



Where energy meets innovation.

# Actual Wellpath Report

OXF43 21H (516229) AWP Proj: 20161'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	OXF43 21H (516229)
Field	Doddridge	API	47-017-06740-0000
Facility	OXF43 Pad	Wellbore	OXF43 21H (516229) AWB
Slot	Slot #21		

## 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	07/Sep/2020 at 09:31
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	0.59	30.77	1633410.60	241923.02	39°09'25.1244"N	80°47'33.9893"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 #21)	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	160.87°



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Field	Doddridge	API	47-017-06740-0000
Facility	OXF43 Pad	Wellbore	OXF43 21H (516229) AWB
Slot	Slot #21		

## WELLPATH DATA (232 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	95.700	0.00	0.00	0.00	0.00	1633410.60	241923.02	39°09'25.1244"N	80°47'33.9893"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	95.700	28.00	0.00	0.00	0.00	1633410.60	241923.02	39°09'25.1244"N	80°47'33.9893"W	0.00	0.000	0.00	0.00	0.00
115.00	0.100	95.700	115.00	0.03	-0.01	0.08	1633410.68	241923.01	39°09'25.1243"N	80°47'33.9884"W	0.08	95.700	0.11	0.11	0.00
215.00	0.180	80.960	215.00	0.10	0.01	0.32	1633410.92	241923.03	39°09'25.1245"N	80°47'33.9853"W	0.32	88.471	0.09	0.08	-14.74
315.00	0.090	121.180	315.00	0.18	-0.01	0.54	1633411.14	241923.01	39°09'25.1244"N	80°47'33.9825"W	0.54	90.797	0.13	-0.09	40.22
415.00	0.060	208.570	415.00	0.28	-0.09	0.58	1633411.18	241922.93	39°09'25.1235"N	80°47'33.9819"W	0.59	99.190	0.11	-0.03	87.39
515.00	0.040	74.590	515.00	0.32	-0.13	0.59	1633411.19	241922.89	39°09'25.1231"N	80°47'33.9818"W	0.60	102.494	0.09	-0.02	-133.98
615.00	0.130	306.080	615.00	0.23	-0.05	0.53	1633411.13	241922.97	39°09'25.1239"N	80°47'33.9826"W	0.54	95.873	0.16	0.09	-128.51
715.00	0.140	307.050	715.00	0.03	0.09	0.34	1633410.94	241923.11	39°09'25.1252"N	80°47'33.9850"W	0.35	75.995	0.01	0.01	0.97
815.00	0.150	319.940	815.00	-0.19	0.26	0.16	1633410.76	241923.28	39°09'25.1269"N	80°47'33.9873"W	0.31	31.920	0.03	0.01	12.89
915.00	0.250	321.870	915.00	-0.52	0.53	-0.06	1633410.54	241923.55	39°09'25.1296"N	80°47'33.9902"W	0.53	353.840	0.10	0.10	1.93
1015.00	0.160	315.370	1015.00	-0.85	0.80	-0.29	1633410.31	241923.82	39°09'25.1322"N	80°47'33.9932"W	0.85	340.117	0.09	-0.09	-6.50
1115.00	0.230	316.370	1115.00	-1.16	1.05	-0.53	1633410.07	241924.07	39°09'25.1346"N	80°47'33.9962"W	1.17	333.291	0.07	0.07	1.00
1215.00	0.490	313.270	1214.99	-1.72	1.49	-0.98	1633409.62	241924.51	39°09'25.1389"N	80°47'34.0020"W	1.78	326.675	0.26	0.26	-3.10
1315.00	0.510	314.490	1314.99	-2.50	2.09	-1.61	1633408.99	241925.11	39°09'25.1448"N	80°47'34.0101"W	2.64	322.474	0.02	0.02	1.22
1415.00	0.500	331.300	1414.99	-3.33	2.78	-2.13	1633408.47	241925.80	39°09'25.1516"N	80°47'34.0169"W	3.51	322.558	0.15	-0.01	16.81
1515.00	0.610	0.280	1514.98	-4.26	3.70	-2.34	1633408.26	241926.72	39°09'25.1606"N	80°47'34.0197"W	4.38	327.696	0.30	0.11	28.98
1615.00	0.620	8.390	1614.98	-5.24	4.77	-2.26	1633408.34	241927.79	39°09'25.1711"N	80°47'34.0189"W	5.28	334.658	0.09	0.01	8.11
1715.00	0.660	26.500	1714.97	-6.13	5.82	-1.92	1633408.68	241928.84	39°09'25.1816"N	80°47'34.0148"W	6.13	341.720	0.21	0.04	18.11
1815.00	0.430	61.240	1814.97	-6.59	6.51	-1.34	1633409.26	241929.53	39°09'25.1885"N	80°47'34.0075"W	6.65	348.410	0.39	-0.23	34.74
1915.00	0.340	101.120	1914.96	-6.51	6.64	-0.72	1633409.88	241929.66	39°09'25.1898"N	80°47'33.9996"W	6.68	353.844	0.28	-0.09	39.88
2015.00	0.280	94.290	2014.96	-6.26	6.56	-0.18	1633410.42	241929.58	39°09'25.1892"N	80°47'33.9928"W	6.56	358.420	0.07	-0.06	-6.83
2115.00	0.200	112.340	2114.96	-6.05	6.48	0.22	1633410.82	241929.50	39°09'25.1884"N	80°47'33.9877"W	6.48	1.981	0.11	-0.08	18.05
2215.00	0.080	102.440	2214.96	-5.89	6.40	0.45	1633411.05	241929.42	39°09'25.1876"N	80°47'33.9847"W	6.41	4.057	0.12	-0.12	-9.90
2315.00	0.040	4.700	2314.96	-5.89	6.42	0.52	1633411.12	241929.44	39°09'25.1878"N	80°47'33.9838"W	6.44	4.675	0.09	-0.04	-97.74
2415.00	0.050	152.780	2414.96	-5.88	6.41	0.55	1633411.15	241929.43	39°09'25.1878"N	80°47'33.9835"W	6.43	4.881	0.09	0.01	148.08
2515.00	0.180	299.230	2514.96	-5.95	6.45	0.43	1633411.03	241929.47	39°09'25.1882"N	80°47'33.9850"W	6.46	3.818	0.22	0.13	146.45
2615.00	0.310	310.590	2614.96	-6.30	6.70	0.09	1633410.69	241929.72	39°09'25.1906"N	80°47'33.9894"W	6.70	0.751	0.14	0.13	11.36
2715.00	0.410	314.570	2714.96	-6.86	7.13	-0.37	1633410.23	241930.15	39°09'25.1948"N	80°47'33.9954"W	7.14	357.010	0.10	0.10	3.98
2815.00	0.490	319.640	2814.96	-7.58	7.71	-0.90	1633409.70	241930.73	39°09'25.2004"N	80°47'34.0022"W	7.76	353.308	0.09	0.08	5.07



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Field	Doddridge	API	47-017-06740-0000
Facility	OXF43 Pad	Wellbore	OXF43 21H (516229) AWB
Slot	Slot #21		

WELLPATH DATA (232 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	0.550	314.550	2914.95	-8.41	8.37	-1.52	1633409.08	241931.39	39°09'25.2068"N	80°47'34.0102"W	8.51	349.685	0.08	0.06	-5.09
3015.00	0.560	315.550	3014.95	-9.28	9.05	-2.21	1633408.39	241932.07	39°09'25.2135"N	80°47'34.0190"W	9.32	346.299	0.01	0.01	1.00
3115.00	0.560	321.030	3114.94	-10.18	9.78	-2.86	1633407.74	241932.80	39°09'25.2206"N	80°47'34.0274"W	10.19	343.720	0.05	0.00	5.48
3215.00	0.580	321.900	3214.94	-11.12	10.56	-3.48	1633407.12	241933.58	39°09'25.2282"N	80°47'34.0354"W	11.12	341.779	0.02	0.02	0.87
3315.00	0.600	323.140	3314.93	-12.09	11.38	-4.10	1633406.50	241934.40	39°09'25.2362"N	80°47'34.0435"W	12.10	340.171	0.02	0.02	1.24
3415.00	0.560	331.050	3414.93	-13.08	12.23	-4.65	1633405.95	241935.24	39°09'25.2445"N	80°47'34.0506"W	13.08	339.160	0.09	-0.04	7.91
3515.00	0.530	327.100	3514.92	-14.01	13.04	-5.14	1633405.46	241936.06	39°09'25.2525"N	80°47'34.0570"W	14.02	338.483	0.05	-0.03	-3.95
3615.00	0.470	330.880	3614.92	-14.86	13.79	-5.59	1633405.01	241936.81	39°09'25.2598"N	80°47'34.0628"W	14.88	337.923	0.07	-0.06	3.78
3715.00	0.510	327.690	3714.91	-15.70	14.52	-6.03	1633404.57	241937.54	39°09'25.2670"N	80°47'34.0685"W	15.72	337.451	0.05	0.04	-3.19
3815.00	0.580	331.920	3814.91	-16.63	15.34	-6.51	1633404.09	241938.36	39°09'25.2751"N	80°47'34.0747"W	16.67	337.024	0.08	0.07	4.23
3915.00	0.740	327.090	3914.90	-17.76	16.33	-7.09	1633403.51	241939.35	39°09'25.2848"N	80°47'34.0824"W	17.81	336.521	0.17	0.16	-4.83
3960.00	0.990	329.100	3959.90	-18.42	16.91	-7.45	1633403.15	241939.93	39°09'25.2904"N	80°47'34.0870"W	18.48	336.218	0.56	0.56	4.47
3994.00	0.950	309.320	3993.89	-18.95	17.34	-7.82	1633402.78	241940.36	39°09'25.2946"N	80°47'34.0918"W	19.02	335.724	0.99	-0.12	-58.18
4037.00	1.420	260.930	4036.89	-19.34	17.48	-8.62	1633401.98	241940.50	39°09'25.2959"N	80°47'34.1020"W	19.49	333.747	2.47	1.09	-112.53
4081.00	2.770	241.510	4080.86	-19.27	16.89	-10.10	1633400.50	241939.91	39°09'25.2898"N	80°47'34.1206"W	19.68	329.132	3.42	3.07	-44.14
4125.00	4.580	235.590	4124.76	-18.63	15.39	-12.48	1633398.12	241938.41	39°09'25.2747"N	80°47'34.1506"W	19.81	320.961	4.20	4.11	-13.45
4169.00	6.650	234.520	4168.55	-17.45	12.92	-16.00	1633394.60	241935.94	39°09'25.2498"N	80°47'34.1948"W	20.57	308.910	4.71	4.70	-2.43
4212.00	8.870	230.860	4211.15	-15.61	9.38	-20.60	1633390.00	241932.40	39°09'25.2141"N	80°47'34.2526"W	22.64	294.479	5.29	5.16	-8.51
4256.00	10.890	226.570	4254.50	-12.74	4.38	-26.25	1633384.35	241927.40	39°09'25.1639"N	80°47'34.3234"W	26.62	279.475	4.88	4.59	-9.75
4299.00	12.870	225.780	4296.58	-9.04	-1.75	-32.64	1633377.96	241921.27	39°09'25.1024"N	80°47'34.4033"W	32.68	266.928	4.62	4.60	-1.84
4343.00	14.170	223.770	4339.36	-4.51	-9.06	-39.87	1633370.73	241913.96	39°09'25.0292"N	80°47'34.4938"W	40.89	257.201	3.14	2.95	-4.57
4387.00	14.930	222.910	4381.94	0.60	-17.10	-47.46	1633363.14	241905.92	39°09'24.9486"N	80°47'34.5886"W	50.45	250.186	1.80	1.73	-1.95
4430.00	15.840	222.810	4423.40	5.96	-25.46	-55.22	1633355.38	241897.56	39°09'24.8649"N	80°47'34.6856"W	60.81	245.245	2.12	2.12	-0.23
4474.00	17.010	223.810	4465.61	11.71	-34.51	-63.75	1633346.85	241888.51	39°09'24.7742"N	80°47'34.7923"W	72.50	241.573	2.74	2.66	2.27
4518.00	17.680	225.220	4507.61	17.53	-43.86	-72.95	1633337.65	241879.16	39°09'24.6805"N	80°47'34.9073"W	85.12	238.984	1.80	1.52	3.20
4562.00	17.960	226.290	4549.50	23.25	-53.26	-82.60	1633328.00	241869.77	39°09'24.5863"N	80°47'35.0280"W	98.28	237.188	0.98	0.64	2.43
4605.00	18.500	226.780	4590.34	28.79	-62.51	-92.36	1633318.24	241860.51	39°09'24.4934"N	80°47'35.1503"W	111.53	235.911	1.31	1.26	1.14
4649.00	19.190	227.200	4631.98	34.54	-72.20	-102.76	1633307.85	241850.82	39°09'24.3962"N	80°47'35.2804"W	125.59	234.906	1.60	1.57	0.95
4693.00	19.390	228.040	4673.51	40.28	-82.00	-113.49	1633297.11	241841.02	39°09'24.2978"N	80°47'35.4149"W	140.02	234.152	0.78	0.45	1.91
4737.00	19.380	226.910	4715.01	46.08	-91.87	-124.26	1633286.35	241831.15	39°09'24.1987"N	80°47'35.5498"W	154.53	233.522	0.85	-0.02	-2.57



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Field	Doddridge	API	47-017-06740-0000
Facility	OXF43 Pad	Wellbore	OXF43 21H (516229) AWB
Slot	Slot #21		

## WELLPATH DATA (232 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]
4780.00	19.380	225.330	4755.58	52.05	-101.76	-134.54	1633276.06	241821.26	39°09'24.0995"N	80°47'35.6785"W	168.69	232.898	1.22	0.00	-3.67
4824.00	20.310	224.710	4796.96	58.56	-112.32	-145.10	1633265.50	241810.70	39°09'23.9937"N	80°47'35.8106"W	183.50	232.258	2.17	2.11	-1.41
4868.00	21.180	222.290	4838.11	65.73	-123.63	-155.83	1633254.78	241799.40	39°09'23.8804"N	80°47'35.9447"W	198.91	231.573	2.78	1.98	-5.50
4912.01	22.170	221.640	4879.01	73.59	-135.71	-166.69	1633243.91	241787.31	39°09'23.7594"N	80°47'36.0804"W	214.95	230.849	2.31	2.25	-1.48
4956.01	23.730	220.630	4919.53	82.11	-148.64	-177.97	1633232.63	241774.39	39°09'23.6301"N	80°47'36.2212"W	231.88	230.133	3.66	3.55	-2.30
4999.01	25.780	218.950	4958.57	91.41	-162.48	-189.49	1633221.12	241760.55	39°09'23.4916"N	80°47'36.3649"W	249.61	229.388	5.04	4.77	-3.91
5043.01	28.020	218.110	4997.81	102.06	-178.05	-201.88	1633208.72	241744.97	39°09'23.3359"N	80°47'36.5193"W	269.18	228.589	5.16	5.09	-1.91
5085.01	30.290	218.510	5034.49	113.07	-194.11	-214.57	1633196.04	241728.92	39°09'23.1755"N	80°47'36.6774"W	289.34	227.866	5.42	5.40	0.95
5129.01	32.510	217.570	5072.04	125.50	-212.16	-228.69	1633181.92	241710.86	39°09'22.9950"N	80°47'36.8534"W	311.95	227.147	5.17	5.05	-2.14
5173.01	34.350	217.200	5108.76	138.88	-231.42	-243.40	1633167.20	241691.60	39°09'22.8026"N	80°47'37.0366"W	335.86	226.445	4.21	4.18	-0.84
5217.01	36.090	217.580	5144.70	152.87	-251.58	-258.81	1633151.79	241671.44	39°09'22.6012"N	80°47'37.2285"W	360.94	225.812	3.99	3.95	0.86
5260.01	37.250	218.640	5179.19	166.77	-271.79	-274.67	1633135.94	241651.24	39°09'22.3992"N	80°47'37.4260"W	386.40	225.302	3.07	2.70	2.47
5304.01	39.110	220.550	5213.78	180.88	-292.73	-292.00	1633118.60	241630.29	39°09'22.1897"N	80°47'37.6423"W	413.47	224.928	5.01	4.23	4.34
5346.01	40.810	221.300	5245.97	194.34	-313.11	-309.68	1633100.93	241609.92	39°09'21.9858"N	80°47'37.8629"W	440.38	224.684	4.21	4.05	1.79
5390.01	41.010	221.180	5279.22	208.58	-334.78	-328.67	1633081.94	241588.25	39°09'21.7690"N	80°47'38.1000"W	469.15	224.472	0.49	0.45	-0.27
5409.01	41.020	221.230	5293.56	214.75	-344.16	-336.88	1633073.72	241578.87	39°09'21.6751"N	80°47'38.2026"W	481.60	224.388	0.18	0.05	0.26
5466.00	40.820	221.370	5336.62	233.18	-372.20	-361.52	1633049.09	241550.83	39°09'21.3944"N	80°47'38.5102"W	518.88	224.166	0.39	-0.35	0.25
5563.00	41.130	214.610	5409.89	267.67	-422.28	-400.61	1633010.00	241500.75	39°09'20.8940"N	80°47'38.9972"W	582.08	223.492	4.58	0.32	-6.97
5658.00	41.130	214.310	5481.45	304.76	-473.80	-435.97	1632974.64	241449.23	39°09'20.3798"N	80°47'39.4366"W	643.86	222.619	0.21	0.00	-0.32
5754.00	41.160	214.560	5553.74	342.28	-525.90	-471.69	1632938.92	241397.14	39°09'19.8598"N	80°47'39.8804"W	706.44	221.890	0.17	0.03	0.26
5849.00	41.120	214.450	5625.29	379.34	-577.40	-507.10	1632903.52	241345.63	39°09'19.3458"N	80°47'40.3204"W	768.47	221.291	0.09	-0.04	-0.12
5945.00	41.070	214.270	5697.64	416.88	-629.49	-542.71	1632867.91	241293.54	39°09'18.8259"N	80°47'40.7629"W	831.14	220.766	0.13	-0.05	-0.19
6040.00	41.200	214.310	5769.19	454.12	-681.13	-577.92	1632832.70	241241.91	39°09'18.3106"N	80°47'41.2004"W	893.26	220.314	0.14	0.14	0.04
6136.00	41.410	214.590	5841.30	491.74	-733.38	-613.76	1632796.85	241189.66	39°09'17.7891"N	80°47'41.6458"W	956.32	219.926	0.29	0.22	0.29
6231.00	41.310	214.690	5912.61	528.84	-785.03	-649.45	1632761.17	241138.02	39°09'17.2735"N	80°47'42.0893"W	1018.85	219.601	0.13	-0.11	0.11
6326.00	41.450	214.650	5983.89	565.93	-836.68	-685.17	1632725.45	241086.37	39°09'16.7580"N	80°47'42.5332"W	1081.43	219.315	0.15	0.15	-0.04
6422.00	41.370	214.420	6055.89	603.56	-888.98	-721.17	1632689.45	241034.06	39°09'16.2359"N	80°47'42.9806"W	1144.72	219.050	0.18	-0.08	-0.24
6517.00	41.460	213.660	6127.13	641.23	-941.06	-756.34	1632654.28	240981.99	39°09'15.7163"N	80°47'43.4176"W	1207.33	218.789	0.54	0.09	-0.80
6612.00	41.500	213.480	6198.31	679.36	-993.49	-791.14	1632619.48	240929.56	39°09'15.1931"N	80°47'43.8496"W	1270.01	218.531	0.13	0.04	-0.19
6708.00	43.940	204.850	6268.89	722.68	-1050.30	-822.71	1632587.91	240872.75	39°09'14.6272"N	80°47'44.2400"W	1334.16	218.072	6.60	2.54	-8.99



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# Actual Wellpath Report

OXF43 21H (516229) AWP Proj: 20161'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	OXF43 21H (516229)
Field	Doddridge	API	47-017-06740-0000
Facility	OXF43 Pad	Wellbore	OXF43 21H (516229) AWB
Slot	Slot #21		

## WELLPATH DATA (232 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]
6803.00	46.800	199.110	6335.65	773.63	-1112.96	-847.92	1632562.71	240810.09	39°09'14.0043"N	80°47'44.5484"W	1399.16	217.302	5.25	3.01	-6.04
6898.00	51.160	188.240	6398.09	833.81	-1182.45	-864.59	1632546.03	240740.60	39°09'13.3152"N	80°47'44.7473"W	1464.82	216.174	9.77	4.59	-11.44
6993.00	54.980	178.790	6455.25	903.81	-1258.09	-869.08	1632541.54	240664.96	39°09'12.5670"N	80°47'44.7904"W	1529.09	214.636	8.90	4.02	-9.95
7089.00	59.440	173.830	6507.25	981.57	-1338.56	-863.80	1632546.82	240584.49	39°09'11.7724"N	80°47'44.7087"W	1593.08	212.835	6.36	4.65	-5.17
7184.00	64.400	173.530	6551.95	1063.27	-1421.85	-854.57	1632556.05	240501.21	39°09'10.9507"N	80°47'44.5763"W	1658.90	211.007	5.23	5.22	-0.32
7279.00	68.550	174.280	6589.86	1148.11	-1508.44	-845.34	1632565.29	240414.62	39°09'10.0962"N	80°47'44.4432"W	1729.16	209.267	4.43	4.37	0.79
7375.00	73.370	173.330	6621.17	1236.53	-1598.63	-835.54	1632575.09	240324.44	39°09'9.2063"N	80°47'44.3023"W	1803.81	207.594	5.11	5.02	-0.99
7470.00	77.340	165.530	6645.22	1327.33	-1688.87	-818.64	1632591.98	240234.19	39°09'8.3168"N	80°47'44.0713"W	1876.82	205.861	8.97	4.18	-8.21
7565.00	82.160	158.720	6662.14	1420.71	-1777.75	-789.93	1632620.69	240145.32	39°09'7.4425"N	80°47'43.6907"W	1945.35	203.958	8.69	5.07	-7.17
7661.00	84.850	156.330	6673.00	1515.91	-1865.87	-753.47	1632657.15	240057.20	39°09'6.5768"N	80°47'43.2118"W	2012.26	201.990	3.74	2.80	-2.49
7756.00	89.290	156.360	6677.85	1610.47	-1952.76	-715.41	1632695.21	239970.32	39°09'5.7236"N	80°47'42.7128"W	2079.68	200.121	4.67	4.67	0.03
7851.00	89.260	155.760	6679.05	1705.13	-2039.58	-676.87	1632733.75	239883.50	39°09'4.8710"N	80°47'42.2077"W	2148.96	198.359	0.63	-0.03	-0.63
7946.00	89.110	156.230	6680.40	1799.77	-2126.35	-638.22	1632772.40	239796.73	39°09'4.0189"N	80°47'41.7014"W	2220.07	196.707	0.52	-0.16	0.49
8042.00	89.750	154.900	6681.36	1895.36	-2213.74	-598.51	1632812.10	239709.34	39°09'3.1609"N	80°47'41.1814"W	2293.23	195.129	1.54	0.67	-1.39
8137.00	88.150	153.830	6683.10	1989.72	-2299.38	-557.42	1632853.19	239623.71	39°09'2.3205"N	80°47'40.6442"W	2365.98	193.627	2.03	-1.68	-1.13
8232.00	88.400	156.790	6685.96	2084.22	-2385.64	-517.76	1632892.85	239537.44	39°09'1.4735"N	80°47'40.1251"W	2441.18	192.245	3.13	0.26	3.12
8327.00	89.480	156.980	6687.72	2178.98	-2473.00	-480.47	1632930.14	239450.09	39°09'0.6155"N	80°47'39.6358"W	2519.24	190.995	1.15	1.14	0.20
8423.00	88.340	155.060	6689.54	2274.61	-2560.69	-441.47	1632969.14	239362.40	39°08'59.7544"N	80°47'39.1247"W	2598.47	189.782	2.33	-1.19	-2.00
8518.00	91.230	153.660	6689.90	2368.98	-2646.32	-400.37	1633010.25	239276.77	39°08'58.9139"N	80°47'38.5874"W	2676.44	188.603	3.38	3.04	-1.47
8613.00	90.430	153.230	6688.52	2463.18	-2731.29	-357.90	1633052.71	239191.80	39°08'58.0803"N	80°47'38.0329"W	2754.64	187.465	0.96	-0.84	-0.45
8708.00	89.290	151.880	6688.76	2557.17	-2815.60	-314.12	1633096.49	239107.50	39°08'57.2533"N	80°47'37.4618"W	2833.07	186.366	1.86	-1.20	-1.42
8804.00	89.850	153.140	6689.48	2652.15	-2900.75	-269.81	1633140.80	239022.35	39°08'56.4180"N	80°47'36.8838"W	2913.27	185.314	1.44	0.58	1.31
8899.00	89.660	154.450	6689.88	2746.42	-2985.99	-227.86	1633182.75	238937.12	39°08'55.5816"N	80°47'36.3358"W	2994.67	184.364	1.39	-0.20	1.38
8995.00	88.120	152.850	6691.74	2841.64	-3071.99	-185.26	1633225.35	238851.11	39°08'54.7377"N	80°47'35.7795"W	3077.57	183.451	2.31	-1.60	-1.67
9090.00	88.220	153.110	6694.78	2935.69	-3156.58	-142.12	1633268.48	238766.53	39°08'53.9079"N	80°47'35.2165"W	3159.78	182.578	0.29	0.11	0.27
9185.00	87.290	153.610	6698.50	3029.80	-3241.43	-99.56	1633311.04	238681.68	39°08'53.0754"N	80°47'34.6608"W	3242.96	181.759	1.11	-0.98	0.53
9280.00	89.570	155.110	6701.10	3124.14	-3327.03	-58.47	1633352.13	238596.08	39°08'52.2352"N	80°47'34.1237"W	3327.55	181.007	2.87	2.40	1.58
9376.00	87.880	155.220	6703.24	3219.64	-3414.13	-18.16	1633392.44	238508.99	39°08'51.3802"N	80°47'33.5962"W	3414.18	180.305	1.76	-1.76	0.11
9471.00	90.400	157.760	6704.66	3314.34	-3501.22	19.72	1633430.32	238421.90	39°08'50.5248"N	80°47'33.0995"W	3501.28	179.677	3.77	2.65	2.67
9566.00	89.080	155.670	6705.09	3409.08	-3588.47	57.28	1633467.87	238334.65	39°08'49.6679"N	80°47'32.6070"W	3588.93	179.086	2.60	-1.39	-2.20



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# Actual Wellpath Report

OXF43 21H (516229) AWP Proj: 20161'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	OXF43 21H (516229)
Field	Doddridge	API	47-017-06740-0000
Facility	OXF43 Pad	Wellbore	OXF43 21H (516229) AWB
Slot	Slot #21		

## WELLPATH DATA (232 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]
9661.00	89.450	155.140	6706.31	3503.64	-3674.85	96.81	1633507.41	238248.27	39°08'48.8199"N	80°47'32.0895"W	3676.12	178.491	0.68	0.39	-0.56
9756.00	89.480	155.130	6707.20	3598.16	-3761.04	136.75	1633547.35	238162.09	39°08'47.9737"N	80°47'31.5668"W	3763.52	177.918	0.03	0.03	-0.01
9851.00	90.220	156.880	6707.45	3692.81	-3847.82	175.39	1633585.98	238075.30	39°08'47.1215"N	80°47'31.0607"W	3851.82	177.390	2.00	0.78	1.84
9947.00	89.420	154.770	6707.75	3788.43	-3935.40	214.70	1633625.29	237987.73	39°08'46.2616"N	80°47'30.5458"W	3941.25	176.877	2.35	-0.83	-2.20
10042.00	90.580	155.240	6707.75	3882.94	-4021.50	254.84	1633665.43	237901.63	39°08'45.4164"N	80°47'30.0206"W	4029.57	176.374	1.32	1.22	0.49
10137.00	90.460	156.140	6706.89	3977.54	-4108.07	293.94	1633704.54	237815.06	39°08'44.5664"N	80°47'29.5085"W	4118.57	175.907	0.96	-0.13	0.95
10232.00	90.030	154.990	6706.48	4072.13	-4194.56	333.24	1633743.83	237728.58	39°08'43.7172"N	80°47'28.9940"W	4207.78	175.458	1.29	-0.45	-1.21
10328.00	88.800	151.000	6707.46	4167.20	-4280.07	376.82	1633787.41	237643.07	39°08'42.8783"N	80°47'28.4253"W	4296.63	174.969	4.35	-1.28	-4.16
10423.00	90.060	155.810	6708.41	4261.36	-4364.99	419.33	1633829.92	237558.15	39°08'42.0451"N	80°47'27.8703"W	4385.08	174.513	5.23	1.33	5.06
10518.00	90.000	155.020	6708.36	4355.93	-4451.37	458.86	1633869.44	237471.77	39°08'41.1969"N	80°47'27.3530"W	4474.96	174.115	0.83	-0.06	-0.83
10614.00	88.920	155.270	6709.26	4451.45	-4538.48	499.21	1633909.79	237384.67	39°08'40.3418"N	80°47'26.8250"W	4565.85	173.723	1.15	-1.13	0.26
10709.00	88.770	155.240	6711.18	4545.97	-4624.74	538.96	1633949.55	237298.41	39°08'39.4950"N	80°47'26.3047"W	4656.04	173.353	0.16	-0.16	-0.03
10804.00	87.380	155.380	6714.37	4640.47	-4711.00	578.62	1633989.21	237212.15	39°08'38.6481"N	80°47'25.7857"W	4746.40	172.998	1.47	-1.46	0.15
10900.00	87.510	154.990	6718.65	4735.90	-4798.05	618.87	1634029.45	237125.10	39°08'37.7935"N	80°47'25.2590"W	4837.80	172.650	0.43	0.14	-0.41
10995.00	86.180	155.510	6723.88	4830.30	-4884.19	658.58	1634069.16	237038.97	39°08'36.9478"N	80°47'24.7393"W	4928.39	172.321	1.50	-1.40	0.55
11090.00	86.000	155.330	6730.36	4924.65	-4970.38	698.01	1634108.59	236952.78	39°08'36.1016"N	80°47'24.2233"W	5019.15	172.006	0.27	-0.19	-0.19
11186.00	86.580	157.320	6736.57	5020.14	-5058.11	736.47	1634147.05	236865.05	39°08'35.2400"N	80°47'23.7191"W	5111.45	171.716	2.15	0.60	2.07
11281.00	87.320	154.850	6741.62	5114.67	-5144.83	774.93	1634185.51	236778.34	39°08'34.3885"N	80°47'23.2153"W	5202.86	171.434	2.71	0.78	-2.60
11376.00	87.910	153.300	6745.58	5208.92	-5230.19	816.42	1634227.00	236692.98	39°08'33.5507"N	80°47'22.6732"W	5293.53	171.128	1.74	0.62	-1.63
11472.00	90.000	154.100	6747.33	5304.14	-5316.23	858.95	1634269.52	236606.94	39°08'32.7064"N	80°47'22.1178"W	5385.18	170.822	2.33	2.18	0.83
11567.00	88.310	153.250	6748.73	5398.38	-5401.37	901.07	1634311.65	236521.80	39°08'31.8710"N	80°47'21.5678"W	5476.01	170.529	1.99	-1.78	-0.89
11662.00	89.750	155.670	6750.34	5492.76	-5487.06	942.02	1634352.59	236436.11	39°08'31.0299"N	80°47'21.0325"W	5567.34	170.258	2.96	1.52	2.55
11757.00	90.090	154.270	6750.47	5587.26	-5573.14	982.21	1634392.78	236350.04	39°08'30.1849"N	80°47'20.5068"W	5659.03	170.005	1.52	0.36	-1.47
11853.00	88.370	149.890	6751.76	5682.10	-5657.93	1027.14	1634437.72	236265.24	39°08'29.3532"N	80°47'19.9211"W	5750.41	169.711	4.90	-1.79	-4.56
11948.00	85.630	150.150	6756.73	5775.26	-5740.10	1074.55	1634485.12	236183.08	39°08'28.5479"N	80°47'19.3046"W	5839.81	169.397	2.90	-2.88	0.27
12044.00	87.910	155.440	6762.14	5870.12	-5825.31	1118.34	1634528.91	236097.87	39°08'27.7120"N	80°47'18.7333"W	5931.69	169.133	5.99	2.38	5.51
12139.00	90.520	155.410	6763.45	5964.67	-5911.69	1157.84	1634568.41	236011.49	39°08'26.8639"N	80°47'18.2163"W	6024.01	168.919	2.75	2.75	-0.03
12234.00	89.200	153.870	6763.68	6059.11	-5997.53	1198.53	1634609.10	235925.66	39°08'26.0213"N	80°47'17.6843"W	6116.12	168.699	2.14	-1.39	-1.62
12330.00	88.770	154.500	6765.38	6154.44	-6083.94	1240.33	1634650.89	235839.25	39°08'25.1733"N	80°47'17.1382"W	6209.08	168.477	0.79	-0.45	0.66
12425.00	89.320	153.590	6766.96	6248.75	-6169.34	1281.90	1634692.47	235753.85	39°08'24.3351"N	80°47'16.5951"W	6301.12	168.262	1.12	0.58	-0.96



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# Actual Wellpath Report

OXF43 21H (516229) AWP Proj: 20161'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	OXF43 21H (516229)
Field	Doddridge	API	47-017-06740-0000
Facility	OXF43 Pad	Wellbore	OXF43 21H (516229) AWB
Slot	Slot #21		

WELLPATH DATA (232 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]
12520.00	89.970	154.140	6767.55	6343.04	-6254.63	1323.75	1634734.31	235668.57	39°08'23.4982"N	80°47'16.0485"W	6393.17	168.050	0.90	0.68	0.58
12616.00	89.690	153.800	6767.84	6438.34	-6340.89	1365.87	1634776.44	235582.31	39°08'22.6516"N	80°47'15.4982"W	6486.33	167.844	0.46	-0.29	-0.35
12711.00	89.050	153.930	6768.88	6532.63	-6426.17	1407.72	1634818.28	235497.03	39°08'21.8147"N	80°47'14.9517"W	6578.55	167.644	0.69	-0.67	0.14
12806.00	88.860	153.360	6770.61	6626.86	-6511.28	1449.88	1634860.44	235411.92	39°08'20.9796"N	80°47'14.4011"W	6670.75	167.447	0.63	-0.20	-0.60
12902.00	89.020	152.800	6772.39	6721.95	-6596.86	1493.34	1634903.90	235326.34	39°08'20.1399"N	80°47'13.8341"W	6763.78	167.245	0.61	0.17	-0.58
12997.00	89.050	154.660	6773.99	6816.20	-6682.04	1535.38	1634945.94	235241.17	39°08'19.3041"N	80°47'13.2851"W	6856.16	167.059	1.96	0.03	1.96
13093.00	88.800	154.280	6775.79	6911.59	-6768.65	1576.75	1634987.30	235154.56	39°08'18.4540"N	80°47'12.7444"W	6949.87	166.887	0.47	-0.26	-0.40
13188.00	88.520	156.090	6778.01	7006.09	-6854.85	1616.60	1635027.16	235068.36	39°08'17.6077"N	80°47'12.2230"W	7042.89	166.730	1.93	-0.29	1.91
13283.00	89.320	155.660	6779.80	7100.71	-6941.53	1655.43	1635065.98	234981.68	39°08'16.7565"N	80°47'11.7146"W	7136.20	166.587	0.96	0.84	-0.45
13378.00	89.720	157.310	6780.60	7195.42	-7028.64	1693.33	1635103.88	234894.58	39°08'15.9010"N	80°47'11.2178"W	7229.74	166.455	1.79	0.42	1.74
13473.00	88.740	153.690	6781.87	7289.98	-7115.06	1732.71	1635143.26	234808.16	39°08'15.0525"N	80°47'10.7023"W	7323.00	166.313	3.95	-1.03	-3.81
13569.00	89.380	155.680	6783.45	7385.41	-7201.83	1773.75	1635184.30	234721.39	39°08'14.2008"N	80°47'10.1657"W	7417.04	166.164	2.18	0.67	2.07
13664.00	88.550	158.160	6785.17	7480.16	-7289.20	1810.99	1635221.54	234634.02	39°08'13.3425"N	80°47'9.6774"W	7510.80	166.047	2.75	-0.87	2.61
13759.00	88.460	154.590	6787.65	7574.82	-7376.20	1849.04	1635259.59	234547.03	39°08'12.4882"N	80°47'9.1787"W	7604.42	165.927	3.76	-0.09	-3.76
13855.00	88.550	157.070	6790.15	7670.40	-7463.74	1888.33	1635298.88	234459.49	39°08'11.6285"N	80°47'8.6642"W	7698.91	165.802	2.58	0.09	2.58
13950.00	88.680	155.280	6792.45	7765.05	-7550.62	1926.69	1635337.24	234372.61	39°08'10.7753"N	80°47'8.1617"W	7792.56	165.685	1.89	0.14	-1.88
14046.00	88.860	155.750	6794.51	7860.61	-7637.96	1966.47	1635377.01	234285.27	39°08'9.9177"N	80°47'7.6410"W	7887.05	165.562	0.52	0.19	0.49
14141.00	88.550	156.700	6796.65	7955.28	-7724.88	2004.76	1635415.30	234198.36	39°08'9.0642"N	80°47'7.1394"W	7980.78	165.452	1.05	-0.33	1.00
14236.00	88.710	157.240	6798.93	8050.03	-7812.28	2041.91	1635452.46	234110.96	39°08'8.2056"N	80°47'6.6521"W	8074.72	165.352	0.59	0.17	0.57
14332.00	88.370	153.250	6801.37	8145.52	-7899.41	2082.09	1635492.63	234023.83	39°08'7.3502"N	80°47'6.1264"W	8169.20	165.234	4.17	-0.35	-4.16
14427.00	87.820	152.560	6804.53	8239.55	-7983.94	2125.33	1635535.88	233939.30	39°08'6.5209"N	80°47'5.5623"W	8261.98	165.093	0.93	-0.58	-0.73
14522.00	88.830	155.360	6807.31	8333.81	-8069.25	2167.02	1635577.56	233853.99	39°08'5.6837"N	80°47'5.0179"W	8355.16	164.968	3.13	1.06	2.95
14618.00	89.020	156.030	6809.11	8429.40	-8156.73	2206.52	1635617.06	233766.52	39°08'4.8248"N	80°47'4.5008"W	8449.91	164.863	0.73	0.20	0.70
14713.00	88.800	154.900	6810.92	8523.96	-8243.13	2245.96	1635656.50	233680.12	39°08'3.9764"N	80°47'3.9846"W	8543.63	164.759	1.21	-0.23	-1.19
14808.00	88.830	155.950	6812.88	8618.51	-8329.51	2285.46	1635696.00	233593.75	39°08'3.1283"N	80°47'3.4677"W	8637.36	164.657	1.11	0.03	1.11
14903.00	89.050	155.990	6814.64	8713.14	-8416.26	2324.14	1635734.68	233507.00	39°08'2.2764"N	80°47'2.9612"W	8731.27	164.563	0.24	0.23	0.04
14998.00	88.800	154.110	6816.42	8807.63	-8502.37	2364.21	1635774.74	233420.88	39°08'1.4310"N	80°47'2.4372"W	8824.95	164.461	2.00	-0.26	-1.98
15093.00	88.890	153.480	6818.34	8901.89	-8587.59	2406.15	1635816.68	233335.67	39°08'0.5948"N	80°47'1.8895"W	8918.31	164.348	0.67	0.09	-0.66
15189.00	88.950	153.590	6820.15	8997.09	-8673.52	2448.92	1635859.45	233249.75	39°07'59.7516"N	80°47'1.3312"W	9012.61	164.233	0.13	0.06	0.11
15284.00	88.120	153.200	6822.57	9091.25	-8758.43	2491.45	1635901.98	233164.84	39°07'58.9184"N	80°47'0.7761"W	9105.90	164.121	0.97	-0.87	-0.41



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# Actual Wellpath Report

OXF43 21H (516229) AWP Proj: 20161'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	OXF43 21H (516229)
Field	Doddridge	API	47-017-06740-0000
Facility	OXF43 Pad	Wellbore	OXF43 21H (516229) AWB
Slot	Slot #21		

WELLPATH DATA (232 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]
15379.00	86.920	155.150	6826.69	9185.50	-8843.85	2532.80	1635943.33	233079.41	39°07'58.0800"N	80°47'0.2360"W	9199.39	164.019	2.41	-1.26	2.05
15474.00	87.380	155.060	6831.41	9279.91	-8929.92	2572.74	1635983.27	232993.35	39°07'57.2351"N	80°46'59.7136"W	9293.14	163.928	0.49	0.48	-0.09
15570.00	88.610	157.210	6834.77	9375.51	-9017.65	2611.55	1636022.08	232905.62	39°07'56.3735"N	80°46'59.2052"W	9388.20	163.849	2.58	1.28	2.24
15665.00	88.340	155.970	6837.30	9470.21	-9104.80	2649.28	1636059.81	232818.47	39°07'55.5175"N	80°46'58.7107"W	9482.41	163.776	1.34	-0.28	-1.31
15760.00	89.010	154.700	6839.49	9564.74	-9191.11	2688.91	1636099.44	232732.17	39°07'54.6702"N	80°46'58.1921"W	9576.36	163.693	1.51	0.71	-1.34
15855.00	89.140	155.420	6841.03	9659.24	-9277.24	2728.97	1636139.49	232646.04	39°07'53.8246"N	80°46'57.6683"W	9670.28	163.608	0.77	0.14	0.76
15951.00	88.520	154.210	6842.99	9754.68	-9364.09	2769.81	1636180.33	232559.19	39°07'52.9720"N	80°46'57.1343"W	9765.14	163.522	1.42	-0.65	-1.26
16046.00	88.770	154.350	6845.23	9849.03	-9449.65	2811.03	1636221.55	232473.63	39°07'52.1322"N	80°46'56.5959"W	9858.90	163.434	0.30	0.26	0.15
16141.00	89.080	154.180	6847.02	9943.38	-9535.22	2852.27	1636262.79	232388.07	39°07'51.2924"N	80°46'56.0571"W	9952.68	163.347	0.37	0.33	-0.18
16236.00	89.200	155.820	6848.44	10037.87	-9621.30	2892.41	1636302.93	232301.99	39°07'50.4473"N	80°46'55.5321"W	10046.67	163.268	1.73	0.13	1.73
16332.00	88.250	152.560	6850.58	10133.18	-9707.69	2934.19	1636344.71	232215.60	39°07'49.5994"N	80°46'54.9863"W	10141.44	163.182	3.54	-0.99	-3.40
16427.00	88.740	154.190	6853.07	10227.33	-9792.59	2976.75	1636387.27	232130.71	39°07'48.7664"N	80°46'54.4310"W	10235.03	163.092	1.79	0.52	1.72
16522.00	88.920	155.390	6855.01	10321.78	-9878.52	3017.20	1636427.72	232044.78	39°07'47.9228"N	80°46'53.9021"W	10329.02	163.016	1.28	0.19	1.26
16618.00	88.490	155.960	6857.18	10417.36	-9965.97	3056.74	1636467.25	231957.33	39°07'47.0641"N	80°46'53.3847"W	10424.21	162.948	0.74	-0.45	0.59
16713.00	87.970	155.060	6860.12	10511.90	-10052.38	3096.10	1636506.61	231870.92	39°07'46.2156"N	80°46'52.8696"W	10518.38	162.881	1.09	-0.55	-0.95
16808.00	88.770	154.710	6862.82	10606.34	-10138.37	3136.40	1636546.92	231784.94	39°07'45.3716"N	80°46'52.3426"W	10612.42	162.810	0.92	0.84	-0.37
16903.00	88.950	155.060	6864.71	10700.80	-10224.37	3176.72	1636587.23	231698.94	39°07'44.5273"N	80°46'51.8156"W	10706.50	162.740	0.41	0.19	0.37
16999.00	88.520	155.260	6866.83	10796.30	-10311.46	3217.03	1636627.54	231611.84	39°07'43.6722"N	80°46'51.2882"W	10801.65	162.673	0.49	-0.45	0.21
17094.00	88.680	154.880	6869.15	10890.79	-10397.59	3257.07	1636667.58	231525.72	39°07'42.8267"N	80°46'50.7647"W	10895.79	162.607	0.43	0.17	-0.40
17190.00	88.610	154.780	6871.42	10986.23	-10484.45	3297.88	1636708.39	231438.87	39°07'41.9740"N	80°46'50.2311"W	10990.89	162.539	0.13	-0.07	-0.10
17285.00	88.490	153.370	6873.82	11080.53	-10569.86	3339.40	1636749.91	231353.46	39°07'41.1358"N	80°46'49.6889"W	11084.83	162.467	1.49	-0.13	-1.48
17380.00	89.170	155.410	6875.76	11174.90	-10655.50	3380.46	1636790.96	231267.82	39°07'40.2951"N	80°46'49.1525"W	11178.87	162.398	2.26	0.72	2.15
17476.00	88.310	156.020	6877.88	11270.48	-10742.98	3419.93	1636830.43	231180.34	39°07'39.4361"N	80°46'48.6359"W	11274.20	162.342	1.10	-0.90	0.64
17571.00	89.010	154.350	6880.10	11364.99	-10829.19	3459.79	1636870.29	231094.14	39°07'38.5898"N	80°46'48.1146"W	11368.44	162.282	1.91	0.74	-1.76
17666.00	89.910	155.380	6880.99	11459.46	-10915.18	3500.13	1636910.64	231008.14	39°07'37.7455"N	80°46'47.5871"W	11462.64	162.221	1.44	0.95	1.08
17761.00	89.170	154.390	6881.76	11553.94	-11001.20	3540.45	1636950.95	230922.13	39°07'36.9012"N	80°46'47.0600"W	11556.87	162.161	1.30	-0.78	-1.04
17857.00	88.740	154.490	6883.51	11649.32	-11087.79	3581.87	1636992.37	230835.54	39°07'36.0512"N	80°46'46.5189"W	11651.99	162.097	0.46	-0.45	0.10
17952.00	89.170	156.930	6885.24	11743.91	-11174.36	3620.94	1637031.43	230748.98	39°07'35.2012"N	80°46'46.0075"W	11746.38	162.046	2.61	0.45	2.57
18047.00	88.220	154.950	6887.40	11838.53	-11261.08	3659.65	1637070.15	230662.26	39°07'34.3496"N	80°46'45.5006"W	11840.81	161.997	2.31	-1.00	-2.08
18142.00	88.770	155.610	6889.90	11933.04	-11347.34	3699.37	1637109.86	230576.00	39°07'33.5026"N	80°46'44.9812"W	11935.13	161.943	0.90	0.58	0.69





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# Actual Wellpath Report

OXF43 21H (516229) AWP Proj: 20161'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	OXF43 21H (516229)
Field	Doddridge	API	47-017-06740-0000
Facility	OXF43 Pad	Wellbore	OXF43 21H (516229) AWB
Slot	Slot #21		

## WELLPATH DATA (232 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]
18238.00	88.860	155.530	6891.88	12028.61	-11434.73	3739.06	1637149.56	230488.61	39°07'32.6446"N	80°46'44.4617"W	12030.53	161.893	0.13	0.09	-0.08
18333.00	88.980	155.120	6893.67	12123.15	-11521.04	3778.71	1637189.21	230402.31	39°07'31.7972"N	80°46'43.9431"W	12124.89	161.841	0.45	0.13	-0.43
18428.00	88.890	154.700	6895.44	12217.62	-11607.06	3818.99	1637229.48	230316.29	39°07'30.9527"N	80°46'43.4165"W	12219.18	161.788	0.45	-0.09	-0.44
18524.00	89.110	154.590	6897.12	12313.04	-11693.80	3860.10	1637270.59	230229.55	39°07'30.1012"N	80°46'42.8793"W	12314.43	161.732	0.26	0.23	-0.11
18619.00	89.540	154.930	6898.23	12407.49	-11779.72	3900.60	1637311.09	230143.63	39°07'29.2577"N	80°46'42.3499"W	12408.73	161.679	0.58	0.45	0.36
18715.00	89.260	153.020	6899.24	12502.79	-11865.98	3942.72	1637353.21	230057.37	39°07'28.4112"N	80°46'41.8000"W	12503.86	161.620	2.01	-0.29	-1.99
18809.00	89.170	153.980	6900.53	12596.00	-11950.09	3984.66	1637395.14	229973.26	39°07'27.5858"N	80°46'41.2527"W	12596.91	161.559	1.03	-0.10	1.02
18905.00	88.980	152.830	6902.08	12691.17	-12035.92	4027.63	1637438.11	229887.43	39°07'26.7436"N	80°46'40.6920"W	12691.93	161.498	1.21	-0.20	-1.20
18998.00	88.340	154.550	6904.25	12783.41	-12119.26	4068.83	1637479.32	229804.10	39°07'25.9257"N	80°46'40.1542"W	12784.05	161.441	1.97	-0.69	1.85
19094.00	88.580	154.350	6906.83	12878.78	-12205.84	4110.22	1637520.71	229717.52	39°07'25.0759"N	80°46'39.6134"W	12879.31	161.389	0.33	0.25	-0.21
19189.00	88.650	154.260	6909.13	12973.13	-12291.42	4151.40	1637561.89	229631.94	39°07'24.2359"N	80°46'39.0755"W	12973.56	161.338	0.12	0.07	-0.09
19284.00	88.680	155.270	6911.34	13067.56	-12377.33	4191.89	1637602.38	229546.03	39°07'23.3925"N	80°46'38.5463"W	13067.91	161.290	1.06	0.03	1.06
19380.00	88.950	155.060	6913.33	13163.06	-12464.44	4232.20	1637642.69	229458.93	39°07'22.5373"N	80°46'38.0192"W	13163.35	161.245	0.36	0.28	-0.22
19475.00	88.830	153.410	6915.17	13257.41	-12549.97	4273.49	1637683.97	229373.40	39°07'21.6978"N	80°46'37.4800"W	13257.62	161.195	1.74	-0.13	-1.74
19571.00	89.140	153.910	6916.87	13352.63	-12635.99	4316.08	1637726.56	229287.38	39°07'20.8536"N	80°46'36.9241"W	13352.78	161.141	0.61	0.32	0.52
19666.00	89.510	153.490	6917.99	13446.88	-12721.15	4358.17	1637768.64	229202.22	39°07'20.0179"N	80°46'36.3748"W	13446.98	161.089	0.59	0.39	-0.44
19760.00	89.660	154.380	6918.67	13540.19	-12805.59	4399.47	1637809.94	229117.79	39°07'19.1892"N	80°46'35.8356"W	13540.25	161.039	0.96	0.16	0.95
19855.00	89.780	155.450	6919.13	13634.68	-12891.63	4439.74	1637850.22	229031.75	39°07'18.3446"N	80°46'35.3091"W	13634.71	160.997	1.13	0.13	1.13
19951.00	89.510	153.830	6919.73	13730.11	-12978.37	4480.86	1637891.33	228945.01	39°07'17.4931"N	80°46'34.7718"W	13730.12	160.952	1.71	-0.28	-1.69
20046.00	89.750	154.370	6920.34	13824.44	-13063.83	4522.35	1637932.83	228859.56	39°07'16.6543"N	80°46'34.2300"W	13824.44	160.905	0.62	0.25	0.57
20136.00	89.600	153.740	6920.85	13913.80	-13144.75	4561.73	1637972.20	228778.63	39°07'15.8601"N	80°46'33.7159"W	13913.80	160.861	0.72	-0.17	-0.70
20161.00 ‡	89.600	153.740	6921.03	13938.61	-13167.17	4572.79	1637983.26	228756.22	39°07'15.6400"N	80°46'33.5715"W	13938.61	160.849	0.00	0.00	0.00



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# Actual Wellpath Report

OXF43 21H (516229) AWP Proj: 20161'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	OXF43 21H (516229)
Field	Doddridge	API	47-017-06740-0000
Facility	OXF43 Pad	Wellbore	OXF43 21H (516229) AWB
Slot	Slot #21		

HOLE & CASING SECTIONS - Ref Wellbore: OXF43 21H (516229) AWB Ref Wellpath: OXF43 21H (516229) AWP Proj: 20161'									
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	0.00	0.02
17.5in Open Hole	68.00	570.00	502.00	68.00	570.00	0.00	0.02	-0.10	0.59
13.375in Casing Surface	28.00	570.00	542.00	28.00	570.00	0.00	0.00	-0.10	0.59
12.25in Open Hole	570.00	5485.00	4915.00	570.00	5351.00	-0.10	0.59	-381.62	-369.62
9.625in Casing Intermediate	28.00	5435.00	5407.00	28.00	5313.18	0.00	0.00	-356.97	-348.12
8.5in Open Hole	5435.00	20161.00	14726.00	5313.18	6921.03	-356.97	-348.12	-13167.17	4572.79
5.5in Casing Production	28.00	20161.00	20133.00	28.00	6921.03	0.00	0.00	-13167.17	4572.79

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
OXF43 21H (516229) BHL Rev-1	6667.00	-13168.37	4567.99	1637978.46	228755.02	39°07'15.6276"N	80°46'33.6322"W	point
OXF43 21H (516229) LP Rev-1	6667.00	-1896.18	-753.71	1632656.91	240026.89	39°09'6.2773"N	80°47'43.2093"W	point
OXF43 Pad Hardline #1 (8.27.20)	7000.00	3090.80	-7544.23	1625866.58	245013.73	39°09'54.5863"N	80°49'10.3262"W	polygon
	2D Polygon: dimensions not calculated							
OXF43 Pad Hardline #2 (8.27.20)	7000.00	3678.07	-1581.41	1631829.24	245600.98	39°10'1.2490"N	80°47'54.7374"W	polygon
	2D Polygon: dimensions not calculated							
OXF43 Pad Hardline #3 (8.27.20)	7000.00	-12163.91	5897.53	1639307.97	229759.45	39°07'25.7409"N	80°46'16.9449"W	polygon
	2D Polygon: dimensions not calculated							
OXF43 Pad Hardline #4 (8.27.20)	7000.00	-11998.32	1613.63	1635024.19	229925.04	39°07'26.7747"N	80°47'11.3260"W	polygon
	2D Polygon: dimensions not calculated							
OXF43 Pad Hardline #5 (8.27.20)	7000.00	-10327.20	996.69	1634407.26	231596.11	39°07'43.2029"N	80°47'19.4574"W	polygon
	2D Polygon: dimensions not calculated							
OXF43 Pad Hardline #6 (8.27.20)	7000.00	1559.86	-4909.14	1628501.60	243482.84	39°09'39.8374"N	80°48'36.5909"W	polygon
	2D Polygon: dimensions not calculated							

### TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
OXF43 Pad Hardline #7 (8.27.20)	7000.00	-4286.89	2272.92	1635683.45	237636.25	39°08'43.0795"N	80°47'4.3604"W	polygon
	2D Polygon: dimensions not calculated							

### WELLPATH COMPOSITION - Ref Wellbore: OXF43 21H (516229) AWB Ref Wellpath: OXF43 21H (516229) AWP Proj: 20161'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	3960.00	Gyrodatta 2015 - GC+WIR+DPIPE	01_Gyrodatta MS Gyro <12-1/4">(115'-3960')	OXF43 21H (516229) AWB	28/Jul/2020
3960.00	5409.01	OWSG MWD rev2 - Standard	02_SDI MWD <12-1/4">(3960')(3994'-5409.01')	OXF43 21H (516229) AWB	28/Jul/2020
5409.01	20161.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	03_BH AT Curve + MagVAR MSA <8-1/2">(5409.01')(5466'-20136')	OXF43 21H (516229) AWB	31/Aug/2020



Where energy meets innovation.

# Actual Wellpath Report

OXF43 21H (516229) AWP Proj: 20161'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	OXF43 21H (516229)
Field	Doddridge	API	47-017-06740-0000
Facility	OXF43 Pad	Wellbore	OXF43 21H (516229) AWB
Slot	Slot #21		

COMMENTS
<p><b>Wellpath general comments</b>            API: 47-017-06740-0000            BH Job #: 110552249            Rig: Patterson 277            Duration: 9/1/20 - 9/5/20</p> <p>Gyrodata MS Gyro &lt;12-1/4"&gt;(115'-3960')            SDI MWD &lt;12-1/4"&gt;(3960')(3994'-5409.01')            BH AT Curve + MagVAR MSA &lt;8-1/2"&gt;(5409.01')(5466'-20136')            Projected MD at TD: 20161'</p>

