



Actual Wellpath Report

Michael Kuhn 10H AWP Proj: 25650'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Michael Kuhn 10H (L-003943)
Field	Wetzel	API/Legal	
Facility	Big 467 Pad	Wellbore	Michael Kuhn 10H AWB
Slot	Slot 10H		

REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Manajohj
Scale	0.999941	Report Generated	2/3/2022 at 10:02:43 PM
Convergence at slot	0.66° 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	-19.32	57.72	1709493.23	407834.57	39°36'54.5935"N	80°31'52.3638"W
Facility Reference Pt			1709435.51	407853.89	39°36'54.7779"N	80°31'53.1042"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 294 (RKB) to Facility Vertical Datum	1536.00ft
Horizontal Reference Pt	Slot	Patterson 294 (RKB) to Mean Sea Level	1536.00ft
Vertical Reference Pt	Patterson 294 (RKB)	Patterson 294 (RKB) to Ground Level at Slot (Slot 10H)	28.00ft
MD Reference Pt	Patterson 294 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	145.39°

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WELLPATH DATA (284 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	114.620	0.00	0.00	0.00	0.00	1709493.23	407834.57	39°36'54.5935"N	80°31'52.3638"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	114.620	28.00	0.00	0.00	0.00	1709493.23	407834.57	39°36'54.5935"N	80°31'52.3638"W	0.00	0.000	0.00	0.00	0.00
115.00	0.100	114.620	115.00	0.07	-0.03	0.07	1709493.30	407834.54	39°36'54.5932"N	80°31'52.3629"W	0.08	114.620	0.11	0.11	0.00
215.00	0.110	115.420	215.00	0.22	-0.11	0.24	1709493.47	407834.46	39°36'54.5924"N	80°31'52.3608"W	0.26	114.916	0.01	0.01	0.80
315.00	0.120	95.550	315.00	0.37	-0.16	0.43	1709493.66	407834.41	39°36'54.5919"N	80°31'52.3584"W	0.46	110.648	0.04	0.01	-19.87
415.00	0.100	83.970	415.00	0.48	-0.16	0.62	1709493.85	407834.41	39°36'54.5919"N	80°31'52.3559"W	0.64	104.667	0.03	-0.02	-11.58
515.00	0.110	70.470	515.00	0.55	-0.12	0.79	1709494.02	407834.45	39°36'54.5924"N	80°31'52.3537"W	0.80	98.607	0.03	0.01	-13.50
615.00	0.080	84.500	615.00	0.61	-0.08	0.95	1709494.18	407834.49	39°36'54.5928"N	80°31'52.3516"W	0.96	94.878	0.04	-0.03	14.03
715.00	0.050	72.920	715.00	0.66	-0.06	1.07	1709494.30	407834.51	39°36'54.5930"N	80°31'52.3502"W	1.07	93.327	0.03	-0.03	-11.58
815.00	0.110	79.240	815.00	0.71	-0.03	1.20	1709494.43	407834.54	39°36'54.5933"N	80°31'52.3485"W	1.20	91.488	0.06	0.06	6.32
915.00	0.070	145.480	915.00	0.81	-0.06	1.33	1709494.56	407834.51	39°36'54.5930"N	80°31'52.3468"W	1.33	92.737	0.10	-0.04	66.24
1015.00	0.050	333.020	1015.00	0.83	-0.08	1.35	1709494.58	407834.49	39°36'54.5929"N	80°31'52.3466"W	1.35	93.194	0.12	-0.02	-172.46
1115.00	0.080	85.010	1115.00	0.82	-0.03	1.39	1709494.62	407834.54	39°36'54.5933"N	80°31'52.3460"W	1.40	91.236	0.11	0.03	111.99
1215.00	0.130	104.330	1215.00	0.94	-0.05	1.57	1709494.80	407834.52	39°36'54.5931"N	80°31'52.3437"W	1.58	91.896	0.06	0.05	19.32
1302.00	0.060	47.840	1302.00	1.01	-0.05	1.70	1709494.93	407834.52	39°36'54.5932"N	80°31'52.3420"W	1.70	91.545	0.13	-0.08	-64.93
1388.00	0.200	282.930	1388.00	0.89	0.02	1.59	1709494.82	407834.59	39°36'54.5938"N	80°31'52.3435"W	1.59	89.357	0.28	0.16	-145.24
1431.00	0.200	3.920	1431.00	0.77	0.11	1.52	1709494.75	407834.68	39°36'54.5947"N	80°31'52.3444"W	1.53	85.887	0.60	0.00	188.35
1474.00	1.160	27.860	1473.99	0.51	0.57	1.73	1709494.96	407835.14	39°36'54.5993"N	80°31'52.3418"W	1.82	71.801	2.28	2.23	55.67
1517.00	3.000	27.160	1516.96	-0.22	1.96	2.45	1709495.68	407836.53	39°36'54.6131"N	80°31'52.3328"W	3.13	51.390	4.28	4.28	-1.63
1560.00	4.570	31.190	1559.87	-1.45	4.42	3.85	1709497.08	407838.99	39°36'54.6376"N	80°31'52.3153"W	5.86	41.039	3.70	3.65	9.37
1603.00	5.530	29.750	1602.70	-3.05	7.69	5.76	1709498.99	407842.26	39°36'54.6701"N	80°31'52.2913"W	9.61	36.869	2.25	2.23	-3.35
1647.00	6.200	30.940	1646.47	-4.95	11.56	8.04	1709501.27	407846.13	39°36'54.7087"N	80°31'52.2628"W	14.08	34.802	1.55	1.52	2.70
1690.00	6.530	33.180	1689.21	-6.84	15.60	10.57	1709503.80	407850.17	39°36'54.7489"N	80°31'52.2311"W	18.85	34.116	0.96	0.77	5.21
1776.00	6.700	47.130	1774.64	-9.41	23.11	16.92	1709510.15	407857.68	39°36'54.8238"N	80°31'52.1510"W	28.64	36.216	1.87	0.20	16.22
1862.00	5.790	55.820	1860.13	-10.10	28.96	24.19	1709517.42	407863.53	39°36'54.8824"N	80°31'52.0590"W	37.73	39.871	1.52	-1.06	10.10
1948.00	3.860	50.630	1945.82	-10.30	33.23	30.02	1709523.24	407867.80	39°36'54.9253"N	80°31'51.9852"W	44.78	42.088	2.30	-2.24	-6.03
2035.00	3.410	33.240	2032.65	-11.52	37.26	33.70	1709526.93	407871.82	39°36'54.9655"N	80°31'51.9387"W	50.24	42.131	1.36	-0.52	-19.99
2121.00	4.390	30.610	2118.45	-13.87	42.23	36.78	1709530.00	407876.79	39°36'55.0150"N	80°31'51.9001"W	56.00	41.053	1.16	1.14	-3.06
2208.00	5.360	36.800	2205.13	-16.56	48.35	40.91	1709534.13	407882.91	39°36'55.0759"N	80°31'51.8482"W	63.33	40.235	1.27	1.11	7.11
2294.00	6.200	39.490	2290.70	-19.11	55.15	46.27	1709539.49	407889.71	39°36'55.1437"N	80°31'51.7808"W	71.98	39.995	1.03	0.98	3.13

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Facility	Big 467 Pad		Wellbore	Michael Kuhn 10H AWB
Slot	Slot 10H			

WELLPATH DATA (284 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]
2380.00	5.910	44.950	2376.22	-21.18	61.86	52.35	1709545.57	407896.43	39°36'55.2108"N	80°31'51.7040"W	81.04	40.237	0.75	-0.34	6.35
2466.00	3.860	52.180	2461.90	-22.15	66.77	57.76	1709550.99	407901.34	39°36'55.2599"N	80°31'51.6356"W	88.29	40.861	2.48	-2.38	8.41
2553.00	2.970	58.400	2548.75	-22.19	69.75	62.00	1709555.22	407904.32	39°36'55.2898"N	80°31'51.5819"W	93.32	41.631	1.11	-1.02	7.15
2639.00	3.070	43.340	2634.63	-22.56	72.59	65.47	1709558.70	407907.16	39°36'55.3183"N	80°31'51.5379"W	97.76	42.048	0.93	0.12	-17.51
2725.00	3.790	30.480	2720.47	-24.24	76.72	68.50	1709561.72	407911.28	39°36'55.3594"N	80°31'51.4999"W	102.85	41.760	1.22	0.84	-14.95
2789.00	4.300	30.920	2784.31	-26.12	80.60	70.80	1709564.03	407915.16	39°36'55.3980"N	80°31'51.4710"W	107.28	41.298	0.80	0.80	0.69
2855.00	4.530	30.400	2850.12	-28.25	84.97	73.39	1709566.62	407919.53	39°36'55.4415"N	80°31'51.4385"W	112.28	40.819	0.35	0.35	-0.79
2898.00	4.820	34.740	2892.98	-29.60	87.92	75.28	1709568.51	407922.48	39°36'55.4709"N	80°31'51.4148"W	115.75	40.572	1.06	0.67	10.09
2941.00	5.400	34.520	2935.80	-30.96	91.07	77.46	1709570.68	407925.63	39°36'55.5023"N	80°31'51.3875"W	119.56	40.382	1.35	1.35	-0.51
2984.00	6.430	32.870	2978.58	-32.60	94.76	79.91	1709573.14	407929.32	39°36'55.5390"N	80°31'51.3567"W	123.96	40.141	2.43	2.40	-3.84
3027.00	7.390	34.770	3021.26	-34.50	99.05	82.79	1709576.02	407933.62	39°36'55.5818"N	80°31'51.3205"W	129.10	39.891	2.29	2.23	4.42
3071.00	8.430	35.250	3064.84	-36.61	104.01	86.27	1709579.49	407938.58	39°36'55.6312"N	80°31'51.2768"W	135.13	39.673	2.37	2.36	1.09
3114.00	8.880	36.450	3107.35	-38.77	109.26	90.06	1709583.29	407943.82	39°36'55.6834"N	80°31'51.2291"W	141.59	39.499	1.13	1.05	2.79
3156.00	9.100	36.130	3148.84	-40.92	114.55	93.95	1709587.17	407949.11	39°36'55.7361"N	80°31'51.1803"W	148.14	39.357	0.54	0.52	-0.76
3200.00	9.470	36.660	3192.26	-43.23	120.26	98.16	1709591.38	407954.82	39°36'55.7931"N	80°31'51.1273"W	155.23	39.222	0.86	0.84	1.20
3243.00	9.640	37.270	3234.66	-45.48	125.96	102.45	1709595.67	407960.52	39°36'55.8499"N	80°31'51.0733"W	162.37	39.123	0.46	0.40	1.42
3286.00	10.000	38.470	3277.03	-47.69	131.75	106.95	1709600.18	407966.31	39°36'55.9076"N	80°31'51.0166"W	169.70	39.069	0.96	0.84	2.79
3372.00	10.770	37.700	3361.62	-52.30	143.95	116.51	1709609.74	407978.52	39°36'56.0293"N	80°31'50.8962"W	185.20	38.986	0.91	0.90	-0.90
3459.00	11.470	37.200	3446.99	-57.47	157.28	126.71	1709619.94	407991.84	39°36'56.1621"N	80°31'50.7679"W	201.97	38.857	0.81	0.80	-0.57
3545.00	11.300	38.550	3531.30	-62.58	170.68	137.13	1709630.36	408005.24	39°36'56.2957"N	80°31'50.6367"W	218.94	38.781	0.37	-0.20	1.57
3631.00	11.350	41.170	3615.62	-67.10	183.64	147.96	1709641.18	408018.20	39°36'56.4250"N	80°31'50.5003"W	235.82	38.858	0.60	0.06	3.05
3717.00	11.420	39.820	3699.93	-71.47	196.55	158.98	1709652.20	408031.10	39°36'56.5539"N	80°31'50.3614"W	252.79	38.968	0.32	0.08	-1.57
3803.00	11.710	39.660	3784.19	-76.12	209.80	170.00	1709663.22	408044.36	39°36'56.6861"N	80°31'50.2225"W	270.03	39.017	0.34	0.34	-0.19
3889.00	12.200	40.700	3868.32	-80.79	223.41	181.50	1709674.72	408057.97	39°36'56.8219"N	80°31'50.0776"W	287.84	39.090	0.62	0.57	1.21
3975.00	12.460	40.180	3952.34	-85.53	237.39	193.41	1709686.63	408071.94	39°36'56.9614"N	80°31'49.9274"W	306.20	39.171	0.33	0.30	-0.60
4062.00	12.370	39.410	4037.30	-90.55	251.76	205.38	1709698.60	408086.31	39°36'57.1048"N	80°31'49.7766"W	324.91	39.207	0.22	-0.10	-0.89
4148.00	12.110	40.530	4121.35	-95.40	265.73	217.09	1709710.31	408100.29	39°36'57.2442"N	80°31'49.6290"W	343.14	39.247	0.41	-0.30	1.30
4234.00	12.360	41.770	4205.40	-99.89	279.46	229.08	1709722.30	408114.01	39°36'57.3812"N	80°31'49.4778"W	361.35	39.343	0.42	0.29	1.44
4320.00	12.380	42.870	4289.40	-104.05	293.06	241.49	1709734.70	408127.63	39°36'57.5172"N	80°31'49.3213"W	379.75	39.488	0.27	0.02	1.28
4407.00	11.850	41.190	4374.46	-108.26	306.63	253.71	1709746.93	408141.19	39°36'57.6526"N	80°31'49.1670"W	397.99	39.605	0.73	-0.61	-1.93

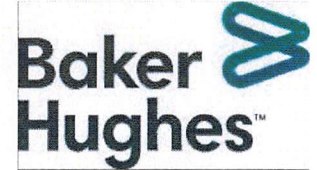
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4491.00	11.880	41.030	4456.67	-112.52	319.65	265.07	1709758.28	408154.20	39°36'57.7824"N	80°31'49.0239"W	415.25	39.668	0.05	0.04	-0.19
4578.00	11.530	39.430	4541.86	-117.14	333.12	276.47	1709769.68	408167.67	39°36'57.9169"N	80°31'48.8802"W	432.90	39.691	0.55	-0.40	-1.84
4664.00	10.740	38.740	4626.24	-121.80	346.01	286.95	1709780.16	408180.56	39°36'58.0454"N	80°31'48.7482"W	449.51	39.669	0.93	-0.92	-0.80
4750.00	10.580	40.760	4710.75	-126.09	358.24	297.11	1709790.33	408192.79	39°36'58.1674"N	80°31'48.6201"W	465.41	39.672	0.47	-0.19	2.35
4836.00	10.510	44.310	4795.30	-129.59	369.83	307.75	1709800.96	408204.38	39°36'58.2832"N	80°31'48.4859"W	481.13	39.765	0.76	-0.08	4.13
4923.00	9.920	43.800	4880.92	-132.62	380.92	318.48	1709811.69	408215.46	39°36'58.3940"N	80°31'48.3504"W	496.51	39.898	0.69	-0.68	-0.59
4998.00	10.440	41.780	4954.74	-135.51	390.65	327.48	1709820.69	408225.19	39°36'58.4912"N	80°31'48.2369"W	509.75	39.973	0.84	0.69	-2.69
5085.00	10.300	40.380	5040.32	-139.38	402.45	337.77	1709830.98	408237.00	39°36'58.6090"N	80°31'48.1071"W	525.41	40.006	0.33	-0.16	-1.61
5171.00	9.950	38.780	5124.98	-143.50	414.10	347.40	1709840.61	408248.64	39°36'58.7252"N	80°31'47.9857"W	540.52	39.994	0.52	-0.41	-1.86
5257.00	10.570	38.650	5209.61	-147.89	426.05	356.98	1709850.19	408260.60	39°36'58.8444"N	80°31'47.8651"W	555.84	39.959	0.72	0.72	-0.15
5343.00	11.210	40.860	5294.06	-152.26	438.53	367.38	1709860.59	408273.08	39°36'58.9689"N	80°31'47.7341"W	572.08	39.954	0.89	0.74	2.57
5429.00	11.360	39.710	5378.39	-156.65	451.37	378.26	1709871.46	408285.91	39°36'59.0970"N	80°31'47.5969"W	588.91	39.964	0.31	0.17	-1.34
5515.00	11.580	37.560	5462.68	-161.58	464.73	388.93	1709882.14	408299.27	39°36'59.2303"N	80°31'47.4625"W	606.00	39.926	0.56	0.26	-2.50
5601.00	11.620	37.490	5546.92	-166.89	478.45	399.46	1709892.67	408312.99	39°36'59.3670"N	80°31'47.3299"W	623.28	39.859	0.05	0.05	-0.08
5688.00	11.000	39.050	5632.23	-171.92	491.84	410.03	1709903.23	408326.38	39°36'59.5006"N	80°31'47.1969"W	640.34	39.816	0.79	-0.71	1.79
5774.00	10.460	42.130	5716.73	-176.01	504.00	420.43	1709913.64	408338.54	39°36'59.6220"N	80°31'47.0658"W	656.34	39.834	0.92	-0.63	3.58
5860.00	10.780	43.460	5801.26	-179.47	515.63	431.20	1709924.40	408350.17	39°36'59.7381"N	80°31'46.9299"W	672.17	39.904	0.47	0.37	1.55
5946.00	10.890	42.150	5885.72	-182.99	527.49	442.18	1709935.39	408362.03	39°36'59.8566"N	80°31'46.7913"W	688.31	39.972	0.31	0.13	-1.52
6033.00	11.130	40.850	5971.12	-186.98	539.94	453.19	1709946.39	408374.47	39°36'59.9808"N	80°31'46.6524"W	704.92	40.008	0.40	0.28	-1.49
6119.00	11.410	39.140	6055.46	-191.45	552.81	463.99	1709957.19	408387.35	39°37'0.1093"N	80°31'46.5164"W	721.73	40.008	0.51	0.33	-1.99
6205.00	10.560	45.080	6139.89	-195.24	564.98	474.94	1709968.14	408399.51	39°37'0.2307"N	80°31'46.3782"W	738.08	40.052	1.64	-0.99	6.91
6292.00	10.330	48.220	6225.45	-197.64	575.80	486.40	1709979.60	408410.34	39°37'0.3390"N	80°31'46.2334"W	753.75	40.189	0.71	-0.26	3.61
6378.00	10.850	42.920	6309.98	-200.35	586.87	497.67	1709990.86	408421.40	39°37'0.4496"N	80°31'46.0911"W	769.47	40.298	1.28	0.60	-6.16
6464.00	11.820	38.940	6394.31	-204.59	599.65	508.71	1710001.91	408434.18	39°37'0.5772"N	80°31'45.9518"W	786.36	40.310	1.45	1.13	-4.63
6551.00	11.880	36.490	6479.45	-210.01	613.78	519.64	1710012.84	408448.31	39°37'0.7180"N	80°31'45.8142"W	804.21	40.252	0.58	0.07	-2.82
6637.00	12.590	34.150	6563.50	-216.28	628.65	530.17	1710023.36	408463.18	39°37'0.8662"N	80°31'45.6819"W	822.36	40.142	1.01	0.83	-2.72
6723.00	12.800	40.430	6647.40	-222.13	643.66	541.61	1710034.80	408478.19	39°37'1.0158"N	80°31'45.5379"W	841.21	40.079	1.62	0.24	7.30
6810.00	12.030	43.810	6732.37	-226.44	657.54	554.13	1710047.33	408492.07	39°37'1.1544"N	80°31'45.3799"W	859.90	40.122	1.22	-0.89	3.89
6896.00	11.510	44.120	6816.56	-229.92	670.17	566.31	1710059.51	408504.70	39°37'1.2806"N	80°31'45.2262"W	877.40	40.199	0.61	-0.60	0.36
6982.00	9.630	42.690	6901.10	-233.17	681.61	577.16	1710070.36	408516.14	39°37'1.3949"N	80°31'45.0892"W	893.15	40.256	2.21	-2.19	-1.66

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Field	Wetzel		API/Legal	
Facility	Big 467 Pad		Wellbore	Michael Kuhn 10H AWB
Slot	Slot 10H			

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7106.00	11.720	34.680	7022.95	-239.91	699.60	591.36	1710084.56	408534.12	39°37'1.5743"N	80°31'44.9104"W	916.05	40.207	2.06	1.69	-6.46
7155.00	12.890	31.710	7070.82	-243.86	708.34	597.07	1710090.26	408542.87	39°37'1.6613"N	80°31'44.8388"W	926.41	40.128	2.71	2.39	-6.06
7250.00	11.260	63.260	7163.82	-246.85	721.54	610.94	1710104.13	408556.07	39°37'1.7934"N	80°31'44.6635"W	945.44	40.255	7.06	-1.72	33.21
7345.00	14.590	102.080	7256.57	-236.86	723.22	630.96	1710124.15	408557.74	39°37'1.8122"N	80°31'44.4079"W	959.77	41.103	9.57	3.51	40.86
7441.00	20.580	124.760	7348.15	-212.22	711.04	656.70	1710149.89	408545.57	39°37'1.6948"N	80°31'44.0772"W	967.90	42.725	9.37	6.24	23.62
7535.00	28.710	131.920	7433.53	-174.73	686.49	687.13	1710180.32	408521.02	39°37'1.4556"N	80°31'43.6848"W	971.30	45.027	9.20	8.65	7.62
7631.00	37.440	136.380	7513.91	-123.38	649.88	724.49	1710217.68	408484.41	39°37'1.0980"N	80°31'43.2020"W	973.26	48.107	9.44	9.09	4.65
7726.00	47.190	139.720	7584.08	-60.02	602.27	767.05	1710260.24	408436.81	39°37'0.6324"N	80°31'42.6513"W	975.25	51.862	10.53	10.26	3.52
7821.00	58.450	142.580	7641.41	15.34	543.34	814.34	1710307.52	408377.88	39°37'0.0553"N	80°31'42.0385"W	978.96	56.288	12.09	11.85	3.01
7916.00	66.500	144.270	7685.28	99.47	475.72	864.46	1710357.63	408310.26	39°36'59.3927"N	80°31'41.3882"W	986.71	61.176	8.62	8.47	1.78
8011.00	73.880	147.910	7717.46	188.76	401.57	914.22	1710407.40	408236.12	39°36'58.6656"N	80°31'40.7415"W	998.53	66.286	8.56	7.77	3.83
8106.00	80.570	149.040	7738.45	281.22	322.64	962.63	1710455.80	408157.19	39°36'57.8910"N	80°31'40.1115"W	1015.26	71.471	7.14	7.04	1.19
8201.00	89.380	150.830	7746.77	375.46	240.82	1009.98	1710503.15	408075.37	39°36'57.0877"N	80°31'39.4945"W	1038.29	76.589	9.46	9.27	1.88
8296.00	88.340	147.550	7748.66	470.21	159.25	1058.62	1710551.79	407993.81	39°36'56.2871"N	80°31'38.8611"W	1070.53	81.445	3.62	-1.09	-3.45
8391.00	88.150	148.950	7751.57	565.05	78.51	1108.59	1710601.75	407913.07	39°36'55.4948"N	80°31'38.2109"W	1111.36	85.949	1.49	-0.20	1.47
8486.00	89.320	148.940	7753.66	659.84	-2.86	1157.58	1710650.74	407831.71	39°36'54.6963"N	80°31'37.5730"W	1157.58	90.141	1.23	1.23	-0.01
8581.00	88.210	148.210	7755.71	754.67	-83.90	1207.10	1710700.25	407750.67	39°36'53.9010"N	80°31'36.9284"W	1210.01	93.976	1.40	-1.17	-0.77
8676.00	90.030	149.130	7757.17	849.50	-165.03	1256.49	1710749.64	407669.55	39°36'53.1047"N	80°31'36.2856"W	1267.28	97.483	2.15	1.92	0.97
8771.00	89.290	148.660	7757.74	944.32	-246.37	1305.56	1710798.71	407588.21	39°36'52.3065"N	80°31'35.6466"W	1328.61	100.687	0.92	-0.78	-0.49
8866.00	89.600	148.790	7758.66	1039.15	-327.56	1354.88	1710848.03	407507.03	39°36'51.5097"N	80°31'35.0047"W	1393.91	103.591	0.35	0.33	0.14
8961.00	89.380	148.690	7759.50	1133.99	-408.77	1404.17	1710897.32	407425.83	39°36'50.7127"N	80°31'34.3630"W	1462.46	106.231	0.25	-0.23	-0.11
9056.00	89.200	147.040	7760.68	1228.89	-489.21	1454.70	1710947.84	407345.39	39°36'49.9235"N	80°31'33.7057"W	1534.76	108.587	1.75	-0.19	-1.74
9151.00	90.000	147.400	7761.34	1323.84	-569.08	1506.13	1710999.27	407265.53	39°36'49.1400"N	80°31'33.0369"W	1610.06	110.698	0.92	0.84	0.38
9246.00	89.720	148.870	7761.57	1418.72	-649.76	1556.28	1711049.42	407184.85	39°36'48.3483"N	80°31'32.3843"W	1686.48	112.661	1.58	-0.29	1.55
9341.00	89.230	146.860	7762.44	1513.63	-730.19	1606.81	1711099.94	407104.42	39°36'47.5591"N	80°31'31.7270"W	1764.94	114.439	2.18	-0.52	-2.12
9436.00	89.170	148.650	7763.77	1608.53	-810.53	1657.49	1711150.62	407024.09	39°36'46.7709"N	80°31'31.0678"W	1845.06	116.059	1.89	-0.06	1.88
9531.00	89.820	149.520	7764.61	1703.33	-892.03	1706.30	1711199.42	406942.59	39°36'45.9710"N	80°31'30.4324"W	1925.40	117.600	1.14	0.68	0.92
9626.00	89.420	149.050	7765.24	1798.11	-973.70	1754.82	1711247.94	406860.93	39°36'45.1693"N	80°31'29.8005"W	2006.86	119.025	0.65	-0.42	-0.49
9721.00	89.600	148.440	7766.05	1892.94	-1054.91	1804.11	1711297.23	406779.72	39°36'44.3723"N	80°31'29.1589"W	2089.89	120.316	0.67	0.19	-0.64
9816.00	90.580	150.270	7766.90	1987.71	-1136.64	1852.53	1711345.64	406698.00	39°36'43.5701"N	80°31'28.5284"W	2173.43	121.532	2.19	1.03	1.93

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Slot	Slot 10H			

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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]
9911.00	88.830	149.140	7766.39	2082.43	-1218.66	1900.45	1711393.56	406615.99	39°36'42.7649"N	80°31'27.9042"W	2257.62	122.670	2.19	-1.84	-1.19
10006.00	89.230	148.300	7768.00	2177.26	-1299.84	1949.76	1711442.88	406534.81	39°36'41.9682"N	80°31'27.2623"W	2343.32	123.690	0.98	0.42	-0.88
10101.00	90.250	149.350	7768.43	2272.08	-1381.12	1998.94	1711492.05	406453.54	39°36'41.1706"N	80°31'26.6221"W	2429.66	124.642	1.54	1.07	1.11
10196.00	90.000	149.030	7768.22	2366.87	-1462.71	2047.60	1711540.70	406371.95	39°36'40.3697"N	80°31'25.9886"W	2516.38	125.540	0.43	-0.26	-0.34
10291.00	89.600	149.220	7768.55	2461.67	-1544.24	2096.35	1711589.45	406290.42	39°36'39.5694"N	80°31'25.3539"W	2603.72	126.377	0.47	-0.42	0.20
10386.00	89.380	148.470	7769.40	2556.49	-1625.54	2145.50	1711638.59	406209.13	39°36'38.7715"N	80°31'24.7141"W	2691.75	127.149	0.82	-0.23	-0.79
10481.00	89.780	149.200	7770.10	2651.32	-1706.83	2194.66	1711687.75	406127.85	39°36'37.9738"N	80°31'24.0742"W	2780.25	127.873	0.88	0.42	0.77
10577.00	89.630	148.280	7770.59	2747.15	-1788.89	2244.47	1711737.56	406045.79	39°36'37.1684"N	80°31'23.4258"W	2870.15	128.556	0.97	-0.16	-0.96
10672.00	89.690	149.100	7771.15	2841.99	-1870.05	2293.84	1711786.93	405964.64	39°36'36.3719"N	80°31'22.7833"W	2959.52	129.189	0.87	0.06	0.86
10767.00	90.550	150.480	7770.96	2936.71	-1952.14	2341.64	1711834.72	405882.55	39°36'35.5659"N	80°31'22.1606"W	3048.63	129.817	1.71	0.91	1.45
10862.00	90.490	148.940	7770.09	3031.43	-2034.17	2389.55	1711882.63	405800.53	39°36'34.7607"N	80°31'21.5366"W	3138.12	130.407	1.62	-0.06	-1.62
11052.00	90.990	148.250	7767.64	3221.12	-2196.32	2488.55	1711981.62	405638.38	39°36'33.1694"N	80°31'20.2482"W	3319.14	131.431	0.45	0.26	-0.36
11147.00	90.620	149.510	7766.30	3315.93	-2277.64	2537.64	1712030.72	405557.07	39°36'32.3713"N	80°31'19.6092"W	3409.88	131.909	1.38	-0.39	1.33
11242.00	91.020	148.380	7764.94	3410.74	-2359.01	2586.64	1712079.71	405475.70	39°36'31.5726"N	80°31'18.9713"W	3500.81	132.365	1.26	0.42	-1.19
11338.00	89.630	147.040	7764.40	3506.65	-2440.16	2637.92	1712130.99	405394.56	39°36'30.7764"N	80°31'18.3044"W	3593.47	132.770	2.01	-1.45	-1.40
11433.00	91.630	154.320	7763.35	3601.17	-2522.93	2684.41	1712177.47	405311.80	39°36'29.9637"N	80°31'17.6985"W	3683.91	133.224	7.95	2.11	7.66
11528.00	91.970	148.200	7760.37	3695.58	-2606.14	2730.04	1712223.10	405228.59	39°36'29.1464"N	80°31'17.1034"W	3774.27	133.670	6.45	0.36	-6.44
11623.00	91.720	149.760	7757.31	3790.34	-2687.51	2778.97	1712272.03	405147.22	39°36'28.3478"N	80°31'16.4664"W	3865.93	134.041	1.66	-0.26	1.64
11718.00	91.020	148.880	7755.04	3885.09	-2769.19	2827.43	1712320.49	405065.55	39°36'27.5461"N	80°31'15.8355"W	3957.62	134.404	1.18	-0.74	-0.93
11813.00	90.000	148.080	7754.19	3979.95	-2850.17	2877.09	1712370.15	404984.58	39°36'26.7514"N	80°31'15.1893"W	4049.83	134.731	1.36	-1.07	-0.84
11908.00	89.600	148.900	7754.52	4074.81	-2931.16	2926.74	1712419.79	404903.59	39°36'25.9565"N	80°31'14.5432"W	4142.16	135.043	0.96	-0.42	0.86
12003.00	89.540	148.710	7755.24	4169.64	-3012.42	2975.95	1712468.99	404822.33	39°36'25.1590"N	80°31'13.9028"W	4234.49	135.349	0.21	-0.06	-0.20
12098.00	90.220	148.080	7755.44	4264.50	-3093.33	3025.73	1712518.78	404741.43	39°36'24.3650"N	80°31'13.2550"W	4327.09	135.633	0.98	0.72	-0.66
12193.00	89.880	148.680	7755.35	4359.37	-3174.23	3075.54	1712568.58	404660.54	39°36'23.5711"N	80°31'12.6070"W	4419.80	135.905	0.73	-0.36	0.63
12289.00	88.680	147.530	7756.56	4455.25	-3255.72	3126.26	1712619.29	404579.05	39°36'22.7714"N	80°31'11.9472"W	4513.67	136.162	1.73	-1.25	-1.20
12383.00	90.800	150.140	7756.99	4549.07	-3336.14	3174.89	1712667.93	404498.63	39°36'21.9821"N	80°31'11.3142"W	4605.41	136.419	3.58	2.26	2.78
12478.00	89.910	148.800	7756.40	4643.82	-3417.97	3223.15	1712716.18	404416.81	39°36'21.1789"N	80°31'10.6858"W	4698.00	136.680	1.69	-0.94	-1.41
12573.00	90.280	149.150	7756.24	4738.64	-3499.38	3272.11	1712765.14	404335.41	39°36'20.3799"N	80°31'10.0485"W	4790.86	136.922	0.54	0.39	0.37
12668.00	90.430	148.530	7755.65	4833.46	-3580.67	3321.27	1712814.30	404254.12	39°36'19.5820"N	80°31'9.4087"W	4883.85	137.152	0.67	0.16	-0.65
12763.00	91.600	148.740	7753.97	4928.30	-3661.77	3370.71	1712863.73	404173.02	39°36'18.7860"N	80°31'8.7654"W	4976.97	137.370	1.25	1.23	0.22

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12858.00	90.370	149.760	7752.33	5023.06	-3743.40	3419.27	1712912.29	404091.40	39°36'17.9848"N	80°31'8.1332"W	5069.96	137.591	1.68	-1.29	1.07
12954.00	92.030	149.150	7750.32	5118.80	-3826.06	3468.05	1712961.06	404008.74	39°36'17.1734"N	80°31'7.4981"W	5163.92	137.810	1.84	1.73	-0.64
13049.00	90.580	148.970	7748.16	5213.57	-3907.52	3516.88	1713009.89	403927.29	39°36'16.3738"N	80°31'6.8625"W	5257.10	138.012	1.54	-1.53	-0.19
13143.00	91.420	152.720	7746.52	5307.12	-3989.58	3562.65	1713055.67	403845.23	39°36'15.5680"N	80°31'6.2658"W	5348.76	138.235	4.09	0.89	3.99
13239.00	91.140	147.200	7744.37	5402.75	-4072.63	3610.68	1713103.69	403762.19	39°36'14.7526"N	80°31'5.6402"W	5442.74	138.441	5.76	-0.29	-5.75
13334.00	90.830	147.460	7742.74	5497.68	-4152.59	3661.96	1713154.96	403682.23	39°36'13.9681"N	80°31'4.9736"W	5536.60	138.593	0.43	-0.33	0.27
13429.00	91.880	148.850	7740.49	5592.54	-4233.27	3712.06	1713205.07	403601.56	39°36'13.1765"N	80°31'4.3218"W	5630.27	138.753	1.83	1.11	1.46
13524.00	90.220	149.100	7738.75	5687.34	-4314.66	3761.02	1713254.02	403520.18	39°36'12.3776"N	80°31'3.6846"W	5723.77	138.922	1.77	-1.75	0.26
13619.00	90.090	148.140	7738.50	5782.18	-4395.76	3810.49	1713303.48	403439.08	39°36'11.5816"N	80°31'3.0409"W	5817.43	139.079	1.02	-0.14	-1.01
13714.00	90.000	149.410	7738.42	5877.02	-4477.00	3859.73	1713352.73	403357.85	39°36'10.7843"N	80°31'2.4001"W	5911.10	139.235	1.34	-0.09	1.34
13809.00	89.080	148.480	7739.18	5971.83	-4558.38	3908.74	1713401.73	403276.47	39°36'9.9856"N	80°31'1.7623"W	6004.75	139.387	1.38	-0.97	-0.98
13904.00	91.540	148.840	7738.67	6066.66	-4639.51	3958.14	1713451.13	403195.34	39°36'9.1893"N	80°31'1.1194"W	6098.52	139.531	2.62	2.59	0.38
13999.00	90.460	149.680	7737.01	6161.43	-4721.15	4006.69	1713499.68	403113.71	39°36'8.3879"N	80°31'0.4874"W	6192.16	139.680	1.44	-1.14	0.88
14094.00	90.030	148.480	7736.61	6256.23	-4802.64	4055.51	1713548.49	403032.22	39°36'7.5880"N	80°30'59.8520"W	6285.90	139.821	1.34	-0.45	-1.26
14189.00	90.370	148.710	7736.27	6351.08	-4883.73	4105.01	1713597.99	402951.14	39°36'6.7922"N	80°30'59.2079"W	6379.80	139.951	0.43	0.36	0.24
14285.00	90.340	148.550	7735.68	6446.93	-4965.69	4154.98	1713647.96	402869.18	39°36'5.9878"N	80°30'58.5577"W	6474.72	140.080	0.17	-0.03	-0.17
14380.00	91.080	149.090	7734.50	6541.75	-5046.96	4204.16	1713697.13	402787.92	39°36'5.1901"N	80°30'57.9177"W	6568.62	140.205	0.96	0.78	0.57
14475.00	91.720	149.390	7732.18	6636.50	-5128.57	4252.73	1713745.70	402706.31	39°36'4.3891"N	80°30'57.2854"W	6662.43	140.334	0.74	0.67	0.32
14569.00	91.540	148.710	7729.51	6730.27	-5209.15	4301.06	1713794.02	402625.73	39°36'3.5981"N	80°30'56.6565"W	6755.32	140.454	0.75	-0.19	-0.72
14664.00	91.600	148.730	7726.90	6825.08	-5290.31	4350.36	1713843.33	402544.58	39°36'2.8015"N	80°30'56.0149"W	6849.31	140.569	0.07	0.06	0.02
14760.00	91.630	147.170	7724.20	6920.94	-5371.65	4401.29	1713894.25	402463.25	39°36'2.0034"N	80°30'55.3526"W	6944.49	140.670	1.62	0.03	-1.62
14855.00	90.680	151.040	7722.28	7015.70	-5453.14	4450.05	1713943.00	402381.77	39°36'1.2036"N	80°30'54.7180"W	7038.44	140.784	4.19	-1.00	4.07
14950.00	91.350	148.910	7720.60	7110.38	-5535.37	4497.57	1713990.53	402299.54	39°36'0.3962"N	80°30'54.0990"W	7132.21	140.906	2.35	0.71	-2.24
15045.00	91.540	148.620	7718.20	7205.18	-5616.57	4546.82	1714039.77	402218.34	39°35'59.5992"N	80°30'53.4582"W	7226.30	141.009	0.36	0.20	-0.31
15140.00	92.120	147.940	7715.17	7300.01	-5697.34	4596.74	1714089.69	402137.58	39°35'58.8066"N	80°30'52.8089"W	7320.50	141.103	0.94	0.61	-0.72
15235.00	91.290	147.040	7712.34	7394.91	-5777.42	4647.77	1714140.72	402057.51	39°35'58.0209"N	80°30'52.1454"W	7414.87	141.184	1.29	-0.87	-0.95
15330.00	91.630	151.170	7709.92	7489.65	-5858.89	4696.53	1714189.47	401976.04	39°35'57.2212"N	80°30'51.5109"W	7508.93	141.284	4.36	0.36	4.35
15425.00	91.080	148.890	7707.68	7584.31	-5941.16	4743.97	1714236.91	401893.77	39°35'56.4134"N	80°30'50.8930"W	7602.80	141.393	2.47	-0.58	-2.40
15520.00	91.540	148.810	7705.50	7679.11	-6022.44	4793.10	1714286.03	401812.50	39°35'55.6157"N	80°30'50.2537"W	7696.98	141.485	0.49	0.48	-0.08
15616.00	91.790	149.010	7702.71	7774.89	-6104.62	4842.65	1714335.58	401730.33	39°35'54.8091"N	80°30'49.6089"W	7792.15	141.576	0.33	0.26	0.21

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Michael Kuhn 10H (L-003943)
Field	Wetzel	API/Legal	
Facility	Big 467 Pad	Wellbore	Michael Kuhn 10H AWB
Slot	Slot 10H		

WELLPATH DATA (284 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]
15711.00	92.120	150.060	7699.47	7869.59	-6186.45	4890.78	1714383.71	401648.50	39°35'54.0057"N	80°30'48.9822"W	7886.19	141.671	1.16	0.35	1.11
15806.00	91.170	149.810	7696.75	7964.25	-6268.64	4938.36	1714431.29	401566.32	39°35'53.1988"N	80°30'48.3626"W	7980.17	141.769	1.03	-1.00	-0.26
15901.00	90.740	148.360	7695.16	8059.03	-6350.13	4987.16	1714480.08	401484.83	39°35'52.3989"N	80°30'47.7275"W	8074.39	141.855	1.59	-0.45	-1.53
15996.00	90.740	150.020	7693.94	8153.81	-6431.71	5035.81	1714528.73	401403.25	39°35'51.5981"N	80°30'47.0943"W	8168.61	141.940	1.75	0.00	1.75
16091.00	90.950	149.590	7692.53	8248.52	-6513.81	5083.58	1714576.50	401321.16	39°35'50.7921"N	80°30'46.4722"W	8262.72	142.030	0.50	0.22	-0.45
16186.00	91.080	150.190	7690.85	8343.21	-6595.98	5131.23	1714624.15	401239.00	39°35'49.9854"N	80°30'45.8517"W	8356.82	142.119	0.65	0.14	0.63
16282.00	90.460	150.050	7689.56	8438.88	-6679.21	5179.06	1714671.97	401155.77	39°35'49.1681"N	80°30'45.2289"W	8451.89	142.210	0.66	-0.65	-0.15
16376.00	90.800	150.510	7688.53	8532.53	-6760.84	5225.65	1714718.56	401074.14	39°35'48.3666"N	80°30'44.6219"W	8544.96	142.298	0.61	0.36	0.49
16566.00	91.320	149.830	7685.01	8721.83	-6925.64	5320.15	1714813.05	400909.36	39°35'46.7485"N	80°30'43.3911"W	8733.18	142.469	0.45	0.27	-0.36
16661.00	91.450	149.330	7682.72	8816.55	-7007.53	5368.24	1714861.14	400827.47	39°35'45.9445"N	80°30'42.7651"W	8827.43	142.545	0.54	0.14	-0.53
16756.00	92.400	149.920	7679.53	8911.24	-7089.45	5416.25	1714909.14	400745.56	39°35'45.1404"N	80°30'42.1400"W	8921.66	142.621	1.18	1.00	0.62
16851.00	90.650	149.020	7677.00	9005.96	-7171.24	5464.49	1714957.38	400663.77	39°35'44.3374"N	80°30'41.5121"W	9015.95	142.693	2.07	-1.84	-0.95
16946.00	92.340	149.010	7674.52	9100.73	-7252.65	5513.37	1715006.27	400582.36	39°35'43.5383"N	80°30'40.8759"W	9110.34	142.758	1.78	1.78	-0.01
17041.00	92.220	150.740	7670.74	9195.36	-7334.76	5561.01	1715053.90	400500.26	39°35'42.7322"N	80°30'40.2556"W	9204.54	142.832	1.82	-0.13	1.82
17136.00	90.580	150.230	7668.42	9289.96	-7417.40	5607.80	1715100.69	400417.63	39°35'41.9207"N	80°30'39.6461"W	9298.67	142.910	1.81	-1.73	-0.54
17231.00	90.220	150.150	7667.76	9384.62	-7499.83	5655.03	1715147.91	400335.20	39°35'41.1113"N	80°30'39.0310"W	9392.91	142.983	0.39	-0.38	-0.08
17326.00	90.370	149.880	7667.27	9479.31	-7582.11	5702.50	1715195.38	400252.92	39°35'40.3034"N	80°30'38.4127"W	9487.20	143.053	0.33	0.16	-0.28
17421.00	89.540	149.970	7667.34	9574.01	-7664.32	5750.11	1715242.99	400170.72	39°35'39.4963"N	80°30'37.7928"W	9581.52	143.121	0.88	-0.87	0.09
17515.00	89.970	149.220	7667.74	9667.76	-7745.39	5797.68	1715290.56	400089.65	39°35'38.7004"N	80°30'37.1735"W	9674.93	143.184	0.92	0.46	-0.80
17611.00	91.940	149.510	7666.14	9763.51	-7827.98	5846.59	1715339.47	400007.07	39°35'37.8897"N	80°30'36.5369"W	9770.36	143.245	2.07	2.05	0.30
17705.00	89.600	146.180	7664.88	9857.39	-7907.53	5896.61	1715389.48	399927.52	39°35'37.1090"N	80°30'35.8867"W	9864.03	143.288	4.33	-2.49	-3.54
17801.00	90.150	148.700	7665.09	9953.32	-7988.44	5948.27	1715441.13	399846.62	39°35'36.3152"N	80°30'35.2152"W	9959.77	143.328	2.69	0.57	2.62
17895.00	90.280	149.070	7664.74	10047.15	-8068.91	5996.84	1715489.71	399766.15	39°35'35.5253"N	80°30'34.5832"W	10053.33	143.380	0.42	0.14	0.39
17990.00	90.460	149.000	7664.12	10141.95	-8150.37	6045.72	1715538.58	399684.70	39°35'34.7257"N	80°30'33.9472"W	10147.87	143.433	0.20	0.19	-0.07
18085.00	90.680	147.670	7663.18	10236.82	-8231.22	6095.59	1715588.44	399603.85	39°35'33.9322"N	80°30'33.2986"W	10242.52	143.478	1.42	0.23	-1.40
18180.00	90.220	148.930	7662.43	10331.69	-8312.05	6145.50	1715638.36	399523.03	39°35'33.1390"N	80°30'32.6494"W	10337.18	143.523	1.41	-0.48	1.33
18275.00	89.940	147.710	7662.30	10426.57	-8392.89	6195.40	1715688.25	399442.19	39°35'32.3456"N	80°30'32.0006"W	10431.85	143.566	1.32	-0.29	-1.28
18370.00	90.180	148.670	7662.20	10521.45	-8473.62	6245.47	1715738.32	399361.47	39°35'31.5533"N	80°30'31.3494"W	10526.54	143.608	1.04	0.25	1.01
18465.00	88.950	147.130	7662.92	10616.35	-8554.09	6295.95	1715788.79	399281.00	39°35'30.7637"N	80°30'30.6931"W	10621.27	143.646	2.07	-1.29	-1.62
18560.00	90.680	148.120	7663.23	10711.28	-8634.32	6346.81	1715839.66	399200.78	39°35'29.9765"N	80°30'30.0319"W	10716.04	143.682	2.10	1.82	1.04

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Actual Wellpath Report

Michael Kuhn 10H AWP Proj: 25650'

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REFERENCE WELLPATH IDENTIFICATION				
Operator	EQT PRODUCTION COMPANY		Well	Michael Kuhn 10H (L-003943)
Field	Wetzel		API/Legal	
Facility	Big 467 Pad		Wellbore	Michael Kuhn 10H AWB
Slot	Slot 10H			

WELLPATH DATA (284 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]
18655.00	89.690	148.350	7662.92	10806.16	-8715.09	6396.82	1715889.66	399120.02	39°35'29.1838"N	80°30'29.3816"W	10810.74	143.722	1.07	-1.04	0.24
18750.00	90.030	147.470	7663.15	10901.06	-8795.57	6447.29	1715940.13	399039.54	39°35'28.3940"N	80°30'28.7254"W	10905.49	143.758	0.99	0.36	-0.93
18844.00	90.890	149.360	7662.40	10994.92	-8875.64	6496.52	1715989.35	398959.47	39°35'27.6082"N	80°30'28.0852"W	10999.17	143.798	2.21	0.91	2.01
18939.00	88.950	148.160	7662.53	11089.75	-8956.86	6545.79	1716038.62	398878.26	39°35'26.8110"N	80°30'27.4443"W	11093.81	143.840	2.40	-2.04	-1.26
19034.00	91.880	148.390	7661.84	11184.62	-9037.65	6595.74	1716088.56	398797.47	39°35'26.0181"N	80°30'26.7947"W	11188.52	143.878	3.09	3.08	0.24
19129.00	89.570	147.340	7660.64	11279.52	-9118.09	6646.26	1716139.08	398717.04	39°35'25.2288"N	80°30'26.1379"W	11283.27	143.911	2.67	-2.43	-1.11
19223.00	89.970	148.280	7661.02	11373.43	-9197.64	6696.34	1716189.16	398637.50	39°35'24.4482"N	80°30'25.4869"W	11377.06	143.944	1.09	0.43	1.00
19317.00	90.370	149.610	7660.74	11467.25	-9278.16	6744.83	1716237.64	398556.98	39°35'23.6577"N	80°30'24.8560"W	11470.70	143.984	1.48	0.43	1.41
19412.00	89.880	149.470	7660.53	11562.00	-9360.05	6792.98	1716285.80	398475.09	39°35'22.8538"N	80°30'24.2292"W	11565.26	144.030	0.54	-0.52	-0.15
19507.00	90.710	149.530	7660.04	11656.75	-9441.90	6841.20	1716334.01	398393.25	39°35'22.0502"N	80°30'23.6017"W	11659.82	144.075	0.88	0.87	0.06
19602.00	90.680	150.480	7658.89	11751.44	-9524.17	6888.69	1716381.50	398310.98	39°35'21.2425"N	80°30'22.9834"W	11754.31	144.122	1.00	-0.03	1.00
19697.00	88.920	149.100	7659.22	11846.15	-9606.26	6936.49	1716429.29	398228.90	39°35'20.4365"N	80°30'22.3611"W	11848.84	144.168	2.35	-1.85	-1.45
19792.00	90.310	148.740	7659.86	11940.96	-9687.62	6985.53	1716478.33	398147.54	39°35'19.6379"N	80°30'21.7232"W	11943.52	144.205	1.51	1.46	-0.38
19887.00	90.310	150.070	7659.35	12035.73	-9769.39	7033.88	1716526.67	398065.78	39°35'18.8351"N	80°30'21.0939"W	12038.12	144.246	1.40	0.00	1.40
19982.00	89.230	149.920	7659.73	12130.42	-9851.66	7081.38	1716574.18	397983.51	39°35'18.0274"N	80°30'20.4754"W	12132.65	144.291	1.15	-1.14	-0.16
20077.00	88.550	149.160	7661.57	12225.15	-9933.53	7129.53	1716622.32	397901.65	39°35'17.2236"N	80°30'19.8487"W	12227.23	144.332	1.07	-0.72	-0.80
20172.00	89.780	151.850	7662.95	12319.75	-10016.20	7176.29	1716669.08	397818.98	39°35'16.4118"N	80°30'19.2397"W	12321.67	144.380	3.11	1.29	2.83
20267.00	88.460	149.940	7664.41	12414.30	-10099.19	7222.49	1716715.28	397736.00	39°35'15.5967"N	80°30'18.6377"W	12416.04	144.429	2.44	-1.39	-2.01
20363.00	87.810	147.980	7667.54	12510.05	-10181.40	7271.97	1716764.75	397653.80	39°35'14.7898"N	80°30'17.9941"W	12511.69	144.464	2.15	-0.68	-2.04
20458.00	88.310	150.190	7670.75	12604.80	-10262.85	7320.74	1716813.52	397572.35	39°35'13.9902"N	80°30'17.3595"W	12606.32	144.499	2.38	0.53	2.33
20553.00	89.050	148.260	7672.94	12699.55	-10344.44	7369.34	1716862.11	397490.76	39°35'13.1892"N	80°30'16.7272"W	12700.97	144.534	2.18	0.78	-2.03
20647.00	88.520	150.240	7674.93	12793.31	-10425.21	7417.38	1716910.16	397410.00	39°35'12.3964"N	80°30'16.1020"W	12794.63	144.569	2.18	-0.56	2.11
20743.00	89.450	150.280	7676.64	12888.95	-10508.55	7465.00	1716957.77	397326.67	39°35'11.5780"N	80°30'15.4820"W	12890.14	144.611	0.97	0.97	0.04
20838.00	89.420	149.050	7677.57	12983.68	-10590.53	7512.97	1717005.54	397244.68	39°35'10.7731"N	80°30'14.8576"W	12984.77	144.648	1.30	-0.03	-1.29
20933.00	88.370	148.540	7679.40	13078.49	-10671.77	7562.18	1717054.95	397163.45	39°35'9.9757"N	80°30'14.2175"W	13079.50	144.678	1.23	-1.11	-0.54
21123.00	88.920	149.510	7683.90	13268.05	-10834.63	7659.94	1717152.70	397000.60	39°35'8.3770"N	80°30'12.9457"W	13268.91	144.740	0.59	0.29	0.51
21218.00	88.580	149.110	7685.97	13362.81	-10916.30	7708.42	1717201.17	396918.93	39°35'7.5752"N	80°30'12.3149"W	13363.58	144.773	0.55	-0.36	-0.42
21313.00	88.770	150.100	7688.17	13457.53	-10998.22	7756.47	1717249.22	396837.02	39°35'6.7709"N	80°30'11.6896"W	13458.22	144.807	1.06	0.20	1.04
21408.00	89.050	149.690	7689.97	13552.21	-11080.39	7804.11	1717296.86	396754.85	39°35'5.9641"N	80°30'11.0694"W	13552.83	144.842	0.52	0.29	-0.43
21503.00	89.170	149.450	7691.45	13646.95	-11162.30	7852.22	1717344.97	396672.95	39°35'5.1600"N	80°30'10.4433"W	13647.50	144.875	0.28	0.13	-0.25

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Slot	Slot 10H		

WELLPATH DATA (284 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	88.120	149.470	7693.67	13740.69	-11243.23	7899.97	1717392.72	396592.02	39°35'4.3654"N	80°30'9.8219"W	13741.18	144.906	1.12	-1.12	0.02	
21692.00	88.000	148.160	7696.89	13835.46	-11324.46	7949.13	1717441.88	396510.80	39°35'3.5681"N	80°30'9.1824"W	13835.90	144.933	1.38	-0.13	-1.38	
21787.00	88.650	148.720	7699.67	13930.28	-11405.37	7998.84	1717491.58	396429.90	39°35'2.7740"N	80°30'8.5361"W	13930.68	144.957	0.90	0.68	0.59	
21882.00	87.660	149.480	7702.72	14025.03	-11486.84	8047.60	1717540.33	396348.43	39°35'1.9742"N	80°30'7.9018"W	14025.38	144.985	1.31	-1.04	0.80	
21978.00	87.780	148.650	7706.54	14120.76	-11569.12	8096.91	1717589.64	396266.16	39°35'1.1665"N	80°30'7.2603"W	14121.07	145.013	0.87	0.13	-0.86	
22073.00	86.340	149.100	7711.42	14215.46	-11650.34	8145.95	1717638.68	396184.95	39°35'0.3693"N	80°30'6.6224"W	14215.72	145.039	1.59	-1.52	0.47	
22168.00	86.430	146.070	7717.41	14310.19	-11730.37	8196.76	1717689.49	396104.92	39°34'59.5840"N	80°30'5.9620"W	14310.43	145.056	3.18	0.09	-3.19	
22263.00	86.610	149.080	7723.17	14404.93	-11810.40	8247.60	1717740.33	396024.90	39°34'58.7987"N	80°30'5.3014"W	14405.15	145.072	3.17	0.19	3.17	
22359.00	86.770	147.480	7728.72	14500.65	-11891.92	8297.99	1717790.71	395943.38	39°34'57.9986"N	80°30'4.6463"W	14500.84	145.093	1.67	0.17	-1.67	
22454.00	86.150	148.950	7734.58	14595.35	-11972.51	8347.93	1717840.65	395862.79	39°34'57.2076"N	80°30'3.9970"W	14595.52	145.114	1.68	-0.65	1.55	
22549.00	86.180	149.750	7740.94	14689.91	-12054.06	8396.25	1717888.97	395781.25	39°34'56.4071"N	80°30'3.3682"W	14690.05	145.141	0.84	0.03	0.84	
22644.00	84.640	147.900	7748.54	14784.43	-12135.07	8445.27	1717937.98	395700.24	39°34'55.6118"N	80°30'2.7308"W	14784.54	145.164	2.53	-1.62	-1.95	
22739.00	86.520	149.640	7755.86	14878.97	-12216.06	8494.37	1717987.08	395619.26	39°34'54.8169"N	80°30'2.0921"W	14879.06	145.187	2.69	1.98	1.83	
22835.00	87.170	146.930	7761.15	14974.69	-12297.59	8544.76	1718037.46	395537.73	39°34'54.0167"N	80°30'1.4371"W	14974.77	145.207	2.90	0.68	-2.82	
22929.00	83.990	145.870	7768.39	15068.38	-12375.65	8596.61	1718089.32	395459.68	39°34'53.2510"N	80°30'0.7637"W	15068.46	145.215	3.56	-3.38	-1.13	
23025.00	84.270	148.630	7778.21	15163.82	-12455.95	8648.27	1718140.97	395379.38	39°34'52.4630"N	80°30'0.0926"W	15163.88	145.227	2.87	0.29	2.87	
23120.00	85.010	147.190	7787.09	15258.31	-12536.08	8698.52	1718191.21	395299.25	39°34'51.6767"N	80°29'59.4395"W	15258.36	145.244	1.70	0.78	-1.52	
23215.00	85.470	149.000	7794.97	15352.87	-12616.45	8748.55	1718241.24	395218.89	39°34'50.8879"N	80°29'58.7892"W	15352.91	145.262	1.96	0.48	1.91	
23310.00	85.280	148.530	7802.63	15447.40	-12697.42	8797.65	1718290.34	395137.93	39°34'50.0932"N	80°29'58.1506"W	15447.43	145.283	0.53	-0.20	-0.49	
23405.00	86.090	149.120	7809.78	15541.96	-12778.47	8846.69	1718339.38	395056.89	39°34'49.2976"N	80°29'57.5128"W	15541.98	145.305	1.05	0.85	0.62	
23500.00	85.380	147.440	7816.84	15636.57	-12859.05	8896.49	1718389.18	394976.31	39°34'48.5067"N	80°29'56.8653"W	15636.58	145.323	1.92	-0.75	-1.77	
23595.00	86.550	148.610	7823.53	15731.23	-12939.43	8946.67	1718439.36	394895.93	39°34'47.7178"N	80°29'56.2131"W	15731.24	145.339	1.74	1.23	1.23	
23690.00	84.540	147.870	7830.91	15825.82	-13019.96	8996.52	1718489.20	394815.41	39°34'46.9275"N	80°29'55.5650"W	15825.83	145.356	2.25	-2.12	-0.78	
23785.00	85.380	149.250	7839.25	15920.31	-13100.70	9045.88	1718538.56	394734.68	39°34'46.1350"N	80°29'54.9232"W	15920.31	145.375	1.70	0.88	1.45	
23880.00	85.260	149.340	7847.00	16014.77	-13182.11	9094.23	1718586.90	394653.27	39°34'45.3358"N	80°29'54.2943"W	16014.77	145.399	0.16	-0.13	0.09	
23976.00	84.760	149.730	7855.35	16110.16	-13264.54	9142.72	1718635.39	394570.84	39°34'44.5265"N	80°29'53.6634"W	16110.16	145.423	0.66	-0.52	0.41	
24071.00	84.580	147.620	7864.18	16204.59	-13345.33	9191.89	1718684.56	394490.05	39°34'43.7334"N	80°29'53.0239"W	16204.59	145.442	2.22	-0.19	-2.22	
24166.00	84.760	148.250	7873.00	16299.08	-13425.49	9242.11	1718734.77	394409.90	39°34'42.9467"N	80°29'52.3713"W	16299.09	145.456	0.69	0.19	0.66	
24261.00	84.700	149.520	7881.73	16393.50	-13506.48	9290.99	1718783.65	394328.92	39°34'42.1517"N	80°29'51.7355"W	16393.52	145.476	1.33	-0.06	1.34	
24356.00	85.780	149.290	7889.61	16487.94	-13587.97	9339.17	1718831.83	394247.43	39°34'41.3517"N	80°29'51.1087"W	16487.97	145.499	1.16	1.14	-0.24	

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Michael Kuhn 10H AWP Proj: 25650'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Michael Kuhn 10H (L-003943)
Field	Wetzel	API/Legal	
Facility	Big 467 Pad	Wellbore	Michael Kuhn 10H AWB
Slot	Slot 10H		

WELLPATH DATA (284 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	85.660	149.780	7896.70	16582.43	-13669.63	9387.21	1718879.86	394165.78	39°34'40.5500"N	80°29'50.4837"W	16582.47	145.522	0.53	-0.13	0.52
24546.00	86.030	148.430	7903.59	16676.98	-13750.93	9435.86	1718928.51	394084.48	39°34'39.7518"N	80°29'49.8509"W	16677.03	145.542	1.47	0.39	-1.42
24641.00	87.540	148.120	7908.91	16771.70	-13831.61	9485.73	1718978.38	394003.81	39°34'38.9600"N	80°29'49.2026"W	16771.77	145.558	1.62	1.59	-0.33
24736.00	87.230	143.530	7913.25	16866.58	-13910.10	9539.02	1719031.67	393925.32	39°34'38.1901"N	80°29'48.5109"W	16866.65	145.559	4.84	-0.33	-4.83
24830.00	89.230	141.950	7916.16	16960.42	-13984.87	9595.90	1719088.55	393850.55	39°34'37.4574"N	80°29'47.7739"W	16960.48	145.544	2.71	2.13	-1.68
24925.00	88.800	135.360	7917.79	17054.70	-14056.14	9658.62	1719151.25	393779.29	39°34'36.7599"N	80°29'46.9630"W	17054.74	145.505	6.95	-0.45	-6.94
25021.00	88.830	132.660	7919.78	17148.78	-14122.82	9727.64	1719220.27	393712.61	39°34'36.1085"N	80°29'46.0721"W	17148.79	145.441	2.81	0.03	-2.81
25115.00	86.800	136.060	7923.36	17240.96	-14188.48	9794.78	1719287.42	393646.96	39°34'35.4670"N	80°29'45.2054"W	17240.96	145.381	4.21	-2.16	3.62
25210.00	87.910	141.480	7927.75	17335.19	-14259.82	9857.31	1719349.93	393575.62	39°34'34.7688"N	80°29'44.3969"W	17335.20	145.345	5.82	1.17	5.71
25305.00	86.060	144.990	7932.75	17429.97	-14335.81	9914.08	1719406.70	393499.64	39°34'34.0241"N	80°29'43.6612"W	17429.98	145.334	4.17	-1.95	3.69
25400.00	85.260	146.360	7939.94	17524.70	-14414.03	9967.49	1719460.11	393421.42	39°34'33.2569"N	80°29'42.9680"W	17524.71	145.336	1.67	-0.84	1.44
25496.00	85.320	149.040	7947.82	17620.29	-14494.90	10018.61	1719511.23	393340.56	39°34'32.4633"N	80°29'42.3038"W	17620.29	145.348	2.78	0.06	2.79
25591.00	90.310	154.050	7951.44	17714.61	-14578.31	10063.81	1719556.42	393257.15	39°34'31.6439"N	80°29'41.7148"W	17714.61	145.382	7.44	5.25	5.27
25650.00‡	90.310	154.050	7951.12	17772.94	-14631.36	10089.63	1719582.24	393204.10	39°34'31.1225"N	80°29'41.3776"W	17772.94	145.410	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: Michael Kuhn 10H AWB Ref Wellpath: Michael Kuhn 10H AWP Proj: 25650'									
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	1385.00	1357.00	28.00	1385.00	0.00	0.00	0.02	1.60
13.375in Casing Surface	28.00	1355.00	1327.00	28.00	1355.00	0.00	0.00	-0.01	1.68
12.25in Open Hole	1385.00	2898.00	1513.00	1385.00	2892.98	0.02	1.60	87.92	75.28
9.625in Casing Intermediate	28.00	2868.00	2840.00	28.00	2863.08	0.00	0.00	85.86	73.93
8.75in Open Hole	2898.00	7182.00	4284.00	2892.98	7097.19	87.92	75.28	713.08	600.45
8.5in Open Hole	7182.00	25650.00	18468.00	7097.19	7951.12	713.08	600.45	-14631.36	10089.63
5.5in Casing Production	28.00	25620.00	25592.00	28.00	7951.29	0.00	0.00	-14604.39	10076.50

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Michael Kuhn 10H (L-003943)
Field	Wetzel	API/Legal	
Facility	Big 467 Pad	Wellbore	Michael Kuhn 10H AWB
Slot	Slot 10H		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Michael Kuhn 10H LP Rev-1	7754.00	226.47	1019.81	1710512.98	408061.03	39°36'56.9471"N	80°31'39.3668"W	point
Michael Kuhn 10H BHL Rev-1	7906.02	-14628.04	10096.55	1719589.16	393207.43	39°34'31.1561"N	80°29'41.2897"W	point
Michael Kuhn Hardline 1	9000.00	-651.70	-1836.61	1707656.74	407182.91	39°36'47.9440"N	80°32'15.7340"W	polygon
	2D Polygon: dimensions not calculated							
Michael Kuhn Hardline 2	9000.00	-11655.49	11254.29	1720746.83	396179.79	39°35'0.6591"N	80°29'26.9243"W	point
Michael Kuhn Hardline 3	9000.00	-14797.60	9814.36	1719306.99	393037.88	39°34'29.4495"N	80°29'44.8692"W	polygon
	2D Polygon: dimensions not calculated							
Michael Kuhn Hardline 4	9000.00	-15200.95	8889.91	1718382.59	392634.55	39°34'25.3618"N	80°29'56.6168"W	polygon
	2D Polygon: dimensions not calculated							
Michael Kuhn Hardline 5	9000.00	-16776.25	8669.85	1718162.55	391059.35	39°34'9.7696"N	80°29'59.2029"W	polygon
	2D Polygon: dimensions not calculated							
Michael Kuhn Hardline 6	9000.00	-18062.46	7553.74	1717046.50	389773.22	39°33'56.9355"N	80°30'13.2708"W	polygon
	2D Polygon: dimensions not calculated							

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Michael Kuhn 10H (L-003943)
Field	Wetzel	API/Legal	
Facility	Big 467 Pad	Wellbore	Michael Kuhn 10H AWB
Slot	Slot 10H		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Michael Kuhn L&A 1	9000.00	-1930.86	286.06	1709779.27	405903.83	39°36'35.5441"N	80°31'48.4260"W	polygon
	2D Polygon: dimensions not calculated							
Michael Kuhn L&A 2	9000.00	-14494.91	9728.76	1719221.39	393340.54	39°34'32.4314"N	80°29'46.0051"W	polygon
	2D Polygon: dimensions not calculated							
Michael Kuhn L&A 3	9000.00	-9013.14	8977.44	1718470.12	398821.98	39°35'26.5231"N	80°29'56.3778"W	polygon
	2D Polygon: dimensions not calculated							
Michael Kuhn L&A 4	9000.00	-8913.70	10213.71	1719706.31	398921.42	39°35'27.6415"N	80°29'40.6015"W	polygon
	2D Polygon: dimensions not calculated							
Michael Kuhn L&A 5	9000.00	-16387.86	8829.54	1718322.23	391447.72	39°34'13.6255"N	80°29'57.2191"W	polygon
	2D Polygon: dimensions not calculated							
Michael Kuhn Temp 2	9000.00	-16876.69	7005.84	1716498.64	390958.91	39°34'8.5934"N	80°30'20.4358"W	polygon
	2D Polygon: dimensions not calculated							
Michael Kuhn Temp 3	9000.00	-2337.66	4763.42	1714256.36	405497.05	39°36'32.0274"N	80°30'51.1642"W	polygon
	2D Polygon: dimensions not calculated							
Michael Kuhn Temp 4	9000.00	-4710.47	7433.31	1716926.08	403124.39	39°36'8.8745"N	80°30'16.7149"W	polygon
	2D Polygon: dimensions not calculated							

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Michael Kuhn 10H (L-003943)
Field	Wetzel	API/Legal	
Facility	Big 467 Pad	Wellbore	Michael Kuhn 10H AWB
Slot	Slot 10H		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Michael Kuhn Temp 5	9000.00	-8776.22	8999.03	1718491.71	399058.88	39°35'28.8669"N	80°29'56.1357"W	polygon
2D Polygon: dimensions not calculated								

WELLPATH COMPOSITION - Ref Wellbore: Michael Kuhn 10H AWB Ref Wellpath: Michael Kuhn 10H AWP Proj: 25650'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	1302.00	Gyrodata 2015 - CT+WIR+ALC	01_Gyro Data [CT+WIR+ALC] (115'-1302')	Michael Kuhn 10H AWB	1/21/2022
1302.00	7106.00	OWSG MWD rev2 - Standard	02_SDI MWD [OWSG MWD Rev.2-Standard] (1302') (1388'-7106')	Michael Kuhn 10H AWB	1/21/2022
7106.00	25650.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	03_ATK Curve [OWSG MWD Rev.2+IFR1+MS] <8.5"> (7106')(7155'-25591')	Michael Kuhn 10H AWB	1/24/2022

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Michael Kuhn 10H AWP Proj: 25650'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Michael Kuhn 10H (L-003943)
Field	Wetzel	API/Legal	
Facility	Big 467 Pad	Wellbore	Michael Kuhn 10H AWB
Slot	Slot 10H		

COMMENTS

Wellpath general comments

API: 47103034140000

BH Job #: 111204407

Rig: Patterson 294

Duration: 1/27/2022 - 1/30/2022

01_Gyro Data [CT+WIR+ALC] (115'-1302')

02_SDI MWD [OWSG MWD Rev.2-Standard] (1302') (1388'-7106')

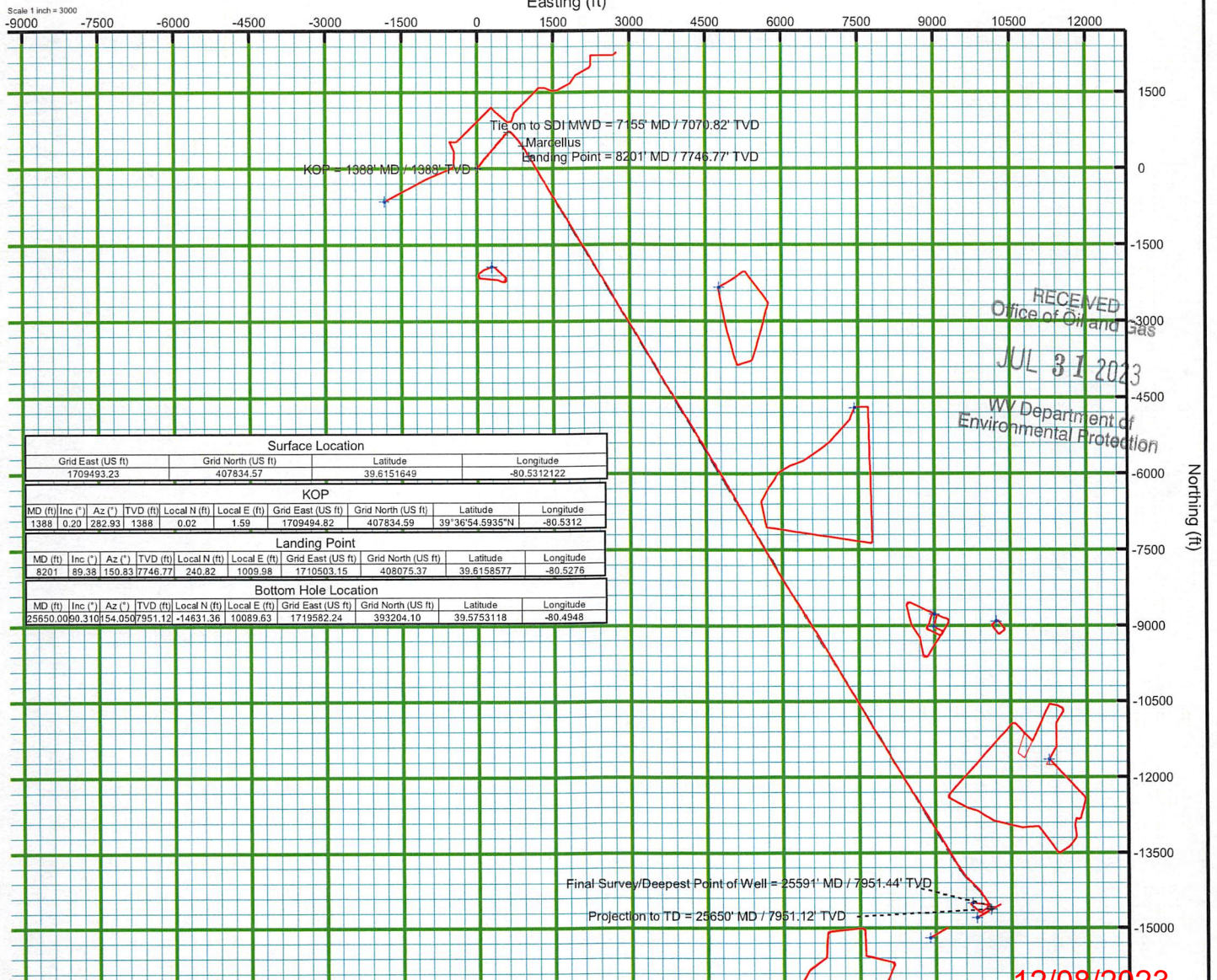
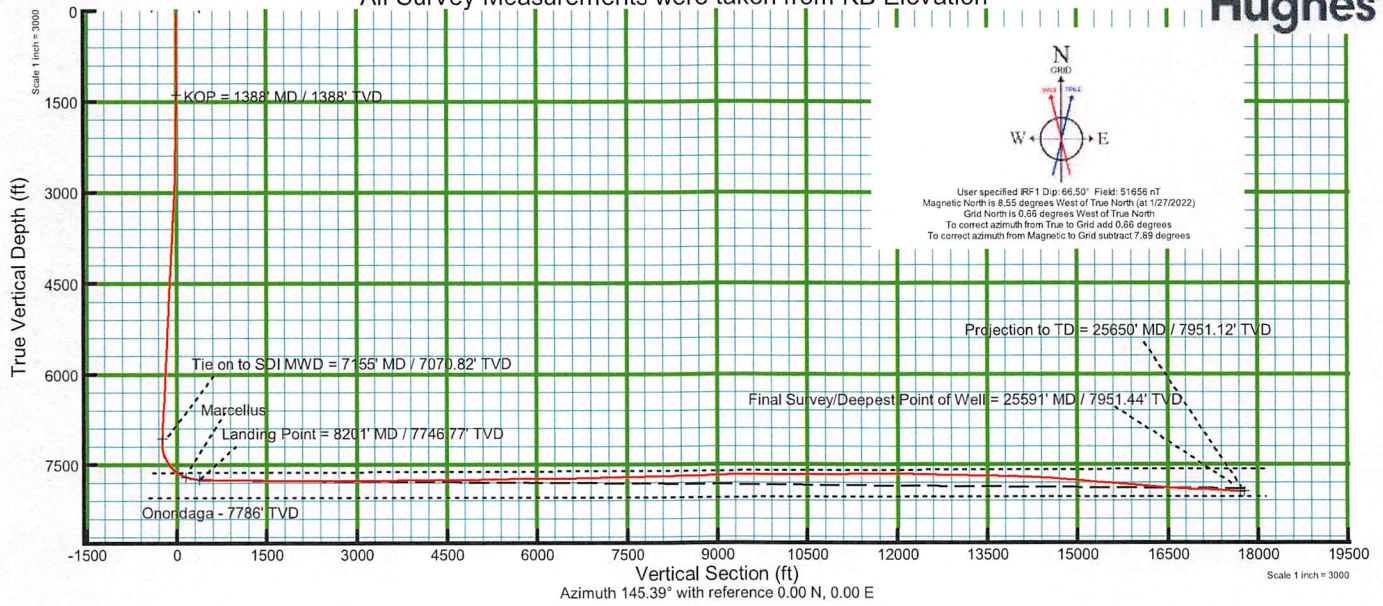
03_ATK Curve [OWSG MWD Rev.2+IFR1+MS] <8.5"> (7106')(7155'-25591')

Projected MD at TD: 25650'

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KB Elevation=1536 FT
 Ground Elevation=1508 FT
 All Survey Measurements were taken from KB Elevation



Surface Location									
Grid East (US ft)		Grid North (US ft)		Latitude		Longitude			
1709493.23		407834.57		39.6151649		-80.5312122			
KOP									
MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
1388	0.20	1282.93	1388	0.02	1.59	1709494.82	407834.59	39°36'54.5935"N	-80.5312
Landing Point									
MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
8201	89.38	150.83	7746.77	240.82	1009.98	1710503.15	408075.37	39.6158577	-80.5276
Bottom Hole Location									
MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
25590.00	60.310	154.050	7951.12	-14631.36	10089.63	1719582.24	393204.10	39.5753118	-80.4948