

API # 47-1706608

# Actual Wellpath Report

WBM Heirs WV 515679 AWP Proj: 14186'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT	Slot	Slot 02
Area	Doddridge Co., WV	Well	WBM Heirs WV 515679
Field	Doddridge	Wellbore	WBM Heirs WV 515679 AWB
Facility	OXF-127 Pad		

## REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 4.0.1
North Reference	Grid	User	Gotfbra1
Scale	0.999968	Report Generated	27/Aug/2015 at 09:30
Convergence at slot	0.82° West	Database/Source file	WANorthEast/WBM_Heirs_WV_515679_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-13.64	6.23	1634232.54	257038.49	39°11'54.630"N	80°47'26.313"W
Facility Reference Pt			1634226.31	257052.13	39°11'54.764"N	80°47'26.394"W
Field Reference Pt			0.00	0.00	38°17'12.460"N	86°28'23.077"W

## WELLPATH DATUM

Calculation method	Minimum curvature	Savanna 655 (RKB) to Facility Vertical Datum	16.00ft
Horizontal Reference Pt	Slot	Savanna 655 (RKB) to Mean Sea Level	1258.00ft
Vertical Reference Pt	Savanna 655 (RKB)	Savanna 655 (RKB) to Mud Line at Slot (Slot 02)	16.00ft
MD Reference Pt	Savanna 655 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	155.00°

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Facility	OXF-127 Pad		

## WELLPATH DATA (223 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]
0.00†	0.000	359.010	0.00	0.00	0.00	0.00	1634232.54	257038.49	39°11'54.630"N	80°47'26.313"W	0.00	0.000	0.00
16.00	0.000	359.010	16.00	0.00	0.00	0.00	1634232.54	257038.49	39°11'54.630"N	80°47'26.313"W	0.00	0.000	0.00
103.00	0.150	359.010	103.00	-0.10	0.11	0.00	1634232.54	257038.60	39°11'54.631"N	80°47'26.313"W	0.11	359.010	0.17
203.00	0.220	68.780	203.00	-0.21	0.31	0.17	1634232.71	257038.80	39°11'54.633"N	80°47'26.310"W	0.36	29.078	0.22
303.00	0.190	69.930	303.00	-0.18	0.44	0.51	1634233.05	257038.93	39°11'54.635"N	80°47'26.306"W	0.67	49.143	0.03
403.00	0.250	83.070	403.00	-0.10	0.52	0.88	1634233.42	257039.01	39°11'54.636"N	80°47'26.302"W	1.03	59.286	0.08
503.00	0.280	82.940	503.00	0.04	0.58	1.34	1634233.88	257039.07	39°11'54.636"N	80°47'26.296"W	1.46	66.601	0.03
603.00	0.310	84.650	603.00	0.21	0.64	1.85	1634234.39	257039.13	39°11'54.637"N	80°47'26.289"W	1.96	71.068	0.03
703.00	0.210	74.020	702.99	0.33	0.71	2.30	1634234.84	257039.20	39°11'54.638"N	80°47'26.284"W	2.41	72.806	0.11
803.00	0.150	80.990	802.99	0.39	0.78	2.60	1634235.14	257039.27	39°11'54.638"N	80°47'26.280"W	2.72	73.281	0.06
903.00	0.170	94.890	902.99	0.50	0.79	2.88	1634235.42	257039.28	39°11'54.639"N	80°47'26.276"W	2.99	74.666	0.04
1003.00	0.090	62.950	1002.99	0.57	0.81	3.10	1634235.64	257039.30	39°11'54.639"N	80°47'26.273"W	3.20	75.298	0.11
1103.00	0.130	37.490	1102.99	0.52	0.94	3.24	1634235.78	257039.43	39°11'54.640"N	80°47'26.272"W	3.37	73.830	0.06
1203.00	0.090	41.350	1202.99	0.43	1.09	3.36	1634235.90	257039.58	39°11'54.642"N	80°47'26.270"W	3.53	72.054	0.04
1303.00	0.100	35.700	1302.99	0.36	1.22	3.46	1634236.00	257039.71	39°11'54.643"N	80°47'26.269"W	3.67	70.620	0.01
1403.00	0.140	38.220	1402.99	0.26	1.38	3.59	1634236.13	257039.87	39°11'54.645"N	80°47'26.267"W	3.85	68.900	0.04
1503.00	0.210	55.510	1502.99	0.18	1.58	3.81	1634236.35	257040.07	39°11'54.647"N	80°47'26.264"W	4.13	67.446	0.09
1603.00	0.700	64.690	1602.99	0.14	1.95	4.52	1634237.06	257040.44	39°11'54.650"N	80°47'26.256"W	4.92	66.663	0.49
1703.00	1.040	64.380	1702.98	0.13	2.60	5.89	1634238.43	257041.09	39°11'54.657"N	80°47'26.238"W	6.44	66.154	0.34
1803.00	1.200	61.160	1802.96	0.05	3.50	7.62	1634240.16	257041.99	39°11'54.666"N	80°47'26.216"W	8.39	65.340	0.17
1903.00	1.320	60.620	1902.93	-0.11	4.57	9.54	1634242.08	257043.06	39°11'54.677"N	80°47'26.192"W	10.58	64.413	0.12
2003.00	1.340	60.880	2002.91	-0.28	5.70	11.57	1634244.11	257044.19	39°11'54.688"N	80°47'26.167"W	12.90	63.755	0.02
2103.00	1.310	59.060	2102.88	-0.48	6.86	13.57	1634246.11	257045.35	39°11'54.700"N	80°47'26.141"W	15.21	63.181	0.05
2203.00	1.360	59.410	2202.85	-0.72	8.05	15.57	1634248.11	257046.54	39°11'54.712"N	80°47'26.116"W	17.53	62.658	0.05
2303.00	1.390	55.170	2302.82	-1.04	9.35	17.59	1634250.13	257047.84	39°11'54.725"N	80°47'26.091"W	19.92	62.010	0.11

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Field	Doddridge	Wellbore	WBM Heirs WV 515679 AWB
Facility	OXF-127 Pad		

## WELLPATH DATA (223 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]
2403.00	1.360	51.260	2402.80	-1.53	10.78	19.51	1634252.05	257049.27	39°11'54.740"N	80°47'26.067"W	22.29	61.070	0.10
2503.00	1.480	53.460	2502.76	-2.07	12.30	21.48	1634254.01	257050.79	39°11'54.755"N	80°47'26.042"W	24.75	60.205	0.13
2603.00	1.550	51.320	2602.73	-2.65	13.91	23.57	1634256.11	257052.40	39°11'54.771"N	80°47'26.016"W	27.37	59.451	0.09
2703.00	1.560	51.680	2702.69	-3.28	15.60	25.69	1634258.23	257054.09	39°11'54.788"N	80°47'25.989"W	30.06	58.735	0.01
2803.00	4.010	216.560	2802.63	-1.93	13.63	24.68	1634257.22	257052.12	39°11'54.769"N	80°47'26.002"W	28.19	61.080	5.53
2903.00	9.650	224.930	2901.88	2.62	4.88	16.67	1634249.21	257043.37	39°11'54.681"N	80°47'26.102"W	17.37	73.669	5.71
3003.00	10.410	241.730	3000.37	6.01	-5.33	2.79	1634235.33	257033.16	39°11'54.578"N	80°47'26.276"W	6.02	152.388	3.01
3103.00	9.050	246.050	3098.93	6.38	-12.80	-12.36	1634220.18	257025.69	39°11'54.502"N	80°47'26.467"W	17.79	223.984	1.54
3203.00	3.890	248.240	3198.26	6.05	-17.26	-22.70	1634209.84	257021.23	39°11'54.457"N	80°47'26.598"W	28.52	232.761	5.16
3303.00	0.760	337.440	3298.18	5.19	-17.90	-26.11	1634206.43	257020.59	39°11'54.450"N	80°47'26.641"W	31.66	235.563	3.95
3403.00	0.930	4.500	3398.17	3.82	-16.48	-26.30	1634206.24	257022.01	39°11'54.464"N	80°47'26.644"W	31.04	237.927	0.43
3503.00	0.840	3.350	3498.16	2.47	-14.94	-26.19	1634206.35	257023.55	39°11'54.479"N	80°47'26.643"W	30.15	240.301	0.09
3603.00	0.680	3.080	3598.15	1.30	-13.62	-26.12	1634206.42	257024.88	39°11'54.492"N	80°47'26.642"W	29.45	242.467	0.16
3703.00	0.580	5.120	3698.15	0.34	-12.52	-26.04	1634206.50	257025.97	39°11'54.503"N	80°47'26.641"W	28.89	244.325	0.10
3803.00	0.400	13.520	3798.14	-0.37	-11.67	-25.91	1634206.63	257026.82	39°11'54.511"N	80°47'26.640"W	28.42	245.747	0.19
3903.00	0.170	324.060	3898.14	-0.79	-11.22	-25.92	1634206.62	257027.27	39°11'54.516"N	80°47'26.640"W	28.24	246.602	0.32
4003.00	0.340	276.990	3998.14	-1.09	-11.06	-26.30	1634206.24	257027.43	39°11'54.517"N	80°47'26.645"W	28.53	247.194	0.26
4004.00	0.350	277.250	3999.14	-1.10	-11.06	-26.31	1634206.23	257027.43	39°11'54.517"N	80°47'26.645"W	28.54	247.200	1.01
4029.00	0.190	270.390	4024.14	-1.15	-11.05	-26.42	1634206.12	257027.44	39°11'54.517"N	80°47'26.646"W	28.64	247.309	0.65
4057.00	0.160	291.620	4052.14	-1.20	-11.03	-26.51	1634206.03	257027.46	39°11'54.518"N	80°47'26.647"W	28.71	247.400	0.25
4089.00	1.450	115.130	4084.14	-0.92	-11.19	-26.18	1634206.36	257027.30	39°11'54.516"N	80°47'26.643"W	28.47	246.860	5.03
4119.00	4.400	119.370	4114.10	0.30	-11.92	-24.84	1634207.71	257026.58	39°11'54.509"N	80°47'26.626"W	27.55	244.370	9.85
4151.00	8.060	118.020	4145.90	3.09	-13.57	-21.78	1634210.76	257024.92	39°11'54.493"N	80°47'26.587"W	25.67	238.077	11.45
4183.00	11.710	120.490	4177.42	7.56	-16.27	-17.00	1634215.54	257022.22	39°11'54.467"N	80°47'26.526"W	23.54	226.256	11.48
4214.00	15.090	127.760	4207.57	13.75	-20.34	-11.10	1634221.44	257018.15	39°11'54.428"N	80°47'26.450"W	23.17	208.620	12.16

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Field	Doddridge	Wellbore	WBM Heirs WV 515679 AWB
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## WELLPATH DATA (223 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TYD [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]
4246.00	16.880	130.760	4238.34	21.69	-25.93	-4.29	1634228.25	257012.56	39°11'54.374"N	80°47'26.362"W	26.28	189.390	6.16
4277.00	18.400	133.350	4267.88	30.34	-32.22	2.68	1634235.22	257006.27	39°11'54.312"N	80°47'26.273"W	32.34	175.246	5.52
4309.00	20.730	132.500	4298.03	40.27	-39.52	10.53	1634243.07	256998.97	39°11'54.241"N	80°47'26.172"W	40.90	165.081	7.34
4340.00	24.500	130.630	4326.64	51.19	-47.41	19.46	1634251.99	256991.08	39°11'54.165"N	80°47'26.057"W	51.25	157.690	12.38
4372.00	27.800	129.830	4355.36	63.99	-56.52	30.22	1634262.76	256981.98	39°11'54.076"N	80°47'25.918"W	64.09	151.862	10.37
4403.00	31.240	129.650	4382.33	77.81	-66.28	41.97	1634274.51	256972.21	39°11'53.981"N	80°47'25.767"W	78.45	147.657	11.10
4435.00	34.190	128.920	4409.25	93.38	-77.22	55.36	1634287.89	256961.27	39°11'53.875"N	80°47'25.595"W	95.02	144.366	9.30
4467.00	37.490	129.380	4435.19	110.25	-89.06	69.88	1634302.42	256949.44	39°11'53.760"N	80°47'25.409"W	113.20	141.878	10.35
4498.00	40.470	129.870	4459.29	127.86	-101.49	84.90	1634317.44	256937.00	39°11'53.639"N	80°47'25.216"W	132.32	140.087	9.66
4561.00	41.910	130.840	4506.70	165.57	-128.36	116.51	1634349.05	256910.13	39°11'53.378"N	80°47'24.809"W	173.35	137.770	2.50
4624.00	41.870	131.420	4553.59	204.04	-156.03	148.20	1634380.73	256882.47	39°11'53.109"N	80°47'24.402"W	215.19	136.475	0.62
4688.00	41.760	135.430	4601.30	243.70	-185.35	179.17	1634411.71	256853.15	39°11'52.824"N	80°47'24.003"W	257.79	135.970	4.18
4751.00	41.740	142.350	4648.33	283.95	-216.91	206.72	1634439.25	256821.58	39°11'52.516"N	80°47'23.648"W	299.64	136.378	7.31
4813.00	41.690	146.230	4694.62	324.48	-250.40	230.79	1634463.32	256788.10	39°11'52.188"N	80°47'23.336"W	340.54	137.333	4.16
4876.00	41.730	145.160	4741.65	365.84	-285.02	254.42	1634486.95	256753.48	39°11'51.850"N	80°47'23.029"W	382.06	138.247	1.13
4939.00	41.780	138.270	4788.67	406.62	-317.91	280.38	1634512.91	256720.59	39°11'51.528"N	80°47'22.694"W	423.89	138.590	7.28
5001.00	41.820	133.610	4834.90	445.66	-347.59	309.10	1634541.63	256690.91	39°11'51.239"N	80°47'22.323"W	465.15	138.355	5.01
5065.00	41.790	133.140	4882.61	485.32	-376.89	340.11	1634572.64	256661.61	39°11'50.954"N	80°47'21.924"W	507.66	137.937	0.49
5128.00	41.870	137.480	4929.56	524.86	-406.75	369.64	1634602.17	256631.76	39°11'50.663"N	80°47'21.544"W	549.62	137.736	4.60
5191.00	41.760	136.000	4976.52	564.74	-437.34	398.43	1634630.95	256601.17	39°11'50.365"N	80°47'21.173"W	591.61	137.665	1.58
5254.00	41.880	130.190	5023.49	603.68	-466.01	429.08	1634661.60	256572.50	39°11'50.086"N	80°47'20.778"W	633.46	137.363	6.15
5317.00	41.760	129.220	5070.44	641.66	-492.84	461.39	1634693.92	256545.66	39°11'49.825"N	80°47'20.363"W	675.11	136.888	1.04
5380.00	41.690	130.230	5117.46	679.58	-519.64	493.64	1634726.16	256518.87	39°11'49.565"N	80°47'19.948"W	716.73	136.470	1.07
5443.00	41.660	134.000	5164.52	718.15	-547.72	524.70	1634757.23	256490.79	39°11'49.292"N	80°47'19.549"W	758.49	136.230	3.98
5505.00	41.800	135.370	5210.79	756.85	-576.74	554.04	1634786.56	256461.77	39°11'49.009"N	80°47'19.171"W	799.75	136.150	1.49

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Facility	OXF-127 Pad		

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5569.00	39.630	136.560	5259.30	796.31	-606.74	583.06	1634815.59	256431.77	39°11'48.717"N	80°47'18.797"W	841.49	136.140	3.60
5631.00	38.790	134.720	5307.34	833.29	-634.77	610.46	1634842.98	256403.74	39°11'48.444"N	80°47'18.444"W	880.68	136.118	2.31
5694.00	38.860	131.470	5356.43	869.92	-661.74	639.29	1634871.81	256376.77	39°11'48.181"N	80°47'18.073"W	920.11	135.988	3.24
5757.00	39.110	129.960	5405.40	906.04	-687.59	669.34	1634901.85	256350.92	39°11'47.930"N	80°47'17.686"W	959.58	135.771	1.56
5819.00	38.950	129.710	5453.56	941.38	-712.60	699.32	1634931.83	256325.91	39°11'47.687"N	80°47'17.301"W	998.42	135.539	0.36
5884.00	38.970	129.240	5504.11	978.26	-738.59	730.86	1634963.38	256299.93	39°11'47.435"N	80°47'16.896"W	1039.07	135.301	0.46
5947.00	38.690	129.630	5553.18	1013.90	-763.68	761.37	1634993.89	256274.84	39°11'47.191"N	80°47'16.504"W	1078.38	135.087	0.59
6010.00	37.830	133.350	5602.66	1049.65	-789.50	790.59	1635023.11	256249.01	39°11'46.940"N	80°47'16.128"W	1117.30	134.961	3.90
6073.00	37.420	134.760	5652.56	1085.57	-816.24	818.23	1635050.74	256222.27	39°11'46.680"N	80°47'15.772"W	1155.75	134.930	1.51
6136.00	40.730	135.080	5701.46	1122.86	-844.28	846.34	1635078.86	256194.24	39°11'46.406"N	80°47'15.410"W	1195.46	134.930	5.26
6198.00	40.870	136.140	5748.39	1161.07	-873.23	874.68	1635107.19	256165.29	39°11'46.124"N	80°47'15.045"W	1235.96	134.952	1.14
6262.00	39.220	134.550	5797.39	1199.85	-902.53	903.61	1635136.12	256135.99	39°11'45.839"N	80°47'14.672"W	1277.14	134.966	3.03
6323.00	39.040	135.230	5844.70	1236.00	-929.70	930.89	1635163.40	256108.83	39°11'45.574"N	80°47'14.320"W	1315.63	134.963	0.76
6387.00	39.000	137.380	5894.43	1274.16	-958.82	958.72	1635191.23	256079.70	39°11'45.290"N	80°47'13.962"W	1355.91	135.003	2.12
6450.00	38.900	138.280	5943.42	1312.00	-988.18	985.31	1635217.81	256050.35	39°11'45.004"N	80°47'13.619"W	1395.47	135.083	0.91
6513.00	38.680	138.680	5992.53	1349.84	-1017.73	1011.47	1635243.98	256020.80	39°11'44.716"N	80°47'13.281"W	1434.87	135.177	0.53
6576.00	38.870	137.600	6041.65	1387.60	-1047.11	1037.80	1635270.30	255991.41	39°11'44.429"N	80°47'12.941"W	1474.27	135.256	1.12
6639.00	38.760	133.470	6090.74	1424.81	-1075.28	1065.44	1635297.95	255963.25	39°11'44.155"N	80°47'12.585"W	1513.74	135.263	4.11
6702.00	38.720	130.870	6139.89	1461.14	-1101.74	1094.66	1635327.16	255936.78	39°11'43.897"N	80°47'12.209"W	1553.10	135.185	2.58
6765.00	38.820	131.780	6189.00	1497.27	-1127.79	1124.28	1635356.79	255910.74	39°11'43.644"N	80°47'11.828"W	1592.46	135.089	0.92
6828.00	38.980	133.370	6238.04	1533.84	-1154.56	1153.41	1635385.91	255883.97	39°11'43.384"N	80°47'11.453"W	1631.98	135.028	1.61
6893.00	38.960	135.000	6288.57	1572.05	-1183.05	1182.73	1635415.23	255855.48	39°11'43.106"N	80°47'11.076"W	1672.85	135.008	1.58
6954.00	38.350	138.440	6336.21	1608.21	-1210.77	1208.84	1635441.34	255827.76	39°11'42.836"N	80°47'10.739"W	1710.93	135.046	3.66
7017.00	39.020	140.310	6385.39	1646.13	-1240.66	1234.48	1635466.98	255797.87	39°11'42.544"N	80°47'10.408"W	1750.19	135.143	2.14
7081.00	40.510	143.750	6434.59	1686.01	-1272.93	1259.64	1635492.14	255765.60	39°11'42.229"N	80°47'10.083"W	1790.82	135.301	4.15

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# Actual Wellpath Report

WBM Heirs WV 515679 AWP Proj: 14186'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT	Slot	Slot 02
Area	Doddridge Co., WV	Well	WBM Heirs WV 515679
Field	Doddridge	Wellbore	WBM Heirs WV 515679 AWB
Facility	OXF-127 Pad		

## WELLPATH DATA (223 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]
7114.00	42.800	145.630	6459.25	1707.59	-1290.83	1272.31	1635504.80	255747.70	39°11'42.054"N	80°47'09.919"W	1812.46	135.414	7.90
7144.00	45.000	146.340	6480.86	1728.13	-1308.07	1283.94	1635516.44	255730.46	39°11'41.885"N	80°47'09.768"W	1832.91	135.533	7.51
7175.00	48.060	145.300	6502.19	1750.34	-1326.68	1296.58	1635529.08	255711.85	39°11'41.703"N	80°47'09.604"W	1855.05	135.657	10.17
7206.00	51.460	143.650	6522.21	1773.60	-1345.93	1310.34	1635542.83	255692.61	39°11'41.514"N	80°47'09.426"W	1878.43	135.768	11.70
7238.00	55.040	141.710	6541.36	1798.64	-1366.31	1325.89	1635558.38	255672.23	39°11'41.315"N	80°47'09.224"W	1903.88	135.860	12.20
7269.00	58.050	140.480	6558.44	1823.74	-1386.43	1342.13	1635574.63	255652.11	39°11'41.119"N	80°47'09.014"W	1929.64	135.930	10.26
7300.00	61.410	141.520	6574.07	1849.72	-1407.24	1358.97	1635591.47	255631.30	39°11'40.915"N	80°47'08.797"W	1956.30	136.000	11.22
7332.00	64.010	143.140	6588.74	1877.46	-1429.75	1376.35	1635608.84	255608.79	39°11'40.695"N	80°47'08.572"W	1984.57	136.090	9.29
7363.00	66.230	144.820	6601.78	1905.06	-1452.49	1392.88	1635625.37	255586.05	39°11'40.473"N	80°47'08.358"W	2012.42	136.200	8.69
7395.00	68.490	147.340	6614.10	1934.23	-1477.00	1409.35	1635641.85	255561.54	39°11'40.233"N	80°47'08.144"W	2041.52	136.343	10.13
7428.00	71.720	148.100	6625.33	1965.01	-1503.23	1425.92	1635658.41	255535.31	39°11'39.976"N	80°47'07.929"W	2071.95	136.512	10.02
7456.00	75.790	147.940	6633.16	1991.69	-1526.03	1440.16	1635672.65	255512.51	39°11'39.753"N	80°47'07.744"W	2098.29	136.658	14.55
7489.00	79.860	148.150	6640.12	2023.70	-1553.39	1457.23	1635689.72	255485.15	39°11'39.485"N	80°47'07.522"W	2129.91	136.830	12.35
7520.00	81.690	148.840	6645.09	2054.10	-1579.48	1473.21	1635705.70	255459.06	39°11'39.229"N	80°47'07.315"W	2159.89	136.994	6.30
7552.00	82.060	149.560	6649.61	2085.62	-1606.69	1489.44	1635721.93	255431.85	39°11'38.963"N	80°47'07.104"W	2190.86	137.169	2.51
7583.00	83.620	150.820	6653.48	2116.27	-1633.38	1504.72	1635737.21	255405.17	39°11'38.701"N	80°47'06.905"W	2220.84	137.348	6.45
7615.00	85.290	152.050	6656.57	2148.05	-1661.35	1519.95	1635752.44	255377.20	39°11'38.427"N	80°47'06.706"W	2251.74	137.545	6.47
7646.00	87.690	154.420	6658.47	2178.98	-1688.97	1533.88	1635766.37	255349.57	39°11'38.156"N	80°47'06.524"W	2281.54	137.755	10.87
7710.00	88.550	154.610	6660.57	2242.94	-1746.71	1561.41	1635793.89	255291.83	39°11'37.589"N	80°47'06.164"W	2342.86	138.206	1.38
7773.00	87.470	156.050	6662.75	2305.90	-1803.93	1587.69	1635820.17	255234.62	39°11'37.027"N	80°47'05.820"W	2403.10	138.648	2.86
7836.00	87.600	155.340	6665.46	2368.83	-1861.29	1613.59	1635846.08	255177.26	39°11'36.464"N	80°47'05.481"W	2463.35	139.077	1.14
7899.00	87.600	155.090	6668.10	2431.78	-1918.44	1639.98	1635872.46	255120.12	39°11'35.903"N	80°47'05.135"W	2523.87	139.474	0.40
7962.00	89.080	153.780	6669.93	2494.75	-1975.24	1667.15	1635899.64	255063.32	39°11'35.345"N	80°47'04.780"W	2584.76	139.835	3.14
8025.00	89.540	152.080	6670.68	2557.70	-2031.33	1695.82	1635928.30	255007.23	39°11'34.795"N	80°47'04.405"W	2646.15	140.144	2.80
8088.00	89.690	153.160	6671.11	2620.64	-2087.27	1724.79	1635957.27	254951.29	39°11'34.246"N	80°47'04.027"W	2707.70	140.432	1.73

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# Actual Wellpath Report

WBM Heirs WV 515679 AWP Proj: 14186'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT	Slot	Slot 02
Area	Doddridge Co., WV	Well	WBM Heirs WV 515679
Field	Doddridge	Wellbore	WBM Heirs WV 515679 AWB
Facility	OXF-127 Pad		

## WELLPATH DATA (223 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]
8151.00	89.690	152.550	6671.45	2683.60	-2143.33	1753.53	1635986.02	254895.23	39°11'33.696"N	80°47'03.652"W	2769.25	140.712	0.97
8214.00	89.570	149.320	6671.86	2746.43	-2198.39	1784.14	1636016.62	254840.17	39°11'33.157"N	80°47'03.254"W	2831.27	140.938	5.13
8277.00	89.540	148.860	6672.35	2809.09	-2252.44	1816.50	1636048.98	254786.12	39°11'32.627"N	80°47'02.833"W	2893.64	141.115	0.73
8340.00	89.910	151.260	6672.65	2871.85	-2307.03	1847.94	1636080.42	254731.54	39°11'32.092"N	80°47'02.424"W	2955.89	141.305	3.85
8401.00	90.030	153.750	6672.68	2932.79	-2361.14	1876.10	1636108.57	254677.43	39°11'31.561"N	80°47'02.056"W	3015.74	141.530	4.09
8465.00	89.820	156.580	6672.76	2996.78	-2419.21	1902.97	1636135.45	254619.36	39°11'30.991"N	80°47'01.704"W	3077.97	141.811	4.43
8529.00	89.940	155.500	6672.90	3060.77	-2477.70	1928.96	1636161.44	254560.88	39°11'30.417"N	80°47'01.364"W	3140.04	142.098	1.70
8594.00	90.090	156.170	6672.88	3125.76	-2537.00	1955.57	1636188.05	254501.58	39°11'29.834"N	80°47'01.015"W	3203.22	142.374	1.06
8654.00	90.250	160.590	6672.70	3185.64	-2592.76	1977.67	1636210.15	254445.81	39°11'29.286"N	80°47'00.724"W	3260.92	142.665	7.37
8716.00	90.400	164.730	6672.35	3247.08	-2651.93	1996.15	1636228.62	254386.65	39°11'28.704"N	80°47'00.479"W	3319.24	143.031	6.68
8781.00	90.460	165.080	6671.86	3311.10	-2714.69	2013.08	1636245.55	254323.89	39°11'28.086"N	80°47'00.252"W	3379.64	143.441	0.55
8844.00	89.540	161.510	6671.86	3373.43	-2775.02	2031.18	1636263.65	254263.57	39°11'27.493"N	80°47'00.012"W	3438.96	143.798	5.85
8906.00	89.660	157.580	6672.30	3435.23	-2833.10	2052.84	1636285.31	254205.49	39°11'26.922"N	80°46'59.726"W	3498.66	144.073	6.34
8969.00	89.570	151.160	6672.72	3498.19	-2889.87	2080.08	1636312.55	254148.72	39°11'26.365"N	80°46'59.370"W	3560.63	144.254	10.19
9032.00	89.570	149.740	6673.19	3560.99	-2944.67	2111.15	1636343.62	254093.92	39°11'25.827"N	80°46'58.965"W	3623.26	144.362	2.25
9095.00	89.480	151.860	6673.71	3623.81	-2999.66	2141.88	1636374.35	254038.93	39°11'25.288"N	80°46'58.565"W	3685.87	144.472	3.37
9158.00	89.540	154.760	6674.25	3686.77	-3055.94	2170.17	1636402.64	253982.66	39°11'24.736"N	80°46'58.195"W	3748.12	144.620	4.60
9221.00	89.510	155.010	6674.78	3749.77	-3112.98	2196.91	1636429.38	253925.62	39°11'24.176"N	80°46'57.846"W	3810.13	144.788	0.40
9284.00	89.630	151.290	6675.25	3812.73	-3169.18	2225.36	1636457.83	253869.42	39°11'23.625"N	80°46'57.474"W	3872.45	144.924	5.91
9346.00	89.630	150.680	6675.65	3874.57	-3223.39	2255.43	1636487.90	253815.21	39°11'23.093"N	80°46'57.082"W	3934.11	145.019	0.98
9409.00	89.630	153.330	6676.06	3937.48	-3279.01	2285.00	1636517.46	253759.59	39°11'22.548"N	80°46'56.697"W	3996.64	145.129	4.21
9471.00	89.630	154.900	6676.46	3999.47	-3334.79	2312.07	1636544.53	253703.81	39°11'22.000"N	80°46'56.343"W	4057.89	145.266	2.53
9536.00	89.690	154.230	6676.84	4064.47	-3393.49	2339.98	1636572.44	253645.11	39°11'21.424"N	80°46'55.978"W	4122.05	145.412	1.03
9599.00	89.600	149.620	6677.23	4127.36	-3449.06	2369.62	1636602.08	253589.55	39°11'20.879"N	80°46'55.591"W	4184.63	145.510	7.32
9661.00	89.510	147.410	6677.71	4188.95	-3501.93	2402.00	1636634.46	253536.68	39°11'20.361"N	80°46'55.171"W	4246.54	145.553	3.57

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# Actual Wellpath Report

WBM Heirs WV 515679 AWP Proj: 14186'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT	Slot	Slot 02
Area	Doddridge Co., WV	Well	WBM Heirs WV 515679
Field	Doddridge	Wellbore	WBM Heirs WV 515679 AWB
Facility	OXF-127 Pad		

## WELLPATH DATA (223 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]
9725.00	89.510	148.680	6678.26	4252.48	-3556.23	2435.87	1636668.33	253482.38	39°11'19.829"N	80°46'54.731"W	4310.48	145.590	1.98
9788.00	89.600	150.110	6678.75	4315.18	-3610.45	2467.95	1636700.40	253428.16	39°11'19.298"N	80°46'54.314"W	4373.34	145.645	2.27
9850.00	89.600	150.100	6679.18	4376.95	-3664.20	2498.85	1636731.30	253374.42	39°11'18.771"N	80°46'53.911"W	4435.15	145.707	0.02
9914.00	89.630	151.380	6679.61	4440.77	-3720.03	2530.13	1636762.58	253318.59	39°11'18.224"N	80°46'53.504"W	4498.91	145.779	2.00
9977.00	89.540	155.030	6680.07	4503.72	-3776.25	2558.52	1636790.98	253262.36	39°11'17.672"N	80°46'53.133"W	4561.37	145.881	5.80
10040.00	89.600	157.850	6680.54	4566.70	-3833.99	2583.70	1636816.15	253204.63	39°11'17.105"N	80°46'52.803"W	4623.31	146.024	4.48
10102.00	89.630	158.060	6680.96	4628.61	-3891.46	2606.97	1636839.42	253147.16	39°11'16.540"N	80°46'52.497"W	4683.99	146.181	0.34
10166.00	89.540	158.160	6681.42	4692.52	-3950.84	2630.83	1636863.28	253087.78	39°11'15.957"N	80°46'52.183"W	4746.62	146.341	0.21
10229.00	89.540	156.930	6681.93	4755.45	-4009.06	2654.89	1636887.34	253029.56	39°11'15.385"N	80°46'51.867"W	4808.43	146.487	1.95
10292.00	89.480	156.740	6682.47	4818.42	-4066.98	2679.67	1636912.12	252971.64	39°11'14.816"N	80°46'51.542"W	4870.42	146.620	0.32
10354.00	89.570	158.100	6682.98	4880.36	-4124.23	2703.48	1636935.93	252914.40	39°11'14.254"N	80°46'51.229"W	4931.33	146.755	2.20
10418.00	89.290	162.260	6683.62	4944.08	-4184.42	2725.17	1636957.62	252854.21	39°11'13.662"N	80°46'50.943"W	4993.59	146.925	6.51
10481.00	89.050	162.010	6684.53	5006.59	-4244.37	2744.50	1636976.95	252794.26	39°11'13.072"N	80°46'50.687"W	5054.40	147.112	0.55
10544.00	89.080	159.220	6685.56	5069.27	-4303.79	2765.40	1636997.85	252734.84	39°11'12.488"N	80°46'50.411"W	5115.67	147.277	4.43
10607.00	89.010	155.780	6686.61	5132.19	-4361.98	2789.51	1637021.95	252676.66	39°11'11.916"N	80°46'50.094"W	5177.66	147.401	5.46
10670.00	89.080	153.030	6687.66	5195.17	-4418.78	2816.72	1637049.16	252619.86	39°11'11.358"N	80°46'49.738"W	5240.18	147.485	4.37
10733.00	89.010	151.680	6688.71	5258.09	-4474.58	2845.94	1637078.39	252564.06	39°11'10.811"N	80°46'49.357"W	5302.95	147.543	2.15
10797.00	89.050	151.170	6689.79	5321.96	-4530.78	2876.55	1637108.99	252507.87	39°11'10.260"N	80°46'48.958"W	5366.79	147.589	0.80
10859.00	89.010	152.410	6690.84	5383.85	-4585.40	2905.85	1637138.30	252453.24	39°11'09.724"N	80°46'48.576"W	5428.62	147.637	2.00
10923.00	88.980	154.280	6691.97	5447.81	-4642.59	2934.56	1637167.00	252396.06	39°11'09.163"N	80°46'48.201"W	5492.29	147.703	2.92
10986.00	88.980	155.250	6693.09	5510.80	-4699.57	2961.41	1637193.85	252339.08	39°11'08.604"N	80°46'47.850"W	5554.81	147.783	1.54
11047.00	89.260	156.070	6694.02	5571.79	-4755.14	2986.55	1637218.99	252283.51	39°11'08.058"N	80°46'47.521"W	5615.23	147.868	1.42
11110.00	89.290	158.460	6694.82	5634.73	-4813.24	3010.89	1637243.33	252225.42	39°11'07.487"N	80°46'47.201"W	5677.39	147.972	3.79
11174.00	89.260	157.760	6695.63	5698.63	-4872.62	3034.75	1637267.19	252166.04	39°11'06.904"N	80°46'46.887"W	5740.39	148.085	1.09
11236.00	88.550	157.980	6696.82	5760.54	-4930.04	3058.11	1637290.54	252108.62	39°11'06.340"N	80°46'46.580"W	5801.49	148.189	1.20

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# Actual Wellpath Report

WBM Heirs WV 515679 AWP Proj: 14186'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT	Slot	Slot 02
Area	Doddridge Co., WV	Well	WBM Heirs WV 515679
Field	Doddridge	Wellbore	WBM Heirs WV 515679 AWB
Facility	OXF-127 Pad		

## WELLPATH DATA (223 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]
11300.00	88.090	159.200	6698.69	5824.39	-4989.59	3081.46	1637313.89	252049.06	39°11'05.754"N	80°46'46.273"W	5864.42	148.301	2.04
11362.00	88.860	157.910	6700.34	5886.25	-5047.28	3104.12	1637336.55	251991.38	39°11'05.188"N	80°46'45.975"W	5925.42	148.408	2.42
11425.00	88.950	155.580	6701.55	5949.20	-5105.15	3128.98	1637361.42	251933.51	39°11'04.619"N	80°46'45.649"W	5987.74	148.496	3.70
11489.00	88.800	156.180	6702.80	6013.18	-5163.55	3155.13	1637387.57	251875.12	39°11'04.046"N	80°46'45.306"W	6051.21	148.573	0.97
11553.00	88.920	158.060	6704.08	6077.12	-5222.50	3180.01	1637412.44	251816.17	39°11'03.467"N	80°46'44.980"W	6114.49	148.663	2.94
11615.00	89.320	158.780	6705.03	6139.00	-5280.14	3202.81	1637435.24	251758.52	39°11'02.900"N	80°46'44.680"W	6175.59	148.760	1.33
11679.00	88.680	155.860	6706.15	6202.93	-5339.18	3227.48	1637459.91	251699.49	39°11'02.320"N	80°46'44.356"W	6238.87	148.847	4.67
11742.00	88.800	156.400	6707.53	6265.91	-5396.78	3252.97	1637485.40	251641.89	39°11'01.754"N	80°46'44.022"W	6301.35	148.920	0.88
11805.00	88.800	155.630	6708.85	6328.88	-5454.32	3278.57	1637511.00	251584.35	39°11'01.189"N	80°46'43.686"W	6363.86	148.990	1.22
11868.00	89.140	150.220	6709.98	6391.81	-5510.39	3307.23	1637539.66	251528.28	39°11'00.639"N	80°46'43.312"W	6426.68	149.029	8.60
11931.00	89.200	151.770	6710.90	6454.64	-5565.48	3337.78	1637570.20	251473.20	39°11'00.099"N	80°46'42.914"W	6489.63	149.048	2.46
11994.00	89.010	155.080	6711.88	6517.60	-5621.81	3365.95	1637598.38	251416.87	39°10'59.546"N	80°46'42.546"W	6552.43	149.090	5.26
12057.00	89.010	156.580	6712.97	6580.59	-5679.28	3391.74	1637624.17	251359.40	39°10'58.982"N	80°46'42.208"W	6614.99	149.154	2.38
12120.00	89.110	155.410	6714.00	6643.57	-5736.82	3417.37	1637649.79	251301.86	39°10'58.417"N	80°46'41.873"W	6677.54	149.218	1.86
12183.00	89.110	152.650	6714.98	6706.54	-5793.45	3444.95	1637677.37	251245.24	39°10'57.861"N	80°46'41.512"W	6740.30	149.263	4.38
12246.00	89.290	151.630	6715.86	6769.46	-5849.14	3474.39	1637706.81	251189.55	39°10'57.315"N	80°46'41.128"W	6803.22	149.290	1.64
12308.00	89.200	153.120	6716.68	6831.39	-5904.06	3503.13	1637735.55	251134.63	39°10'56.776"N	80°46'40.753"W	6865.12	149.318	2.41
12371.00	89.230	155.530	6717.54	6894.37	-5960.83	3530.42	1637762.85	251077.86	39°10'56.219"N	80°46'40.397"W	6927.87	149.363	3.83
12434.00	88.770	154.010	6718.64	6957.36	-6017.81	3557.27	1637789.69	251020.88	39°10'55.660"N	80°46'40.045"W	6990.58	149.412	2.52
12496.00	88.740	152.110	6719.99	7019.31	-6073.07	3585.35	1637817.77	250965.62	39°10'55.118"N	80°46'39.679"W	7052.44	149.444	3.06
12560.00	88.400	152.020	6721.59	7083.20	-6129.59	3615.33	1637847.75	250909.10	39°10'54.563"N	80°46'39.288"W	7116.36	149.467	0.55
12623.00	88.430	152.320	6723.33	7146.10	-6185.29	3644.73	1637877.14	250853.41	39°10'54.017"N	80°46'38.905"W	7179.26	149.491	0.48
12686.00	88.340	154.580	6725.10	7209.05	-6241.62	3672.87	1637905.29	250797.08	39°10'53.464"N	80°46'38.537"W	7242.08	149.525	3.59
12749.00	88.370	156.390	6726.91	7272.02	-6298.91	3699.00	1637931.42	250739.79	39°10'52.902"N	80°46'38.195"W	7304.72	149.577	2.87
12812.00	88.430	155.530	6728.67	7334.98	-6356.42	3724.66	1637957.07	250682.28	39°10'52.337"N	80°46'37.859"W	7367.31	149.631	1.37

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# Actual Wellpath Report

WBM Heirs WV 515679 AWP Proj: 14186'  
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Where energy meets innovation.

## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT	Slot	Slot 02
Area	Doddridge Co., WV	Well	WBM Heirs WV 515679
Field	Doddridge	Wellbore	WBM Heirs WV 515679 AWB
Facility	OXF-127 Pad		

## WELLPATH DATA (223 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]
12875.00	88.400	156.080	6730.42	7397.95	-6413.87	3750.47	1637982.88	250624.84	39°10'51.773"N	80°46'37.521"W	7429.92	149.683	0.87
12938.00	87.940	156.970	6732.43	7460.90	-6471.62	3775.55	1638007.96	250567.08	39°10'51.205"N	80°46'37.192"W	7492.44	149.741	1.59
13001.00	87.970	158.100	6734.68	7523.80	-6529.80	3799.61	1638032.02	250508.91	39°10'50.634"N	80°46'36.876"W	7554.82	149.805	1.79
13064.00	88.030	157.460	6736.87	7586.68	-6588.09	3823.42	1638055.83	250450.62	39°10'50.061"N	80°46'36.563"W	7617.18	149.871	1.02
13127.00	88.030	156.930	6739.04	7649.60	-6646.13	3847.82	1638080.23	250392.58	39°10'49.491"N	80°46'36.243"W	7679.63	149.931	0.84
13189.00	87.910	156.700	6741.24	7711.53	-6703.09	3872.22	1638104.63	250335.63	39°10'48.931"N	80°46'35.923"W	7741.15	149.986	0.42
13254.00	88.090	156.700	6743.50	7776.46	-6762.75	3897.91	1638130.32	250275.97	39°10'48.345"N	80°46'35.586"W	7805.67	150.042	0.28
13315.00	88.000	155.000	6745.59	7837.42	-6818.38	3922.85	1638155.26	250220.34	39°10'47.799"N	80°46'35.259"W	7866.32	150.087	2.79
13379.00	87.970	152.890	6747.84	7901.36	-6875.83	3950.94	1638183.35	250162.89	39°10'47.235"N	80°46'34.892"W	7930.14	150.118	3.30
13442.00	88.060	151.890	6750.02	7964.26	-6931.63	3980.12	1638212.53	250107.10	39°10'46.688"N	80°46'34.511"W	7993.05	150.136	1.59
13505.00	88.090	153.450	6752.13	8027.17	-6987.56	4009.03	1638241.44	250051.17	39°10'46.139"N	80°46'34.134"W	8055.95	150.155	2.48
13567.00	88.000	155.820	6754.25	8089.13	-7043.55	4035.57	1638267.98	249995.18	39°10'45.590"N	80°46'33.787"W	8117.72	150.190	3.82
13630.00	88.060	153.520	6756.42	8152.08	-7100.45	4062.51	1638294.91	249938.28	39°10'45.031"N	80°46'33.435"W	8180.49	150.224	3.65
13693.00	88.060	158.650	6758.55	8215.02	-7157.99	4088.02	1638320.43	249880.74	39°10'44.466"N	80°46'33.100"W	8243.10	150.269	8.14
13756.00	88.030	159.990	6760.70	8277.80	-7216.90	4110.26	1638342.66	249821.84	39°10'43.887"N	80°46'32.807"W	8305.29	150.337	2.13
13819.00	88.000	161.700	6762.88	8340.43	-7276.37	4130.92	1638363.32	249762.36	39°10'43.302"N	80°46'32.534"W	8367.20	150.416	2.71
13882.00	88.030	163.030	6765.06	8402.87	-7336.37	4149.99	1638382.39	249702.36	39°10'42.712"N	80°46'32.281"W	8428.81	150.504	2.11
13945.00	88.030	160.810	6767.23	8465.37	-7396.22	4169.53	1638401.93	249642.52	39°10'42.123"N	80°46'32.022"W	8490.53	150.588	3.52
14008.00	88.460	158.250	6769.16	8528.14	-7455.21	4191.55	1638423.95	249583.53	39°10'41.543"N	80°46'31.732"W	8552.73	150.654	4.12
14071.00	88.430	156.640	6770.87	8591.06	-7513.37	4215.71	1638448.10	249525.37	39°10'40.972"N	80°46'31.415"W	8615.27	150.703	2.56
14134.00	88.430	152.130	6772.60	8654.02	-7570.14	4242.93	1638475.32	249468.60	39°10'40.414"N	80°46'31.059"W	8678.10	150.730	7.16
14161.00	88.370	150.950	6773.35	8680.96	-7593.87	4255.79	1638488.18	249444.88	39°10'40.182"N	80°46'30.892"W	8705.09	150.733	4.37
14186.00	88.370	150.950	6774.06	8705.88	-7615.71	4267.92	1638500.32	249423.03	39°10'39.968"N	80°46'30.734"W	8730.08	150.733	0.00

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