259.024	0.59
5351.00	33.380	256.280	4831.65	-281.90	-367.13	-1882.24	1733325.79	14523906.19	39°59'30.3398"N	80°40'5.8162"W	1917.71	258.963	0.65
5441.00	34.150	256.410	4906.47	-286.99	-378.94	-1930.85	1733277.20	14523894.39	39°59'30.2249"N	80°40'6.4412"W	1967.68	258.897	0.86
5532.00	34.220	256.740	4981.75	-292.39	-390.81	-1980.58	1733227.49	14523882.52	39°59'30.1094"N	80°40'7.0808"W	2018.77	258.838	0.22
5623.00	34.280	256.350	5056.97	-297.77	-402.73	-2030.39	1733177.70	14523870.61	39°59'29.9935"N	80°40'7.7213"W	2069.94	258.781	0.25
5713.00	34.240	256.380	5131.35	-302.94	-414.67	-2079.63	1733128.48	14523858.67	39°59'29.8772"N	80°40'8.3545"W	2120.57	258.723	0.05
5805.00	34.110	257.000	5207.47	-308.51	-426.57	-2129.92	1733078.21	14523846.78	39°59'29.7615"N	80°40'9.0011"W	2172.21	258.675	0.40
5895.00	33.980	257.540	5282.04	-314.44	-437.67	-2179.06	1733029.08	14523835.68	39°59'29.6536"N	80°40'9.6331"W	2222.58	258.643	0.37
5987.00	33.440	258.930	5358.57	-321.29	-448.08	-2229.05	1732979.12	14523825.27	39°59'29.5525"N	80°40'10.2758"W	2273.64	258.634	1.02
6078.00	34.260	255.520	5434.15	-327.20	-459.30	-2278.46	1732929.72	14523814.06	39°59'29.4434"N	80°40'10.9112"W	2324.29	258.603	2.27
6178.00	34.170	254.500	5516.85	-331.62	-473.85	-2332.77	1732875.43	14523799.52	39°59'29.3017"N	80°40'11.6097"W	2380.41	258.518	0.58
6274.00	33.930	254.930	5596.39	-335.56	-488.02	-2384.62	1732823.60	14523785.35	39°59'29.1636"N	80°40'12.2765"W	2434.05	258.434	0.35
6371.00	34.440	255.020	5676.63	-339.80	-502.15	-2437.26	1732770.98	14523771.23	39°59'29.0259"N	80°40'12.9535"W	2488.45	258.358	0.53
6468.00	32.640	255.310	5757.48	-344.15	-515.87	-2489.07	1732719.20	14523757.51	39°59'28.8921"N	80°40'13.6197"W	2541.96	258.291	1.86
6564.00	34.510	247.330	5837.50	-344.80	-532.93	-2539.23	1732669.05	14523740.46	39°59'28.7254"N	80°40'14.2651"W	2594.55	258.147	4.99
6660.00	34.620	234.020	5916.66	-335.54	-559.47	-2586.46	1732621.84	14523713.93	39°59'28.4648"N	80°40'14.8731"W	2646.28	257.795	7.85
6757.00	37.450	220.350	5995.23	-312.86	-598.20	-2627.93	1732580.39	14523675.21	39°59'28.0836"N	80°40'15.4077"W	2695.15	257.176	8.77
6853.00	41.190	206.400	6069.63	-276.11	-648.88	-2660.96	1732547.37	14523624.55	39°59'27.5840"N	80°40'15.8345"W	2738.93	256.296	9.98
6950.00	46.650	197.210	6139.54	-225.51	-711.29	-2685.64	1732522.70	14523562.17	39°59'26.9681"N	80°40'16.1546"W	2778.23	255.166	8.64
7046.00	52.950	187.180	6201.57	-163.14	-782.82	-2700.79	1732507.56	14523490.67	39°59'26.2618"N	80°40'16.3526"W	2811.95	253.836	10.32
7143.00	60.130	180.940	6255.05	-88.99	-863.43	-2706.33	1732502.02	14523410.08	39°59'25.4653"N	80°40'16.4276"W	2840.73	252.305	9.14
7239.00	66.390	173.660	6298.27	-6.98	-948.94	-2702.15	1732506.20	14523324.61	39°59'24.6202"N	80°40'16.3779"W	2863.93	250.650	9.40
7336.00	73.350	169.550	6331.64	82.32	-1038.95	-2688.79	1732519.55	14523234.64	39°59'23.7302"N	80°40'16.2106"W	2882.54	248.873	8.20
7433.00	79.950	165.080	6354.04	175.97	-1130.94	-2668.04	1732540.30	14523142.68	39°59'22.8204"N	80°40'15.9483"W	2897.83	247.029	8.15
7529.00	88.520	161.810	6363.68	271.25	-1222.39	-2640.83	1732567.50	14523051.27	39°59'21.9157"N	80°40'15.6031"W	2910.02	245.161	9.55
7626.00	89.050	160.630	6365.73	368.22	-1314.20	-2609.61	1732598.70	14522959.49	39°59'21.0072"N	80°40'15.2063"W	2921.85	243.270	1.33



Actual Wellpath Report

David Reinbeau MSH 606H awp Proj: 24610'
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Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 606H AWB
Slot	606H		

WELLPATH DATA (267 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]
7722.00	89.080	160.580	6367.30	464.21	-1404.74	-2577.73	1732630.57	14522868.99	39°59'20.1113"N	80°40'14.8011"W	2935.65	241.412	0.06
7821.00	89.380	158.820	6368.63	563.19	-1497.58	-2543.39	1732664.89	14522776.18	39°59'19.1926"N	80°40'14.3643"W	2951.54	239.510	1.80
7918.00	88.770	157.520	6370.20	660.09	-1587.61	-2507.33	1732700.94	14522686.19	39°59'18.3016"N	80°40'13.9052"W	2967.69	237.658	1.48
8014.00	89.140	159.830	6371.95	756.02	-1677.02	-2472.42	1732735.83	14522596.82	39°59'17.4167"N	80°40'13.4611"W	2987.52	235.851	2.44
8111.00	88.950	159.440	6373.56	852.99	-1767.94	-2438.67	1732769.57	14522505.93	39°59'16.5170"N	80°40'13.0318"W	3012.10	234.059	0.45
8207.00	89.260	159.920	6375.06	948.97	-1857.96	-2405.34	1732802.89	14522415.95	39°59'15.6262"N	80°40'12.6078"W	3039.35	232.316	0.60
8304.00	89.380	159.450	6376.21	1045.96	-1948.92	-2371.67	1732836.55	14522325.03	39°59'14.7261"N	80°40'12.1795"W	3069.70	230.588	0.50
8401.00	89.260	158.920	6377.37	1142.92	-2039.58	-2337.20	1732871.01	14522234.40	39°59'13.8289"N	80°40'11.7410"W	3102.00	228.890	0.56
8497.00	89.480	159.240	6378.42	1238.89	-2129.25	-2302.92	1732905.27	14522144.77	39°59'12.9415"N	80°40'11.3050"W	3136.42	227.244	0.40
8594.00	89.970	159.610	6378.89	1335.87	-2220.06	-2268.84	1732939.34	14522053.99	39°59'12.0428"N	80°40'10.8713"W	3174.31	225.623	0.63
8690.00	89.880	162.070	6379.01	1431.86	-2310.73	-2237.33	1732970.84	14521963.35	39°59'11.1456"N	80°40'10.4709"W	3216.38	224.075	2.56
8786.00	89.910	161.810	6379.19	1527.83	-2402.00	-2207.57	1733000.59	14521872.12	39°59'10.2426"N	80°40'10.0929"W	3262.36	222.585	0.27
8883.00	89.820	161.490	6379.42	1624.81	-2494.07	-2177.03	1733031.11	14521780.09	39°59'9.3316"N	80°40'9.7050"W	3310.57	221.117	0.34
8980.00	89.660	161.840	6379.86	1721.79	-2586.14	-2146.52	1733061.61	14521688.05	39°59'8.4206"N	80°40'9.3174"W	3360.90	219.693	0.40
9076.00	89.260	161.110	6380.76	1817.77	-2677.16	-2116.02	1733092.10	14521597.06	39°59'7.5200"N	80°40'8.9299"W	3412.44	218.323	0.87
9173.00	89.510	161.130	6381.80	1914.76	-2768.94	-2084.63	1733123.47	14521505.32	39°59'6.6119"N	80°40'8.5311"W	3465.94	216.975	0.26
9269.00	89.480	161.460	6382.65	2010.74	-2859.87	-2053.85	1733154.25	14521414.43	39°59'5.7122"N	80°40'8.1399"W	3520.95	215.684	0.35
9366.00	89.630	161.600	6383.40	2107.73	-2951.87	-2023.12	1733184.96	14521322.47	39°59'4.8019"N	80°40'7.7495"W	3578.62	214.426	0.21
9463.00	89.750	161.550	6383.93	2204.71	-3043.89	-1992.46	1733215.61	14521230.48	39°59'3.8913"N	80°40'7.3601"W	3638.02	213.208	0.13
9559.00	89.320	161.190	6384.71	2300.69	-3134.86	-1961.79	1733246.27	14521139.55	39°59'2.9912"N	80°40'6.9704"W	3698.10	212.038	0.58
9656.00	89.660	161.280	6385.57	2397.68	-3226.70	-1930.59	1733277.46	14521047.74	39°59'2.0825"N	80°40'6.5740"W	3760.16	210.893	0.36
9752.00	89.480	161.650	6386.29	2493.67	-3317.72	-1900.07	1733307.96	14520956.76	39°59'1.1819"N	80°40'6.1863"W	3823.29	209.800	0.43
9849.00	89.750	162.970	6386.94	2590.61	-3410.13	-1870.60	1733337.42	14520864.39	39°59'0.2676"N	80°40'5.8121"W	3889.49	208.747	1.39
9945.00	89.910	161.560	6387.23	2686.57	-3501.56	-1841.36	1733366.65	14520772.99	39°58'59.3630"N	80°40'5.4408"W	3956.20	207.738	1.48
10042.00	89.970	161.010	6387.33	2783.56	-3593.43	-1810.24	1733397.76	14520681.16	39°58'58.4539"N	80°40'5.0454"W	4023.64	206.737	0.57
10139.00	89.600	161.480	6387.69	2880.55	-3685.28	-1779.05	1733428.94	14520589.34	39°58'57.5451"N	80°40'4.6491"W	4092.23	205.769	0.62
10235.00	89.750	161.490	6388.24	2976.53	-3776.31	-1748.56	1733459.41	14520498.35	39°58'56.6444"N	80°40'4.2619"W	4161.49	204.846	0.16
10332.00	89.450	161.430	6388.91	3073.52	-3868.27	-1717.72	1733490.24	14520406.42	39°58'55.7345"N	80°40'3.8701"W	4232.51	203.944	0.32
10428.00	90.740	162.460	6388.76	3169.48	-3959.54	-1687.97	1733519.98	14520315.19	39°58'54.8314"N	80°40'3.4922"W	4304.33	203.089	1.72
10525.00	91.390	161.610	6386.95	3266.43	-4051.80	-1658.06	1733549.88	14520222.97	39°58'53.9186"N	80°40'3.1124"W	4377.92	202.255	1.10

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Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 606H AWB
Slot	606H		

WELLPATH DATA (267 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]
10621.00	91.630	161.800	6384.42	3362.38	-4142.91	-1627.93	1733580.00	14520131.89	39°58'53.0171"N	80°40'2.7298"W	4451.28	201.452	0.32
10718.00	91.140	162.390	6382.08	3459.31	-4235.19	-1598.12	1733609.80	14520039.65	39°58'52.1041"N	80°40'2.3512"W	4526.68	200.674	0.79
10814.00	91.020	160.690	6380.27	3555.27	-4326.23	-1567.73	1733640.18	14519948.65	39°58'51.2033"N	80°40'1.9652"W	4601.52	199.919	1.77
10911.00	90.370	161.840	6379.09	3652.26	-4418.08	-1536.58	1733671.32	14519856.83	39°58'50.2944"N	80°40'1.5694"W	4677.66	199.177	1.36
11008.00	90.030	161.100	6378.75	3749.24	-4510.05	-1505.75	1733702.13	14519764.90	39°58'49.3844"N	80°40'1.1778"W	4754.77	198.462	0.84
11104.00	90.000	161.380	6378.73	3845.23	-4600.95	-1474.88	1733732.99	14519674.03	39°58'48.4850"N	80°40'0.7856"W	4831.56	197.774	0.29
11201.00	90.280	161.650	6378.49	3942.22	-4692.94	-1444.12	1733763.73	14519582.07	39°58'47.5747"N	80°40'0.3949"W	4910.11	197.104	0.40
11298.00	89.750	160.880	6378.47	4039.21	-4784.80	-1412.97	1733794.88	14519490.25	39°58'46.6658"N	80°39'59.9991"W	4989.07	196.452	0.96
11394.00	88.800	161.510	6379.68	4135.19	-4875.67	-1382.02	1733825.81	14519399.42	39°58'45.7667"N	80°39'59.6060"W	5067.76	195.826	1.19
11491.00	87.540	161.440	6382.78	4232.13	-4967.60	-1351.22	1733856.60	14519307.53	39°58'44.8571"N	80°39'59.2147"W	5148.09	195.217	1.30
11588.00	88.090	161.260	6386.48	4329.05	-5059.43	-1320.22	1733887.58	14519215.73	39°58'43.9484"N	80°39'58.8210"W	5228.85	194.625	0.60
11684.00	88.060	161.300	6389.70	4424.98	-5150.31	-1289.43	1733918.36	14519124.89	39°58'43.0492"N	80°39'58.4298"W	5309.26	194.056	0.05
11781.00	87.880	161.030	6393.14	4521.92	-5242.05	-1258.14	1733949.65	14519033.18	39°58'42.1414"N	80°39'58.0322"W	5390.92	193.496	0.33
11878.00	88.030	161.590	6396.60	4618.84	-5333.88	-1227.07	1733980.70	14518941.39	39°58'41.2328"N	80°39'57.6376"W	5473.20	192.956	0.60
11974.00	89.230	161.100	6398.89	4714.80	-5424.81	-1196.37	1734011.38	14518850.50	39°58'40.3331"N	80°39'57.2476"W	5555.16	192.437	1.35
12071.00	88.920	161.200	6400.46	4811.78	-5516.59	-1165.04	1734042.71	14518758.75	39°58'39.4249"N	80°39'56.8495"W	5638.27	191.925	0.34
12168.00	89.350	161.080	6401.92	4908.77	-5608.37	-1133.69	1734074.05	14518667.00	39°58'38.5167"N	80°39'56.4512"W	5721.81	191.428	0.46
12264.00	89.020	161.050	6403.29	5004.75	-5699.17	-1102.54	1734105.18	14518576.24	39°58'37.6183"N	80°39'56.0555"W	5804.84	190.949	0.35
12361.00	89.880	161.150	6404.22	5101.74	-5790.94	-1071.12	1734136.59	14518484.51	39°58'36.7103"N	80°39'55.6563"W	5889.16	190.479	0.89
12457.00	89.230	160.750	6404.97	5197.74	-5881.67	-1039.79	1734167.91	14518393.81	39°58'35.8124"N	80°39'55.2582"W	5972.88	190.025	0.80
12554.00	89.850	160.600	6405.74	5294.73	-5973.21	-1007.69	1734200.00	14518302.31	39°58'34.9067"N	80°39'54.8503"W	6057.61	189.576	0.66
12651.00	89.780	160.890	6406.06	5391.73	-6064.78	-975.70	1734231.97	14518210.78	39°58'34.0005"N	80°39'54.4439"W	6142.76	189.139	0.31
12747.00	89.750	160.800	6406.45	5487.73	-6155.46	-944.20	1734263.46	14518120.13	39°58'33.1032"N	80°39'54.0436"W	6227.46	188.721	0.10
12844.00	89.380	159.500	6407.19	5584.72	-6246.70	-911.26	1734296.38	14518028.93	39°58'32.2004"N	80°39'53.6250"W	6312.81	188.300	1.39
12940.00	89.660	159.250	6407.99	5680.70	-6336.54	-877.45	1734330.18	14517939.12	39°58'31.3113"N	80°39'53.1950"W	6397.00	187.884	0.39
13037.00	89.570	159.230	6408.64	5777.67	-6427.24	-843.07	1734364.55	14517848.46	39°58'30.4137"N	80°39'52.7577"W	6482.30	187.473	0.10
13134.00	89.570	159.800	6409.37	5874.66	-6518.10	-809.12	1734398.48	14517757.63	39°58'29.5145"N	80°39'52.3261"W	6568.13	187.076	0.59
13230.00	88.770	158.740	6410.76	5970.62	-6607.88	-775.15	1734432.45	14517667.89	39°58'28.6260"N	80°39'51.8940"W	6653.19	186.691	1.38
13327.00	89.940	159.770	6411.85	6067.59	-6698.58	-740.79	1734466.79	14517577.23	39°58'27.7284"N	80°39'51.4571"W	6739.42	186.311	1.61
13423.00	90.310	160.100	6411.65	6163.58	-6788.75	-707.86	1734499.71	14517487.09	39°58'26.8361"N	80°39'51.0384"W	6825.55	185.953	0.52



Actual Wellpath Report

David Reinbeau MSH 606H awp Proj: 24610'
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13519.00	90.490	160.330	6410.98	6259.58	-6879.08	-675.36	1734532.19	14517396.79	39°58'25.9422"N	80°39'50.6254"W	6912.15	185.607	0.30
13615.00	89.630	157.980	6410.87	6355.54	-6968.79	-641.20	1734566.34	14517307.12	39°58'25.0544"N	80°39'50.1910"W	6998.23	185.257	2.61
13712.00	89.850	159.940	6411.31	6452.50	-7059.32	-606.38	1734601.15	14517216.63	39°58'24.1585"N	80°39'49.7481"W	7085.31	184.910	2.03
13809.00	89.110	159.510	6412.20	6549.49	-7150.30	-572.77	1734634.74	14517125.68	39°58'23.2581"N	80°39'49.3208"W	7173.21	184.580	0.88
13905.00	88.830	159.110	6413.92	6645.45	-7240.10	-538.86	1734668.64	14517035.92	39°58'22.3694"N	80°39'48.8895"W	7260.12	184.256	0.51
14002.00	88.860	158.950	6415.88	6742.40	-7330.65	-504.15	1734703.34	14516945.40	39°58'21.4732"N	80°39'48.4481"W	7347.97	183.934	0.17
14098.00	89.140	159.480	6417.55	6838.36	-7420.39	-470.09	1734737.39	14516855.69	39°58'20.5851"N	80°39'48.0150"W	7435.27	183.625	0.62
14195.00	89.690	159.340	6418.54	6935.34	-7511.19	-435.98	1734771.48	14516764.93	39°58'19.6866"N	80°39'47.5813"W	7523.83	183.322	0.59
14291.00	90.000	159.630	6418.80	7031.32	-7601.10	-402.33	1734805.11	14516675.05	39°58'18.7968"N	80°39'47.1535"W	7611.74	183.030	0.44
14388.00	89.910	159.430	6418.88	7128.31	-7691.98	-368.41	1734839.02	14516584.22	39°58'17.8975"N	80°39'46.7222"W	7700.80	182.742	0.23
14485.00	89.820	159.510	6419.11	7225.29	-7782.82	-334.39	1734873.03	14516493.41	39°58'16.9985"N	80°39'46.2897"W	7790.00	182.460	0.12
14582.00	89.170	159.950	6419.96	7322.28	-7873.81	-300.79	1734906.62	14516402.46	39°58'16.0981"N	80°39'45.8625"W	7879.55	182.188	0.81
14678.00	89.320	159.050	6421.23	7418.25	-7963.72	-267.17	1734940.22	14516312.58	39°58'15.2083"N	80°39'45.4351"W	7968.20	181.921	0.95
14774.00	89.630	160.190	6422.11	7514.24	-8053.70	-233.74	1734973.64	14516222.63	39°58'14.3177"N	80°39'45.0101"W	8057.09	181.662	1.23
14871.00	89.510	159.180	6422.83	7611.22	-8144.67	-200.07	1735007.30	14516131.71	39°58'13.4176"N	80°39'44.5820"W	8147.12	181.407	1.05
14968.00	89.970	159.560	6423.27	7708.20	-8235.44	-165.89	1735041.46	14516040.96	39°58'12.5192"N	80°39'44.1474"W	8237.11	181.154	0.62
15064.00	89.940	159.950	6423.35	7804.19	-8325.51	-132.67	1735074.67	14515950.93	39°58'11.6279"N	80°39'43.7251"W	8326.57	180.913	0.41
15161.00	89.510	159.260	6423.82	7901.18	-8416.43	-98.87	1735108.46	14515860.05	39°58'10.7281"N	80°39'43.2954"W	8417.01	180.673	0.84
15257.00	89.570	159.200	6424.59	7997.15	-8506.19	-64.83	1735142.49	14515770.32	39°58'9.8398"N	80°39'42.8626"W	8506.44	180.437	0.09
15354.00	89.480	159.350	6425.39	8094.13	-8596.91	-30.50	1735176.80	14515679.64	39°58'8.9420"N	80°39'42.4261"W	8596.96	180.203	0.18
15450.00	89.480	159.430	6426.26	8190.10	-8686.76	3.29	1735210.58	14515589.82	39°58'8.0528"N	80°39'41.9965"W	8686.76	179.978	0.08
15547.00	89.600	159.390	6427.04	8287.08	-8777.56	37.40	1735244.67	14515499.06	39°58'7.1542"N	80°39'41.5628"W	8777.64	179.756	0.13
15644.00	89.820	160.380	6427.53	8384.07	-8868.64	70.76	1735278.02	14515408.01	39°58'6.2529"N	80°39'41.1388"W	8868.92	179.543	1.05
15740.00	89.320	160.730	6428.25	8480.07	-8959.16	102.71	1735309.96	14515317.53	39°58'5.3571"N	80°39'40.7327"W	8959.75	179.343	0.64
15837.00	89.720	160.670	6429.06	8577.07	-9050.71	134.77	1735342.01	14515226.02	39°58'4.4512"N	80°39'40.3255"W	9051.71	179.147	0.42
15933.00	89.510	160.900	6429.71	8673.06	-9141.36	166.37	1735373.59	14515135.40	39°58'3.5542"N	80°39'39.9241"W	9142.87	178.957	0.32
16029.00	89.480	160.500	6430.56	8769.06	-9231.96	198.09	1735405.31	14515044.84	39°58'2.6577"N	80°39'39.5210"W	9234.08	178.771	0.42
16125.00	89.940	160.870	6431.04	8865.06	-9322.55	229.85	1735437.05	14514954.28	39°58'1.7612"N	80°39'39.1176"W	9325.39	178.588	0.61
16222.00	90.150	162.040	6430.97	8962.04	-9414.52	260.70	1735467.89	14514862.35	39°58'0.8512"N	80°39'38.7259"W	9418.13	178.414	1.23
16319.00	89.380	160.720	6431.36	9059.03	-9506.44	291.67	1735498.84	14514770.47	39°57'59.9417"N	80°39'38.3326"W	9510.91	178.243	1.58

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REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	David Reinbeau MSH 606H
Field	Marshall	API	47051025020000
Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 606H AWB
Slot	606H		

WELLPATH DATA (267 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]
16415.00	89.510	160.350	6432.29	9155.02	-9596.94	323.66	1735530.82	14514679.99	39°57'59.0461"N	80°39'37.9262"W	9602.40	178.068	0.41
16511.00	89.850	160.320	6432.83	9251.02	-9687.34	355.96	1735563.11	14514589.63	39°57'58.1515"N	80°39'37.5157"W	9693.88	177.896	0.36
16608.00	89.480	160.450	6433.40	9348.02	-9778.71	388.52	1735595.66	14514498.30	39°57'57.2473"N	80°39'37.1020"W	9786.43	177.725	0.40
16704.00	89.660	160.230	6434.12	9444.01	-9869.11	420.82	1735627.95	14514407.93	39°57'56.3527"N	80°39'36.6916"W	9878.08	177.558	0.30
16801.00	89.570	160.430	6434.77	9541.01	-9960.45	453.47	1735660.58	14514316.63	39°57'55.4489"N	80°39'36.2768"W	9970.77	177.393	0.23
16897.00	89.480	160.610	6435.56	9637.01	-10050.95	485.48	1735692.58	14514226.16	39°57'54.5533"N	80°39'35.8701"W	10062.67	177.235	0.21
16994.00	89.540	160.870	6436.39	9734.00	-10142.52	517.48	1735724.57	14514134.63	39°57'53.6472"N	80°39'35.4636"W	10155.71	177.079	0.28
17090.00	89.540	160.400	6437.16	9830.00	-10233.09	549.31	1735756.38	14514044.10	39°57'52.7510"N	80°39'35.0593"W	10247.82	176.927	0.49
17187.00	89.510	160.710	6437.97	9927.00	-10324.55	581.60	1735788.66	14513952.67	39°57'51.8459"N	80°39'34.6491"W	10340.92	176.776	0.32
17283.00	90.250	160.370	6438.17	10023.00	-10415.07	613.58	1735820.63	14513862.19	39°57'50.9502"N	80°39'34.2428"W	10433.12	176.628	0.85
17380.00	89.510	160.340	6438.37	10120.00	-10506.42	646.19	1735853.23	14513770.88	39°57'50.0462"N	80°39'33.8284"W	10526.27	176.480	0.76
17477.00	89.750	160.590	6439.00	10216.99	-10597.83	678.63	1735885.65	14513679.50	39°57'49.1416"N	80°39'33.4164"W	10619.54	176.336	0.36
17573.00	89.350	160.840	6439.75	10312.99	-10688.44	710.33	1735917.34	14513588.92	39°57'48.2450"N	80°39'33.0136"W	10712.02	176.198	0.49
17670.00	89.480	160.530	6440.74	10409.98	-10779.98	742.41	1735949.41	14513497.42	39°57'47.3392"N	80°39'32.6061"W	10805.51	176.060	0.35
17766.00	89.510	160.490	6441.59	10505.98	-10870.47	774.44	1735981.43	14513406.96	39°57'46.4436"N	80°39'32.1992"W	10898.03	175.925	0.05
17863.00	89.510	160.430	6442.42	10602.98	-10961.88	806.88	1736013.86	14513315.59	39°57'45.5391"N	80°39'31.7871"W	10991.54	175.790	0.06
17959.00	89.540	160.480	6443.22	10698.97	-11052.35	839.00	1736045.96	14513225.16	39°57'44.6439"N	80°39'31.3791"W	11084.15	175.659	0.06
18056.00	89.600	160.650	6443.94	10795.97	-11143.82	871.27	1736078.22	14513133.73	39°57'43.7387"N	80°39'30.9691"W	11177.83	175.529	0.19
18152.00	89.450	160.200	6444.74	10891.97	-11234.27	903.44	1736110.37	14513043.31	39°57'42.8436"N	80°39'30.5605"W	11270.54	175.402	0.49
18249.00	89.880	161.030	6445.31	10988.96	-11325.77	935.63	1736142.55	14512951.85	39°57'41.9382"N	80°39'30.1515"W	11364.35	175.277	0.96
18345.00	89.450	160.610	6445.87	11084.96	-11416.44	967.17	1736174.08	14512861.22	39°57'41.0410"N	80°39'29.7510"W	11457.33	175.158	0.63
18441.00	89.600	160.470	6446.66	11180.96	-11506.95	999.15	1736206.05	14512770.74	39°57'40.1453"N	80°39'29.3447"W	11550.25	175.037	0.21
18538.00	89.970	160.460	6447.03	11277.96	-11598.36	1031.59	1736238.47	14512679.36	39°57'39.2407"N	80°39'28.9327"W	11644.15	174.917	0.38
18634.00	89.350	160.790	6447.60	11373.95	-11688.93	1063.43	1736270.31	14512588.83	39°57'38.3445"N	80°39'28.5281"W	11737.20	174.802	0.73
18731.00	89.570	160.820	6448.51	11470.95	-11780.53	1095.32	1736302.18	14512497.27	39°57'37.4381"N	80°39'28.1231"W	11831.34	174.688	0.23
18827.00	89.480	160.180	6449.31	11566.94	-11871.02	1127.37	1736334.22	14512406.81	39°57'36.5426"N	80°39'27.7160"W	11924.43	174.575	0.67
18924.00	89.600	160.330	6450.09	11663.94	-11962.31	1160.14	1736366.97	14512315.55	39°57'35.6392"N	80°39'27.2997"W	12018.44	174.461	0.20
19020.00	89.450	160.560	6450.88	11759.94	-12052.77	1192.27	1736399.09	14512225.13	39°57'34.7440"N	80°39'26.8916"W	12111.60	174.351	0.29
19116.00	89.540	160.240	6451.73	11855.93	-12143.21	1224.47	1736431.28	14512134.73	39°57'33.8491"N	80°39'26.4825"W	12204.79	174.242	0.35
19212.00	89.380	160.400	6452.63	11951.93	-12233.59	1256.80	1736463.60	14512044.38	39°57'32.9546"N	80°39'26.0718"W	12297.98	174.134	0.24

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Field	Marshall	API	47051025020000
Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 606H AWB
Slot	606H		

WELLPATH DATA (267 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]
19309.00	89.750	160.680	6453.37	12048.92	-12325.05	1289.11	1736495.90	14511952.96	39°57'32.0496"N	80°39'25.6613"W	12392.28	174.029	0.48
19405.00	89.510	160.560	6453.99	12144.92	-12415.61	1320.97	1736527.74	14511862.43	39°57'31.1534"N	80°39'25.2567"W	12485.68	173.927	0.28
19502.00	89.570	160.390	6454.77	12241.92	-12507.03	1353.39	1736560.15	14511771.05	39°57'30.2488"N	80°39'24.8449"W	12580.04	173.824	0.19
19598.00	89.380	160.970	6455.65	12337.91	-12597.62	1385.14	1736591.89	14511680.50	39°57'29.3523"N	80°39'24.4415"W	12673.54	173.725	0.64
19695.00	89.850	161.180	6456.30	12434.91	-12689.37	1416.60	1736623.34	14511588.78	39°57'28.4444"N	80°39'24.0421"W	12768.20	173.630	0.53
19791.00	89.630	160.600	6456.73	12530.90	-12780.08	1448.03	1736654.76	14511498.11	39°57'27.5468"N	80°39'23.6430"W	12861.85	173.536	0.65
19887.00	89.600	160.680	6457.38	12626.90	-12870.65	1479.86	1736686.57	14511407.57	39°57'26.6505"N	80°39'23.2388"W	12955.45	173.441	0.09
19983.00	89.660	160.890	6458.00	12722.90	-12961.30	1511.45	1736718.15	14511316.96	39°57'25.7535"N	80°39'22.8376"W	13049.13	173.349	0.23
20080.00	89.820	160.930	6458.44	12819.89	-13052.96	1543.17	1736749.86	14511225.33	39°57'24.8464"N	80°39'22.4347"W	13143.87	173.258	0.17
20176.00	89.600	160.940	6458.93	12915.89	-13143.70	1574.53	1736781.20	14511134.63	39°57'23.9486"N	80°39'22.0365"W	13237.67	173.169	0.23
20272.00	89.750	160.830	6459.47	13011.89	-13234.40	1605.97	1736812.63	14511043.96	39°57'23.0510"N	80°39'21.6373"W	13331.49	173.081	0.19
20368.00	89.480	160.650	6460.12	13107.88	-13325.03	1637.63	1736844.28	14510953.37	39°57'22.1542"N	80°39'21.2352"W	13425.28	172.994	0.34
20465.00	89.630	160.330	6460.87	13204.88	-13416.46	1670.03	1736876.66	14510861.98	39°57'21.2495"N	80°39'20.8237"W	13519.99	172.905	0.36
20561.00	89.750	161.040	6461.39	13300.88	-13507.05	1701.78	1736908.40	14510771.42	39°57'20.3530"N	80°39'20.4205"W	13613.83	172.819	0.75
20657.00	89.540	160.510	6461.98	13396.87	-13597.69	1733.39	1736940.00	14510680.81	39°57'19.4560"N	80°39'20.0191"W	13707.73	172.735	0.59
20754.00	89.600	160.460	6462.71	13493.87	-13689.12	1765.79	1736972.39	14510589.42	39°57'18.5513"N	80°39'19.6075"W	13802.54	172.650	0.08
20850.00	89.480	160.420	6463.48	13589.87	-13779.58	1797.93	1737004.52	14510499.00	39°57'17.6561"N	80°39'19.1993"W	13896.38	172.566	0.13
20946.00	89.820	160.970	6464.07	13685.87	-13870.18	1829.67	1737036.24	14510408.44	39°57'16.7596"N	80°39'18.7963"W	13990.33	172.485	0.67
21043.00	90.000	160.650	6464.22	13782.86	-13961.79	1861.55	1737068.11	14510316.86	39°57'15.8530"N	80°39'18.3914"W	14085.34	172.405	0.38
21139.00	89.750	160.950	6464.43	13878.86	-14052.45	1893.12	1737099.67	14510226.24	39°57'14.9559"N	80°39'17.9905"W	14179.39	172.327	0.41
21235.00	89.630	159.920	6464.95	13974.86	-14142.90	1925.27	1737131.81	14510135.82	39°57'14.0608"N	80°39'17.5822"W	14273.34	172.248	1.08
21331.00	89.630	160.620	6465.57	14070.86	-14233.26	1957.68	1737164.20	14510045.49	39°57'13.1665"N	80°39'17.1705"W	14367.26	172.169	0.73
21428.00	89.660	160.640	6466.17	14167.85	-14324.77	1989.85	1737196.36	14509954.02	39°57'12.2610"N	80°39'16.7620"W	14462.31	172.092	0.04
21524.00	89.750	160.660	6466.66	14263.85	-14415.35	2021.66	1737228.15	14509863.48	39°57'11.3647"N	80°39'16.3580"W	14556.42	172.017	0.10
21620.00	89.630	160.560	6467.18	14359.85	-14505.90	2053.53	1737260.01	14509772.96	39°57'10.4686"N	80°39'15.9533"W	14650.53	171.942	0.16
21716.00	89.660	160.520	6467.78	14455.85	-14596.41	2085.51	1737291.98	14509682.48	39°57'9.5729"N	80°39'15.5471"W	14744.65	171.869	0.05
21812.00	89.480	160.230	6468.50	14551.85	-14686.83	2117.75	1737324.21	14509592.10	39°57'8.6781"N	80°39'15.1376"W	14838.73	171.795	0.36
21908.00	89.780	160.820	6469.12	14647.84	-14777.34	2149.76	1737356.20	14509501.63	39°57'7.7824"N	80°39'14.7312"W	14932.89	171.723	0.69
22005.00	89.910	160.640	6469.38	14744.84	-14868.90	2181.77	1737388.20	14509410.10	39°57'6.8763"N	80°39'14.3247"W	15028.12	171.652	0.23
22101.00	89.850	160.270	6469.58	14840.84	-14959.37	2213.88	1737420.31	14509319.67	39°57'5.9811"N	80°39'13.9168"W	15122.30	171.582	0.39



Actual Wellpath Report

David Reinbeau MSH 606H awp Proj: 24610'
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REFERENCE WELLPATH IDENTIFICATION			
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Field	Marshall	API	47051025020000
Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 606H AWB
Slot	606H		

WELLPATH DATA (267 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]
22197.00	89.850	160.050	6469.83	14936.84	-15049.67	2246.47	1737452.88	14509229.40	39°57'5.0874"N	80°39'13.5029"W	15216.42	171.510	0.23
22293.00	89.820	160.680	6470.11	15032.84	-15140.09	2278.72	1737485.12	14509139.02	39°57'4.1927"N	80°39'13.0932"W	15310.62	171.441	0.66
22389.00	89.820	160.110	6470.41	15128.84	-15230.52	2310.94	1737517.32	14509048.62	39°57'3.2977"N	80°39'12.6841"W	15404.85	171.372	0.59
22486.00	89.820	160.640	6470.72	15225.84	-15321.89	2343.51	1737549.89	14508957.29	39°57'2.3936"N	80°39'12.2704"W	15500.08	171.304	0.55
22582.00	89.970	160.870	6470.89	15321.84	-15412.52	2375.16	1737581.52	14508866.69	39°57'1.4967"N	80°39'11.8686"W	15594.46	171.239	0.29
22678.00	89.820	160.390	6471.07	15417.83	-15503.09	2407.00	1737613.34	14508776.16	39°57'0.6005"N	80°39'11.4643"W	15688.83	171.175	0.52
22774.00	89.850	160.420	6471.35	15513.83	-15593.53	2439.19	1737645.53	14508685.76	39°56'59.7055"N	80°39'11.0554"W	15783.15	171.110	0.04
22870.00	90.060	160.470	6471.42	15609.83	-15683.99	2471.32	1737677.65	14508595.33	39°56'58.8102"N	80°39'10.6473"W	15877.50	171.046	0.22
22966.00	89.940	160.690	6471.42	15705.83	-15774.53	2503.24	1737709.55	14508504.83	39°56'57.9143"N	80°39'10.2420"W	15971.91	170.983	0.26
23062.00	90.000	160.790	6471.47	15801.83	-15865.16	2534.91	1737741.21	14508414.24	39°56'57.0175"N	80°39'9.8399"W	16066.39	170.922	0.12
23159.00	89.660	160.410	6471.76	15898.83	-15956.65	2567.13	1737773.41	14508322.78	39°56'56.1121"N	80°39'9.4308"W	16161.83	170.860	0.53
23255.00	90.060	161.040	6471.99	15994.83	-16047.27	2598.82	1737805.09	14508232.20	39°56'55.2153"N	80°39'9.0285"W	16256.34	170.801	0.78
23351.00	89.940	160.790	6471.99	16090.83	-16137.99	2630.21	1737836.47	14508141.51	39°56'54.3176"N	80°39'8.6300"W	16350.92	170.743	0.29
23447.00	89.850	161.180	6472.17	16186.82	-16228.75	2661.48	1737867.73	14508050.78	39°56'53.4194"N	80°39'8.2329"W	16445.54	170.687	0.42
23544.00	89.570	160.480	6472.66	16283.82	-16320.37	2693.34	1737899.57	14507959.20	39°56'52.5128"N	80°39'7.8285"W	16541.12	170.629	0.78
23640.00	89.450	159.590	6473.48	16379.81	-16410.60	2726.11	1737932.34	14507869.01	39°56'51.6199"N	80°39'7.4122"W	16635.49	170.568	0.94
23736.00	89.750	160.600	6474.15	16475.81	-16500.86	2758.80	1737965.01	14507778.78	39°56'50.7266"N	80°39'6.9971"W	16729.89	170.508	1.10
23832.00	89.880	161.010	6474.46	16571.80	-16591.52	2790.36	1737996.56	14507688.16	39°56'49.8295"N	80°39'6.5963"W	16824.53	170.453	0.45
23928.00	89.410	159.850	6475.06	16667.80	-16681.97	2822.51	1738028.70	14507597.74	39°56'48.9344"N	80°39'6.1880"W	16919.07	170.397	1.30
24025.00	89.970	161.300	6475.58	16764.80	-16773.45	2854.77	1738060.94	14507506.30	39°56'48.0291"N	80°39'5.7784"W	17014.65	170.341	1.60
24121.00	89.480	160.290	6476.04	16860.79	-16864.10	2886.35	1738092.51	14507415.68	39°56'47.1320"N	80°39'5.3775"W	17109.32	170.288	1.17
24217.00	89.750	160.960	6476.69	16956.79	-16954.66	2918.20	1738124.34	14507325.16	39°56'46.2359"N	80°39'4.9732"W	17203.97	170.234	0.75
24314.00	89.820	161.010	6477.05	17053.79	-17046.37	2949.80	1738155.94	14507233.49	39°56'45.3284"N	80°39'4.5720"W	17299.71	170.182	0.09
24410.00	89.820	161.130	6477.35	17149.78	-17137.18	2980.94	1738187.07	14507142.72	39°56'44.4298"N	80°39'4.1767"W	17394.51	170.132	0.12
24506.00	89.910	161.090	6477.58	17245.78	-17228.01	3012.02	1738218.14	14507051.92	39°56'43.5310"N	80°39'3.7822"W	17489.32	170.083	0.10
24585.00	89.750	160.740	6477.81	17324.77	-17302.66	3037.86	1738243.96	14506977.30	39°56'42.7922"N	80°39'3.4543"W	17567.32	170.042	0.49
24610.00‡	89.750	160.740	6477.92	17349.77	-17326.26	3046.10	1738252.20	14506953.70	39°56'42.5586"N	80°39'3.3496"W	17591.99	170.029	0.00

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REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	David Reinbeau MSH 606H
Field	Marshall	API	47051025020000
Facility	David Reinbeau MSH Pad	Wellbore	David Reinbeau MSH 606H AWB
Slot	606H		

HOLE & CASING SECTIONS - Ref Wellbore: David Reinbeau MSH 606H AWB Ref Wellpath: David Reinbeau MSH 606H awp Proj: 24610'									
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	497.00	471.00	26.00	497.00	0.00	0.00	-0.72	-1.67
9.625in Casing	26.00	2096.00	2070.00	26.00	2074.42	0.00	0.00	20.45	-211.44
5.5in Casing	26.00	24610.00	24584.00	26.00	6477.92	0.00	0.00	-17326.26	3046.10

TARGETS									
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape	
David Reinbeau MSH 606H LP rev2	6359.00	-1242.65	-2646.12	1732562.21	14523031.01	39°59'21.7156"N	80°40'15.6720"W	point	
David Reinbeau MSH 606H BHL rev 1	6465.00	-17326.91	3045.77	1738251.87	14506953.06	39°56'42.5523"N	80°39'3.3539"W	point	

WELLPATH COMPOSITION - Ref Wellbore: David Reinbeau MSH 606H AWB Ref Wellpath: David Reinbeau MSH 606H awp Proj: 24610'									
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date				
26.00	650.00	Gyrodatta 2015 - GC+WIR+DPIPE	1 Imported Gyro 17.5" 50' - 650'	David Reinbeau MSH 606H AWB	9/1/2023				
650.00	2026.00	OWSG MWD rev2 + HRGM	2 Tally MWD HRGM 12.25" 788' - 2026'	David Reinbeau MSH 606H AWB	9/1/2023				
2026.00	3719.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	3 BH MWD HRGM 8.75' 2177' - 3719'	David Reinbeau MSH 606H AWB	9/1/2023				
3719.00	24610.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	4 BH MWD HRGM 8.5 3809' - 24858'	David Reinbeau MSH 606H AWB	9/1/2023				