



Where energy meets innovation.

Actual Wellpath Report

OXF43 20H (516228) AWP Proj: 15157'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	OXF43 20H (516228)
Field	Doddridge	API	47-017-06739-00-00
Facility	OXF43 Pad	Wellbore	OXF43 20H (516228) AWB
Slot	Slot #20		

REPORT SETUP INFORMATION			
Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Hilpthop
Scale	0.999974	Report Generated	30/Aug/2020 at 16:08
Convergence at slot	0.82° 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	-9.43	41.93	1633421.76	241913.00	39°09'25.0269"N	80°47'33.8458"W
Facility Reference Pt			1633379.83	241922.43	39°09'25.1141"N	80°47'34.3798"W
Field Reference Pt			0.00	0.00	38°17'12.4599"N	86°28'23.0771"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Patterson 277 (RKB) to Facility Vertical Datum	1257.00ft
Horizontal Reference Pt	Slot	Patterson 277 (RKB) to Mean Sea Level	1257.00ft
Vertical Reference Pt	Patterson 277 (RKB)	Patterson 277 (RKB) to Ground Level at Slot (Slot #20)	28.00ft
MD Reference Pt	Patterson 277 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	356.16°



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Field	Doddridge	API	47-017-06739-00-00
Facility	OXF43 Pad	Wellbore	OXF43 20H (516228) AWB
Slot	Slot #20		

WELLPATH DATA (162 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	176.230	0.00	0.00	0.00	0.00	1633421.76	241913.00	39°09'25.0269"N	80°47'33.8458"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	176.230	28.00	0.00	0.00	0.00	1633421.76	241913.00	39°09'25.0269"N	80°47'33.8458"W	0.00	0.000	0.00	0.00	0.00
115.00	0.400	176.230	115.00	-0.30	-0.30	0.02	1633421.78	241912.70	39°09'25.0239"N	80°47'33.8455"W	0.30	176.230	0.46	0.46	0.00
215.00	0.780	196.300	214.99	-1.29	-1.30	-0.15	1633421.61	241911.70	39°09'25.0140"N	80°47'33.8475"W	1.31	186.477	0.43	0.38	20.07
315.00	1.070	205.480	314.98	-2.74	-2.80	-0.74	1633421.02	241910.20	39°09'24.9991"N	80°47'33.8547"W	2.90	194.816	0.32	0.29	9.18
415.00	1.320	209.820	414.96	-4.52	-4.64	-1.72	1633420.04	241908.36	39°09'24.9808"N	80°47'33.8668"W	4.95	200.276	0.27	0.25	4.34
515.00	1.360	215.870	514.93	-6.39	-6.60	-2.98	1633418.78	241906.40	39°09'24.9612"N	80°47'33.8825"W	7.25	204.311	0.15	0.04	6.05
615.00	1.420	218.570	614.90	-8.22	-8.53	-4.45	1633417.31	241904.47	39°09'24.9419"N	80°47'33.9008"W	9.63	207.545	0.09	0.06	2.70
715.00	1.460	218.720	714.87	-10.07	-10.50	-6.02	1633415.74	241902.50	39°09'24.9223"N	80°47'33.9203"W	12.10	209.837	0.04	0.04	0.15
815.00	1.490	218.770	814.84	-11.97	-12.50	-7.63	1633414.13	241900.50	39°09'24.9022"N	80°47'33.9404"W	14.65	211.396	0.03	0.03	0.05
915.00	1.510	217.470	914.80	-13.91	-14.56	-9.25	1633412.51	241898.44	39°09'24.8817"N	80°47'33.9606"W	17.25	212.413	0.04	0.02	-1.30
1015.00	1.500	215.280	1014.77	-15.92	-16.68	-10.80	1633410.96	241896.32	39°09'24.8605"N	80°47'33.9799"W	19.87	212.937	0.06	-0.01	-2.19
1115.00	1.520	214.780	1114.73	-17.97	-18.84	-12.32	1633409.44	241894.16	39°09'24.8390"N	80°47'33.9987"W	22.51	213.182	0.02	0.02	-0.50
1215.00	1.620	215.060	1214.70	-20.11	-21.08	-13.89	1633407.87	241891.92	39°09'24.8166"N	80°47'34.0182"W	25.24	213.371	0.10	0.10	0.28
1315.00	1.740	214.340	1314.65	-22.40	-23.49	-15.55	1633406.21	241889.51	39°09'24.7925"N	80°47'34.0390"W	28.18	213.508	0.12	0.12	-0.72
1415.00	1.940	210.210	1414.60	-24.99	-26.21	-17.26	1633404.50	241886.79	39°09'24.7654"N	80°47'34.0602"W	31.38	213.370	0.24	0.20	-4.13
1515.00	1.920	202.320	1514.55	-27.90	-29.22	-18.75	1633403.01	241883.78	39°09'24.7354"N	80°47'34.0785"W	34.72	212.686	0.27	-0.02	-7.89
1615.00	1.640	195.890	1614.50	-30.75	-32.15	-19.78	1633401.98	241880.85	39°09'24.7064"N	80°47'34.0910"W	37.74	211.601	0.34	-0.28	-6.43
1715.00	1.410	199.650	1714.46	-33.23	-34.68	-20.58	1633401.18	241878.32	39°09'24.6812"N	80°47'34.1008"W	40.33	210.689	0.25	-0.23	3.76
1815.00	1.390	201.390	1814.43	-35.45	-36.97	-21.44	1633400.32	241876.03	39°09'24.6585"N	80°47'34.1112"W	42.74	210.110	0.05	-0.02	1.74
1915.00	1.510	199.490	1914.40	-37.76	-39.34	-22.32	1633399.44	241873.66	39°09'24.6349"N	80°47'34.1220"W	45.23	209.569	0.13	0.12	-1.90
2015.00	1.680	197.450	2014.36	-40.33	-41.98	-23.20	1633398.56	241871.02	39°09'24.6087"N	80°47'34.1327"W	47.97	208.926	0.18	0.17	-2.04
2115.00	1.860	196.090	2114.31	-43.23	-44.94	-24.09	1633397.67	241868.06	39°09'24.5793"N	80°47'34.1434"W	50.99	208.194	0.18	0.18	-1.36
2215.00	1.750	197.050	2214.26	-46.18	-47.96	-24.99	1633396.77	241865.04	39°09'24.5494"N	80°47'34.1543"W	54.08	207.520	0.11	-0.11	0.96
2315.00	1.630	200.900	2314.22	-48.90	-50.75	-25.94	1633395.82	241862.25	39°09'24.5217"N	80°47'34.1659"W	56.99	207.077	0.17	-0.12	3.85
2415.00	1.620	201.170	2414.18	-51.47	-53.39	-26.96	1633394.80	241859.61	39°09'24.4954"N	80°47'34.1783"W	59.82	206.791	0.01	-0.01	0.27
2515.00	1.570	202.930	2514.14	-53.97	-55.97	-28.00	1633393.76	241857.03	39°09'24.4697"N	80°47'34.1911"W	62.59	206.579	0.07	-0.05	1.76
2615.00	1.450	202.980	2614.11	-56.33	-58.40	-29.03	1633392.73	241854.60	39°09'24.4456"N	80°47'34.2037"W	65.22	206.433	0.12	-0.12	0.05
2715.00	1.370	206.110	2714.08	-58.49	-60.64	-30.05	1633391.71	241852.36	39°09'24.4233"N	80°47'34.2162"W	67.68	206.363	0.11	-0.08	3.13
2815.00	1.350	207.740	2814.05	-60.53	-62.76	-31.13	1633390.63	241850.25	39°09'24.4023"N	80°47'34.2295"W	70.05	206.382	0.04	-0.02	1.63



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Field	Doddridge	API	47-017-06739-00-00
Facility	OXF43 Pad	Wellbore	OXF43 20H (516228) AWB
Slot	Slot #20		

WELLPATH DATA (162 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	1.350	209.900	2914.02	-62.51	-64.82	-32.26	1633389.50	241848.18	39°09'24.3817"N	80°47'34.2435"W	72.40	206.461	0.05	0.00	2.16
3015.00	1.350	209.350	3013.99	-64.48	-66.87	-33.43	1633388.33	241846.13	39°09'24.3613"N	80°47'34.2579"W	74.76	206.561	0.01	0.00	-0.55
3115.00	1.400	210.700	3113.96	-66.47	-68.94	-34.63	1633387.13	241844.06	39°09'24.3406"N	80°47'34.2728"W	77.15	206.669	0.06	0.05	1.35
3215.00	1.380	209.980	3213.93	-68.48	-71.04	-35.85	1633385.91	241841.96	39°09'24.3197"N	80°47'34.2880"W	79.57	206.781	0.03	-0.02	-0.72
3315.00	1.400	209.400	3313.90	-70.50	-73.15	-37.06	1633384.71	241839.86	39°09'24.2988"N	80°47'34.3028"W	82.00	206.867	0.02	0.02	-0.58
3415.00	1.330	209.740	3413.88	-72.49	-75.22	-38.23	1633383.53	241837.78	39°09'24.2781"N	80°47'34.3174"W	84.38	206.943	0.07	-0.07	0.34
3515.00	1.280	208.980	3513.85	-74.39	-77.20	-39.35	1633382.41	241835.80	39°09'24.2583"N	80°47'34.3312"W	86.65	207.006	0.05	-0.05	-0.76
3615.00	1.310	208.660	3613.83	-76.30	-79.18	-40.44	1633381.32	241833.82	39°09'24.2386"N	80°47'34.3446"W	88.91	207.053	0.03	0.03	-0.32
3715.00	1.320	209.420	3713.80	-78.22	-81.19	-41.55	1633380.21	241831.81	39°09'24.2186"N	80°47'34.3584"W	91.20	207.103	0.02	0.01	0.76
3815.00	1.310	213.360	3813.77	-80.10	-83.15	-42.75	1633379.02	241829.86	39°09'24.1991"N	80°47'34.3732"W	93.49	207.207	0.09	-0.01	3.94
3915.00	1.260	217.620	3913.75	-81.83	-84.97	-44.04	1633377.72	241828.03	39°09'24.1809"N	80°47'34.3894"W	95.71	207.400	0.11	-0.05	4.26
4015.00	0.990	239.360	4013.73	-83.05	-86.28	-45.46	1633376.30	241826.72	39°09'24.1677"N	80°47'34.4071"W	97.53	207.783	0.50	-0.27	21.74
4115.00	1.020	257.560	4113.71	-83.57	-86.92	-47.07	1633374.69	241826.09	39°09'24.1612"N	80°47'34.4275"W	98.84	208.439	0.32	0.03	18.20
4215.00	1.210	273.430	4213.69	-83.57	-87.04	-48.99	1633372.77	241825.96	39°09'24.1597"N	80°47'34.4518"W	99.89	209.374	0.36	0.19	15.87
4315.00	1.600	288.850	4313.66	-82.89	-86.53	-51.37	1633370.39	241826.47	39°09'24.1644"N	80°47'34.4821"W	100.63	210.696	0.54	0.39	15.42
4415.00	1.800	295.990	4413.62	-81.58	-85.39	-54.10	1633367.66	241827.61	39°09'24.1753"N	80°47'34.5170"W	101.09	212.358	0.29	0.20	7.14
4515.00	2.100	302.550	4513.56	-79.71	-83.72	-57.06	1633364.70	241829.29	39°09'24.1914"N	80°47'34.5548"W	101.31	214.277	0.37	0.30	6.56
4615.00	2.460	307.490	4613.48	-77.20	-81.42	-60.31	1633361.46	241831.58	39°09'24.2136"N	80°47'34.5964"W	101.33	216.525	0.41	0.36	4.94
4715.00	2.910	313.720	4713.37	-73.91	-78.36	-63.84	1633357.92	241834.64	39°09'24.2434"N	80°47'34.6419"W	101.08	219.170	0.54	0.45	6.23
4815.00	3.230	317.190	4813.23	-69.85	-74.54	-67.59	1633354.17	241838.46	39°09'24.2806"N	80°47'34.6902"W	100.63	222.201	0.37	0.32	3.47
4915.00	3.550	321.920	4913.06	-65.10	-70.04	-71.42	1633350.35	241842.96	39°09'24.3246"N	80°47'34.7396"W	100.03	225.558	0.42	0.32	4.73
5015.00	3.750	323.300	5012.85	-59.79	-64.98	-75.28	1633346.48	241848.02	39°09'24.3740"N	80°47'34.7895"W	99.45	229.200	0.22	0.20	1.38
5115.00	3.710	327.510	5112.64	-54.21	-59.63	-78.97	1633342.79	241853.37	39°09'24.4264"N	80°47'34.8374"W	98.96	232.945	0.28	-0.04	4.21
5215.00	4.320	328.320	5212.39	-48.04	-53.69	-82.69	1633339.07	241859.31	39°09'24.4845"N	80°47'34.8856"W	98.59	237.002	0.61	0.61	0.81
5315.00	4.440	328.890	5312.10	-41.27	-47.18	-86.67	1633335.10	241865.83	39°09'24.5483"N	80°47'34.9373"W	98.67	241.439	0.13	0.12	0.57
5321.00	4.480	328.930	5318.08	-40.85	-46.78	-86.91	1633334.85	241866.23	39°09'24.5523"N	80°47'34.9404"W	98.70	241.710	0.67	0.67	0.67
5373.00	3.750	329.520	5369.95	-37.53	-43.57	-88.82	1633332.94	241869.43	39°09'24.5837"N	80°47'34.9653"W	98.93	243.869	1.41	-1.40	1.13
5421.00	4.920	358.140	5417.82	-34.06	-40.16	-89.68	1633332.08	241872.84	39°09'24.6173"N	80°47'34.9768"W	98.26	245.877	5.05	2.44	59.62
5468.00	7.320	19.470	5464.55	-29.30	-35.32	-88.75	1633333.01	241877.68	39°09'24.6652"N	80°47'34.9659"W	95.52	248.297	6.95	5.11	45.38
5563.00	12.010	65.650	5558.31	-20.26	-25.52	-77.71	1633344.06	241887.48	39°09'24.7636"N	80°47'34.8275"W	81.79	251.818	9.16	4.94	48.61



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5658.00	22.060	65.760	5649.02	-10.55	-14.09	-52.37	1633369.39	241898.91	39°09'24.8802"N	80°47'34.5080"W	54.23	254.938	10.58	10.58	0.12
5754.00	30.500	64.570	5735.02	4.72	3.80	-13.86	1633407.90	241916.80	39°09'25.0625"N	80°47'34.0224"W	14.37	285.341	8.81	8.79	-1.24
5849.00	39.580	61.830	5812.73	26.11	28.50	34.70	1633456.46	241941.49	39°09'25.3135"N	80°47'33.4106"W	44.90	50.606	9.70	9.56	-2.88
5944.00	48.040	68.360	5881.25	49.43	55.87	94.35	1633516.11	241968.87	39°09'25.5925"N	80°47'32.6584"W	109.65	59.366	10.09	8.91	6.87
6040.00	56.560	68.750	5939.91	72.37	83.60	164.99	1633586.74	241996.60	39°09'25.8766"N	80°47'31.7669"W	184.96	63.128	8.88	8.87	0.41
6136.00	64.830	73.050	5986.87	94.25	110.84	244.04	1633665.79	242023.84	39°09'26.1571"N	80°47'30.7684"W	268.03	65.572	9.46	8.61	4.48
6231.00	72.720	76.150	6021.24	111.92	134.28	329.35	1633751.10	242047.27	39°09'26.4008"N	80°47'29.6898"W	355.67	67.820	8.84	8.31	3.26
6326.00	72.430	75.070	6049.69	128.51	156.80	417.15	1633838.90	242069.80	39°09'26.6359"N	80°47'28.5795"W	445.64	69.399	1.13	-0.31	-1.14
6422.00	72.370	75.980	6078.72	145.40	179.67	505.75	1633927.49	242092.67	39°09'26.8745"N	80°47'27.4590"W	536.72	70.442	0.91	-0.06	0.95
6517.00	72.330	72.680	6107.53	163.96	204.12	592.90	1634014.64	242117.11	39°09'27.1285"N	80°47'26.3573"W	627.05	71.003	3.31	-0.04	-3.47
6612.00	72.140	70.540	6136.52	186.68	232.66	678.74	1634100.48	242145.65	39°09'27.4227"N	80°47'25.2728"W	717.51	71.079	2.15	-0.20	-2.25
6708.00	72.460	69.940	6165.71	211.77	263.58	764.81	1634186.55	242176.57	39°09'27.7405"N	80°47'24.1859"W	808.96	70.984	0.68	0.33	-0.62
6803.00	72.590	68.970	6194.24	237.81	295.38	849.66	1634271.40	242208.37	39°09'28.0668"N	80°47'23.1147"W	899.54	70.830	0.98	0.14	-1.02
6898.00	72.340	69.180	6222.86	264.43	327.73	934.27	1634356.01	242240.72	39°09'28.3986"N	80°47'22.0466"W	990.09	70.670	0.34	-0.26	0.22
6993.00	72.500	71.720	6251.56	288.95	358.03	1019.61	1634441.34	242271.02	39°09'28.7101"N	80°47'20.9689"W	1080.64	70.651	2.55	0.17	2.67
7089.00	72.460	72.010	6280.46	311.55	386.53	1106.61	1634528.34	242299.52	39°09'29.0041"N	80°47'19.8698"W	1172.17	70.746	0.29	-0.04	0.30
7184.00	72.400	71.110	6309.14	334.38	415.17	1192.52	1634614.25	242328.16	39°09'29.2994"N	80°47'18.7844"W	1262.73	70.805	0.91	-0.06	-0.95
7279.00	72.430	70.340	6337.84	358.48	445.07	1278.01	1634699.73	242358.06	39°09'29.6069"N	80°47'17.7048"W	1353.29	70.799	0.77	0.03	-0.81
7375.00	72.430	69.650	6366.82	383.96	476.38	1364.01	1634785.73	242389.36	39°09'29.9286"N	80°47'16.6188"W	1444.80	70.748	0.69	0.00	-0.72
7470.00	72.530	69.890	6395.42	409.52	507.70	1449.01	1634870.73	242420.69	39°09'30.2502"N	80°47'15.5455"W	1535.38	70.691	0.26	0.11	0.25
7565.00	72.440	70.150	6424.01	434.71	538.66	1534.15	1634955.87	242451.64	39°09'30.5682"N	80°47'14.4704"W	1625.97	70.653	0.28	-0.09	0.27
7661.00	72.430	71.090	6452.98	459.23	569.03	1620.49	1635042.20	242482.01	39°09'30.8806"N	80°47'13.3800"W	1717.49	70.651	0.93	-0.01	0.98
7756.00	72.460	72.390	6481.63	481.78	597.41	1706.50	1635128.21	242510.39	39°09'31.1732"N	80°47'12.2934"W	1808.05	70.706	1.31	0.03	1.37
7851.00	72.360	71.670	6510.34	503.89	625.35	1792.64	1635214.35	242538.33	39°09'31.4615"N	80°47'11.2050"W	1898.59	70.769	0.73	-0.11	-0.76
7946.00	72.360	63.080	6539.18	533.01	660.14	1876.12	1635297.82	242573.12	39°09'31.8171"N	80°47'10.1518"W	1988.87	70.615	8.62	0.00	-9.04
8042.00	72.950	54.620	6567.85	575.02	707.50	1954.45	1635376.15	242620.48	39°09'32.2963"N	80°47'9.1660"W	2078.56	70.100	8.43	0.61	-8.81
8137.00	74.360	43.250	6594.66	630.08	767.29	2023.03	1635444.73	242680.27	39°09'32.8969"N	80°47'8.3064"W	2163.65	69.229	11.58	1.48	-11.97
8232.00	76.080	32.270	6618.97	698.68	839.80	2079.15	1635500.85	242752.78	39°09'33.6215"N	80°47'7.6072"W	2242.35	68.005	11.32	1.81	-11.56
8327.00	77.970	22.880	6640.34	777.60	921.77	2121.92	1635543.62	242834.75	39°09'34.4376"N	80°47'7.0791"W	2313.48	66.520	9.83	1.99	-9.88
8422.00	79.820	13.000	6658.68	864.05	1010.35	2150.57	1635572.27	242923.32	39°09'35.3171"N	80°47'6.7315"W	2376.08	64.836	10.39	1.95	-10.40



Where energy meets innovation.

Actual Wellpath Report

OXF43 20H (516228) AWP Proj: 15157'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	OXF43 20H (516228)
Field	Doddridge	API	47-017-06739-00-00
Facility	OXF43 Pad	Wellbore	OXF43 20H (516228) AWB
Slot	Slot #20		

WELLPATH DATA (162 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]
8518.00	81.940	3.470	6673.93	956.63	1104.04	2164.11	1635585.81	243017.01	39°09'36.2449"N	80°47'6.5767"W	2429.46	62.971	10.05	2.21	-9.93
8613.00	85.010	355.650	6684.74	1050.76	1198.33	2163.36	1635585.06	243111.30	39°09'37.1767"N	80°47'6.6033"W	2473.08	61.017	8.79	3.23	-8.23
8708.00	86.400	344.750	6691.88	1144.84	1291.54	2147.26	1635568.96	243204.50	39°09'38.0956"N	80°47'6.8247"W	2505.75	58.974	11.53	1.46	-11.47
8804.00	91.350	335.560	6693.77	1236.97	1381.69	2114.71	1635536.41	243294.66	39°09'38.9820"N	80°47'7.2542"W	2526.08	56.841	10.87	5.16	-9.57
8899.00	89.820	332.890	6692.80	1325.08	1467.23	2073.41	1635495.11	243380.19	39°09'39.8215"N	80°47'7.7940"W	2540.04	54.715	3.24	-1.61	-2.81
8994.00	88.520	332.240	6694.17	1412.12	1551.53	2029.64	1635451.35	243464.49	39°09'40.6485"N	80°47'8.3649"W	2554.74	52.604	1.53	-1.37	-0.68
9090.00	89.080	334.960	6696.18	1500.75	1637.49	1986.97	1635408.68	243550.45	39°09'41.4920"N	80°47'8.9222"W	2574.77	50.508	2.89	0.58	2.83
9185.00	88.460	334.940	6698.22	1589.29	1723.54	1946.76	1635368.46	243636.49	39°09'42.3367"N	80°47'9.4483"W	2600.09	48.480	0.65	-0.65	-0.02
9280.00	88.400	335.040	6700.83	1677.85	1809.60	1906.61	1635328.32	243722.55	39°09'43.1815"N	80°47'9.9736"W	2628.65	46.495	0.12	-0.06	0.11
9375.00	87.910	335.250	6703.89	1766.48	1895.75	1866.70	1635288.41	243808.70	39°09'44.0273"N	80°47'10.4959"W	2660.53	44.558	0.56	-0.52	0.22
9470.00	88.710	334.430	6706.69	1854.94	1981.70	1826.33	1635248.04	243894.64	39°09'44.8710"N	80°47'11.0240"W	2694.92	42.664	1.21	0.84	-0.86
9566.00	88.000	334.310	6709.44	1944.04	2068.22	1784.82	1635206.53	243981.16	39°09'45.7202"N	80°47'11.5666"W	2731.87	40.793	0.75	-0.74	-0.13
9661.00	89.200	334.820	6711.76	2032.35	2153.98	1744.03	1635165.74	244066.92	39°09'46.5620"N	80°47'12.1000"W	2771.51	38.996	1.37	1.26	0.54
9756.00	90.490	334.670	6712.02	2120.79	2239.90	1703.50	1635125.21	244152.84	39°09'47.4054"N	80°47'12.6301"W	2814.08	37.254	1.37	1.36	-0.16
9851.00	91.720	334.480	6710.19	2209.11	2325.68	1662.72	1635084.44	244238.62	39°09'48.2474"N	80°47'13.1634"W	2858.92	35.563	1.31	1.29	-0.20
9946.00	91.420	334.760	6707.59	2297.44	2411.48	1622.02	1635043.74	244324.41	39°09'49.0896"N	80°47'13.6957"W	2906.23	33.926	0.43	-0.32	0.29
10042.00	91.260	335.020	6705.34	2386.88	2498.38	1581.29	1635003.01	244411.31	39°09'49.9427"N	80°47'14.2285"W	2956.76	32.331	0.32	-0.17	0.27
10137.00	91.170	336.360	6703.33	2475.85	2584.94	1542.19	1634963.91	244497.87	39°09'50.7926"N	80°47'14.7406"W	3010.03	30.821	1.41	-0.09	1.41
10232.00	91.020	336.260	6701.51	2565.19	2671.92	1504.03	1634925.75	244584.84	39°09'51.6468"N	80°47'15.2409"W	3066.15	29.375	0.19	-0.16	-0.11
10328.00	91.140	335.610	6699.70	2655.26	2759.56	1464.89	1634886.61	244672.48	39°09'52.5074"N	80°47'15.7537"W	3124.27	27.961	0.69	0.13	-0.68
10423.00	92.060	335.710	6697.05	2744.21	2846.08	1425.75	1634847.47	244759.00	39°09'53.3569"N	80°47'16.2663"W	3183.23	26.609	0.97	0.97	0.11
10518.00	90.310	335.690	6695.08	2833.19	2932.64	1386.67	1634808.39	244845.56	39°09'54.2068"N	80°47'16.7782"W	3243.95	25.307	1.84	-1.84	-0.02
10614.00	90.310	335.040	6694.57	2922.94	3019.90	1346.65	1634768.38	244932.82	39°09'55.0636"N	80°47'17.3021"W	3306.55	24.033	0.68	0.00	-0.68
10709.00	90.460	334.700	6693.93	3011.45	3105.91	1306.31	1634728.03	245018.82	39°09'55.9078"N	80°47'17.8299"W	3369.44	22.811	0.39	0.16	-0.36
10804.00	92.740	335.770	6691.27	3100.14	3192.13	1266.53	1634688.26	245105.04	39°09'56.7543"N	80°47'18.3505"W	3434.21	21.642	2.65	2.40	1.13
10900.00	91.820	337.350	6687.46	3190.50	3280.13	1228.38	1634650.10	245193.04	39°09'57.6187"N	80°47'18.8509"W	3502.60	20.530	1.90	-0.96	1.65
10995.00	91.850	337.470	6684.41	3280.42	3367.80	1191.90	1634613.63	245280.71	39°09'58.4799"N	80°47'19.3299"W	3572.49	19.489	0.13	0.03	0.13
11090.00	90.980	338.100	6682.07	3370.54	3455.72	1156.00	1634577.73	245368.62	39°09'59.3437"N	80°47'19.8018"W	3643.95	18.496	1.13	-0.92	0.66
11185.00	90.740	337.710	6680.64	3460.75	3543.73	1120.27	1634542.00	245456.63	39°10'0.2085"N	80°47'20.2714"W	3716.59	17.543	0.48	-0.25	-0.41
11281.00	88.830	336.070	6681.00	3551.37	3632.02	1082.59	1634504.32	245544.92	39°10'1.0757"N	80°47'20.7658"W	3789.93	16.598	2.62	-1.99	-1.71



Where energy meets innovation.

Actual Wellpath Report

OXF43 20H (516228) AWP Proj: 15157'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	OXF43 20H (516228)
Field	Doddridge	API	47-017-06739-00-00
Facility	OXF43 Pad	Wellbore	OXF43 20H (516228) AWB
Slot	Slot #20		

WELLPATH DATA (162 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]
11376.00	90.340	336.930	6681.69	3640.82	3719.14	1044.71	1634466.44	245632.03	39°10'1.9313"N	80°47'21.2625"W	3863.08	15.690	1.83	1.59	0.91
11471.00	90.250	337.320	6681.20	3730.63	3806.66	1007.79	1634429.52	245719.56	39°10'2.7911"N	80°47'21.7473"W	3937.81	14.828	0.42	-0.09	0.41
11567.00	90.620	338.000	6680.47	3821.66	3895.46	971.30	1634393.03	245808.35	39°10'3.6634"N	80°47'22.2267"W	4014.72	14.001	0.81	0.39	0.71
11662.00	91.450	337.940	6678.76	3911.90	3983.50	935.67	1634357.40	245896.39	39°10'4.5285"N	80°47'22.6950"W	4091.92	13.218	0.88	0.87	-0.06
11757.00	91.080	338.150	6676.66	4002.17	4071.59	900.16	1634321.89	245984.48	39°10'5.3941"N	80°47'23.1619"W	4169.91	12.467	0.45	-0.39	0.22
11853.00	91.320	337.690	6674.65	4093.32	4160.53	864.08	1634285.82	246073.42	39°10'6.2679"N	80°47'23.6361"W	4249.31	11.733	0.54	0.25	-0.48
11948.00	94.370	335.670	6669.93	4182.76	4247.65	826.53	1634248.27	246160.53	39°10'7.1236"N	80°47'24.1288"W	4327.32	11.011	3.85	3.21	-2.13
12044.00	90.740	334.840	6665.65	4272.34	4334.73	786.39	1634208.13	246247.61	39°10'7.9785"N	80°47'24.6542"W	4405.49	10.283	3.88	-3.78	-0.86
12139.00	91.660	335.050	6663.66	4360.88	4420.77	746.17	1634167.91	246333.65	39°10'8.8231"N	80°47'25.1805"W	4483.30	9.580	0.99	0.97	0.22
12234.00	91.600	333.600	6660.96	4449.02	4506.36	705.03	1634126.77	246419.23	39°10'9.6631"N	80°47'25.7185"W	4561.18	8.892	1.53	-0.06	-1.53
12330.00	90.550	334.080	6659.16	4537.82	4592.51	662.71	1634084.45	246505.38	39°10'10.5085"N	80°47'26.2714"W	4640.08	8.211	1.20	-1.09	0.50
12425.00	92.000	335.460	6657.05	4626.24	4678.42	622.23	1634043.97	246591.29	39°10'11.3518"N	80°47'26.8010"W	4719.62	7.576	2.11	1.53	1.45
12520.00	90.430	336.640	6655.03	4715.43	4765.22	583.68	1634005.42	246678.08	39°10'12.2041"N	80°47'27.3063"W	4800.83	6.983	2.07	-1.65	1.24
12616.00	89.880	334.600	6654.77	4805.32	4852.65	544.05	1633965.79	246765.51	39°10'13.0626"N	80°47'27.8253"W	4883.05	6.397	2.20	-0.57	-2.12
12711.00	90.770	335.480	6654.23	4893.94	4938.77	503.96	1633925.71	246851.64	39°10'13.9081"N	80°47'28.3500"W	4964.42	5.826	1.32	0.94	0.93
12806.00	89.260	336.620	6654.21	4983.14	5025.59	465.40	1633887.15	246938.45	39°10'14.7606"N	80°47'28.8554"W	5047.09	5.291	1.99	-1.59	1.20
12902.00	89.200	335.460	6655.50	5073.27	5113.31	426.42	1633848.17	247026.17	39°10'15.6220"N	80°47'29.3663"W	5131.06	4.767	1.21	-0.06	-1.21
12997.00	89.600	332.250	6656.49	5161.15	5198.57	384.57	1633806.31	247111.43	39°10'16.4587"N	80°47'29.9132"W	5212.78	4.231	3.40	0.42	-3.38
13093.00	88.550	333.750	6658.04	5249.40	5284.09	340.99	1633762.74	247196.95	39°10'17.2977"N	80°47'30.4821"W	5295.09	3.692	1.91	-1.09	1.56
13188.00	87.970	335.060	6660.93	5337.59	5369.73	299.97	1633721.72	247282.58	39°10'18.1382"N	80°47'31.0185"W	5378.10	3.197	1.51	-0.61	1.38
13283.00	88.590	336.490	6663.78	5426.59	5456.32	261.01	1633682.76	247369.17	39°10'18.9885"N	80°47'31.5290"W	5462.56	2.739	1.64	0.65	1.51
13378.00	88.890	337.730	6665.87	5516.37	5543.82	224.07	1633645.82	247456.66	39°10'19.8479"N	80°47'32.0140"W	5548.35	2.314	1.34	0.32	1.31
13473.00	88.710	337.580	6667.86	5606.44	5631.67	187.96	1633609.71	247544.51	39°10'20.7110"N	80°47'32.4885"W	5634.80	1.912	0.25	-0.19	-0.16
13568.00	89.200	337.190	6669.59	5696.37	5719.35	151.43	1633573.19	247632.19	39°10'21.5723"N	80°47'32.9682"W	5721.35	1.517	0.66	0.52	-0.41
13664.00	88.490	336.950	6671.53	5787.07	5807.74	114.04	1633535.79	247720.58	39°10'22.4406"N	80°47'33.4591"W	5808.86	1.125	0.78	-0.74	-0.25
13759.00	88.860	337.470	6673.72	5876.89	5895.30	77.25	1633499.01	247808.14	39°10'23.3007"N	80°47'33.9422"W	5895.81	0.751	0.67	0.39	0.55
13854.00	88.740	338.140	6675.71	5967.04	5983.24	41.37	1633463.13	247896.08	39°10'24.1647"N	80°47'34.4138"W	5983.39	0.396	0.72	-0.13	0.71
13950.00	88.890	337.210	6677.70	6058.07	6072.03	4.91	1633426.67	247984.86	39°10'25.0370"N	80°47'34.8929"W	6072.03	0.046	0.98	0.16	-0.97
14045.00	88.800	337.620	6679.61	6148.01	6159.72	-31.57	1633390.19	248072.55	39°10'25.8985"N	80°47'35.3721"W	6159.80	359.706	0.44	-0.09	0.43
14141.00	89.260	338.200	6681.24	6239.17	6248.66	-67.66	1633354.10	248161.49	39°10'26.7724"N	80°47'35.8466"W	6249.03	359.380	0.77	0.48	0.60



Where energy meets innovation.

Actual Wellpath Report

OXF43 20H (516228) AWP Proj: 15157'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	OXF43 20H (516228)
Field	Doddridge	API	47-017-06739-00-00
Facility	OXF43 Pad	Wellbore	OXF43 20H (516228) AWB
Slot	Slot #20		

WELLPATH DATA (162 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]
14236.00	88.890	336.670	6682.77	6329.12	6336.38	-104.11	1633317.65	248249.20	39°10'27.6340"N	80°47'36.3254"W	6337.23	359.059	1.66	-0.39	-1.61
14331.00	88.650	337.580	6684.81	6418.91	6423.88	-141.03	1633280.73	248336.70	39°10'28.4936"N	80°47'36.8102"W	6425.43	358.742	0.99	-0.25	0.96
14427.00	89.320	338.000	6686.51	6510.00	6512.75	-177.31	1633244.45	248425.56	39°10'29.3667"N	80°47'37.2871"W	6515.16	358.440	0.82	0.70	0.44
14522.00	90.030	337.770	6687.05	6600.21	6600.76	-213.08	1633208.69	248513.57	39°10'30.2314"N	80°47'37.7572"W	6604.19	358.151	0.79	0.75	-0.24
14618.00	87.780	335.940	6688.89	6690.78	6689.00	-250.80	1633170.97	248601.82	39°10'31.0981"N	80°47'38.2523"W	6693.70	357.853	3.02	-2.34	-1.91
14713.00	90.280	337.860	6690.49	6780.44	6776.36	-288.06	1633133.71	248689.17	39°10'31.9562"N	80°47'38.7414"W	6782.48	357.566	3.32	2.63	2.02
14808.00	89.480	337.650	6690.69	6870.58	6864.29	-324.02	1633097.74	248777.10	39°10'32.8201"N	80°47'39.2141"W	6871.94	357.297	0.87	-0.84	-0.22
14903.00	89.720	336.830	6691.36	6960.45	6951.89	-360.78	1633060.99	248864.70	39°10'33.6806"N	80°47'39.6967"W	6961.25	357.029	0.90	0.25	-0.86
14998.00	89.200	336.580	6692.25	7050.02	7039.14	-398.34	1633023.43	248951.95	39°10'34.5375"N	80°47'40.1897"W	7050.41	356.761	0.61	-0.55	-0.26
15093.00	90.250	336.630	6692.71	7139.54	7126.33	-436.06	1632985.71	249039.13	39°10'35.3938"N	80°47'40.6846"W	7139.66	356.498	1.11	1.11	0.05
15132.00	90.950	338.280	6692.30	7176.47	7162.35	-451.02	1632970.76	249075.15	39°10'35.7476"N	80°47'40.8810"W	7176.53	356.397	4.60	1.79	4.23
15157.00‡	90.950	338.280	6691.88	7200.26	7185.57	-460.27	1632961.51	249098.37	39°10'35.9758"N	80°47'41.0027"W	7200.29	356.335	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: OXF43 20H (516228) AWB Ref Wellpath: OXF43 20H (516228) AWP Proj: 15157'

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
20in Conductor	28.00	68.00	40.00	28.00	68.00	0.00	0.00	-0.06	0.00
17.5in Open Hole	68.00	570.00	502.00	68.00	569.92	-0.06	0.00	-7.66	-3.77
13.375in Casing Surface	28.00	570.00	542.00	28.00	569.92	0.00	0.00	-7.66	-3.77
12.25in Open Hole	570.00	5346.00	4776.00	569.92	5343.01	-7.66	-3.77	-45.17	-87.87
9.625in Casing Intermediate	28.00	5303.00	5275.00	28.00	5300.14	0.00	0.00	-47.97	-86.19
8.5in Open Hole	5346.00	15157.00	9811.00	5343.01	6691.88	-45.17	-87.87	7185.57	-460.27
5.5in Casing Production	28.00	15157.00	15129.00	28.00	6691.88	0.00	0.00	7185.57	-460.27



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Actual Wellpath Report

OXF43 20H (516228) AWP Proj: 15157'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	OXF43 20H (516228)
Field	Doddridge	API	47-017-06739-00-00
Facility	OXF43 Pad	Wellbore	OXF43 20H (516228) AWB
Slot	Slot #20		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
OXF43 20H (516228) BHL Rev-1	6605.29	7183.56	-481.67	1632940.10	249096.36	39°10'35.9529"N	80°47'41.2741"W	point
OXF43 20H (516228) LP Rev-1	6694.00	1379.52	2102.36	1635524.06	243292.48	39°09'38.9588"N	80°47'7.4106"W	point
OXF43 Pad Hardline #1 (8.10.20)	7000.00	3100.82	-7555.39	1625866.58	245013.73	39°09'54.5863"N	80°49'10.3262"W	polygon
	2D Polygon: dimensions not calculated							
OXF43 Pad Hardline #2 (8.10.20)	7000.00	3688.09	-1592.57	1631829.24	245600.98	39°10'1.2490"N	80°47'54.7374"W	polygon
	2D Polygon: dimensions not calculated							
OXF43 Pad Hardline #3 (8.10.20)	7000.00	-12153.89	5886.37	1639307.97	229759.45	39°07'25.7409"N	80°46'16.9449"W	polygon
	2D Polygon: dimensions not calculated							
OXF43 Pad Hardline #4 (8.10.20)	7000.00	-11988.30	1602.47	1635024.19	229925.04	39°07'26.7747"N	80°47'11.3260"W	polygon
	2D Polygon: dimensions not calculated							
OXF43 Pad Hardline #5 (8.10.20)	7000.00	-10317.18	985.53	1634407.26	231596.11	39°07'43.2029"N	80°47'19.4574"W	polygon
	2D Polygon: dimensions not calculated							
OXF43 Pad Hardline #6 (8.10.20)	7000.00	1569.88	-4920.30	1628501.60	243482.84	39°09'39.8374"N	80°48'36.5909"W	polygon
	2D Polygon: dimensions not calculated							



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Actual Wellpath Report

OXF43 20H (516228) AWP Proj: 15157'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	OXF43 20H (516228)
Field	Doddridge	API	47-017-06739-00-00
Facility	OXF43 Pad	Wellbore	OXF43 20H (516228) AWB
Slot	Slot #20		

WELLPATH COMPOSITION - Ref Wellbore: OXF43 20H (516228) AWB Ref Wellpath: OXF43 20H (516228) AWP Proj: 15157'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	5321.00	Gyrodatta 2015 - GC+WIR+DPIPE	01_Gyrodatta MS Gyro <12-1/4">(115'-5321')	OXF43 20H (516228) AWB	28/Jul/2020
5321.00	15157.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	02_BH AT Curve + MagVAR MSA <8-1/2">(5321')(5373'-15132')	OXF43 20H (516228) AWB	23/Aug/2020



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Actual Wellpath Report

OXF43 20H (516228) AWP Proj: 15157'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	OXF43 20H (516228)
Field	Doddridge	API	47-017-06739-00-00
Facility	OXF43 Pad	Wellbore	OXF43 20H (516228) AWB
Slot	Slot #20		

COMMENTS

Wellpath general comments

API: 47-017-06739-0000

BH Job #: 110493426

Rig: Patterson 277

Duration: 8/26/20 - 8/29/20

Gyrodata MS Gyro <12-1/4">(115'-5321')

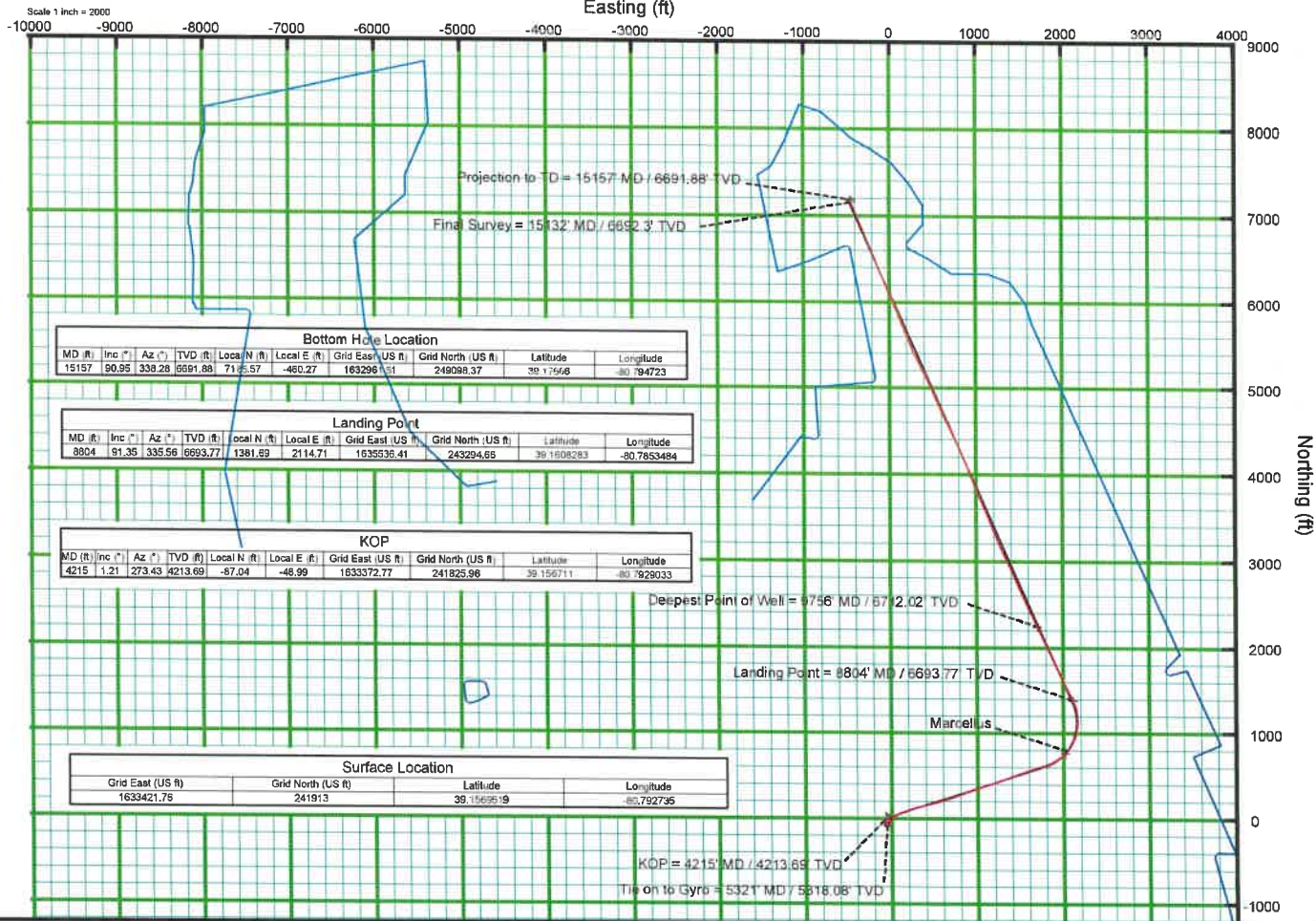
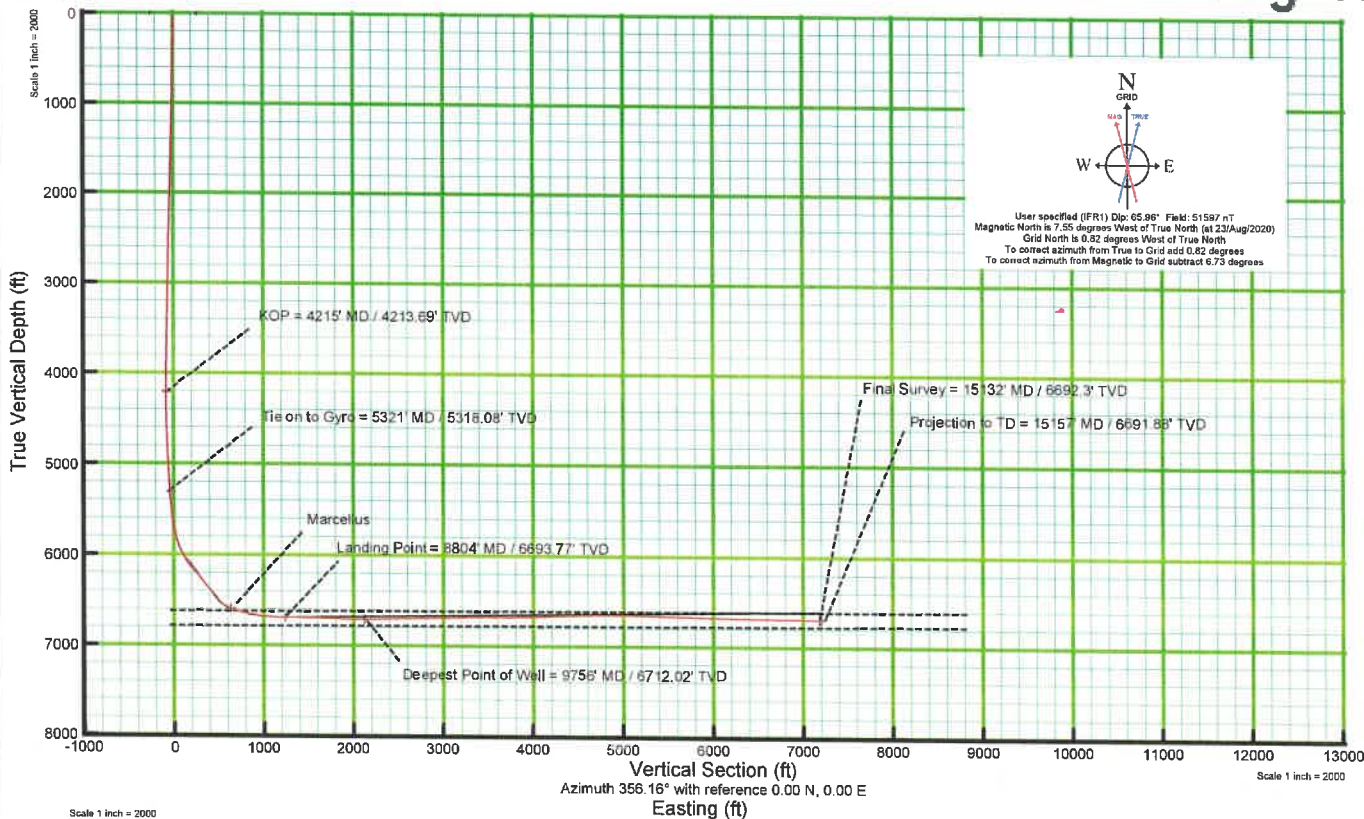
BH AT Curve + MagVAR MSA <8-1/2">(5321')(5373'-15132')

Projected MD at TD: 15157'



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KB Elevation=1257 FT
 Ground Elevation=1229 FT
 All Survey Measurements were taken from KB Elevation



12/24/2021