



ANTERO RESOURCES CORPORATION



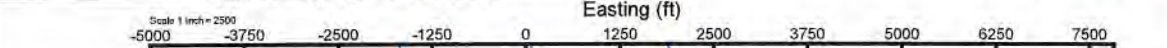
Location: Tyler County, WV
Field: Tyler
Facility: Pyles Pad

Slot: Slot #03
Well: Prosper Unit 1H
Wellbore: Prosper Unit 1H PWB

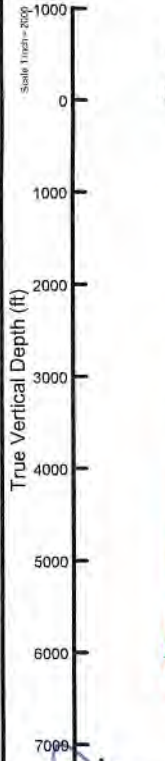
Slot reference wellpath is Prosper Unit 1H PWP Rev-B.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 317 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 317 (RKB)	Scale: True distance
H&P 317 (RKB) to Mean Sea Level: 1105.5 feet	Coordinates are in feet referenced to SRS
Mean Sea Level to Ground level (At Slot: Slot #03): -1081 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edwray on 2020-10-14 Database: WA_MPL_EASTERNUS_Defn

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Pyles Pad	1686309.101	14345436.083	39°30'13.9340"N	80°50'14.2940"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Slot #03	14.98	0.76	1686309.857	14345451.053	39°30'14.0820"N
Comment	Prosper Unit 1H				
H&P 317 (RKB) to Ground level (At Slot: Slot #03)	25.5ft				
Mean Sea Level to Ground level (At Slot: Slot #03)	-1081ft				
H&P 317 (RKB) to Mean Sea Level	1105.5ft				

Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (*/100ft)	VS (ft)
Tie On	2572.00	1.680	328.110	2568.73	30.72	74.55	0.19	-4.79
Proj. To Bottom	2650.00	1.680	328.110	2646.70	32.66	73.34	0.00	-7.02
Drill Out Csg	2730.00	1.680	328.110	2726.66	34.65	72.10	0.00	-9.31
End of Drop	2814.00	0.000	48.333	2810.65	35.70	71.45	2.00	-10.51
KOP 1	3134.85	0.000	48.333	3131.50	35.70	71.45	0.00	-10.51
End of Build	3884.86	15.000	48.333	3872.97	100.60	144.37	2.00	-48.14
Curve KOP	5980.36	15.000	48.333	5906.72	462.68	551.47	0.00	-258.24
POE	6971.41	74.817	150.665	6925.00	71.35	941.17	8.00	238.79
Landing Pt.	7161.20	90.000	150.666	6650.00	-92.17	1033.06	8.00	423.32
On Azimuth	7506.05	90.000	161.011	6650.00	-406.38	1174.02	3.00	766.29
BHL	20921.41	90.000	161.011	6650.00	-13091.68	5539.23	0.00	14181.65



BH AT Curve <8-1/2"> (6108')(6153'-20920') : 6058.72ft TVD, 485.87ft N, 608.13ft E
 APS EM <8-3/4"> (2572')(2738'-6108') : 2734.67ft TVD, 34.60ft N, 72.35ft E
 APS EM <12-1/4"> (382')(417'-2572') : 417.00ft TVD, 0.04ft S, 0.17ft W
 Gyrodata MS Gyro <17-1/2"> (100'-382') : 100.00ft TVD, 0.00ft N, 0.02ft W
 Marcellus POE: 6971' MD : 6628.47ft TVD, 101.11ft N, 940.30ft E



Gyrodata MS Gyro <17-1/2"> (100'-382') : 0.03° Inc, 100.00ft MD, 100.00ft TVD, 0.00ft VS
 APS EM <12-1/4"> (382')(417'-2572') : 0.07° Inc, 417.00ft MD, 417.00ft TVD, -0.02ft VS

API: 47-095-02699-0000
 BH Job #: 110531846-B
 Rig: H&P 317
 Duration: 10/6/2020-10/12/2020

Well Data			
Slot	Well	Wellbore	Wellpath
Slot #03	Prosper Unit 1H	Prosper Unit 1H AWB	Prosper Unit 1H AWP Proj: 20968'
Slot #03	Prosper Unit 1H	Prosper Unit 1H PWB	Prosper Unit 1H PWP Rev-B.0

APS EM <8-3/4"> (2572')(2738'-6108') : 1.40° Inc, 2738.00ft MD, 2734.67ft TVD, -9.17ft VS



User specified (HDGM) Dip: 66.47° Field: 51785 nT
 Magnetic North is 7.57 degrees West of True North (at 05/Oct/2020)
 Grid North is 0.10 degrees East of True North
 To correct azimuth from True to Grid subtract 0.10 degrees
 To correct azimuth from Magnetic to Grid subtract 7.67 degrees

BH AT Curve <8-1/2"> (6108')(6153'-20920') : 20.70° Inc, 6153.00ft MD, 6058.72ft TVD, -281.54ft VS
 Marcellus POE: 6971' MD : 77.95° Inc, 6971.00ft MD, 6628.47ft TVD, 210.37ft VS

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Projected MD at TD: 20968' : 6711.75ft TVD, 13111.59ft S, 5536.92ft E

Projected MD at TD: 20968' : 89.38° Inc, 20968.00ft MD, 6711.75ft TVD, 14199.73ft VS

Vertical Section (ft)
 Azimuth 161.01° with reference 0.00 N, 0.00 E

Scale 1 inch = 2000



Actual Wellpath Report

Prosper Unit 1H AWP Proj: 20968'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Prosper Unit 1H
Field	Tyler	API	47-095-02699-0000
Facility	Pyles Pad	Wellbore	Prosper Unit 1H AWB
Slot	Slot #03		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999602	Report Generated	14/Oct/2020 at 14:21
Convergence at slot	0.10° 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	14.98	0.76	1686309.86	14345451.05	39°30'14.0820"N	80°50'14.2840"W
Facility Reference Pt			1686309.10	14345436.08	39°30'13.9340"N	80°50'14.2940"W
Field Reference Pt			0.00	0.00	0°00'0.0000"	85°29'19.3013"W

WELLPATH DATUM			
Calculation method	Minimum curvature	H&P 317 (RKB) to Facility Vertical Datum	1106.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	1106.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot #03)	25.50ft
MD Reference Pt	H&P 317 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	161.01°

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Actual Wellpath Report

Prosper Unit 1H AWP Proj: 20968'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Prosper Unit 1H
Field	Tyler	API	47-095-02699-0000
Facility	Pyles Pad	Wellbore	Prosper Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (243 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	255.360	0.00	0.00	0.00	0.00	1686309.86	14345451.05	39°30'14.0820"N	80°50'14.2840"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	255.360	25.50	0.00	0.00	0.00	1686309.86	14345451.05	39°30'14.0820"N	80°50'14.2840"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.030	255.360	100.00	0.00	0.00	-0.02	1686309.84	14345451.05	39°30'14.0820"N	80°50'14.2842"W	0.02	255.360	0.04	0.04	0.00	Gyrodata MS Gyro <17-1/2"> (100'-382')
200.00	0.110	262.280	200.00	-0.02	-0.02	-0.14	1686309.72	14345451.03	39°30'14.0818"N	80°50'14.2858"W	0.14	260.050	0.08	0.08	6.92	
300.00	0.060	140.390	300.00	0.01	-0.08	-0.20	1686309.66	14345450.98	39°30'14.0812"N	80°50'14.2866"W	0.22	248.878	0.15	-0.05	-121.89	
382.00	0.080	352.580	382.00	-0.01	-0.05	-0.18	1686309.68	14345451.00	39°30'14.0815"N	80°50'14.2863"W	0.19	253.400	0.16	0.02	-180.26	
417.00	0.070	116.330	417.00	-0.02	-0.04	-0.17	1686309.69	14345451.01	39°30'14.0816"N	80°50'14.2861"W	0.17	256.629	0.38	-0.03	353.57	APS EM <12-1/4"> (382')(417'-2572')
507.00	0.060	21.050	507.00	-0.01	-0.02	-0.10	1686309.76	14345451.03	39°30'14.0818"N	80°50'14.2853"W	0.10	258.764	0.11	-0.01	-105.87	
598.00	0.840	89.830	598.00	0.17	0.03	0.59	1686310.44	14345451.08	39°30'14.0823"N	80°50'14.2765"W	0.59	87.378	0.90	0.86	75.58	
690.00	2.580	84.540	689.95	0.87	0.23	3.32	1686313.18	14345451.28	39°30'14.0842"N	80°50'14.2416"W	3.33	86.110	1.90	1.89	-5.75	
780.00	4.600	74.980	779.77	1.59	1.35	8.82	1686318.68	14345452.41	39°30'14.0952"N	80°50'14.1714"W	8.93	81.276	2.33	2.24	-10.62	
872.00	5.420	76.780	871.42	2.28	3.30	16.62	1686326.47	14345454.36	39°30'14.1144"N	80°50'14.0719"W	16.94	78.755	0.91	0.89	1.96	
963.00	5.230	72.320	962.03	2.81	5.55	24.75	1686334.60	14345456.60	39°30'14.1364"N	80°50'13.9681"W	25.37	77.370	0.50	-0.21	-4.90	
1054.00	5.220	75.180	1052.65	3.21	7.86	32.71	1686342.55	14345458.91	39°30'14.1591"N	80°50'13.8666"W	33.64	76.479	0.29	-0.01	3.14	
1149.00	5.160	73.530	1147.26	3.71	10.18	40.98	1686350.82	14345461.23	39°30'14.1819"N	80°50'13.7610"W	42.23	76.048	0.17	-0.06	-1.74	
1244.00	4.740	73.780	1241.90	4.09	12.49	48.85	1686358.68	14345463.54	39°30'14.2046"N	80°50'13.6606"W	50.42	75.658	0.44	-0.44	0.26	
1339.00	4.670	74.010	1336.58	4.48	14.65	56.33	1686366.17	14345465.70	39°30'14.2258"N	80°50'13.5650"W	58.21	75.422	0.08	-0.07	0.24	
1434.00	4.680	74.290	1431.27	4.90	16.77	63.78	1686373.61	14345467.81	39°30'14.2466"N	80°50'13.4699"W	65.95	75.273	0.03	0.01	0.29	
1529.00	3.060	76.870	1526.05	5.38	18.39	69.98	1686379.81	14345469.44	39°30'14.2625"N	80°50'13.3908"W	72.36	75.276	1.71	-1.71	2.72	
1624.00	1.360	102.220	1620.98	6.23	18.73	73.55	1686383.38	14345469.77	39°30'14.2658"N	80°50'13.3452"W	75.90	75.715	2.02	-1.79	26.68	
1719.00	0.870	125.350	1715.96	7.40	18.07	75.24	1686385.07	14345469.12	39°30'14.2593"N	80°50'13.3237"W	77.38	76.494	0.69	-0.52	24.35	
1813.00	0.860	120.060	1809.95	8.51	17.31	76.44	1686386.26	14345468.35	39°30'14.2517"N	80°50'13.3085"W	78.37	77.243	0.09	-0.01	-5.63	
1908.00	0.970	124.810	1904.94	9.70	16.49	77.71	1686387.54	14345467.54	39°30'14.2436"N	80°50'13.2922"W	79.44	78.020	0.14	0.12	5.00	
2003.00	0.770	26.740	1999.93	9.90	16.60	78.66	1686388.49	14345467.65	39°30'14.2447"N	80°50'13.2801"W	80.39	78.083	1.39	-0.21	-103.23	
2098.00	1.550	350.430	2094.91	8.19	18.44	78.73	1686388.56	14345469.48	39°30'14.2628"N	80°50'13.2791"W	80.86	76.820	1.09	0.82	-38.22	
2193.00	1.560	345.930	2189.88	5.63	20.96	78.21	1686388.03	14345472.00	39°30'14.2877"N	80°50'13.2858"W	80.97	74.997	0.13	0.01	-4.74	
2288.00	1.550	346.880	2284.84	3.06	23.46	77.60	1686387.43	14345474.51	39°30'14.3125"N	80°50'13.2935"W	81.07	73.176	0.03	-0.01	1.00	
2383.00	1.440	341.350	2379.81	0.59	25.85	76.93	1686386.75	14345476.89	39°30'14.3361"N	80°50'13.3020"W	81.15	71.428	0.19	-0.12	-5.82	
2478.00	1.740	333.740	2474.77	-2.03	28.27	75.91	1686385.73	14345479.31	39°30'14.3601"N	80°50'13.3150"W	81.00	69.572	0.39	0.32	-8.01	
2572.00	1.680	328.110	2568.73	-4.79	30.72	74.55	1686384.38	14345481.76	39°30'14.3843"N	80°50'13.3323"W	80.63	67.603	0.19	-0.06	-5.99	

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Actual Wellpath Report

Prosper Unit 1H AWP Proj: 20968'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Prosper Unit 1H
Field	Tyler	API	47-095-02699-0000
Facility	Pyles Pad	Wellbore	Prosper Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (243 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
2738.00	1.400	333.360	2734.67	-9.17	34.60	72.35	1686382.18	14345485.64	39°30'14.4227"N	80°50'13.3602"W	80.20	64.442	0.19	-0.17	3.16	APS EM <8-3/4"> (2572')(2738'-6108')
2826.00	1.110	323.190	2822.65	-11.05	36.24	71.36	1686381.19	14345487.28	39°30'14.4389"N	80°50'13.3728"W	80.04	63.074	0.41	-0.33	-11.56	
2915.00	1.130	323.820	2911.63	-12.71	37.64	70.33	1686380.15	14345488.68	39°30'14.4528"N	80°50'13.3860"W	79.77	61.842	0.03	0.02	0.71	
3003.00	1.510	323.780	2999.61	-14.65	39.28	69.13	1686378.96	14345490.31	39°30'14.4690"N	80°50'13.4012"W	79.51	60.395	0.43	0.43	-0.05	
3090.00	2.740	13.490	3086.55	-17.49	42.22	68.94	1686378.77	14345493.26	39°30'14.4981"N	80°50'13.4036"W	80.84	58.512	2.42	1.41	57.14	
3180.00	4.660	18.840	3176.36	-22.20	47.78	70.62	1686380.45	14345498.81	39°30'14.5529"N	80°50'13.3820"W	85.26	55.920	2.17	2.13	5.94	
3269.00	4.770	10.680	3265.06	-28.27	54.84	72.47	1686382.30	14345505.87	39°30'14.6227"N	80°50'13.3582"W	90.88	52.887	0.76	0.12	-9.17	
3357.00	4.850	21.840	3352.75	-34.26	61.88	74.53	1686384.36	14345512.91	39°30'14.6923"N	80°50'13.3317"W	96.88	50.298	1.07	0.09	12.68	
3450.00	6.040	39.290	3445.34	-39.81	69.32	79.10	1686388.92	14345520.35	39°30'14.7657"N	80°50'13.2733"W	105.17	48.768	2.18	1.28	18.76	
3539.00	8.020	47.040	3533.67	-44.80	77.18	86.61	1686396.43	14345528.20	39°30'14.8432"N	80°50'13.1774"W	116.00	48.295	2.46	2.22	8.71	
3627.00	10.040	44.860	3620.57	-50.67	86.80	96.51	1686406.33	14345537.82	39°30'14.9381"N	80°50'13.0508"W	129.80	48.032	2.33	2.30	-2.48	
3716.00	10.640	48.400	3708.13	-57.25	97.75	108.13	1686417.94	14345548.77	39°30'15.0462"N	80°50'12.9023"W	145.76	47.884	0.98	0.67	3.98	
3804.00	11.640	52.800	3794.47	-63.15	108.51	121.27	1686431.08	14345559.52	39°30'15.1523"N	80°50'12.7344"W	162.73	48.178	1.49	1.14	5.00	
3893.00	12.980	55.700	3881.42	-68.59	119.58	136.68	1686446.49	14345570.58	39°30'15.2614"N	80°50'12.5375"W	181.61	48.819	1.66	1.51	3.26	
3981.00	14.000	56.710	3966.99	-73.83	130.99	153.74	1686463.54	14345581.99	39°30'15.3739"N	80°50'12.3196"W	201.98	49.570	1.19	1.16	1.15	
4070.00	13.810	61.660	4053.39	-78.22	141.94	172.09	1686481.88	14345592.94	39°30'15.4818"N	80°50'12.0852"W	223.08	50.485	1.35	-0.21	5.56	
4158.00	13.480	59.060	4138.91	-82.05	152.20	190.14	1686499.92	14345603.19	39°30'15.5828"N	80°50'11.8548"W	243.55	51.323	0.79	-0.37	-2.95	
4247.00	13.090	57.050	4225.52	-86.62	163.01	207.49	1686517.26	14345614.00	39°30'15.6894"N	80°50'11.6332"W	263.87	51.845	0.68	-0.44	-2.26	
4335.00	13.740	55.720	4311.12	-91.78	174.32	224.49	1686534.26	14345625.30	39°30'15.8009"N	80°50'11.4161"W	284.22	52.170	0.82	0.74	-1.51	
4424.00	15.020	54.890	4397.33	-97.77	186.91	242.66	1686552.42	14345637.89	39°30'15.9249"N	80°50'11.1840"W	306.29	52.394	1.46	1.44	-0.93	
4512.00	16.230	54.270	4482.08	-104.48	200.65	261.97	1686571.72	14345651.62	39°30'16.0604"N	80°50'10.9373"W	329.98	52.551	1.39	1.38	-0.70	
4601.00	15.580	49.060	4567.68	-112.53	215.74	281.09	1686590.84	14345666.71	39°30'16.2092"N	80°50'10.6930"W	354.34	52.493	1.76	-0.73	-5.85	
4689.00	15.940	46.160	4652.37	-122.03	231.86	298.74	1686608.48	14345682.82	39°30'16.3682"N	80°50'10.4675"W	378.16	52.184	0.98	0.41	-3.30	
4778.00	15.770	46.740	4737.98	-132.14	248.61	316.36	1686626.09	14345699.56	39°30'16.5334"N	80°50'10.2423"W	402.36	51.838	0.26	-0.19	0.65	
4866.00	15.950	49.210	4822.63	-141.54	264.70	334.22	1686643.95	14345715.65	39°30'16.6922"N	80°50'10.0140"W	426.35	51.621	0.79	0.20	2.81	
4955.00	15.480	50.760	4908.31	-150.19	280.21	352.68	1686662.40	14345731.15	39°30'16.8451"N	80°50'9.7782"W	450.44	51.533	0.71	-0.53	1.74	
5043.00	15.180	52.210	4993.18	-157.97	294.70	370.88	1686680.59	14345745.63	39°30'16.9879"N	80°50'9.5457"W	473.71	51.530	0.55	-0.34	1.65	
5131.00	16.220	50.860	5077.89	-165.92	309.51	389.52	1686699.22	14345760.44	39°30'17.1340"N	80°50'9.3075"W	497.52	51.529	1.25	1.18	-1.53	
5220.00	16.960	43.370	5163.20	-176.22	326.80	408.08	1686717.77	14345777.72	39°30'17.3045"N	80°50'9.0704"W	522.80	51.311	2.54	0.83	-8.42	
5308.00	16.710	41.620	5247.43	-188.39	345.59	425.29	1686734.98	14345796.50	39°30'17.4899"N	80°50'8.8503"W	548.00	50.903	0.64	-0.28	-1.99	

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Actual Wellpath Report

Prosper Unit 1H AWP Proj: 20968'

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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Prosper Unit 1H
Field	Tyler		API	47-095-02699-0000
Facility	Pyles Pad		Wellbore	Prosper Unit 1H AWB
Slot	Slot #03			

WELLPATH DATA (243 stations) † = interpolated, ‡ = extrapolated station																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]	Comments
5397.00	15.170	44.520	5333.00	-199.86	363.46	441.96	1686751.64	14345814.36	39°30'17.6662"N	80°50'8.6373"W	572.21	50.567	1.95	-1.73	3.26	
5486.00	14.270	46.310	5419.08	-209.64	379.34	458.05	1686767.73	14345830.24	39°30'17.8229"N	80°50'8.4316"W	594.73	50.370	1.13	-1.01	2.01	
5574.00	13.880	48.890	5504.44	-218.15	393.77	473.85	1686783.52	14345844.66	39°30'17.9652"N	80°50'8.2297"W	616.11	50.273	0.84	-0.44	2.93	
5663.00	15.090	48.190	5590.61	-226.66	408.51	490.53	1686800.19	14345859.40	39°30'18.1106"N	80°50'8.0166"W	638.36	50.213	1.37	1.36	-0.79	
5754.00	16.250	48.650	5678.23	-236.10	424.82	508.92	1686818.57	14345875.70	39°30'18.2715"N	80°50'7.7816"W	662.92	50.146	1.28	1.27	0.51	
5843.00	17.190	48.750	5763.46	-245.82	441.72	528.15	1686837.80	14345892.59	39°30'18.4382"N	80°50'7.5358"W	688.52	50.093	1.06	1.06	0.11	
5931.00	17.410	44.300	5847.48	-256.66	459.72	547.12	1686856.76	14345910.58	39°30'18.6157"N	80°50'7.2934"W	714.62	49.962	1.52	0.25	-5.06	
6020.00	16.770	60.970	5932.61	-264.89	475.48	567.66	1686877.29	14345926.35	39°30'18.7712"N	80°50'7.0310"W	740.49	50.050	5.53	-0.72	18.73	
6108.00	19.090	79.540	6016.39	-264.97	484.27	592.94	1686902.56	14345935.13	39°30'18.8575"N	80°50'6.7083"W	765.56	50.761	6.97	2.64	21.10	
6153.00	20.700	88.100	6058.72	-261.54	485.87	608.13	1686917.74	14345936.73	39°30'18.8731"N	80°50'6.5145"W	778.39	51.377	7.39	3.58	19.02	BH AT Curve <8-1/2"> (6108')(6153'-20920')
6234.00	20.070	101.340	6134.68	-250.31	483.61	636.08	1686945.68	14345934.47	39°30'18.8502"N	80°50'6.1580"W	799.04	52.754	5.73	-0.78	16.35	
6322.00	23.330	118.170	6216.52	-229.88	472.40	666.28	1686975.87	14345923.26	39°30'18.7389"N	80°50'5.7729"W	816.76	54.663	7.95	3.70	19.12	
6411.00	28.390	127.690	6296.61	-199.24	451.12	698.60	1687008.17	14345901.99	39°30'18.5280"N	80°50'5.3612"W	831.59	57.148	7.34	5.69	10.70	
6452.00†	31.639	131.026	6332.11	-181.78	438.10	714.43	1687024.00	14345888.97	39°30'18.3990"N	80°50'5.1595"W	838.05	58.483	8.90	7.92	8.14	Sycamore: 6452' MD
6499.00	35.450	134.160	6371.28	-158.93	420.50	733.51	1687043.08	14345871.39	39°30'18.2248"N	80°50'4.9164"W	845.50	60.176	8.90	8.11	6.67	
6588.00	41.860	140.990	6440.78	-107.92	379.39	770.78	1687080.33	14345830.29	39°30'17.8177"N	80°50'4.4420"W	859.09	63.793	8.64	7.20	7.67	
6600.00†	42.967	141.598	6449.64	-100.31	373.07	775.84	1687085.38	14345823.97	39°30'17.7552"N	80°50'4.3776"W	860.87	64.319	9.84	9.22	5.06	Middlesex: 6600' MD
6676.00	50.040	144.940	6501.92	-47.81	328.87	808.70	1687118.24	14345779.79	39°30'17.3177"N	80°50'3.9593"W	873.02	67.870	9.84	9.31	4.40	
6752.00†	57.684	148.566	6546.72	11.63	277.54	842.24	1687151.76	14345728.48	39°30'16.8098"N	80°50'3.5327"W	886.79	71.762	10.77	10.06	4.77	Burkett: 6752' MD
6764.00	58.900	149.080	6553.03	21.61	268.80	847.52	1687157.04	14345719.75	39°30'16.7234"N	80°50'3.4654"W	889.13	72.403	10.77	10.13	4.28	
6805.00†	62.836	149.921	6572.98	56.70	237.95	865.69	1687175.20	14345688.91	39°30'16.4181"N	80°50'3.2344"W	897.80	74.631	9.77	9.60	2.05	Tully: 6805' MD
6809.00	63.220	150.000	6574.80	60.20	234.86	867.48	1687176.99	14345685.82	39°30'16.3876"N	80°50'3.2117"W	898.71	74.851	9.77	9.61	1.97	
6853.00	66.520	150.570	6593.48	99.33	200.27	887.22	1687196.72	14345651.24	39°30'16.0453"N	80°50'2.9607"W	909.54	77.280	7.59	7.50	1.30	
6899.00	71.720	151.280	6609.87	141.63	162.72	908.09	1687217.59	14345613.71	39°30'15.6738"N	80°50'2.6952"W	922.56	79.841	11.40	11.30	1.54	
6941.00	75.730	152.790	6621.64	181.45	127.11	926.99	1687236.48	14345578.12	39°30'15.3216"N	80°50'2.4550"W	935.66	82.192	10.15	9.55	3.60	
6971.00†	77.946	152.982	6628.47	210.37	101.11	940.30	1687249.78	14345552.13	39°30'15.0644"N	80°50'2.2858"W	945.72	83.862	7.41	7.39	0.64	Marcus POE: 6971' MD
6985.00	78.980	153.070	6631.27	223.95	88.89	946.52	1687256.00	14345539.91	39°30'14.9434"N	80°50'2.2067"W	950.69	84.635	7.41	7.39	0.63	
7030.00	81.260	152.880	6638.99	267.84	49.40	966.67	1687276.14	14345500.43	39°30'14.5528"N	80°50'1.9506"W	967.93	87.075	5.08	5.07	-0.42	
7118.00	87.880	152.620	6647.31	354.49	-28.44	1006.76	1687316.21	14345422.63	39°30'13.7828"N	80°50'1.4410"W	1007.16	91.618	7.53	7.52	-0.30	
7206.00	89.200	155.440	6649.56	441.80	-107.52	1045.27	1687354.71	14345343.58	39°30'13.0005"N	80°50'0.9515"W	1050.79	95.873	3.54	1.50	3.20	

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Prosper Unit 1H AWP Proj: 20968'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Prosper Unit 1H
Field	Tyler	API	47-095-02699-0000
Facility	Pyles Pad	Wellbore	Prosper Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (243 stations)																	
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments	
7295.00	89.110	157.280	6650.87	530.49	-189.04	1080.96	1687390.38	14345262.09	39°30'12.1942"N	80°50'0.4982"W	1097.36	99.920	2.07	-0.10	2.07		
7383.00	88.680	156.960	6652.57	618.28	-270.10	1115.17	1687424.58	14345181.06	39°30'11.3924"N	80°50'0.0637"W	1147.41	103.615	0.61	-0.49	-0.36		
7472.00	88.610	157.070	6654.67	707.03	-352.01	1149.91	1687459.31	14345099.18	39°30'10.5822"N	80°49'59.6224"W	1202.58	107.020	0.15	-0.08	0.12		
7560.00	88.860	161.990	6656.61	794.96	-434.41	1180.67	1687490.05	14345016.82	39°30'9.7673"N	80°49'59.2320"W	1258.05	110.200	5.60	0.28	5.59		
7649.00	89.110	160.980	6658.19	883.94	-518.79	1208.92	1687518.30	14344932.47	39°30'8.9328"N	80°49'58.8735"W	1315.54	113.226	1.17	0.28	-1.13		
7737.00	88.770	160.920	6659.82	971.92	-601.95	1237.64	1687547.00	14344849.34	39°30'8.1103"N	80°49'58.5091"W	1376.26	115.937	0.39	-0.39	-0.07		
7825.00	87.630	160.130	6662.58	1059.87	-684.87	1266.97	1687576.32	14344766.45	39°30'7.2902"N	80°49'58.1370"W	1440.23	118.394	1.58	-1.30	-0.90		
7914.00	87.200	161.460	6666.60	1148.78	-768.83	1296.21	1687605.55	14344682.53	39°30'6.4599"N	80°49'57.7659"W	1507.07	120.674	1.57	-0.48	1.49		
8002.00	86.580	159.990	6671.37	1236.65	-851.78	1325.22	1687634.54	14344599.62	39°30'5.6396"N	80°49'57.3978"W	1575.35	122.731	1.81	-0.70	-1.67		
8091.00	89.600	160.040	6674.34	1325.57	-935.36	1355.61	1687664.93	14344516.07	39°30'4.8130"N	80°49'57.0120"W	1646.99	124.605	3.39	3.39	0.06		
8179.00	89.320	161.100	6675.17	1413.57	-1018.34	1384.89	1687694.19	14344433.12	39°30'3.9923"N	80°49'56.6406"W	1718.99	126.328	1.25	-0.32	1.20		
8268.00	89.450	161.010	6676.12	1502.56	-1102.52	1413.78	1687723.07	14344348.98	39°30'3.1598"N	80°49'56.2740"W	1792.85	127.948	0.18	0.15	-0.10		
8356.00	89.380	160.090	6677.02	1590.55	-1185.49	1443.08	1687752.36	14344266.04	39°30'2.3392"N	80°49'55.9022"W	1867.58	129.403	1.05	-0.08	-1.05		
8445.00	89.450	160.850	6677.93	1679.54	-1269.36	1472.83	1687782.10	14344182.20	39°30'1.5097"N	80°49'55.5246"W	1944.36	130.757	0.86	0.08	0.85		
8533.00	89.350	160.230	6678.85	1767.54	-1352.33	1502.15	1687811.40	14344099.26	39°30'0.6892"N	80°49'55.1526"W	2021.20	131.996	0.71	-0.11	-0.70		
8622.00	89.140	160.490	6680.02	1856.52	-1436.15	1532.06	1687841.30	14344015.48	39°29'59.8603"N	80°49'54.7731"W	2099.93	133.149	0.38	-0.24	0.29		
8710.00	89.420	159.640	6681.13	1944.50	-1518.87	1562.06	1687871.29	14343932.79	39°29'59.0422"N	80°49'54.3923"W	2178.76	134.197	1.02	0.32	-0.97		
8799.00	89.450	160.170	6682.01	2033.48	-1602.44	1592.64	1687901.86	14343849.25	39°29'58.2156"N	80°49'54.0043"W	2259.27	135.176	0.60	0.03	0.60		
8887.00	89.570	159.150	6682.76	2121.45	-1684.95	1623.22	1687932.43	14343766.77	39°29'57.3995"N	80°49'53.6160"W	2339.64	136.069	1.17	0.14	-1.16		
8976.00	89.630	157.510	6683.38	2210.35	-1767.66	1656.08	1687965.28	14343684.10	39°29'56.5815"N	80°49'53.1988"W	2422.24	136.867	1.84	0.07	-1.84		
9064.00	90.060	161.120	6683.62	2298.30	-1849.97	1687.16	1687996.35	14343601.82	39°29'55.7674"N	80°49'52.8043"W	2503.78	137.635	4.13	0.49	4.10		
9153.00	89.750	158.440	6683.77	2387.27	-1933.48	1717.92	1688027.09	14343518.35	39°29'54.9415"N	80°49'52.4139"W	2586.42	138.379	3.03	-0.35	-3.01		
9241.00	89.290	157.520	6684.50	2475.14	-2015.06	1750.91	1688060.07	14343436.80	39°29'54.1347"N	80°49'51.9950"W	2669.48	139.012	1.17	-0.52	-1.05		
9330.00	89.450	159.190	6685.48	2564.04	-2097.77	1783.74	1688092.88	14343354.12	39°29'53.3165"N	80°49'51.5783"W	2753.61	139.625	1.88	0.18	1.88		
9418.00	89.750	159.650	6686.10	2652.00	-2180.15	1814.67	1688123.80	14343271.77	39°29'52.5018"N	80°49'51.1857"W	2836.56	140.227	0.62	0.34	0.52		
9506.00	90.520	159.960	6685.89	2739.98	-2262.74	1845.05	1688154.17	14343189.21	39°29'51.6849"N	80°49'50.8001"W	2919.63	140.806	0.94	0.87	0.35		
9595.00	89.910	162.040	6685.56	2828.97	-2346.89	1874.02	1688183.13	14343105.10	39°29'50.8528"N	80°49'50.4326"W	3003.31	141.392	2.44	-0.69	2.34		
9684.00	89.600	162.010	6685.94	2917.96	-2431.54	1901.49	1688210.59	14343020.48	39°29'50.0156"N	80°49'50.0842"W	3086.76	141.974	0.35	-0.35	-0.03		
9772.00	89.780	161.990	6686.41	3005.94	-2515.24	1928.68	1688237.77	14342936.82	39°29'49.1879"N	80°49'49.7394"W	3169.58	142.519	0.21	0.20	-0.02		
9861.00	90.680	163.580	6686.06	3094.90	-2600.24	1955.02	1688264.10	14342851.85	39°29'48.3473"N	80°49'49.4054"W	3253.21	143.062	2.05	1.01	1.79		

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Field	Tyler	API	47-095-02699-0000
Facility	Pyles Pad	Wellbore	Prosper Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (243 stations)																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
9949.00	90.370	163.750	6685.25	3182.80	-2684.69	1979.77	1688288.84	14342767.44	39°29'47.5122"N	80°49'49.0917"W	3335.72	143.594	0.40	-0.35	0.19	
10038.00	90.340	162.540	6684.70	3271.73	-2769.86	2005.57	1688314.63	14342682.30	39°29'46.6699"N	80°49'48.7646"W	3419.72	144.093	1.36	-0.03	-1.36	
10126.00	90.280	162.400	6684.22	3359.70	-2853.77	2032.08	1688341.12	14342598.42	39°29'45.8401"N	80°49'48.4285"W	3503.34	144.547	0.17	-0.07	-0.16	
10215.00	89.850	161.870	6684.12	3448.69	-2938.48	2059.38	1688368.42	14342513.75	39°29'45.0024"N	80°49'48.0823"W	3588.28	144.976	0.77	-0.48	-0.60	
10303.00	89.510	161.390	6684.61	3536.68	-3022.00	2087.11	1688396.14	14342430.26	39°29'44.1765"N	80°49'47.7305"W	3672.67	145.369	0.67	-0.39	-0.55	
10391.00	89.660	161.940	6685.25	3624.67	-3105.53	2114.80	1688423.81	14342346.77	39°29'43.3504"N	80°49'47.3795"W	3757.21	145.746	0.65	0.17	0.62	
10480.00	88.890	162.140	6686.38	3713.65	-3190.18	2142.24	1688451.24	14342262.15	39°29'42.5132"N	80°49'47.0315"W	3842.71	146.118	0.89	-0.87	0.22	
10568.00	89.110	162.310	6687.91	3801.61	-3273.97	2169.10	1688478.09	14342178.39	39°29'41.6846"N	80°49'46.6909"W	3927.32	146.474	0.32	0.25	0.19	
10657.00	88.680	162.400	6689.63	3890.57	-3358.76	2196.07	1688505.05	14342093.63	39°29'40.8460"N	80°49'46.3489"W	4012.98	146.822	0.49	-0.48	0.10	
10745.00	88.340	162.110	6691.92	3978.52	-3442.55	2222.88	1688531.85	14342009.88	39°29'40.0175"N	80°49'46.0089"W	4097.85	147.149	0.51	-0.39	-0.33	
10834.00	89.970	163.020	6693.23	4067.48	-3527.45	2249.54	1688558.50	14341925.02	39°29'39.1779"N	80°49'45.6708"W	4183.70	147.473	2.10	1.83	1.02	
10922.00	89.780	162.910	6693.42	4155.42	-3611.59	2275.32	1688584.27	14341840.91	39°29'38.3458"N	80°49'45.3440"W	4268.57	147.789	0.25	-0.22	-0.13	
11011.00	89.880	161.980	6693.68	4244.40	-3696.44	2302.17	1688611.11	14341756.09	39°29'37.5067"N	80°49'45.0037"W	4354.73	148.085	1.05	0.11	-1.04	
11099.00	90.120	161.830	6693.68	4332.38	-3780.09	2329.50	1688638.43	14341672.48	39°29'36.6795"N	80°49'44.6570"W	4440.23	148.356	0.32	0.27	-0.17	
11276.00	89.690	161.470	6693.98	4509.37	-3948.09	2385.22	1688694.13	14341504.54	39°29'35.0180"N	80°49'43.9503"W	4612.66	148.862	0.32	-0.24	-0.20	
11365.00	90.090	160.920	6694.15	4598.37	-4032.33	2413.91	1688722.80	14341420.33	39°29'34.1848"N	80°49'43.5864"W	4699.65	149.094	0.76	0.45	-0.62	
11453.00	89.720	161.490	6694.29	4686.37	-4115.64	2442.26	1688751.15	14341337.06	39°29'33.3609"N	80°49'43.2268"W	4785.72	149.315	0.77	-0.42	0.65	
11542.00	89.600	162.310	6694.82	4775.36	-4200.24	2469.91	1688778.78	14341252.50	39°29'32.5243"N	80°49'42.8762"W	4872.62	149.543	0.93	-0.13	0.92	
11630.00	89.170	162.240	6695.77	4863.33	-4284.05	2496.70	1688805.56	14341168.71	39°29'31.6954"N	80°49'42.5365"W	4958.49	149.767	0.50	-0.49	-0.08	
11719.00	89.290	161.860	6696.96	4952.31	-4368.71	2524.13	1688832.98	14341084.09	39°29'30.8582"N	80°49'42.1888"W	5045.48	149.982	0.45	0.13	-0.43	
11807.00	89.230	162.160	6698.10	5040.29	-4452.40	2551.31	1688860.14	14341000.43	39°29'30.0305"N	80°49'41.8441"W	5131.58	150.187	0.35	-0.07	0.34	
11896.00	89.720	161.540	6698.92	5129.27	-4536.97	2579.03	1688887.86	14340915.89	39°29'29.1942"N	80°49'41.4926"W	5218.76	150.384	0.89	0.55	-0.70	
11984.00	89.350	161.480	6699.63	5217.27	-4620.43	2606.94	1688915.75	14340832.47	39°29'28.3689"N	80°49'41.1387"W	5305.13	150.567	0.43	-0.42	-0.07	
12072.00	90.030	162.660	6700.11	5305.25	-4704.15	2634.03	1688942.83	14340748.78	39°29'27.5409"N	80°49'40.7952"W	5391.39	150.754	1.55	0.77	1.34	
12161.00	90.370	163.250	6699.80	5394.20	-4789.24	2660.11	1688968.91	14340663.73	39°29'26.6994"N	80°49'40.4645"W	5478.41	150.951	0.77	0.38	0.66	
12249.00	89.260	162.760	6700.08	5482.14	-4873.39	2685.83	1688994.62	14340579.61	39°29'25.8672"N	80°49'40.1385"W	5564.50	151.140	1.38	-1.26	-0.56	
12338.00	88.920	159.440	6701.49	5571.12	-4957.57	2714.66	1689023.43	14340495.46	39°29'25.0347"N	80°49'39.7729"W	5652.16	151.296	3.75	-0.38	-3.73	
12426.00	90.060	161.310	6702.28	5659.10	-5040.45	2744.21	1689052.97	14340412.61	39°29'24.2150"N	80°49'39.3980"W	5739.06	151.434	2.49	1.30	2.13	
12515.00	89.110	161.620	6702.92	5748.10	-5124.83	2772.50	1689081.25	14340328.27	39°29'23.3805"N	80°49'39.0392"W	5826.72	151.587	1.12	-1.07	0.35	
12603.00	88.860	162.100	6704.48	5836.07	-5208.45	2799.89	1689108.63	14340244.69	39°29'22.5536"N	80°49'38.6918"W	5913.32	151.739	0.61	-0.28	0.55	

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Actual Wellpath Report

Prosper Unit 1H AWP Proj: 20968'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Prosper Unit 1H
Field	Tyler	API	47-095-02699-0000
Facility	Pyles Pad	Wellbore	Prosper Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (243 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
12692.00	89.570	163.810	6705.70	5925.01	-5293.52	2825.98	1689134.70	14340159.64	39°29'21.7123"N	80°49'38.3612"W	6000.63	151.904	2.08	0.80	1.92	
12780.00	89.020	162.410	6706.78	6012.94	-5377.72	2851.54	1689160.26	14340075.48	39°29'20.8796"N	80°49'38.0372"W	6086.97	152.065	1.71	-0.62	-1.59	
12868.00	89.020	159.930	6708.29	6100.92	-5460.99	2879.94	1689188.64	14339992.24	39°29'20.0561"N	80°49'37.6771"W	6173.85	152.194	2.82	0.00	-2.82	
12957.00	89.200	160.560	6709.67	6189.90	-5544.74	2910.02	1689218.71	14339908.53	39°29'19.2278"N	80°49'37.2955"W	6261.98	152.308	0.74	0.20	0.71	
13045.00	88.830	160.100	6711.18	6277.88	-5627.60	2939.63	1689248.31	14339825.71	39°29'18.4084"N	80°49'36.9198"W	6349.12	152.419	0.67	-0.42	-0.52	
13134.00	89.200	160.460	6712.71	6366.86	-5711.36	2969.66	1689278.33	14339741.97	39°29'17.5799"N	80°49'36.5388"W	6437.28	152.528	0.58	0.42	0.40	
13222.00	90.000	160.530	6713.33	6454.85	-5794.31	2999.04	1689307.70	14339659.06	39°29'16.7595"N	80°49'36.1661"W	6524.44	152.635	0.91	0.91	0.08	
13311.00	90.220	160.120	6713.16	6543.85	-5878.11	3029.00	1689337.65	14339575.29	39°29'15.9307"N	80°49'35.7860"W	6612.65	152.738	0.52	0.25	-0.46	
13399.00	89.720	160.230	6713.20	6631.84	-5960.90	3058.85	1689367.48	14339492.54	39°29'15.1120"N	80°49'35.4074"W	6699.92	152.835	0.58	-0.57	0.12	
13488.00	89.540	159.640	6713.78	6720.82	-6044.49	3089.38	1689398.01	14339408.97	39°29'14.2852"N	80°49'35.0200"W	6788.24	152.928	0.69	-0.20	-0.66	
13576.00	89.630	160.470	6714.41	6808.80	-6127.21	3119.40	1689428.01	14339326.29	39°29'13.4670"N	80°49'34.6392"W	6875.57	153.019	0.95	0.10	0.94	
13665.00	90.280	160.420	6714.48	6897.80	-6211.08	3149.19	1689457.79	14339242.46	39°29'12.6376"N	80°49'34.2613"W	6963.83	153.114	0.73	0.73	-0.06	
13753.00	89.850	160.450	6714.38	6985.79	-6294.00	3178.66	1689487.25	14339159.57	39°29'11.8175"N	80°49'33.8875"W	7051.12	153.205	0.49	-0.49	0.03	
13842.00	89.720	160.850	6714.72	7074.79	-6377.97	3208.15	1689516.72	14339075.63	39°29'10.9870"N	80°49'33.5134"W	7139.38	153.297	0.47	-0.15	0.45	
13930.00	90.060	160.650	6714.89	7162.79	-6461.05	3237.16	1689545.72	14338992.59	39°29'10.1654"N	80°49'33.1455"W	7226.64	153.388	0.45	0.39	-0.23	
14019.00	89.320	160.170	6715.37	7251.78	-6544.90	3267.00	1689575.55	14338908.77	39°29'9.3361"N	80°49'32.7669"W	7314.98	153.473	0.99	-0.83	-0.54	
14107.00	89.970	161.630	6715.91	7339.78	-6628.05	3295.79	1689604.33	14338825.65	39°29'8.5138"N	80°49'32.4018"W	7402.25	153.561	1.82	0.74	1.66	
14196.00	90.150	159.720	6715.82	7428.77	-6712.03	3325.24	1689633.77	14338741.71	39°29'7.6832"N	80°49'32.0282"W	7490.57	153.645	2.16	0.20	-2.15	
14284.00	90.340	160.750	6715.44	7516.76	-6794.84	3355.00	1689663.52	14338658.93	39°29'6.8641"N	80°49'31.6507"W	7577.99	153.722	1.19	0.22	1.17	
14372.00	90.250	159.330	6714.99	7604.75	-6877.55	3385.04	1689693.55	14338576.25	39°29'6.0461"N	80°49'31.2696"W	7665.46	153.794	1.62	-0.10	-1.61	
14461.00	90.250	159.780	6714.60	7693.72	-6960.95	3416.13	1689724.62	14338492.89	39°29'5.2213"N	80°49'30.8752"W	7754.01	153.860	0.51	0.00	0.51	
14549.00	90.220	160.120	6714.24	7781.70	-7043.61	3446.30	1689754.78	14338410.26	39°29'4.4037"N	80°49'30.4925"W	7841.52	153.928	0.39	-0.03	0.39	
14638.00	90.180	160.100	6713.93	7870.69	-7127.30	3476.58	1689785.05	14338326.60	39°29'3.5760"N	80°49'30.1084"W	7930.01	153.998	0.05	-0.04	-0.02	
14814.00	90.090	160.650	6713.52	8046.68	-7293.08	3535.69	1689844.13	14338160.89	39°29'1.9364"N	80°49'29.3586"W	8104.94	154.136	0.32	-0.05	0.31	
14903.00	90.120	159.550	6713.35	8135.67	-7376.76	3565.98	1689874.41	14338077.24	39°29'1.1088"N	80°49'28.9743"W	8193.46	154.201	1.24	0.03	-1.24	
14991.00	90.430	159.610	6712.93	8223.64	-7459.23	3596.69	1689905.11	14337994.80	39°29'0.2931"N	80°49'28.5848"W	8281.08	154.258	0.36	0.35	0.07	
15080.00	90.460	160.470	6712.24	8312.62	-7542.88	3627.07	1689935.47	14337911.19	39°28'59.4658"N	80°49'28.1994"W	8369.63	154.319	0.97	0.03	0.97	
15168.00	90.430	159.580	6711.56	8400.60	-7625.58	3657.13	1689965.52	14337828.52	39°28'58.6478"N	80°49'27.8181"W	8457.19	154.378	1.01	-0.03	-1.01	
15257.00	90.430	160.370	6710.89	8489.59	-7709.20	3687.60	1689995.98	14337744.93	39°28'57.8208"N	80°49'27.4315"W	8545.77	154.436	0.89	0.00	0.89	
15345.00	90.370	160.650	6710.27	8577.58	-7792.16	3716.96	1690025.33	14337662.01	39°28'57.0004"N	80°49'27.0591"W	8633.28	154.498	0.33	-0.07	0.32	

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Actual Wellpath Report

Prosper Unit 1H AWP Proj: 20968'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Prosper Unit 1H
Field	Tyler	API	47-095-02699-0000
Facility	Pyles Pad	Wellbore	Prosper Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (243 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]	Comments
15434.00	90.400	160.040	6709.68	8666.57	-7875.97	3746.90	1690055.26	14337578.23	39°28'56.1714"N	80°49'26.6794"W	8721.82	154.558	0.69	0.03	-0.69	
15522.00	90.250	161.010	6709.18	8754.57	-7958.93	3776.23	1690084.58	14337495.30	39°28'55.3509"N	80°49'26.3073"W	8809.34	154.617	1.12	-0.17	1.10	
15610.00	90.030	160.910	6708.96	8842.57	-8042.12	3804.94	1690113.28	14337412.15	39°28'54.5282"N	80°49'25.9433"W	8896.81	154.680	0.27	-0.25	-0.11	
15699.00	90.000	161.070	6708.94	8931.57	-8126.26	3833.93	1690142.26	14337328.04	39°28'53.6960"N	80°49'25.5757"W	8985.27	154.742	0.18	-0.03	0.18	
15787.00	89.690	160.430	6709.18	9019.56	-8209.34	3862.94	1690171.26	14337244.99	39°28'52.8743"N	80°49'25.2077"W	9072.80	154.800	0.81	-0.35	-0.73	
15876.00	89.910	160.530	6709.49	9108.56	-8293.22	3892.68	1690200.98	14337161.14	39°28'52.0447"N	80°49'24.8306"W	9161.36	154.856	0.27	0.25	0.11	
15964.00	90.090	160.260	6709.49	9196.55	-8376.12	3922.21	1690230.50	14337078.28	39°28'51.2248"N	80°49'24.4561"W	9248.95	154.908	0.37	0.20	-0.31	
16053.00	90.220	159.420	6709.25	9285.54	-8459.67	3952.88	1690261.16	14336994.76	39°28'50.3985"N	80°49'24.0670"W	9337.63	154.955	0.96	0.15	-0.94	
16141.00	90.150	159.960	6708.96	9373.51	-8542.20	3983.43	1690291.69	14336912.27	39°28'49.5823"N	80°49'23.6795"W	9425.33	154.999	0.62	-0.08	0.61	
16230.00	90.090	160.930	6708.78	9462.51	-8626.06	4013.22	1690321.47	14336828.44	39°28'48.7528"N	80°49'23.3017"W	9513.93	155.050	1.09	-0.07	1.09	
16318.00	90.030	160.340	6708.68	9550.50	-8709.08	4042.39	1690350.64	14336745.45	39°28'47.9317"N	80°49'22.9316"W	9601.52	155.101	0.67	-0.07	-0.67	
16406.00	90.770	160.010	6708.07	9638.49	-8791.87	4072.24	1690380.47	14336662.70	39°28'47.1130"N	80°49'22.5531"W	9689.17	155.147	0.92	0.84	-0.37	
16495.00	90.710	159.720	6706.92	9727.47	-8875.42	4102.87	1690411.09	14336579.18	39°28'46.2866"N	80°49'22.1645"W	9777.86	155.190	0.33	-0.07	-0.33	
16583.00	90.550	160.640	6705.95	9815.45	-8958.20	4132.71	1690440.91	14336496.43	39°28'45.4679"N	80°49'21.7861"W	9865.53	155.235	1.06	-0.18	1.05	
16672.00	90.180	160.220	6705.39	9904.44	-9042.06	4162.52	1690470.71	14336412.61	39°28'44.6385"N	80°49'21.4081"W	9954.16	155.281	0.63	-0.42	-0.47	
16760.00	90.220	160.410	6705.08	9992.44	-9124.91	4192.16	1690500.34	14336329.79	39°28'43.8190"N	80°49'21.0321"W	10041.83	155.325	0.22	0.05	0.22	
16849.00	90.430	159.590	6704.57	10081.42	-9208.54	4222.60	1690530.77	14336246.19	39°28'42.9919"N	80°49'20.6460"W	10130.53	155.366	0.95	0.24	-0.92	
16937.00	90.520	159.580	6703.84	10169.39	-9291.01	4253.30	1690561.45	14336163.75	39°28'42.1762"N	80°49'20.2567"W	10218.29	155.402	0.10	0.10	-0.01	
17026.00	90.710	159.890	6702.89	10258.36	-9374.50	4284.12	1690592.27	14336080.30	39°28'41.3505"N	80°49'19.8657"W	10307.03	155.440	0.41	0.21	0.35	
17114.00	90.620	160.040	6701.87	10346.34	-9457.17	4314.27	1690622.40	14335997.66	39°28'40.5328"N	80°49'19.4833"W	10394.76	155.478	0.20	-0.10	0.17	
17203.00	90.830	161.180	6700.74	10435.33	-9541.11	4343.81	1690651.93	14335913.75	39°28'39.7026"N	80°49'19.1086"W	10483.39	155.522	1.30	0.24	1.28	
17291.00	90.920	161.020	6699.40	10523.32	-9624.36	4372.31	1690680.42	14335830.54	39°28'38.8793"N	80°49'18.7473"W	10570.97	155.568	0.21	0.10	-0.18	
17380.00	90.770	160.560	6698.09	10612.31	-9708.39	4401.59	1690709.69	14335746.54	39°28'38.0482"N	80°49'18.3760"W	10659.59	155.611	0.54	-0.17	-0.52	
17468.00	90.460	160.350	6697.14	10700.30	-9791.32	4431.03	1690739.12	14335663.65	39°28'37.2280"N	80°49'18.0027"W	10747.28	155.651	0.43	-0.35	-0.24	
17557.00	90.310	160.660	6696.54	10789.30	-9875.21	4460.73	1690768.81	14335579.78	39°28'36.3983"N	80°49'17.6260"W	10835.96	155.691	0.39	-0.17	0.35	
17645.00	90.620	159.630	6695.83	10877.28	-9957.98	4490.62	1690798.68	14335497.05	39°28'35.5797"N	80°49'17.2470"W	10923.69	155.727	1.22	0.35	-1.17	
17734.00	89.290	159.880	6695.90	10966.26	-10041.48	4521.42	1690829.47	14335413.59	39°28'34.7538"N	80°49'16.8564"W	11012.47	155.759	1.52	-1.49	0.28	
17822.00	89.420	159.410	6696.89	11054.23	-10123.98	4552.02	1690860.06	14335331.12	39°28'33.9379"N	80°49'16.4681"W	11100.26	155.790	0.55	0.15	-0.53	
17999.00	89.660	160.860	6698.31	11231.20	-10290.44	4612.17	1690920.18	14335164.73	39°28'32.2915"N	80°49'15.7054"W	11276.75	155.858	0.83	0.14	0.82	
18088.00	89.480	160.610	6698.98	11320.19	-10374.45	4641.53	1690949.53	14335080.75	39°28'31.4606"N	80°49'15.3331"W	11365.43	155.896	0.35	-0.20	-0.28	

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Actual Wellpath Report

Prosper Unit 1H AWP Proj: 20968'

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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Prosper Unit 1H
Field	Tyler		API	47-095-02699-0000
Facility	Pyles Pad		Wellbore	Prosper Unit 1H AWB
Slot	Slot #03			

WELLPATH DATA (243 stations)																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
18176.00	89.350	160.990	6699.88	11408.19	-10457.55	4670.47	1690978.46	14334997.68	39°28'30.6387"N	80°49'14.9661"W	11453.11	155.934	0.46	-0.15	0.43	
18265.00	89.480	162.100	6700.79	11497.18	-10541.97	4698.64	1691006.62	14334913.30	39°28'29.8038"N	80°49'14.6090"W	11541.68	155.977	1.26	0.15	1.25	
18353.00	89.820	162.180	6701.32	11585.16	-10625.72	4725.63	1691033.60	14334829.57	39°28'28.9755"N	80°49'14.2670"W	11629.17	156.024	0.40	0.39	0.09	
18442.00	90.310	162.090	6701.22	11674.14	-10710.43	4752.93	1691060.89	14334744.90	39°28'28.1377"N	80°49'13.9210"W	11717.67	156.070	0.56	0.55	-0.10	
18530.00	89.970	161.890	6701.01	11762.13	-10794.12	4780.14	1691088.09	14334661.24	39°28'27.3101"N	80°49'13.5761"W	11805.20	156.114	0.45	-0.39	-0.23	
18619.00	89.940	161.460	6701.08	11851.12	-10878.61	4808.12	1691116.06	14334576.79	39°28'26.4745"N	80°49'13.2215"W	11893.78	156.156	0.48	-0.03	-0.48	
18707.00	90.060	161.800	6701.08	11939.12	-10962.12	4835.85	1691143.78	14334493.31	39°28'25.6486"N	80°49'12.8699"W	11981.39	156.196	0.41	0.14	0.39	
18796.00	90.030	161.370	6701.01	12028.11	-11046.57	4863.97	1691171.88	14334408.90	39°28'24.8134"N	80°49'12.5136"W	12070.00	156.235	0.48	-0.03	-0.48	
18884.00	90.000	161.830	6700.98	12116.11	-11130.07	4891.75	1691199.65	14334325.43	39°28'23.9876"N	80°49'12.1615"W	12157.61	156.274	0.52	-0.03	0.52	
18973.00	89.970	161.240	6701.01	12205.10	-11214.48	4919.93	1691227.83	14334241.05	39°28'23.1527"N	80°49'11.8042"W	12246.24	156.312	0.66	-0.03	-0.66	
19061.00	90.060	161.500	6700.98	12293.10	-11297.87	4948.05	1691255.93	14334157.69	39°28'22.3280"N	80°49'11.4478"W	12333.90	156.348	0.31	0.10	0.30	
19150.00	90.120	161.750	6700.84	12382.09	-11382.33	4976.10	1691283.97	14334073.27	39°28'21.4927"N	80°49'11.0922"W	12422.53	156.386	0.29	0.07	0.28	
19238.00	90.090	161.830	6700.68	12470.09	-11465.93	5003.60	1691311.46	14333989.71	39°28'20.6660"N	80°49'10.7437"W	12510.14	156.424	0.10	-0.03	0.09	
19327.00	90.250	161.810	6700.42	12559.08	-11550.48	5031.37	1691339.22	14333905.18	39°28'19.8297"N	80°49'10.3917"W	12598.74	156.462	0.18	0.18	-0.02	
19415.00	90.090	161.710	6700.16	12647.07	-11634.06	5058.91	1691366.75	14333821.64	39°28'19.0031"N	80°49'10.0426"W	12686.37	156.499	0.21	-0.18	-0.11	
19504.00	90.310	161.980	6699.85	12736.06	-11718.63	5086.65	1691394.47	14333737.10	39°28'18.1668"N	80°49'9.6912"W	12774.99	156.536	0.39	0.25	0.30	
19593.00	90.030	162.060	6699.58	12825.04	-11803.28	5114.12	1691421.93	14333652.49	39°28'17.3296"N	80°49'9.3430"W	12863.58	156.574	0.33	-0.31	0.09	
19681.00	90.250	162.150	6699.37	12913.03	-11887.03	5141.16	1691448.96	14333568.78	39°28'16.5014"N	80°49'9.0004"W	12951.17	156.611	0.27	0.25	0.10	
19770.00	89.600	161.960	6699.48	13002.01	-11971.70	5168.58	1691476.37	14333484.14	39°28'15.6640"N	80°49'8.6529"W	13039.77	156.649	0.76	-0.73	-0.21	
19858.00	89.570	162.470	6700.12	13089.99	-12055.49	5195.46	1691503.24	14333400.38	39°28'14.8353"N	80°49'8.3123"W	13127.36	156.686	0.58	-0.03	0.58	
19947.00	89.480	162.050	6700.86	13178.97	-12140.25	5222.57	1691530.35	14333315.65	39°28'13.9970"N	80°49'7.9687"W	13215.94	156.723	0.48	-0.10	-0.47	
20035.00	89.510	162.150	6701.64	13266.95	-12223.99	5249.62	1691557.38	14333231.95	39°28'13.1689"N	80°49'7.6260"W	13303.55	156.759	0.12	0.03	0.11	
20124.00	89.570	161.460	6702.35	13355.93	-12308.54	5277.41	1691585.16	14333147.43	39°28'12.3327"N	80°49'7.2738"W	13392.20	156.792	0.78	0.07	-0.78	
20212.00	89.630	162.140	6702.96	13443.92	-12392.13	5304.89	1691612.63	14333063.87	39°28'11.5060"N	80°49'6.9255"W	13479.87	156.825	0.78	0.07	0.77	
20301.00	89.170	162.290	6703.90	13532.90	-12476.87	5332.08	1691639.80	14332979.17	39°28'10.6679"N	80°49'6.5810"W	13568.47	156.860	0.54	-0.52	0.17	
20389.00	89.420	162.060	6704.98	13620.87	-12560.64	5359.01	1691666.73	14332895.43	39°28'9.8394"N	80°49'6.2397"W	13656.09	156.894	0.39	0.28	-0.26	
20478.00	89.420	162.190	6705.88	13709.85	-12645.34	5386.33	1691694.04	14332810.76	39°28'9.0018"N	80°49'5.8936"W	13744.72	156.928	0.15	0.00	0.15	
20566.00	89.260	161.960	6706.89	13797.83	-12729.06	5413.41	1691721.11	14332727.07	39°28'8.1738"N	80°49'5.5504"W	13832.36	156.961	0.32	-0.18	-0.26	
20654.00	89.320	162.160	6707.98	13885.81	-12812.78	5440.52	1691748.20	14332643.39	39°28'7.3458"N	80°49'5.2069"W	13920.00	156.993	0.24	0.07	0.23	
20743.00	89.200	162.100	6709.13	13974.79	-12897.48	5467.82	1691775.50	14332558.73	39°28'6.5082"N	80°49'4.8609"W	14008.64	157.026	0.15	-0.13	-0.07	

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Actual Wellpath Report

Prosper Unit 1H AWP Proj: 20968'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Prosper Unit 1H
Field	Tyler	API	47-095-02699-0000
Facility	Pyles Pad	Wellbore	Prosper Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (243 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
20831.00	89.350	162.240	6710.25	14062.76	-12981.25	5494.77	1691802.43	14332474.99	39°28'5.6797"N	80°49'4.5195"W	14096.28	157.058	0.23	0.17	0.16	
20920.00	89.380	162.000	6711.23	14151.74	-13065.94	5522.09	1691829.74	14332390.33	39°28'4.8421"N	80°49'4.1733"W	14184.93	157.090	0.27	0.03	-0.27	
20968.00 ‡	89.380	162.000	6711.75	14199.73	-13111.59	5536.92	1691844.57	14332344.70	39°28'4.3906"N	80°49'3.9854"W	14232.75	157.106	0.00	0.00	0.00	Projected MD at TD: 20968'

HOLE & CASING SECTIONS - Ref Wellbore: Prosper Unit 1H AWB Ref Wellpath: Prosper Unit 1H AWP Proj: 20968'

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
20in Conductor	25.50	105.50	80.00	25.50	105.50	0.00	0.00	-0.01	-0.02
17.5in Open Hole	105.50	391.50	286.00	105.50	391.50	-0.01	-0.02	-0.04	-0.18
13.375in Casing Surface	25.50	371.00	345.50	25.50	371.00	0.00	0.00	-0.07	-0.18
12.25in Open Hole	391.50	2650.00	2258.50	391.50	2646.70	-0.04	-0.18	32.61	73.42
9.625in Casing Intermediate	25.50	2632.00	2606.50	25.50	2628.71	0.00	0.00	32.18	73.67
8.75in Open Hole	2650.00	6178.00	3528.00	2646.70	6082.13	32.61	73.42	485.85	616.90
8.5in Open Hole	6178.00	20968.00	14790.00	6082.13	6711.75	485.85	616.90	-13111.59	5536.92
5.5in Casing Production	25.50	20968.00	20942.50	25.50	6711.75	0.00	0.00	-13111.59	5536.92

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Actual Wellpath Report

Prosper Unit 1H AWP Proj: 20968'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Prosper Unit 1H
Field	Tyler	API	47-095-02699-0000
Facility	Pyles Pad	Wellbore	Prosper Unit 1H AWB
Slot	Slot #03		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Prosper Unit 1H POE Rev-2	6625.00	71.35	941.16	1687250.65	14345522.37	39°30'14.7702"N	80°50'2.2755"W	point
Prosper Unit 1H AZI Rev-1	6650.00	-406.38	1174.02	1687483.41	14345044.83	39°30'10.0444"N	80°49'59.3161"W	point
Prosper Unit 1H BHL Rev-2	6650.00	-13091.68	5539.23	1691846.88	14332364.60	39°28'4.5874"N	80°49'3.9554"W	point
Prosper Unit 1H LP Rev-2	6650.00	-92.17	1033.06	1687342.50	14345358.92	39°30'13.1524"N	80°50'1.1070"W	point
Prosper Unit 1H 50' L/R Hard Line	7000.00	-6749.03	3356.63	1689665.14	14338704.72	39°29'7.3169"N	80°49'31.6289"W	rectangle
2D Rectangle 13415.4 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Prosper Unit 1H AWB Ref Wellpath: Prosper Unit 1H AWP Proj: 20968'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	382.00	Gyrodata 2015 - CT+WIR+DPIPE	01_Gyrodata MS Gyro <17-1/2"> (100'-382')	Prosper Unit 1H AWB	10/Aug/2020
382.00	2572.00	BH NaviTrak (2019) (Axial)	02_APS EM <12-1/4">(382')(417'-2572')	Prosper Unit 1H AWB	10/Aug/2020
2572.00	6108.00	BH NaviTrak (2019) (Axial)	03_APS EM <8-3/4"> (2572')(2738'-6108')	Prosper Unit 1H AWB	10/Aug/2020
6108.00	20968.00	BH AutoTrak Curve (2019) (Short spacing)	04_BH AT Curve <8-1/2"> (6108')(6153'-20920')	Prosper Unit 1H AWB	10/Aug/2020

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Actual Wellpath Report

Prosper Unit 1H AWP Proj: 20968'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Prosper Unit 1H
Field	Tyler	API	47-095-02699-0000
Facility	Pyles Pad	Wellbore	Prosper Unit 1H AWB
Slot	Slot #03		

COMMENTS
<p>Wellpath general comments API: 47-095-02699-0000 BH Job #: 110531846-B Rig: H&P 317 Duration: 10/6/2020-10/12/2020 Gyrodata MS Gyro <17-1/2"> (100'-382') APS EM <12-1/4"> (382')(417'-2572') APS EM <8-3/4"> (2572')(2738'-6108') BH AT Curve <8-1/2"> (6108')(6153'-20920') Sycamore: 6452' MD Middlesex: 6600' MD Burkett: 6752' MD Tully: 6805' MD Marcellus POE: 6971' MD Projected MD at TD: 20968'</p>

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