



Actual Wellpath Report

Haggard 10H AWB Proj: 25543'

Page 1 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Haggard 10H
Field	Wetzel	API	47-103-03529-0000
Facility	Haggard Pad	Wellbore	Haggard 10H AWB
Slot	Slot 10		

REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Scurdan
Scale	0.999941	Report Generated	11/17/2023 at 10:39:16 AM
Convergence at slot	0.71° West	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	45.67	38.91	1684584.54	422377.42	39°39'15.3729"N	80°37'12.9557"W
Facility Reference Pt			1684545.63	422331.75	39°39'14.9168"N	80°37'13.4459"W
Field Reference Pt			1688243.35	385255.46	39°33'8.9436"N	80°36'20.3370"W

WELLPATH DATUM

Calculation method	Minimum curvature	Patterson 292 (RKB) to Facility Vertical Datum	1547.00ft
Horizontal Reference Pt	Slot	Patterson 292 (RKB) to Mean Sea Level	1547.00ft
Vertical Reference Pt	Patterson 292 (RKB)	Patterson 292 (RKB) to Ground Level at Slot (Slot 10)	28.00ft
MD Reference Pt	Patterson 292 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	153.93°

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection



Actual Wellpath Report

Haggard 10H AWB Proj: 25543'

Page 2 of 13



REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Haggard 10H
Field	Wetzel	API	47-103-03529-0000
Facility	Haggard Pad	Wellbore	Haggard 10H AWB
Slot	Slot 10		

WELLPATH DATA (283 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]
0.00†	0.000	358.360	0.00	0.00	0.00	0.00	1684584.54	422377.42	39°39'15.3729"N	80°37'12.9557"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	358.360	28.00	0.00	0.00	0.00	1684584.54	422377.42	39°39'15.3729"N	80°37'12.9557"W	0.00	0.000	0.00	0.00	0.00
115.00	0.230	358.360	115.00	-0.16	0.17	0.00	1684584.54	422377.59	39°39'15.3747"N	80°37'12.9558"W	0.17	358.360	0.26	0.26	0.00
215.00	0.220	3.850	215.00	-0.51	0.57	0.00	1684584.54	422377.99	39°39'15.3785"N	80°37'12.9558"W	0.57	0.217	0.02	-0.01	5.49
315.00	0.190	5.680	315.00	-0.82	0.92	0.03	1684584.57	422378.34	39°39'15.3821"N	80°37'12.9555"W	0.92	1.951	0.03	-0.03	1.83
415.00	0.130	349.570	415.00	-1.07	1.20	0.03	1684584.57	422378.62	39°39'15.3848"N	80°37'12.9556"W	1.20	1.305	0.07	-0.06	-16.11
515.00	0.140	350.760	515.00	-1.29	1.43	-0.01	1684584.53	422378.85	39°39'15.3891"N	80°37'12.9561"W	1.43	359.487	0.01	0.01	1.19
615.00	0.100	357.770	615.00	-1.49	1.64	-0.04	1684584.50	422379.06	39°39'15.3891"N	80°37'12.9564"W	1.64	358.748	0.04	-0.04	7.01
715.00	0.140	88.080	715.00	-1.52	1.73	0.08	1684584.62	422379.15	39°39'15.3901"N	80°37'12.9549"W	1.73	2.741	0.17	0.04	90.31
815.00	0.130	89.230	815.00	-1.42	1.74	0.32	1684584.86	422379.16	39°39'15.3901"N	80°37'12.9519"W	1.77	10.389	0.01	-0.01	1.15
915.00	0.150	87.690	915.00	-1.32	1.74	0.56	1684585.10	422379.16	39°39'15.3902"N	80°37'12.9488"W	1.83	17.885	0.02	0.02	-1.54
1015.00	0.150	81.420	1015.00	-1.23	1.77	0.82	1684585.36	422379.19	39°39'15.3905"N	80°37'12.9455"W	1.95	24.954	0.02	0.00	-6.27
1115.00	0.150	91.870	1115.00	-1.13	1.78	1.08	1684585.62	422379.20	39°39'15.3907"N	80°37'12.9421"W	2.09	31.270	0.03	0.00	10.45
1215.00	0.160	84.800	1215.00	-1.02	1.79	1.35	1684585.89	422379.21	39°39'15.3908"N	80°37'12.9387"W	2.25	37.055	0.02	0.01	-7.07
1315.00	0.220	77.850	1315.00	-0.92	1.85	1.68	1684586.22	422379.26	39°39'15.3914"N	80°37'12.9345"W	2.50	42.316	0.06	0.06	-6.95
1415.00	0.200	87.790	1414.99	-0.80	1.89	2.04	1684586.58	422379.31	39°39'15.3919"N	80°37'12.9299"W	2.78	47.179	0.04	-0.02	9.94
1515.00	0.270	101.540	1514.99	-0.59	1.85	2.45	1684586.99	422379.27	39°39'15.3915"N	80°37'12.9247"W	3.07	52.885	0.09	0.07	13.75
1615.00	0.270	102.390	1614.99	-0.30	1.75	2.91	1684587.45	422379.17	39°39'15.3906"N	80°37'12.9188"W	3.40	58.903	0.00	0.00	0.85
1715.00	0.270	101.000	1714.99	-0.01	1.66	3.37	1684587.91	422379.08	39°39'15.3898"N	80°37'12.9129"W	3.76	63.793	0.01	0.00	-1.39
1815.00	0.260	100.450	1814.99	0.27	1.57	3.82	1684588.36	422378.99	39°39'15.3890"N	80°37'12.9071"W	4.13	67.647	0.01	-0.01	-0.55
1915.00	0.260	104.890	1914.99	0.55	1.47	4.27	1684588.81	422378.89	39°39'15.3880"N	80°37'12.9014"W	4.51	70.953	0.02	0.00	4.44
2015.00	0.260	104.740	2014.99	0.85	1.36	4.71	1684589.24	422378.78	39°39'15.3869"N	80°37'12.8958"W	4.90	73.912	0.00	0.00	-0.15
2115.00	0.260	106.330	2114.99	1.15	1.24	5.14	1684589.68	422378.66	39°39'15.3858"N	80°37'12.8902"W	5.29	76.491	0.01	0.00	1.59
2215.00	0.300	106.590	2214.99	1.48	1.10	5.61	1684590.15	422378.52	39°39'15.3845"N	80°37'12.8842"W	5.72	78.939	0.04	0.04	0.26
2315.00	0.270	114.300	2314.98	1.84	0.93	6.08	1684590.62	422378.35	39°39'15.3828"N	80°37'12.8782"W	6.15	81.343	0.05	-0.03	7.71
2415.00	0.240	126.220	2414.98	2.21	0.70	6.46	1684591.00	422378.12	39°39'15.3807"N	80°37'12.8732"W	6.50	83.777	0.06	-0.03	11.92
2515.00	0.240	118.340	2514.98	2.56	0.48	6.81	1684591.35	422377.90	39°39'15.3785"N	80°37'12.8687"W	6.83	85.960	0.03	0.00	-7.88
2615.00	0.140	105.230	2614.98	2.81	0.35	7.12	1684591.66	422377.77	39°39'15.3773"N	80°37'12.8648"W	7.12	87.186	0.11	-0.10	-13.11
2715.00	0.150	144.680	2714.98	3.02	0.21	7.31	1684591.85	422377.63	39°39'15.3759"N	80°37'12.8623"W	7.31	88.348	0.10	0.01	39.45
2815.00	0.190	90.720	2814.98	3.23	0.10	7.55	1684592.09	422377.52	39°39'15.3749"N	80°37'12.8592"W	7.55	89.226	0.16	0.04	-53.96



Actual Wellpath Report

Haggard 10H AWB Proj: 25543'

Page 3 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Haggard 10H
Field	Wetzel	API	47-103-03529-0000
Facility	Haggard Pad	Wellbore	Haggard 10H AWB
Slot	Slot 10		

WELLPATH DATA (283 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]
2915.00	0.240	110.620	2914.98	3.45	0.03	7.91	1684592.45	422377.45	39°39'15.3742"N	80°37'12.8546"W	7.91	89.811	0.09	0.05	19.90
2938.00	0.240	109.660	2937.98	3.52	-0.01	8.00	1684592.54	422377.41	39°39'15.3739"N	80°37'12.8534"W	8.00	90.050	0.02	0.00	-4.17
3012.00	0.030	331.470	3011.98	3.62	-0.04	8.14	1684592.68	422377.38	39°39'15.3735"N	80°37'12.8516"W	8.14	90.297	0.36	-0.28	-186.74
3055.00	0.350	94.450	3054.98	3.67	-0.04	8.27	1684592.80	422377.38	39°39'15.3735"N	80°37'12.8500"W	8.27	90.294	0.85	0.74	286.00
3098.00	0.310	61.160	3097.98	3.73	0.00	8.50	1684593.04	422377.42	39°39'15.3740"N	80°37'12.8471"W	8.50	89.977	0.45	-0.09	-77.42
3141.00	0.070	298.420	3140.98	3.70	0.07	8.58	1684593.12	422377.49	39°39'15.3747"N	80°37'12.8461"W	8.58	89.519	0.82	-0.56	-285.44
3184.00	0.340	60.610	3183.98	3.68	0.15	8.66	1684593.20	422377.57	39°39'15.3755"N	80°37'12.8450"W	8.67	89.027	0.89	0.63	284.16
3227.00	0.170	90.070	3226.98	3.70	0.21	8.84	1684593.38	422377.63	39°39'15.3761"N	80°37'12.8427"W	8.84	88.641	0.49	-0.40	68.51
3271.00	0.340	336.790	3270.98	3.59	0.33	8.85	1684593.39	422377.75	39°39'15.3773"N	80°37'12.8426"W	8.86	87.868	0.99	0.39	-257.45
3314.00	0.140	288.570	3313.98	3.43	0.46	8.75	1684593.29	422377.88	39°39'15.3786"N	80°37'12.8439"W	8.77	86.968	0.62	-0.47	-112.14
3357.00	0.230	297.230	3356.98	3.32	0.52	8.63	1684593.17	422377.94	39°39'15.3791"N	80°37'12.8455"W	8.64	86.552	0.22	0.21	20.14
3401.00	0.430	334.230	3400.98	3.09	0.71	8.48	1684593.02	422378.13	39°39'15.3810"N	80°37'12.8475"W	8.51	85.219	0.64	0.45	84.09
3444.00	0.410	343.230	3443.98	2.78	1.00	8.36	1684592.90	422378.42	39°39'15.3839"N	80°37'12.8490"W	8.42	83.170	0.16	-0.05	20.93
3487.00	0.410	1.180	3486.98	2.49	1.30	8.32	1684592.86	422378.72	39°39'15.3868"N	80°37'12.8495"W	8.42	81.103	0.30	0.00	41.74
3574.00	0.220	246.900	3573.97	2.20	1.55	8.17	1684592.71	422378.97	39°39'15.3893"N	80°37'12.8515"W	8.32	79.274	0.62	-0.22	-131.36
3660.00	0.660	235.250	3659.97	2.27	1.20	7.61	1684592.15	422378.62	39°39'15.3858"N	80°37'12.8586"W	7.71	81.036	0.52	0.51	-13.55
3747.00	0.840	264.840	3746.96	2.12	0.86	6.57	1684591.11	422378.28	39°39'15.3822"N	80°37'12.8719"W	6.62	82.555	0.48	0.21	34.01
3833.00	0.620	245.550	3832.96	1.88	0.61	5.52	1684590.06	422378.03	39°39'15.3796"N	80°37'12.8853"W	5.55	83.701	0.38	-0.26	-22.43
3919.00	0.740	283.320	3918.95	1.51	0.54	4.55	1684589.09	422377.96	39°39'15.3789"N	80°37'12.8976"W	4.59	83.182	0.53	0.14	43.92
4006.00	0.710	281.650	4005.94	0.83	0.78	3.48	1684588.02	422378.20	39°39'15.3811"N	80°37'12.9114"W	3.57	77.319	0.04	-0.03	-1.92
4049.00	1.320	281.500	4048.94	0.36	0.94	2.73	1684587.27	422378.36	39°39'15.3825"N	80°37'12.9209"W	2.89	71.103	1.42	1.42	-0.35
4092.00	2.180	292.010	4091.92	-0.55	1.34	1.49	1684586.03	422378.76	39°39'15.3864"N	80°37'12.9369"W	2.00	47.991	2.13	2.00	24.44
4136.00	3.150	301.490	4135.87	-2.19	2.29	-0.32	1684584.22	422379.71	39°39'15.3955"N	80°37'12.9601"W	2.31	352.065	2.41	2.20	21.55
4179.00	4.210	309.870	4178.78	-4.63	3.91	-2.54	1684582.00	422381.33	39°39'15.4113"N	80°37'12.9888"W	4.67	327.048	2.76	2.47	19.49
4222.00	5.180	310.920	4221.64	-7.86	6.20	-5.22	1684579.32	422383.62	39°39'15.4336"N	80°37'13.0234"W	8.10	319.918	2.26	2.26	2.44
4265.00	5.970	314.840	4264.43	-11.76	9.05	-8.27	1684576.27	422386.47	39°39'15.4613"N	80°37'13.0629"W	12.26	317.573	2.04	1.84	9.12
4309.00	6.430	312.090	4308.17	-16.21	12.31	-11.72	1684572.82	422389.73	39°39'15.4932"N	80°37'13.1075"W	17.00	316.411	1.24	1.05	-6.25
4395.00	6.410	313.060	4393.64	-25.16	18.82	-18.80	1684565.74	422396.24	39°39'15.5566"N	80°37'13.1991"W	26.60	315.025	0.13	-0.02	1.13
4472.00	6.660	310.020	4470.17	-33.02	24.45	-25.16	1684559.39	422401.87	39°39'15.6115"N	80°37'13.2812"W	35.08	314.186	0.48	-0.19	-3.95
4558.00	6.680	310.360	4555.64	-41.69	30.57	-32.39	1684552.15	422407.98	39°39'15.6710"N	80°37'13.3747"W	44.54	313.337	0.16	0.15	0.40

RECEIVED
Office of Oil and Gas
JUL 08 2024
Department of Environmental Protection



Actual Wellpath Report

Haggard 10H AWB Proj: 25543'
Page 4 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Haggard 10H
Field	Wetzel	API	47-103-03529-0000
Facility	Haggard Pad	Wellbore	Haggard 10H AWB
Slot	Slot 10		

WELLPATH DATA (283 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]
4644.00	6.080	309.770	4641.13	-50.23	36.58	-39.54	1684545.00	422414.00	39°39'15.7295"N	80°37'13.4670"W	53.86	312.771	0.37	-0.36	-0.69
4731.00	5.570	306.000	4727.68	-58.17	42.01	-46.50	1684538.05	422419.42	39°39'15.7823"N	80°37'13.5568"W	62.66	312.095	0.73	-0.59	-4.33
4817.00	5.660	313.800	4813.27	-65.84	47.40	-52.93	1684531.61	422424.81	39°39'15.8348"N	80°37'13.6400"W	71.05	311.840	0.89	0.10	9.07
4904.00	6.100	319.100	4899.82	-74.33	53.86	-59.06	1684525.49	422431.28	39°39'15.8979"N	80°37'13.7193"W	79.93	312.364	0.80	0.51	6.09
4990.00	6.620	323.040	4985.29	-83.62	61.27	-65.03	1684519.51	422438.69	39°39'15.9705"N	80°37'13.7968"W	89.35	313.296	0.79	0.60	4.58
5077.00	6.520	326.280	5071.72	-93.44	69.39	-70.79	1684513.76	422446.81	39°39'16.0500"N	80°37'13.8717"W	99.13	314.429	0.44	-0.11	3.72
5163.00	7.070	322.030	5157.11	-103.46	77.62	-76.75	1684507.79	422455.04	39°39'16.1306"N	80°37'13.9493"W	109.16	315.322	0.87	0.64	-4.94
5250.00	7.510	320.250	5243.41	-114.22	86.22	-83.68	1684500.86	422463.63	39°39'16.2146"N	80°37'14.0393"W	120.15	315.853	0.57	0.51	-2.05
5336.00	7.950	315.750	5328.63	-125.33	94.80	-91.43	1684493.12	422472.21	39°39'16.2985"N	80°37'14.1396"W	131.70	316.036	0.87	0.51	-5.23
5422.00	7.940	313.020	5413.80	-136.53	103.11	-99.92	1684484.63	422480.52	39°39'16.3796"N	80°37'14.2495"W	143.58	315.900	0.44	-0.01	-3.17
5509.00	8.070	312.820	5499.95	-147.84	111.36	-108.79	1684475.75	422488.77	39°39'16.4600"N	80°37'14.3643"W	155.68	315.668	0.15	0.15	-0.23
5595.00	7.160	315.010	5585.20	-158.54	119.25	-117.01	1684467.54	422496.67	39°39'16.5370"N	80°37'14.4706"W	167.07	315.544	1.11	-1.06	2.55
5682.00	6.460	307.440	5671.58	-168.05	126.06	-124.73	1684459.82	422503.48	39°39'16.6034"N	80°37'14.5704"W	177.34	315.305	1.31	-0.80	-8.70
5768.00	6.690	306.460	5757.02	-176.83	131.98	-132.60	1684451.95	422509.39	39°39'16.6609"N	80°37'14.6719"W	187.09	314.866	0.30	0.27	-1.14
5853.00	6.380	309.110	5841.46	-185.51	137.90	-140.25	1684444.30	422515.31	39°39'16.7185"N	80°37'14.7706"W	196.69	314.517	0.51	-0.36	3.12
5940.00	5.870	308.930	5927.97	-193.92	143.75	-147.46	1684437.09	422521.16	39°39'16.7753"N	80°37'14.8637"W	205.93	314.270	0.59	-0.59	-0.21
6026.00	6.150	309.050	6013.49	-202.09	149.41	-154.46	1684430.09	422526.82	39°39'16.8304"N	80°37'14.9541"W	214.90	314.049	0.33	0.33	0.14
6113.00	7.210	309.920	6099.90	-211.30	155.85	-162.26	1684422.29	422533.26	39°39'16.8931"N	80°37'15.0549"W	224.99	313.846	1.22	1.22	1.00
6199.00	7.190	309.120	6185.22	-221.12	162.71	-170.58	1684413.97	422540.12	39°39'16.9599"N	80°37'15.1623"W	235.74	313.648	0.12	-0.02	-0.93
6286.00	6.080	308.040	6271.64	-230.21	168.99	-178.43	1684406.12	422546.40	39°39'17.0209"N	80°37'15.2637"W	245.75	313.443	1.28	-1.28	-1.24
6372.00	4.890	305.460	6357.25	-237.53	173.92	-185.00	1684399.55	422551.33	39°39'17.0689"N	80°37'15.3485"W	253.92	313.231	1.41	-1.38	-3.00
6458.00	4.650	299.170	6442.95	-243.61	177.74	-191.03	1684393.52	422555.15	39°39'17.1059"N	80°37'15.4262"W	260.93	312.936	0.67	-0.28	-7.31
6545.00	5.300	307.710	6529.62	-250.11	181.92	-197.29	1684387.26	422559.33	39°39'17.1464"N	80°37'15.5069"W	268.36	312.679	1.13	0.75	9.82
6631.00	5.450	318.450	6615.25	-257.61	187.41	-203.14	1684381.41	422564.82	39°39'17.1999"N	80°37'15.5826"W	276.38	312.693	1.18	0.17	12.49
6718.00	6.140	313.700	6701.80	-265.96	193.71	-209.25	1684375.31	422571.12	39°39'17.2615"N	80°37'15.6616"W	285.15	312.793	0.97	0.79	-5.46
6804.00	6.170	306.790	6787.31	-274.39	199.66	-216.27	1684368.28	422577.07	39°39'17.3194"N	80°37'15.7524"W	294.34	312.713	0.86	0.03	-8.03
6851.00	6.270	300.710	6834.03	-278.78	202.48	-220.50	1684364.05	422579.89	39°39'17.3468"N	80°37'15.8069"W	299.37	312.561	1.42	0.21	-12.94
6966.00	5.980	275.240	6948.39	-287.15	206.24	-231.87	1684352.69	422583.64	39°39'17.3825"N	80°37'15.9528"W	310.32	311.652	2.36	-0.25	-22.15
7061.00	9.190	209.610	7042.71	-285.44	200.08	-240.56	1684343.99	422577.49	39°39'17.3206"N	80°37'16.0630"W	312.89	309.751	9.09	3.38	-69.08
7156.00	12.490	151.080	7136.26	-270.86	184.45	-239.34	1684345.22	422561.86	39°39'17.1662"N	80°37'16.0448"W	302.16	307.620	11.51	3.47	-61.61



Actual Wellpath Report

Haggard 10H AWB Proj: 25543'

Page 5 of 13



REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Haggard 10H
Field	Wetzel	API	47-103-03529-0000
Facility	Haggard Pad	Wellbore	Haggard 10H AWB
Slot	Slot 10		

WELLPATH DATA (283 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]
7251.00	18.810	149.740	7227.69	-245.30	162.20	-226.64	1684357.91	422539.61	39°39'16.9480"N	80°37'15.8790"W	278.70	305.591	6.66	6.65	-1.41
7346.00	27.150	150.760	7315.07	-208.32	130.00	-208.30	1684376.25	422507.42	39°39'16.6320"N	80°37'15.6394"W	245.54	301.969	8.79	8.78	1.07
7441.00	35.920	149.810	7395.96	-158.79	86.92	-183.65	1684400.90	422464.34	39°39'16.2093"N	80°37'15.3174"W	203.18	295.328	9.25	9.23	-1.00
7537.00	44.850	148.720	7469.01	-96.86	33.54	-151.85	1684432.70	422410.96	39°39'15.6857"N	80°37'14.9023"W	155.51	282.455	9.33	9.30	-1.14
7632.00	52.150	149.150	7531.92	-26.03	-27.37	-115.17	1684469.37	422350.05	39°39'15.0882"N	80°37'14.4237"W	118.38	256.631	7.69	7.68	0.45
7726.00	60.760	148.740	7583.82	51.95	-94.42	-74.78	1684509.76	422283.01	39°39'14.4307"N	80°37'13.8967"W	120.45	218.382	9.17	9.16	-0.44
7822.00	70.600	149.040	7623.30	138.98	-169.23	-29.65	1684554.89	422208.20	39°39'13.6969"N	80°37'13.3078"W	171.81	189.937	10.25	10.25	0.31
7916.00	77.390	148.860	7649.21	228.94	-246.59	16.93	1684601.47	422130.84	39°39'12.9381"N	80°37'12.7000"W	247.17	176.072	7.23	7.22	-0.19
8012.00	82.950	148.940	7665.59	323.13	-327.56	65.77	1684650.31	422049.88	39°39'12.1440"N	80°37'12.0627"W	334.09	168.646	5.79	5.79	0.08
8107.00	88.980	149.140	7672.27	417.51	-408.78	114.50	1684699.03	421968.66	39°39'11.3473"N	80°37'11.4268"W	424.51	164.353	6.35	6.35	0.21
8202.00	88.120	149.180	7674.67	512.15	-490.32	163.18	1684747.71	421887.13	39°39'10.5475"N	80°37'10.7914"W	516.76	161.592	0.91	-0.91	0.04
8297.00	88.210	149.710	7677.72	606.81	-572.09	211.45	1684795.98	421805.37	39°39'9.7454"N	80°37'10.1613"W	609.92	159.715	0.57	0.09	0.56
8392.00	88.150	148.850	7680.73	701.45	-653.72	259.96	1684844.48	421723.74	39°39'8.9447"N	80°37'9.5283"W	703.51	158.314	0.91	-0.06	-0.91
8487.00	89.350	148.850	7682.81	796.05	-735.00	309.09	1684893.61	421642.47	39°39'8.1475"N	80°37'8.8873"W	797.34	157.192	1.26	1.26	0.00
8582.00	89.380	148.830	7683.86	890.67	-816.29	358.24	1684942.76	421561.18	39°39'7.3503"N	80°37'8.2460"W	891.44	156.305	0.04	0.03	-0.02
8678.00	89.690	148.610	7684.64	986.27	-898.33	408.08	1684992.60	421479.15	39°39'6.5456"N	80°37'7.5957"W	986.67	155.569	0.40	0.32	-0.23
8774.00	89.880	149.860	7685.00	1081.95	-980.82	457.19	1685041.70	421396.66	39°39'5.7365"N	80°37'6.9549"W	1082.14	155.008	1.32	0.20	1.30
8869.00	89.660	149.530	7685.38	1176.69	-1062.83	505.12	1685089.63	421314.65	39°39'4.9319"N	80°37'6.3290"W	1176.76	154.580	0.42	-0.23	-0.35
8964.00	89.760	147.820	7685.86	1271.28	-1143.98	554.51	1685139.02	421233.51	39°39'4.1360"N	80°37'5.6847"W	1271.29	154.140	1.80	0.11	-1.80
9059.00	89.980	149.760	7686.08	1365.89	-1225.23	603.74	1685188.24	421152.27	39°39'3.3392"N	80°37'5.0426"W	1365.90	153.768	2.06	0.23	2.04
9155.00	90.310	153.030	7685.83	1461.79	-1309.50	649.69	1685234.19	421068.00	39°39'2.5120"N	80°37'4.4417"W	1461.81	153.612	3.42	0.34	3.41
9250.00	90.190	150.400	7685.42	1556.71	-1393.15	694.70	1685279.20	420984.36	39°39'1.6909"N	80°37'3.8530"W	1556.75	153.497	2.77	-0.13	-2.77
9344.00	90.130	151.330	7685.16	1650.57	-1475.25	740.47	1685324.96	420902.26	39°39'0.8851"N	80°37'3.2549"W	1650.66	153.347	0.99	-0.06	0.99
9439.00	90.190	150.900	7684.89	1745.46	-1558.43	786.36	1685370.85	420819.08	39°39'0.0688"N	80°37'2.6550"W	1745.59	153.225	0.46	0.06	-0.45
9534.00	90.070	150.710	7684.68	1840.31	-1641.37	832.70	1685417.19	420736.15	39°38'59.2549"N	80°37'2.0495"W	1840.51	153.100	0.24	-0.13	-0.20
9629.00	89.820	150.490	7684.77	1935.15	-1724.13	879.33	1685463.82	420653.39	39°38'58.4427"N	80°37'1.4402"W	1935.42	152.978	0.35	-0.26	-0.23
9724.00	89.820	150.740	7685.07	2029.99	-1806.91	925.95	1685510.43	420570.62	39°38'57.6304"N	80°37'0.8311"W	2030.34	152.867	0.26	0.00	0.26
9820.00	89.730	150.650	7685.44	2125.84	-1890.62	972.93	1685557.42	420486.91	39°38'56.8089"N	80°37'0.2172"W	2126.28	152.769	0.13	-0.09	-0.09
9914.00	89.760	150.210	7685.86	2219.66	-1972.38	1019.32	1685603.80	420405.16	39°38'56.0067"N	80°36'59.6112"W	2220.20	152.670	0.47	0.03	-0.47
10009.00	89.820	150.100	7686.21	2314.46	-2054.78	1066.60	1685651.07	420322.77	39°38'55.1982"N	80°36'58.9938"W	2315.11	152.567	0.13	0.06	-0.12

RECEIVED
 Office of Oil and Gas
 Environmental Protection
 Department of
 Energy
 JUL 08 2024



Actual Wellpath Report

Haggard 10H AWB Proj: 25543'

Page 6 of 13



REFERENCE WELLPATH IDENTIFICATION				
Operator	EQT PRODUCTION COMPANY		Well	Haggard 10H
Field	Wetzel		API	47-103-03529-0000
Facility	Haggard Pad		Wellbore	Haggard 10H AWB
Slot	Slot 10			

WELLPATH DATA (283 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]
10104.00	90.160	150.870	7686.23	2409.28	-2137.45	1113.40	1685697.87	420240.10	39°38'54.3869"N	80°36'58.3824"W	2410.05	152.485	0.89	0.36	0.81
10199.00	90.160	150.690	7685.96	2504.14	-2220.36	1159.78	1685744.25	420157.20	39°38'53.5733"N	80°36'57.7764"W	2505.01	152.420	0.19	0.00	-0.19
10293.00	90.070	149.780	7685.77	2597.94	-2301.96	1206.44	1685790.91	420075.60	39°38'52.7726"N	80°36'57.1669"W	2598.94	152.341	0.97	-0.10	-0.97
10388.00	89.790	150.570	7685.89	2692.74	-2384.37	1253.69	1685838.15	419993.19	39°38'51.9640"N	80°36'56.5499"W	2693.88	152.265	0.88	-0.29	0.83
10484.00	89.970	150.330	7686.09	2788.56	-2467.89	1301.03	1685885.49	419909.69	39°38'51.1445"N	80°36'55.9314"W	2789.83	152.202	0.31	0.19	-0.25
10579.00	89.730	150.410	7686.34	2883.38	-2550.46	1348.00	1685932.46	419827.11	39°38'50.3342"N	80°36'55.3179"W	2884.78	152.142	0.27	-0.25	0.08
10674.00	89.820	150.400	7686.71	2978.20	-2633.07	1394.92	1685979.37	419744.51	39°38'49.5236"N	80°36'54.7051"W	2979.74	152.087	0.10	0.09	-0.01
10769.00	89.730	150.490	7687.08	3073.02	-2715.71	1441.78	1686026.23	419661.88	39°38'48.7127"N	80°36'54.0930"W	3074.70	152.036	0.13	-0.09	0.09
10864.00	89.880	150.740	7687.41	3167.86	-2798.48	1488.39	1686072.84	419579.11	39°38'47.9004"N	80°36'53.4840"W	3169.67	151.993	0.31	0.16	0.26
10959.00	89.790	150.740	7687.68	3262.71	-2881.36	1534.83	1686119.27	419496.23	39°38'47.0870"N	80°36'52.8773"W	3264.65	151.957	0.09	-0.09	0.00
11054.00	89.760	150.620	7688.05	3357.56	-2964.19	1581.35	1686165.79	419413.41	39°38'46.2742"N	80°36'52.2695"W	3359.63	151.921	0.13	-0.03	-0.13
11149.00	89.850	150.120	7688.38	3452.38	-3046.77	1628.31	1686212.75	419330.84	39°38'45.4639"N	80°36'51.6561"W	3454.59	151.878	0.53	0.09	-0.53
11244.00	89.790	150.330	7688.67	3547.18	-3129.23	1675.49	1686259.93	419248.38	39°38'44.6548"N	80°36'51.0400"W	3549.55	151.834	0.23	-0.06	0.22
11339.00	89.790	150.680	7689.02	3642.01	-3211.91	1722.26	1686306.70	419165.70	39°38'43.8434"N	80°36'50.4290"W	3644.53	151.799	0.37	0.00	0.37
11433.00	89.600	150.140	7689.52	3735.83	-3293.65	1768.68	1686353.11	419083.97	39°38'43.0413"N	80°36'49.8227"W	3738.50	151.764	0.61	-0.20	-0.57
11528.00	89.730	149.360	7690.08	3830.57	-3375.71	1816.53	1686400.96	419001.91	39°38'42.2362"N	80°36'49.1980"W	3833.44	151.714	0.83	0.14	-0.82
11623.00	89.730	149.670	7690.53	3925.29	-3457.58	1864.73	1686449.15	418920.05	39°38'41.4331"N	80°36'48.5690"W	3928.37	151.661	0.33	0.00	0.33
11718.00	89.820	149.830	7690.90	4020.04	-3539.65	1912.59	1686497.01	418837.99	39°38'40.6279"N	80°36'47.9443"W	4023.32	151.616	0.19	0.09	0.17
11812.00	89.660	149.650	7691.33	4113.78	-3620.84	1959.95	1686544.37	418756.80	39°38'39.8314"N	80°36'47.3259"W	4117.27	151.573	0.26	-0.17	-0.19
11907.00	89.790	149.250	7691.78	4208.49	-3702.65	2008.24	1686592.66	418675.00	39°38'39.0288"N	80°36'46.6957"W	4212.20	151.525	0.44	0.14	-0.42
12002.00	89.690	149.560	7692.21	4303.19	-3784.42	2056.59	1686641.01	418593.23	39°38'38.2266"N	80°36'46.0648"W	4307.14	151.479	0.34	-0.11	0.33
12097.00	89.730	149.340	7692.69	4397.90	-3866.23	2104.88	1686689.29	418511.42	39°38'37.4240"N	80°36'45.4346"W	4402.08	151.435	0.24	0.04	-0.23
12193.00	89.690	149.270	7693.18	4493.59	-3948.78	2153.88	1686738.29	418428.88	39°38'36.6142"N	80°36'44.7952"W	4498.01	151.390	0.08	-0.04	-0.07
12287.00	89.660	149.390	7693.71	4587.29	-4029.63	2201.83	1686786.24	418348.03	39°38'35.8211"N	80°36'44.1695"W	4591.95	151.347	0.13	-0.03	0.13
12382.00	89.790	149.480	7694.17	4681.99	-4111.43	2250.14	1686834.54	418266.24	39°38'35.0187"N	80°36'43.5391"W	4686.90	151.309	0.17	0.14	0.09
12477.00	89.910	148.680	7694.42	4776.65	-4192.93	2298.95	1686883.35	418184.75	39°38'34.2192"N	80°36'42.9022"W	4781.82	151.264	0.85	0.13	-0.84
12572.00	89.940	149.140	7694.54	4871.29	-4274.28	2348.01	1686932.41	418103.40	39°38'33.4213"N	80°36'42.2623"W	4876.75	151.218	0.49	0.03	0.48
12667.00	89.910	148.750	7694.67	4965.93	-4355.67	2397.02	1686981.41	418022.02	39°38'32.6230"N	80°36'41.6230"W	4971.67	151.175	0.41	-0.03	-0.41
12762.00	90.000	148.700	7694.74	5060.53	-4436.86	2446.34	1687030.73	417940.83	39°38'31.8266"N	80°36'40.9798"W	5066.59	151.129	0.11	0.09	-0.05
12857.00	90.250	148.590	7694.53	5155.13	-4517.99	2495.77	1687080.16	417859.71	39°38'31.0310"N	80°36'40.3352"W	5161.50	151.083	0.29	0.26	-0.12



Actual Wellpath Report

Haggard 10H AWB Proj: 25543'
Page 7 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Haggard 10H
Field	Wetzel	API	47-103-03529-0000
Facility	Haggard Pad	Wellbore	Haggard 10H AWB
Slot	Slot 10		

WELLPATH DATA (283 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]
12952.00	90.500	150.800	7693.91	5249.86	-4600.00	2543.70	1687128.09	417777.70	39°38'30.2264"N	80°36'39.7095"W	5256.46	151.058	2.34	0.26	2.33
13047.00	90.400	149.830	7693.17	5344.67	-4682.53	2590.75	1687175.13	417695.18	39°38'29.4165"N	80°36'39.0952"W	5351.45	151.045	1.03	-0.11	-1.02
13142.00	90.220	149.550	7692.65	5439.41	-4764.54	2638.69	1687223.07	417613.17	39°38'28.6119"N	80°36'38.4694"W	5446.42	151.022	0.35	-0.19	-0.29
13237.00	90.400	149.880	7692.14	5534.15	-4846.57	2686.60	1687270.97	417531.14	39°38'27.8071"N	80°36'37.8441"W	5541.40	150.999	0.40	0.19	0.35
13331.00	90.220	148.020	7691.63	5627.79	-4927.10	2735.08	1687319.45	417450.62	39°38'27.0172"N	80°36'37.2117"W	5635.33	150.965	1.99	-0.19	-1.98
13426.00	90.220	148.650	7691.26	5722.34	-5007.96	2784.95	1687369.32	417369.77	39°38'26.2242"N	80°36'36.5615"W	5730.23	150.921	0.66	0.00	0.66
13521.00	90.400	149.910	7690.75	5817.02	-5089.62	2833.48	1687417.84	417288.11	39°38'25.4231"N	80°36'35.9283"W	5825.19	150.895	1.34	0.19	1.33
13616.00	90.370	148.180	7690.11	5911.67	-5171.09	2882.34	1687466.70	417206.65	39°38'24.6240"N	80°36'35.2910"W	5920.14	150.865	1.82	-0.03	-1.82
13711.00	90.710	149.420	7689.22	6006.28	-5252.34	2931.55	1687515.91	417125.40	39°38'23.8270"N	80°36'34.6492"W	6015.07	150.832	1.35	0.36	1.31
13806.00	90.650	149.510	7688.09	6100.99	-5334.16	2979.81	1687564.17	417043.58	39°38'23.0244"N	80°36'34.0194"W	6110.04	150.811	0.11	-0.06	0.09
13901.00	90.620	149.760	7687.04	6195.71	-5416.13	3027.83	1687612.19	416961.63	39°38'22.2202"N	80°36'33.3927"W	6205.01	150.793	0.27	-0.03	0.26
13996.00	90.280	149.950	7686.29	6290.47	-5498.27	3075.54	1687659.89	416879.48	39°38'21.4142"N	80°36'32.7700"W	6300.00	150.779	0.41	-0.36	0.20
14091.00	90.400	149.640	7685.73	6385.22	-5580.37	3123.33	1687707.68	416797.39	39°38'20.6087"N	80°36'32.1461"W	6394.98	150.764	0.35	0.13	-0.33
14186.00	90.220	149.530	7685.21	6479.95	-5662.30	3171.43	1687755.77	416715.47	39°38'19.8050"N	80°36'31.5185"W	6489.96	150.747	0.22	-0.19	-0.12
14281.00	90.370	149.460	7684.72	6574.66	-5744.15	3219.65	1687803.99	416633.62	39°38'19.0020"N	80°36'30.8893"W	6584.94	150.729	0.17	0.16	-0.07
14376.00	90.400	149.580	7684.09	6669.38	-5826.02	3267.83	1687852.17	416551.76	39°38'18.1988"N	80°36'30.2605"W	6679.91	150.712	0.13	0.03	0.13
14471.00	90.220	149.560	7683.57	6764.10	-5907.93	3315.95	1687900.29	416469.85	39°38'17.3952"N	80°36'29.6326"W	6774.89	150.696	0.19	-0.19	-0.02
14566.00	90.250	149.320	7683.18	6858.81	-5989.73	3364.25	1687948.59	416388.05	39°38'16.5926"N	80°36'29.0023"W	6869.87	150.678	0.25	0.03	-0.25
14660.00	90.430	148.440	7682.62	6952.44	-6070.20	3412.83	1687997.16	416307.59	39°38'15.8033"N	80°36'28.3687"W	6963.82	150.654	0.96	0.19	-0.94
14755.00	90.430	146.850	7681.91	7046.87	-6150.45	3463.67	1688048.00	416227.34	39°38'15.0165"N	80°36'27.7063"W	7058.69	150.614	1.67	0.00	-1.67
14850.00	90.560	150.310	7681.09	7141.43	-6231.51	3513.18	1688097.51	416146.30	39°38'14.2215"N	80°36'27.0607"W	7153.61	150.587	3.64	0.14	3.64
14945.00	90.370	148.990	7680.32	7236.16	-6313.48	3561.18	1688145.51	416064.32	39°38'13.4172"N	80°36'26.4343"W	7248.59	150.574	1.40	-0.20	-1.39
15040.00	90.430	149.950	7679.66	7330.87	-6395.31	3609.44	1688193.76	415982.50	39°38'12.6145"N	80°36'25.8047"W	7343.57	150.560	1.01	0.06	1.01
15135.00	90.560	150.070	7678.83	7425.65	-6477.59	3656.92	1688241.24	415900.23	39°38'11.8072"N	80°36'25.1848"W	7438.56	150.553	0.19	0.14	0.13
15230.00	90.590	150.220	7677.88	7520.43	-6559.97	3704.21	1688288.53	415817.85	39°38'10.9987"N	80°36'24.5674"W	7533.56	150.548	0.16	0.03	0.16
15325.00	90.680	150.900	7676.83	7615.26	-6642.70	3750.90	1688335.21	415735.12	39°38'10.1869"N	80°36'23.9577"W	7628.55	150.548	0.72	0.09	0.72
15420.00	90.460	150.420	7675.88	7710.10	-6725.51	3797.45	1688381.76	415652.32	39°38'9.3742"N	80°36'23.3497"W	7723.54	150.549	0.56	-0.23	-0.51
15515.00	90.620	150.700	7674.99	7804.94	-6808.24	3844.14	1688428.45	415569.60	39°38'8.5623"N	80°36'22.7400"W	7818.54	150.550	0.34	0.17	0.29
15610.00	90.560	150.850	7674.01	7899.79	-6891.14	3890.52	1688474.82	415486.70	39°38'7.7487"N	80°36'22.1342"W	7913.53	150.552	0.17	-0.06	0.16
15704.00	90.500	150.110	7673.14	7993.61	-6972.94	3936.84	1688521.14	415404.91	39°38'6.9460"N	80°36'21.5294"W	8007.53	150.551	0.79	-0.06	-0.79

RECEIVED
 Office of Oil and Gas
 Environmental Protection
 JUL 08 2024
 WV Department of



Actual Wellpath Report

Haggard 10H AWB Proj: 25543'

Page 8 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Haggard 10H
Field	Wetzel	API	47-103-03529-0000
Facility	Haggard Pad	Wellbore	Haggard 10H AWB
Slot	Slot 10		

WELLPATH DATA (283 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]
15799.00	90.220	150.650	7672.54	8088.43	-7055.52	3983.79	1688568.09	415322.33	39°38'6.1356"N	80°36'20.9163"W	8102.53	150.549	0.64	-0.29	0.57
15894.00	90.220	150.510	7672.18	8183.26	-7138.27	4030.45	1688614.75	415239.59	39°38'5.3235"N	80°36'20.3069"W	8197.53	150.550	0.15	0.00	-0.15
15989.00	90.160	150.380	7671.86	8278.09	-7220.91	4077.31	1688661.60	415156.95	39°38'4.5126"N	80°36'19.6950"W	8292.52	150.549	0.15	-0.06	-0.14
16084.00	90.310	150.330	7671.47	8372.90	-7303.47	4124.30	1688708.59	415074.40	39°38'3.7023"N	80°36'19.0815"W	8387.52	150.546	0.17	0.16	-0.05
16179.00	90.130	153.090	7671.11	8467.82	-7387.12	4169.32	1688753.61	414990.76	39°38'2.8812"N	80°36'18.4930"W	8482.49	150.559	2.91	-0.19	2.91
16274.00	90.000	153.970	7671.00	8562.82	-7472.16	4211.66	1688795.95	414905.72	39°38'2.0460"N	80°36'17.9384"W	8577.37	150.592	0.94	-0.14	0.93
16369.00	90.130	155.890	7670.89	8657.80	-7558.20	4251.92	1688836.20	414819.68	39°38'1.2005"N	80°36'17.4105"W	8672.09	150.640	2.03	0.14	2.02
16464.00	90.190	156.410	7670.63	8752.73	-7645.09	4290.33	1688874.61	414732.80	39°38'0.3465"N	80°36'16.9059"W	8766.66	150.699	0.55	0.06	0.55
16559.00	89.290	155.180	7671.06	8847.67	-7731.73	4329.28	1688913.55	414646.16	39°37'59.4950"N	80°36'16.3945"W	8861.28	150.754	1.60	-0.95	-1.29
16653.00	90.310	156.300	7671.39	8941.62	-7817.43	4367.90	1688952.17	414560.47	39°37'58.6528"N	80°36'15.8874"W	8954.93	150.806	1.61	1.09	1.19
16748.00	90.400	156.660	7670.80	9036.53	-7904.53	4405.81	1688990.08	414473.37	39°37'57.7966"N	80°36'15.3893"W	9049.47	150.866	0.39	0.09	0.38
16843.00	90.830	156.250	7669.78	9131.43	-7991.62	4443.76	1689028.02	414386.29	39°37'56.9406"N	80°36'14.8906"W	9144.01	150.924	0.63	0.45	-0.43
16938.00	90.860	156.280	7668.38	9226.34	-8078.58	4481.99	1689066.26	414299.34	39°37'56.0859"N	80°36'14.3883"W	9238.59	150.979	0.04	0.03	0.03
17034.00	90.800	156.210	7666.99	9322.25	-8166.43	4520.66	1689104.92	414211.49	39°37'55.2224"N	80°36'13.8803"W	9334.18	151.033	0.10	-0.06	-0.07
17129.00	90.800	156.570	7665.66	9417.15	-8253.47	4558.70	1689142.96	414124.45	39°37'54.3668"N	80°36'13.3805"W	9428.76	151.086	0.38	0.00	0.38
17224.00	90.650	156.110	7664.46	9512.06	-8340.48	4596.82	1689181.08	414037.45	39°37'53.5116"N	80°36'12.8796"W	9523.36	151.139	0.51	-0.16	-0.48
17319.00	90.340	157.250	7663.64	9606.95	-8427.71	4634.43	1689218.69	413950.22	39°37'52.6541"N	80°36'12.3853"W	9617.91	151.193	1.24	-0.33	1.20
17414.00	90.460	157.540	7662.98	9701.77	-8515.41	4670.94	1689255.20	413862.53	39°37'51.7919"N	80°36'11.9049"W	9712.36	151.254	0.33	0.13	0.31
17509.00	90.430	157.550	7662.24	9796.58	-8603.21	4707.23	1689291.48	413774.74	39°37'50.9286"N	80°36'11.4274"W	9806.79	151.315	0.03	-0.03	0.01
17605.00	90.460	157.560	7661.49	9892.38	-8691.93	4743.88	1689328.13	413686.02	39°37'50.0563"N	80°36'10.9451"W	9902.23	151.375	0.03	0.03	0.01
17700.00	90.460	157.690	7660.73	9987.18	-8779.78	4780.04	1689364.29	413598.18	39°37'49.1926"N	80°36'10.4692"W	9996.66	151.434	0.14	0.00	0.14
17795.00	90.400	157.490	7660.02	10081.99	-8867.60	4816.26	1689400.50	413510.36	39°37'48.3290"N	80°36'9.9926"W	10091.12	151.492	0.22	-0.06	-0.21
17890.00	90.400	157.060	7659.35	10176.82	-8955.22	4852.96	1689437.20	413422.74	39°37'47.4676"N	80°36'9.5098"W	10185.64	151.546	0.45	0.00	-0.45
17985.00	90.400	157.160	7658.69	10271.67	-9042.74	4889.91	1689474.15	413335.23	39°37'46.6072"N	80°36'9.0239"W	10280.19	151.597	0.11	0.00	0.11
18080.00	90.370	157.290	7658.05	10366.51	-9130.33	4926.68	1689510.92	413247.65	39°37'45.7460"N	80°36'8.5402"W	10374.74	151.649	0.14	-0.03	0.14
18175.00	90.430	157.280	7657.39	10461.35	-9217.96	4963.36	1689547.60	413160.02	39°37'44.8845"N	80°36'8.0577"W	10469.28	151.700	0.06	0.06	-0.01
18270.00	90.500	157.580	7656.62	10556.17	-9305.68	4999.83	1689584.06	413072.31	39°37'44.0220"N	80°36'7.5780"W	10563.80	151.751	0.32	0.07	0.32
18365.00	90.060	157.490	7656.15	10650.98	-9393.47	5036.13	1689620.36	412984.52	39°37'43.1588"N	80°36'7.1003"W	10658.32	151.803	0.47	-0.46	-0.09
18461.00	90.060	157.310	7656.05	10746.80	-9482.10	5073.02	1689657.25	412895.90	39°37'42.2875"N	80°36'6.6149"W	10753.87	151.853	0.19	0.00	-0.19
18555.00	90.100	157.280	7655.92	10840.64	-9568.81	5109.30	1689693.53	412809.19	39°37'41.4349"N	80°36'6.1377"W	10847.45	151.900	0.05	0.04	-0.03



Actual Wellpath Report

Haggard 10H AWB Proj: 25543'

Page 9 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Haggard 10H
Field	Wetzel	API	47-103-03529-0000
Facility	Haggard Pad	Wellbore	Haggard 10H AWB
Slot	Slot 10		

WELLPATH DATA (283 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]
18651.00	90.250	157.340	7655.63	10936.47	-9657.38	5146.33	1689730.56	412720.63	39°37'40.5641"N	80°36'5.6506"W	10943.03	151.947	0.17	0.16	0.06
18746.00	90.190	157.550	7655.26	11031.29	-9745.12	5182.77	1689766.99	412632.90	39°37'39.7015"N	80°36'5.1712"W	11037.59	151.994	0.23	-0.06	0.22
18841.00	90.160	157.800	7654.97	11126.09	-9833.00	5218.86	1689803.08	412545.03	39°37'38.8374"N	80°36'4.6962"W	11132.13	152.043	0.27	-0.03	0.26
18936.00	90.430	157.330	7654.48	11220.90	-9920.80	5255.11	1689839.33	412457.22	39°37'37.9741"N	80°36'4.2192"W	11226.69	152.090	0.57	0.28	-0.49
19031.00	90.490	157.430	7653.72	11315.72	-10008.49	5291.65	1689875.87	412369.54	39°37'37.1119"N	80°36'3.7385"W	11321.29	152.134	0.12	0.06	0.11
19126.00	90.310	157.060	7653.06	11410.56	-10096.10	5328.39	1689912.61	412281.94	39°37'36.2506"N	80°36'3.2552"W	11415.91	152.176	0.43	-0.19	-0.39
19221.00	90.770	157.390	7652.16	11505.40	-10183.69	5365.17	1689949.38	412194.36	39°37'35.3895"N	80°36'2.7716"W	11510.54	152.218	0.60	0.48	0.35
19316.00	90.430	157.180	7651.17	11600.23	-10271.31	5401.85	1689986.06	412106.74	39°37'34.5280"N	80°36'2.2891"W	11605.16	152.259	0.42	-0.36	-0.22
19411.00	90.490	157.460	7650.40	11695.06	-10358.96	5438.48	1690022.69	412019.09	39°37'33.6662"N	80°36'1.8073"W	11699.79	152.300	0.30	0.06	0.29
19505.00	90.310	157.090	7649.75	11788.90	-10445.66	5474.79	1690059.00	411932.39	39°37'32.8138"N	80°36'1.3297"W	11793.44	152.340	0.44	-0.19	-0.39
19601.00	90.560	157.500	7649.02	11884.73	-10534.22	5511.85	1690096.05	411843.84	39°37'31.9431"N	80°36'0.8423"W	11889.08	152.380	0.50	0.26	0.43
19696.00	90.400	157.100	7648.22	11979.56	-10621.86	5548.51	1690132.71	411756.21	39°37'31.0815"N	80°36'0.3602"W	11983.73	152.419	0.45	-0.17	-0.42
19791.00	90.530	157.700	7647.45	12074.39	-10709.56	5585.01	1690169.21	411668.51	39°37'30.2192"N	80°35'59.8799"W	12078.37	152.458	0.65	0.14	0.63
19886.00	90.960	158.260	7646.22	12169.14	-10797.62	5620.63	1690204.82	411580.46	39°37'29.3532"N	80°35'59.4110"W	12172.93	152.501	0.74	0.45	0.59
19982.00	90.830	157.040	7644.72	12264.92	-10886.40	5657.13	1690241.32	411491.69	39°37'28.4803"N	80°35'58.9307"W	12268.53	152.541	1.28	-0.14	-1.27
20077.00	90.990	157.480	7643.21	12359.75	-10974.00	5693.84	1690278.04	411404.09	39°37'27.6190"N	80°35'58.4478"W	12363.20	152.578	0.49	0.17	0.46
20172.00	90.990	157.010	7641.57	12454.58	-11061.60	5730.58	1690314.77	411316.50	39°37'26.7579"N	80°35'57.9646"W	12457.87	152.613	0.49	0.00	-0.49
20267.00	91.230	157.680	7639.73	12549.39	-11149.25	5767.17	1690351.36	411228.85	39°37'25.8961"N	80°35'57.4834"W	12552.53	152.649	0.75	0.25	0.71
20362.00	91.140	157.330	7637.76	12644.19	-11237.00	5803.51	1690387.69	411141.11	39°37'25.0332"N	80°35'57.0054"W	12647.17	152.685	0.38	-0.09	-0.37
20457.00	90.490	157.200	7636.41	12739.01	-11324.61	5840.22	1690424.40	411053.50	39°37'24.1719"N	80°35'56.5225"W	12741.86	152.719	0.70	-0.68	-0.14
20552.00	90.650	157.350	7635.47	12833.85	-11412.23	5876.92	1690461.10	410965.89	39°37'23.3104"N	80°35'56.0399"W	12836.56	152.753	0.23	0.17	0.16
20742.00	90.090	157.230	7634.24	13023.52	-11587.50	5950.27	1690534.44	410790.63	39°37'21.5873"N	80°35'55.0752"W	13025.96	152.819	0.30	-0.29	-0.06
20837.00	90.950	157.350	7633.38	13118.35	-11675.13	5986.94	1690571.12	410703.01	39°37'20.7257"N	80°35'54.5929"W	13120.67	152.851	0.91	0.91	0.13
20932.00	90.920	157.250	7631.83	13213.17	-11762.76	6023.60	1690607.77	410615.38	39°37'19.8641"N	80°35'54.1108"W	13215.38	152.883	0.11	-0.03	-0.11
21027.00	90.370	157.250	7630.76	13308.01	-11850.36	6060.33	1690644.50	410527.79	39°37'19.0028"N	80°35'53.6277"W	13310.10	152.915	0.58	-0.58	0.00
21122.00	90.370	157.380	7630.14	13402.84	-11938.01	6096.97	1690681.14	410440.14	39°37'18.1411"N	80°35'53.1459"W	13404.82	152.946	0.14	0.00	0.14
21217.00	90.340	157.250	7629.56	13497.67	-12025.66	6133.61	1690717.77	410352.50	39°37'17.2793"N	80°35'52.6640"W	13499.54	152.976	0.14	-0.03	-0.14
21312.00	90.370	156.950	7628.97	13592.52	-12113.17	6170.57	1690754.74	410264.99	39°37'16.4190"N	80°35'52.1780"W	13594.29	153.005	0.32	0.03	-0.32
21407.00	89.940	157.230	7628.71	13687.38	-12200.67	6207.56	1690791.72	410177.49	39°37'15.5587"N	80°35'51.6918"W	13689.05	153.034	0.54	-0.45	0.29
21502.00	89.970	157.340	7628.78	13782.22	-12288.30	6244.24	1690828.40	410089.87	39°37'14.6971"N	80°35'51.2093"W	13783.79	153.063	0.12	0.03	0.12

RECEIVED
 Office of Oil and Gas
 JUL 08 2024
 Environmental Protection Department of



Actual Wellpath Report

Haggard 10H AWB Proj: 25543'
Page 10 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Haggard 10H
Field	Wetzel	API	47-103-03529-0000
Facility	Haggard Pad	Wellbore	Haggard 10H AWB
Slot	Slot 10		

WELLPATH DATA (283 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]
21597.00	90.000	157.250	7628.81	13877.05	-12375.94	6280.91	1690865.06	410002.23	39°37'13.8354"N	80°35'50.7271"W	13878.54	153.092	0.10	0.03	-0.09
21692.00	90.120	157.420	7628.71	13971.88	-12463.61	6317.52	1690901.67	409914.58	39°37'12.9735"N	80°35'50.2457"W	13973.28	153.121	0.22	0.13	0.18
21787.00	90.150	157.580	7628.49	14066.70	-12551.37	6353.87	1690938.02	409826.81	39°37'12.1106"N	80°35'49.7674"W	14068.00	153.150	0.17	0.03	0.17
21882.00	90.550	157.360	7627.91	14161.52	-12639.12	6390.27	1690974.42	409739.07	39°37'11.2478"N	80°35'49.2886"W	14162.73	153.179	0.48	0.42	-0.23
21977.00	90.650	157.480	7626.91	14256.33	-12726.84	6426.75	1691010.89	409651.36	39°37'10.3854"N	80°35'48.8089"W	14257.47	153.207	0.16	0.11	0.13
22072.00	90.520	157.250	7625.94	14351.16	-12814.51	6463.31	1691047.45	409563.69	39°37'9.5233"N	80°35'48.3280"W	14352.21	153.235	0.28	-0.14	-0.24
22167.00	90.460	157.360	7625.13	14445.99	-12902.15	6499.96	1691084.10	409476.05	39°37'8.6616"N	80°35'47.8460"W	14446.97	153.262	0.13	-0.06	0.12
22262.00	90.460	157.320	7624.37	14540.82	-12989.82	6536.56	1691120.70	409388.40	39°37'7.7997"N	80°35'47.3647"W	14541.73	153.288	0.04	0.00	-0.04
22357.00	90.490	157.340	7623.58	14635.65	-13077.48	6573.17	1691157.31	409300.74	39°37'6.9379"N	80°35'46.8832"W	14636.49	153.314	0.04	0.03	0.02
22452.00	90.280	157.330	7622.94	14730.48	-13165.14	6609.78	1691193.91	409213.09	39°37'6.0760"N	80°35'46.4018"W	14731.26	153.340	0.22	-0.22	-0.01
22547.00	90.370	157.130	7622.40	14825.32	-13252.73	6646.55	1691230.68	409125.50	39°37'5.2148"N	80°35'45.9184"W	14826.04	153.365	0.23	0.09	-0.21
22642.00	90.310	157.310	7621.84	14920.16	-13340.32	6683.33	1691267.46	409037.92	39°37'4.3536"N	80°35'45.4347"W	14920.82	153.390	0.20	-0.06	0.19
22737.00	90.280	157.320	7621.35	15014.99	-13427.97	6719.97	1691304.09	408950.27	39°37'3.4918"N	80°35'44.9529"W	15015.60	153.415	0.03	-0.03	0.01
22832.00	90.280	157.290	7620.88	15109.83	-13515.61	6756.62	1691340.75	408862.63	39°37'2.6301"N	80°35'44.4709"W	15110.38	153.439	0.03	0.00	-0.03
22927.00	90.220	157.240	7620.47	15204.67	-13603.23	6793.33	1691377.46	408775.02	39°37'1.7687"N	80°35'43.9882"W	15205.17	153.463	0.08	-0.06	-0.05
23022.00	89.910	157.040	7620.36	15299.52	-13690.77	6830.24	1691414.36	408687.49	39°37'0.9080"N	80°35'43.5030"W	15299.98	153.486	0.39	-0.33	-0.21
23118.00	90.030	157.170	7620.41	15395.37	-13779.21	6867.59	1691451.71	408599.06	39°37'0.0386"N	80°35'43.0120"W	15395.79	153.508	0.18	0.12	0.14
23213.00	89.970	157.360	7620.41	15490.21	-13866.82	6904.30	1691488.42	408511.44	39°36'59.1771"N	80°35'42.5292"W	15490.58	153.531	0.21	-0.06	0.20
23308.00	90.000	157.310	7620.44	15585.04	-13954.49	6940.91	1691525.02	408423.79	39°36'58.3152"N	80°35'42.0478"W	15585.38	153.554	0.06	0.03	-0.05
23404.00	90.030	157.350	7620.41	15680.87	-14043.07	6977.91	1691562.02	408335.21	39°36'57.4442"N	80°35'41.5613"W	15681.17	153.578	0.05	0.03	0.04
23499.00	89.970	157.170	7620.41	15775.71	-14130.69	7014.63	1691598.74	408247.60	39°36'56.5828"N	80°35'41.0784"W	15775.97	153.600	0.20	-0.06	-0.19
23594.00	90.090	157.310	7620.36	15870.55	-14218.29	7051.38	1691635.49	408160.00	39°36'55.7215"N	80°35'40.5952"W	15870.78	153.621	0.19	0.13	0.15
23690.00	90.030	157.330	7620.26	15966.39	-14306.87	7088.40	1691672.51	408071.43	39°36'54.8506"N	80°35'40.1085"W	15966.58	153.644	0.07	-0.06	0.02
23784.00	90.120	157.330	7620.14	16060.22	-14393.60	7124.63	1691708.73	407984.70	39°36'53.9978"N	80°35'39.6321"W	16060.39	153.665	0.10	0.10	0.00
23879.00	90.030	156.260	7620.01	16155.10	-14480.92	7162.06	1691746.16	407897.39	39°36'53.1394"N	80°35'39.1402"W	16155.25	153.684	1.13	-0.09	-1.13
23975.00	89.910	156.130	7620.06	16251.02	-14568.75	7200.81	1691784.91	407809.56	39°36'52.2761"N	80°35'38.6315"W	16251.16	153.698	0.18	-0.12	-0.14
24070.00	90.030	156.350	7620.11	16345.95	-14655.70	7239.09	1691823.18	407722.62	39°36'51.4214"N	80°35'38.1289"W	16346.06	153.713	0.26	0.13	0.23
24165.00	90.120	156.300	7619.99	16440.86	-14742.70	7277.23	1691861.33	407635.62	39°36'50.5662"N	80°35'37.6280"W	16440.97	153.728	0.11	0.09	-0.05
24261.00	90.250	156.070	7619.68	16536.79	-14830.53	7316.00	1691900.09	407547.80	39°36'49.7029"N	80°35'37.1190"W	16536.88	153.743	0.28	0.14	-0.24
24356.00	90.250	156.240	7619.27	16631.72	-14917.42	7354.40	1691938.49	407460.91	39°36'48.8489"N	80°35'36.6148"W	16631.79	153.756	0.18	0.00	0.18



Actual Wellpath Report

Haggard 10H AWB Proj: 25543'
Page 11 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Haggard 10H
Field	Wetzel	API	47-103-03529-0000
Facility	Haggard Pad	Wellbore	Haggard 10H AWB
Slot	Slot 10		

WELLPATH DATA (283 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]
24451.00	90.310	156.510	7618.80	16726.63	-15004.45	7392.47	1691976.56	407373.88	39°36'47.9933"N	80°35'36.1149"W	16726.69	153.771	0.29	0.06	0.28
24545.00	90.550	156.500	7618.10	16820.53	-15090.66	7429.95	1692014.03	407287.68	39°36'47.1459"N	80°35'35.6227"W	16820.58	153.786	0.26	0.26	-0.01
24640.00	90.520	156.310	7617.21	16915.44	-15177.71	7467.97	1692052.05	407200.64	39°36'46.2902"N	80°35'35.1234"W	16915.48	153.801	0.20	-0.03	-0.20
24734.00	90.520	156.620	7616.36	17009.34	-15263.89	7505.50	1692089.58	407114.46	39°36'45.4431"N	80°35'34.6304"W	17009.38	153.816	0.33	0.00	0.33
24829.00	90.150	156.190	7615.80	17104.25	-15350.95	7543.53	1692127.61	407027.41	39°36'44.5873"N	80°35'34.1311"W	17104.28	153.830	0.60	-0.39	-0.45
24924.00	90.150	156.330	7615.55	17199.17	-15437.91	7581.77	1692165.85	406940.46	39°36'43.7325"N	80°35'33.6289"W	17199.19	153.844	0.15	0.00	0.15
25019.00	90.120	156.490	7615.33	17294.08	-15524.97	7619.79	1692203.86	406853.40	39°36'42.8767"N	80°35'33.1297"W	17294.10	153.858	0.17	-0.03	0.17
25114.00	90.120	156.320	7615.13	17388.99	-15612.02	7657.82	1692241.89	406766.35	39°36'42.0209"N	80°35'32.6303"W	17389.00	153.872	0.18	0.00	-0.18
25210.00	90.120	156.190	7614.93	17484.92	-15699.90	7696.47	1692280.54	406678.48	39°36'41.1572"N	80°35'32.1228"W	17484.92	153.885	0.14	0.00	-0.14
25305.00	90.090	156.230	7614.75	17579.84	-15786.83	7734.79	1692318.86	406591.56	39°36'40.3027"N	80°35'31.6197"W	17579.84	153.897	0.05	-0.03	0.04
25400.00	90.090	156.290	7614.60	17674.76	-15873.79	7773.04	1692357.10	406504.60	39°36'39.4479"N	80°35'31.1175"W	17674.76	153.910	0.06	0.00	0.06
25495.00	90.950	156.340	7613.74	17769.67	-15960.78	7811.20	1692395.26	406417.62	39°36'38.5928"N	80°35'30.6165"W	17769.67	153.923	0.91	0.91	0.05
25543.00‡	90.950	156.340	7612.95	17817.63	-16004.74	7830.46	1692414.52	406373.66	39°36'38.1607"N	80°35'30.3636"W	17817.63	153.929	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: Haggard 10H AWB Ref Wellpath: Haggard 10H AWB Proj: 25543'

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]
17.5in Open Hole	28.00	1490.00	1462.00	28.00	1489.99	0.00	0.00	1.87	2.34
13.375in Casing Surface	28.00	1490.00	1462.00	28.00	1489.99	0.00	0.00	1.87	2.34
12.25in Open Hole	1490.00	2947.00	1457.00	1489.99	2946.98	1.87	2.34	-0.02	8.04
9.625in Casing Intermediate	28.00	2947.00	2919.00	28.00	2946.98	0.00	0.00	-0.02	8.04
8.75in Open Hole	2947.00	6932.00	3985.00	2946.98	6914.58	-0.02	8.04	205.68	-228.39
8.5in Open Hole	6932.00	25543.00	18611.00	6914.58	7612.95	205.68	-228.39	-16004.74	7830.46
6in Casing Production	28.00	25543.00	25515.00	28.00	7612.95	0.00	0.00	-16004.74	7830.46

RECEIVED
 Office of Oil and Gas
 WV Department of
 Environmental Protection
 JUL 08 2024



Actual Wellpath Report

Haggard 10H AWB Proj: 25543'

Page 12 of 13



REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Haggard 10H
Field	Wetzel	API	47-103-03529-0000
Facility	Haggard Pad	Wellbore	Haggard 10H AWB
Slot	Slot 10		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Haggard 10H LP Rev-1	7663.00	-353.31	78.14	1684662.68	422024.13	39°39'11.8910"N	80°37'11.9004"W	point
Haggard 10H BHL Rev-1	7815.70	-16005.53	7830.87	1692414.93	406372.87	39°36'38.1529"N	80°35'30.3583"W	point

WELLPATH COMPOSITION - Ref Wellbore: Haggard 10H AWB Ref Wellpath: Haggard 10H AWB Proj: 25543'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	1515.00	Gyrodata 2015 - CT+WIR+DPIPE	01_Gyrodata Cont. Gyro <17-1/2">(115'-1515')	Haggard 10H AWB	9/20/2023
1515.00	2938.00	Gyrodata 2015 - CT+WIR+DPIPE	02_Gyrodata Cont. Gyro <12-1/4">(1615'-2938')	Haggard 10H AWB	11/8/2023
2938.00	6851.00	OWSG MWD rev2 + HRGM	03_SDI MWD <8-3/4">(2938')(2976'-6851')	Haggard 10H AWB	9/20/2023
6851.00	25543.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	04_BH Lucida+SQC IFR1+SAG_FDIR<8-1/2">(6851')(6966'-25495')	Haggard 10H AWB	11/8/2023

RECEIVED
 Office of Oil and Gas
 JUL 08 2024
 WV Department of
 Environmental Protection



Actual Wellpath Report

Haggard 10H AWB Proj: 25543'

Page 13 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Haggard 10H
Field	Wetzel	API	47-103-03529-0000
Facility	Haggard Pad	Wellbore	Haggard 10H AWB
Slot	Slot 10		

COMMENTS

Wellpath general comments

API: 47-103-03529-0000

BH Job #: 111974012

Rig: Patterson 292

Duration: 11/12/2023-11/15/2023

01_Gyrodata Cont. Gyro <17-1/2">(115'-1515')

02_Gyrodata Cont. Gyro <12-1/4">(1615'-2938')

03_SDI MWD <8-3/4">(2938')(2976'-6851')

04_BH Lucida+SQC IFR1+SAG_FDIR<8-1/2">(6851')(6966'-25495')

Landing Pt. @ 8107' MD

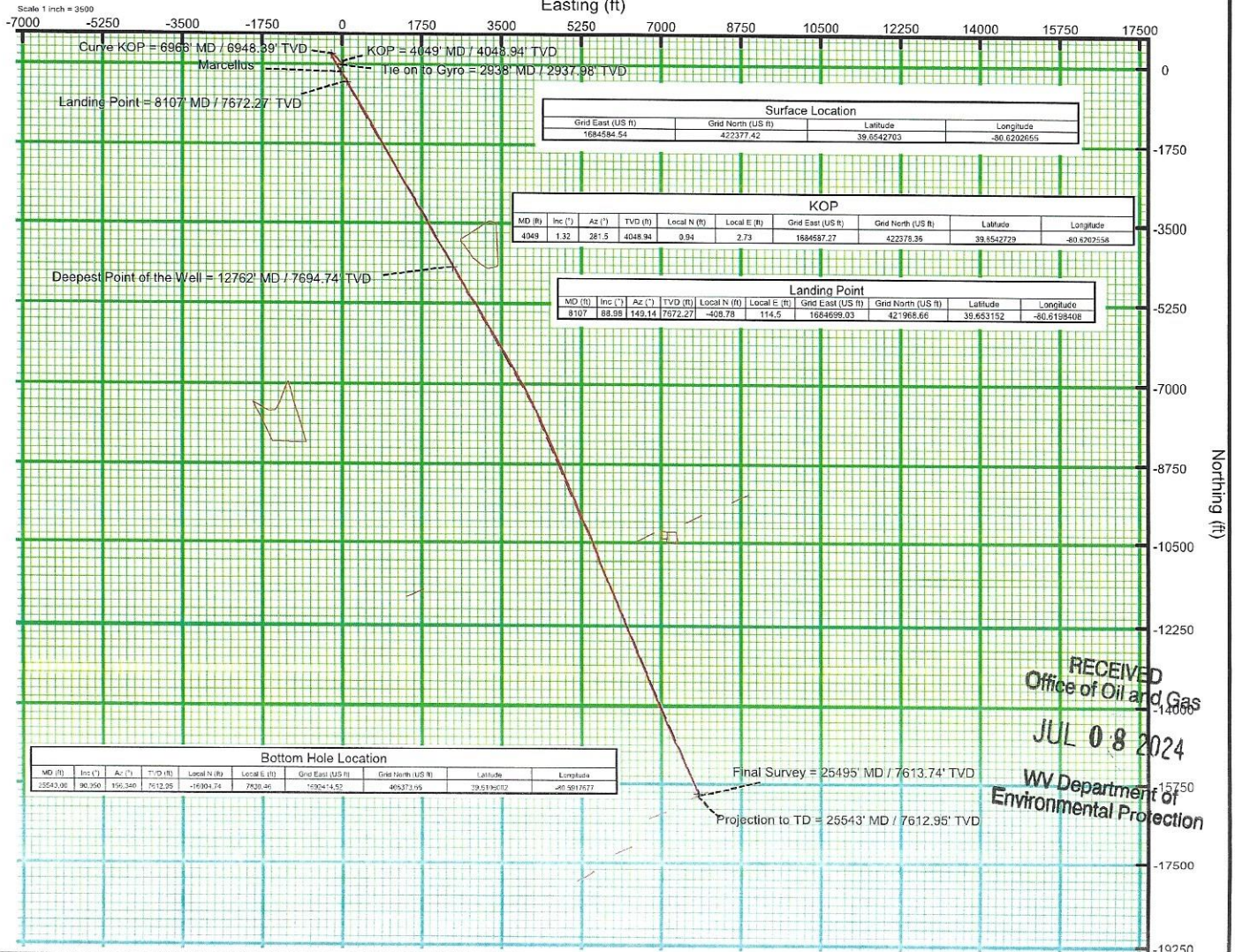
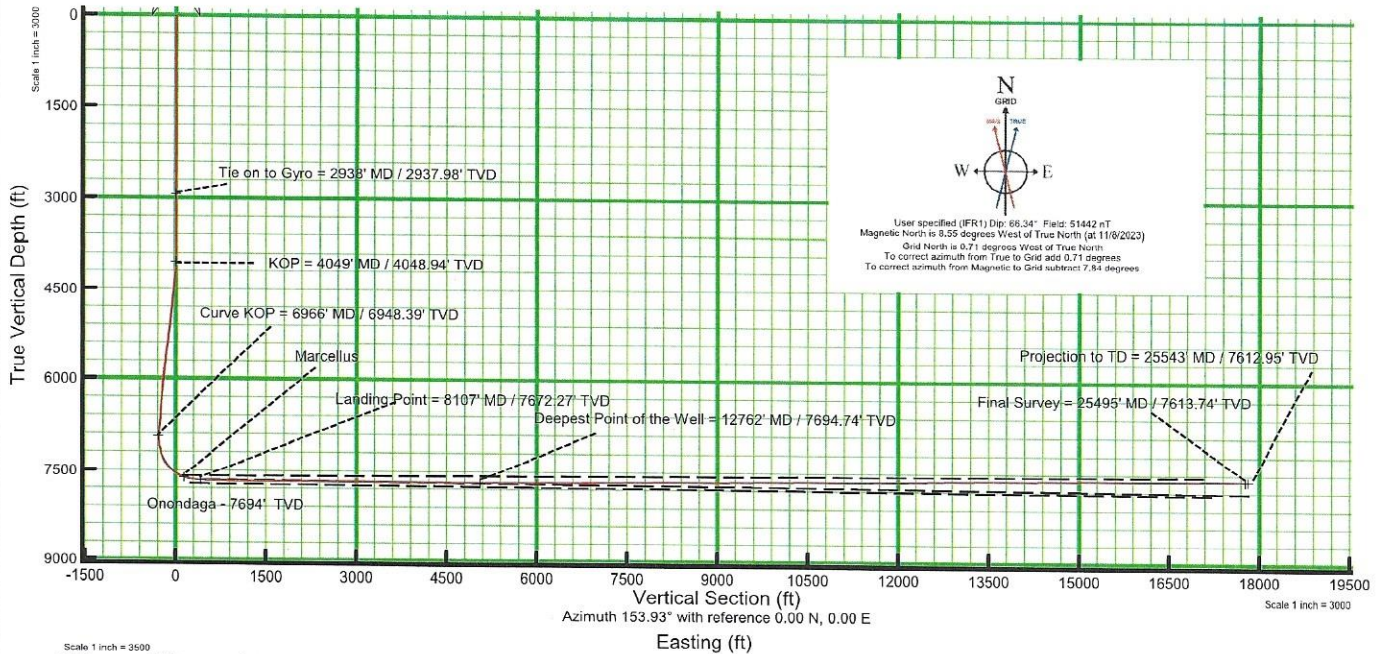
Final Survey @ 25495' MD

Projected MD at TD: 25543'

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection



KB Elevation=1547 FT
 Ground Elevation=1519 FT
 All Survey Measurements were taken from KB Elevation



RECEIVED
 Office of Oil and Gas
 JUL 08 2024
 WV Department of
 Environmental Protection

08/16/2024