



Where energy meets innovation.

# Actual Wellpath Report

Big 464 519447 AWP Proj: 16832'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 519447
Area	Wetzel County, WV	Well	Big 464 519447
Field	Wetzel	Wellbore	Big 464 519447 AWB
Facility	Big 464 Pad		

REPORT SETUP INFORMATION			
Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 5.1
North Reference	Grid	User	Jacostec
Scale	0.999941	Report Generated	7/13/2018 at 1:58:49 PM
Convergence at slot	0.65° West	Database/Source file	WA_MPL_EASTERNUS_Defn/Big_464_519447_AWP_Proj_16832_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-17.39	-13.68	1713384.86	390404.77	39°34'02.770"N	80°31'00.117"W
Facility Reference Pt			1713398.54	390422.16	39°34'02.944"N	80°30'59.944"W
Field Reference Pt			1688243.35	385255.46	39°33'08.944"N	80°36'20.337"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Precision 539 (RKB) to Facility Vertical Datum	1265.00ft
Horizontal Reference Pt	Slot	Precision 539 (RKB) to Mean Sea Level	1265.00ft
Vertical Reference Pt	Precision 539 (RKB)	Precision 539 (RKB) to Mud Line at Slot (Slot 519447)	18.00ft
MD Reference Pt	Precision 539 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	154.76°

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WELLPATH DATA (206 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
0.00†	0.000	40.730	0.00	-1265.00	0.00	0.00	0.00	0.00	0.00	0.00
18.00	0.000	40.730	18.00	-1247.00	0.00	0.00	0.00	0.00	0.00	0.00
105.00	0.350	40.730	105.00	-1160.00	-0.11	0.20	0.17	0.40	0.40	46.82
205.00	0.260	35.890	205.00	-1060.00	-0.34	0.62	0.51	0.09	-0.09	-4.84
305.00	0.250	48.620	305.00	-960.00	-0.51	0.94	0.80	0.06	-0.01	12.73
405.00	0.230	76.580	405.00	-860.00	-0.53	1.14	1.16	0.12	-0.02	27.96
505.00	0.290	95.660	505.00	-760.00	-0.36	1.16	1.61	0.10	0.06	19.08
605.00	0.310	92.760	604.99	-660.01	-0.10	1.12	2.13	0.03	0.02	-2.90
705.00	0.260	113.330	704.99	-560.01	0.19	1.02	2.61	0.11	-0.05	20.57
805.00	0.290	124.030	804.99	-460.01	0.58	0.78	3.03	0.06	0.03	10.70
905.00	0.280	122.760	904.99	-360.01	1.01	0.51	3.44	0.01	-0.01	-1.27
1005.00	0.100	127.740	1004.99	-260.01	1.29	0.33	3.72	0.18	-0.18	4.98
1105.00	1.480	267.180	1104.98	-160.02	0.88	0.21	2.50	1.56	1.38	139.44
1205.00	4.980	245.030	1204.81	-60.19	0.36	-1.69	-2.73	3.65	3.50	-22.15
1305.00	8.340	233.730	1304.12	39.12	1.73	-7.81	-12.52	3.59	3.36	-11.30
1405.00	6.690	230.100	1403.26	138.26	4.59	-15.84	-22.83	1.72	-1.65	-3.63
1505.00	3.580	243.610	1502.85	237.85	6.13	-20.97	-30.10	3.32	-3.11	13.51
1605.00	2.230	238.220	1602.72	337.72	6.41	-23.38	-34.55	1.38	-1.35	-5.39
1705.00	1.450	227.370	1702.67	437.67	7.01	-25.26	-37.14	0.85	-0.78	-10.85
1805.00	0.610	135.740	1802.66	537.66	7.89	-26.50	-37.69	1.59	-0.84	-91.63
1905.00	0.960	123.200	1902.65	637.65	9.11	-27.34	-36.62	0.39	0.35	-12.54
2005.00	1.000	120.220	2002.63	737.63	10.54	-28.24	-35.17	0.06	0.04	-2.98
2105.00	1.000	121.050	2102.62	837.62	11.99	-29.13	-33.67	0.01	0.00	0.83
2205.00	0.780	120.810	2202.60	937.60	13.28	-29.92	-32.33	0.22	-0.22	-0.24
2305.00	0.720	122.680	2302.60	1037.60	14.38	-30.61	-31.22	0.06	-0.06	1.87
2405.00	0.650	128.640	2402.59	1137.59	15.42	-31.31	-30.25	0.10	-0.07	5.96
2505.00	0.600	129.350	2502.58	1237.58	16.40	-31.99	-29.40	0.05	-0.05	0.71
2605.00	0.380	131.190	2602.58	1337.58	17.18	-32.54	-28.75	0.22	-0.22	1.84
2705.00	0.290	129.490	2702.58	1437.58	17.71	-32.92	-28.30	0.09	-0.09	-1.70
2805.00	0.340	130.290	2802.58	1537.58	18.21	-33.27	-27.88	0.05	0.05	0.80

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Facility	Big 464 Pad		

WELLPATH DATA (206 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
2905.00	0.050	211.200	2902.57	1637.57	18.50	-33.50	-27.68	0.34	-0.29	80.91
3005.00	0.170	289.740	3002.57	1737.57	18.42	-33.49	-27.84	0.17	0.12	78.54
3105.00	0.160	282.210	3102.57	1837.57	18.23	-33.41	-28.11	0.02	-0.01	-7.53
3205.00	0.120	209.060	3202.57	1937.57	18.21	-33.47	-28.30	0.17	-0.04	-73.15
3305.00	0.250	168.940	3302.57	2037.57	18.48	-33.78	-28.31	0.18	0.13	-40.12
3405.00	0.410	153.470	3402.57	2137.57	19.05	-34.31	-28.11	0.18	0.16	-15.47
3505.00	0.480	130.170	3502.57	2237.57	19.79	-34.90	-27.63	0.19	0.07	-23.30
3605.00	0.480	114.360	3602.57	2337.57	20.49	-35.35	-26.93	0.13	0.00	-15.81
3705.00	0.430	120.720	3702.56	2437.56	21.12	-35.71	-26.22	0.07	-0.05	6.36
3805.00	0.460	121.620	3802.56	2537.56	21.77	-36.11	-25.56	0.03	0.03	0.90
3905.00	0.480	118.230	3902.56	2637.56	22.44	-36.52	-24.85	0.03	0.02	-3.39
4005.00	0.510	119.160	4002.55	2737.55	23.14	-36.94	-24.09	0.03	0.03	0.93
4105.00	0.520	112.370	4102.55	2837.55	23.83	-37.33	-23.28	0.06	0.01	-6.79
4205.00	0.530	108.490	4202.54	2937.54	24.49	-37.64	-22.42	0.04	0.01	-3.88
4305.00	0.540	97.620	4302.54	3037.54	25.06	-37.85	-21.52	0.10	0.01	-10.87
4405.00	0.550	86.730	4402.53	3137.53	25.50	-37.89	-20.57	0.10	0.01	-10.89
4505.00	0.560	74.900	4502.53	3237.53	25.77	-37.73	-19.62	0.11	0.01	-11.83
4605.00	0.590	70.250	4602.53	3337.53	25.90	-37.43	-18.66	0.06	0.03	-4.65
4705.00	0.680	65.170	4702.52	3437.52	25.95	-37.01	-17.64	0.11	0.09	-5.08
4805.00	0.610	40.150	4802.51	3537.51	25.74	-36.35	-16.76	0.29	-0.07	-25.02
4905.00	0.700	24.840	4902.51	3637.51	25.12	-35.39	-16.16	0.20	0.09	-15.31
5005.00	0.700	24.130	5002.50	3737.50	24.33	-34.28	-15.65	0.01	0.00	-0.71
5105.00	0.750	19.920	5102.49	3837.49	23.47	-33.11	-15.18	0.07	0.05	-4.21
5205.00	0.650	14.840	5202.48	3937.48	22.58	-31.94	-14.81	0.12	-0.10	-5.08
5305.00	0.500	28.060	5302.48	4037.48	21.88	-31.01	-14.46	0.20	-0.15	13.22
5405.00	0.540	24.360	5402.47	4137.47	21.32	-30.20	-14.06	0.05	0.04	-3.70
5505.00	0.550	32.420	5502.47	4237.47	20.76	-29.36	-13.61	0.08	0.01	8.06
5605.00	0.570	40.330	5602.47	4337.47	20.29	-28.58	-13.03	0.08	0.02	7.91
5660.00	0.410	45.820	5657.46	4392.46	20.12	-28.23	-12.71	0.30	-0.29	9.98
5786.00	0.070	54.010	5783.46	4518.46	19.96	-27.87	-12.33	0.27	-0.27	6.50

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WELLPATH DATA (206 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
5875.00	3.030	358.130	5872.42	4607.42	17.79	-25.49	-12.36	3.36	3.33	-62.79
5924.00	7.090	359.790	5921.22	4656.22	13.86	-21.17	-12.41	8.29	8.29	3.39
5965.00	10.310	359.770	5961.74	4696.74	8.24	-14.97	-12.44	7.85	7.85	-0.05
6014.00	13.100	0.070	6009.72	4744.72	-0.76	-5.03	-12.45	5.70	5.69	0.01
6055.00	17.190	2.690	6049.29	4784.29	-10.32	5.67	-12.16	10.11	9.98	6.39
6105.00	22.040	5.410	6096.37	4831.37	-24.92	22.40	-10.93	9.87	9.70	5.44
6144.00	26.440	8.490	6131.93	4866.93	-38.45	38.29	-8.95	11.74	11.28	7.90
6191.00	31.050	9.570	6173.12	4908.12	-57.11	60.60	-5.39	9.87	9.81	2.30
6234.00	35.580	8.550	6209.05	4944.05	-76.62	83.92	-1.69	10.61	10.53	-2.37
6281.00	41.140	5.660	6245.89	4980.89	-101.27	112.85	1.88	12.43	11.83	-6.15
6323.00	44.730	5.000	6276.63	5011.63	-125.91	141.33	4.53	8.61	8.55	-1.57
6370.00	44.870	5.160	6309.98	5044.98	-154.49	174.32	7.46	0.38	0.30	0.34
6413.00	44.950	5.630	6340.44	5075.44	-180.61	204.54	10.31	0.79	0.19	1.09
6460.00	44.920	5.840	6373.71	5108.71	-209.08	237.57	13.63	0.32	-0.06	0.45
6503.00	44.910	6.670	6404.16	5139.16	-234.96	267.75	16.94	1.36	-0.02	1.93
6550.00	45.000	6.510	6437.42	5172.42	-263.18	300.74	20.75	0.31	0.19	-0.34
6592.00	44.920	7.250	6467.14	5202.14	-288.31	330.20	24.30	1.26	-0.19	1.76
6637.00	41.940	9.330	6499.82	5234.82	-314.10	360.81	28.75	7.34	-6.62	4.62
6682.00	37.710	12.660	6534.37	5269.37	-337.36	389.09	34.21	10.52	-9.40	7.40
6729.00	33.450	14.520	6572.59	5307.59	-358.67	415.67	40.61	9.35	-9.06	3.96
6771.00	30.480	15.310	6608.22	5343.22	-375.67	437.15	46.32	7.14	-7.07	1.88
6818.00	27.400	15.660	6649.35	5384.35	-392.90	459.07	52.39	6.56	-6.55	0.74
6861.00	23.290	20.670	6688.20	5423.20	-406.30	476.56	58.07	10.77	-9.56	11.65
6907.00	19.720	31.640	6731.01	5466.01	-416.88	491.69	65.35	11.66	-7.76	23.85
6950.00	18.070	45.080	6771.71	5506.71	-423.09	502.58	73.88	10.80	-3.84	31.26
6998.00	16.820	59.770	6817.53	5552.53	-426.20	511.34	85.16	9.51	-2.60	30.60
7040.00	15.240	75.920	6857.91	5592.91	-425.66	515.74	95.77	11.22	-3.76	38.45
7091.00	15.050	94.830	6907.17	5642.17	-421.05	516.81	108.88	9.65	-0.37	37.08
7130.00	16.680	110.550	6944.70	5679.70	-414.49	514.42	119.17	11.74	4.18	40.31
7177.00	17.950	121.250	6989.58	5724.58	-403.62	508.30	131.68	7.28	2.70	22.77

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7219.00	19.800	128.630	7029.33	5764.33	-391.83	500.50	142.78	7.18	4.40	17.57
7265.00	23.450	135.450	7072.09	5807.09	-376.19	489.10	155.29	9.62	7.93	14.83
7309.00	28.730	140.750	7111.60	5846.60	-357.65	474.66	168.13	13.11	12.00	12.05
7356.00	33.760	142.820	7151.77	5886.77	-333.90	455.50	183.18	10.94	10.70	4.40
7398.00	38.550	145.730	7185.67	5920.67	-309.54	435.37	197.61	12.11	11.40	6.93
7442.00	43.790	148.300	7218.78	5953.78	-280.85	411.07	213.35	12.51	11.91	5.84
7488.00	49.200	151.360	7250.44	5985.44	-247.63	382.22	230.07	12.71	11.76	6.65
7532.00	53.410	153.480	7277.95	6012.95	-213.32	351.78	245.95	10.28	9.57	4.82
7577.00	56.860	155.340	7303.67	6038.67	-176.41	318.49	261.88	8.38	7.67	4.13
7622.00	60.590	157.510	7327.03	6062.03	-137.98	283.24	277.24	9.26	8.29	4.82
7667.00	65.060	158.710	7347.58	6082.58	-98.02	246.10	292.16	10.21	9.93	2.67
7711.00	69.600	159.030	7364.53	6099.53	-57.54	208.24	306.79	10.34	10.32	0.73
7756.00	74.200	159.680	7378.51	6113.51	-14.92	168.22	321.86	10.31	10.22	1.44
7801.00	78.000	159.450	7389.32	6124.32	28.61	127.30	337.11	8.46	8.44	-0.51
7846.00	81.780	159.440	7397.21	6132.21	72.75	85.82	352.66	8.40	8.40	-0.02
7935.00	89.110	160.750	7404.28	6139.28	161.02	2.46	382.84	8.37	8.24	1.47
8025.00	88.400	159.660	7406.23	6141.23	250.59	-82.20	413.31	1.45	-0.79	-1.21
8114.00	88.460	158.480	7408.67	6143.67	339.31	-165.29	445.09	1.33	0.07	-1.33
8204.00	88.490	159.210	7411.07	6146.07	429.05	-249.20	477.56	0.81	0.03	0.81
8293.00	88.860	158.100	7413.12	6148.12	517.82	-332.07	509.95	1.31	0.42	-1.25
8383.00	89.200	152.430	7414.65	6149.65	607.76	-413.77	547.59	6.31	0.38	-6.30
8473.00	89.230	149.310	7415.88	6150.88	697.53	-492.37	591.39	3.47	0.03	-3.47
8562.00	89.230	148.920	7417.08	6152.08	786.10	-568.74	637.07	0.44	0.00	-0.44
8652.00	89.350	153.250	7418.19	6153.19	875.88	-647.50	680.57	4.81	0.13	4.81
8742.00	89.170	155.980	7419.36	6154.36	965.87	-728.79	719.15	3.04	-0.20	3.03
8831.00	88.430	156.520	7421.22	6156.22	1054.81	-810.24	754.98	1.03	-0.83	0.61
8921.00	88.550	157.450	7423.59	6158.59	1144.71	-893.04	790.16	1.04	0.13	1.03
9011.00	88.340	157.950	7426.03	6161.03	1234.56	-976.28	824.30	0.60	-0.23	0.56
9100.00	88.400	159.160	7428.57	6163.57	1323.33	-1059.08	856.82	1.36	0.07	1.36
9190.00	88.460	160.250	7431.03	6166.03	1412.96	-1143.46	888.03	1.21	0.07	1.21

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9279.00	88.490	161.430	7433.40	6168.40	1501.43	-1227.50	917.23	1.33	0.03	1.33
9369.00	87.720	161.040	7436.38	6171.38	1590.80	-1312.67	946.16	0.96	-0.86	-0.43
9459.00	87.350	158.050	7440.25	6175.25	1680.40	-1396.91	977.58	3.34	-0.41	-3.32
9548.00	87.380	155.690	7444.34	6179.34	1769.23	-1478.66	1012.50	2.65	0.03	-2.65
9638.00	88.800	159.660	7447.34	6182.34	1859.05	-1561.85	1046.66	4.68	1.58	4.41
9728.00	88.370	160.150	7449.56	6184.56	1948.66	-1646.35	1077.57	0.72	-0.48	0.54
9817.00	88.400	155.780	7452.07	6187.07	2037.46	-1728.79	1110.94	4.91	0.03	-4.91
9907.00	88.340	153.400	7454.63	6189.63	2127.42	-1810.05	1149.54	2.64	-0.07	-2.64
9997.00	88.250	155.100	7457.31	6192.31	2217.37	-1891.07	1188.62	1.89	-0.10	1.89
10086.00	88.180	155.390	7460.08	6195.08	2306.33	-1971.85	1225.87	0.34	-0.08	0.33
10176.00	87.750	155.710	7463.28	6198.28	2396.26	-2053.73	1263.10	0.60	-0.48	0.36
10266.00	87.840	153.880	7466.74	6201.74	2486.19	-2135.10	1301.40	2.03	0.10	-2.03
10355.00	87.230	152.080	7470.57	6205.57	2575.06	-2214.31	1341.79	2.13	-0.69	-2.02
10445.00	87.350	152.930	7474.83	6209.83	2664.89	-2294.05	1383.30	0.95	0.13	0.94
10535.00	87.200	155.550	7479.11	6214.11	2754.78	-2375.01	1422.36	2.91	-0.17	2.91
10624.00	87.070	157.970	7483.56	6218.56	2843.60	-2456.68	1457.43	2.72	-0.15	2.72
10714.00	86.640	157.530	7488.49	6223.49	2933.34	-2539.85	1491.46	0.68	-0.48	-0.49
10803.00	86.460	157.100	7493.85	6228.85	3022.10	-2621.82	1525.72	0.52	-0.20	-0.48
10893.00	86.090	158.150	7499.70	6234.70	3111.79	-2704.86	1559.91	1.23	-0.41	1.17
10983.00	86.150	157.290	7505.79	6240.79	3201.46	-2787.95	1593.95	0.96	0.07	-0.96
11072.00	86.330	158.090	7511.62	6246.62	3290.16	-2870.11	1627.67	0.92	0.20	0.90
11162.00	86.150	157.370	7517.52	6252.52	3379.84	-2953.22	1661.70	0.82	-0.20	-0.80
11251.00	86.770	160.730	7523.02	6258.02	3468.41	-3036.17	1693.46	3.83	0.70	3.78
11341.00	86.830	162.740	7528.05	6263.05	3557.60	-3121.49	1721.62	2.23	0.07	2.23
11431.00	86.640	161.610	7533.17	6268.17	3646.70	-3207.03	1749.12	1.27	-0.21	-1.26
11520.00	86.520	157.660	7538.48	6273.48	3735.20	-3290.30	1780.03	4.43	-0.13	-4.44
11610.00	86.550	153.010	7543.93	6278.93	3825.01	-3371.92	1817.51	5.16	0.03	-5.17
11700.00	86.030	150.230	7549.75	6284.75	3914.68	-3450.93	1860.20	3.14	-0.58	-3.09
11789.00	85.810	150.350	7556.08	6291.08	4003.18	-3528.03	1904.19	0.28	-0.25	0.13
11879.00	85.690	153.600	7562.75	6297.75	4092.81	-3607.25	1946.36	3.60	-0.13	3.61

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Big 464 519447 AWP Proj: 16832'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 519447
Area	Wetzel County, WV	Well	Big 464 519447
Field	Wetzel	Wellbore	Big 464 519447 AWB
Facility	Big 464 Pad		

WELLPATH DATA (206 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
11969.00	85.780	156.790	7569.45	6304.45	4182.55	-3688.71	1984.01	3.54	0.10	3.54
12058.00	85.660	158.230	7576.09	6311.09	4271.20	-3770.71	2017.95	1.62	-0.13	1.62
12148.00	86.000	160.730	7582.64	6317.64	4360.65	-3854.77	2049.42	2.80	0.38	2.78
12237.00	86.430	160.700	7588.51	6323.51	4448.97	-3938.59	2078.75	0.48	0.48	-0.03
12327.00	87.600	158.500	7593.20	6328.20	4538.53	-4022.83	2110.07	2.77	1.30	-2.44
12416.00	87.630	156.550	7596.90	6331.90	4627.34	-4104.99	2144.07	2.19	0.03	-2.19
12506.00	87.750	156.950	7600.53	6335.53	4717.21	-4187.62	2179.56	0.46	0.13	0.44
12596.00	87.230	156.110	7604.47	6339.47	4807.08	-4270.09	2215.37	1.10	-0.58	-0.93
12685.00	87.260	154.870	7608.75	6343.75	4895.97	-4350.98	2252.25	1.39	0.03	-1.39
12775.00	86.890	154.440	7613.34	6348.34	4985.85	-4432.21	2290.73	0.63	-0.41	-0.48
12864.00	87.230	158.490	7617.91	6352.91	5074.68	-4513.68	2326.21	4.56	0.38	4.55
12954.00	87.110	159.610	7622.35	6357.35	5164.31	-4597.63	2358.35	1.25	-0.13	1.24
13044.00	87.110	159.240	7626.89	6361.89	5253.90	-4681.78	2389.94	0.41	0.00	-0.41
13133.00	87.380	160.140	7631.17	6366.17	5342.47	-4765.15	2420.79	1.05	0.30	1.01
13223.00	86.920	157.740	7635.64	6370.64	5432.11	-4849.02	2453.09	2.71	-0.51	-2.67
13313.00	89.880	158.670	7638.16	6373.16	5521.90	-4932.55	2486.49	3.45	3.29	1.03
13402.00	91.200	158.180	7637.32	6372.32	5610.72	-5015.31	2519.22	1.58	1.48	-0.55
13492.00	91.350	160.150	7635.32	6370.32	5700.42	-5099.40	2551.22	2.19	0.17	2.19
13581.00	90.620	159.450	7633.79	6368.79	5789.06	-5182.91	2581.94	1.14	-0.82	-0.79
13671.00	89.480	157.980	7633.71	6368.71	5878.85	-5266.77	2614.61	2.07	-1.27	-1.63
13761.00	89.420	156.990	7634.57	6369.57	5968.74	-5349.90	2649.07	1.10	-0.07	-1.10
13850.00	89.380	156.670	7635.50	6370.50	6057.68	-5431.72	2684.09	0.36	-0.04	-0.36
13940.00	89.420	156.130	7636.45	6371.45	6147.63	-5514.19	2720.12	0.60	0.04	-0.60
14029.00	89.420	154.760	7637.35	6372.35	6236.62	-5595.13	2757.10	1.54	0.00	-1.54
14119.00	90.310	155.610	7637.56	6372.56	6326.62	-5676.82	2794.87	1.37	0.99	0.94
14209.00	90.030	152.920	7637.29	6372.29	6416.60	-5757.89	2833.95	3.01	-0.31	-2.99
14298.00	92.520	152.160	7635.31	6370.31	6505.51	-5836.83	2874.98	2.93	2.80	-0.85
14388.00	92.090	153.120	7631.69	6366.69	6595.37	-5916.70	2916.30	1.17	-0.48	1.07
14477.00	91.970	156.080	7628.54	6363.54	6684.31	-5997.04	2954.45	3.33	-0.13	3.33
14567.00	91.910	158.340	7625.49	6360.49	6774.17	-6079.96	2989.29	2.51	-0.07	2.51

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Big 464 519447 AWP Proj: 16832'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 519447
Area	Wetzel County, WV	Well	Big 464 519447
Field	Wetzel	Wellbore	Big 464 519447 AWB
Facility	Big 464 Pad		

WELLPATH DATA (206 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
14657.00	92.340	159.370	7622.15	6357.15	6863.87	-6163.84	3021.73	1.24	0.48	1.14
14746.00	93.630	159.370	7617.52	6352.52	6952.46	-6247.02	3053.05	1.45	1.45	0.00
14836.00	94.000	159.550	7611.53	6346.53	7041.96	-6331.11	3084.55	0.46	0.41	0.20
14925.00	93.880	158.830	7605.42	6340.42	7130.49	-6414.10	3116.10	0.82	-0.13	-0.81
15015.00	94.030	157.980	7599.21	6334.21	7220.09	-6497.59	3149.14	0.96	0.17	-0.94
15104.00	95.450	156.080	7591.85	6326.85	7308.71	-6579.24	3183.75	2.66	1.60	-2.13
15194.00	97.530	155.160	7581.68	6316.68	7398.12	-6660.69	3220.66	2.52	2.31	-1.02
15284.00	97.530	156.470	7569.89	6304.89	7487.32	-6742.08	3257.21	1.44	0.00	1.46
15373.00	98.560	156.790	7557.43	6292.43	7575.40	-6822.97	3292.17	1.21	1.16	0.36
15463.00	98.460	154.830	7544.11	6279.11	7664.39	-6904.16	3328.64	2.16	-0.11	-2.18
15552.00	98.560	156.360	7530.94	6265.94	7752.40	-6984.31	3365.01	1.70	0.11	1.72
15642.00	96.480	156.090	7519.16	6254.16	7841.59	-7065.96	3400.98	2.33	-2.31	-0.30
15732.00	94.440	156.780	7510.60	6245.60	7931.14	-7148.08	3436.79	2.39	-2.27	0.77
15821.00	93.230	158.100	7504.65	6239.65	8019.84	-7230.08	3470.86	2.01	-1.36	1.48
15911.00	92.090	159.930	7500.47	6235.47	8109.49	-7314.02	3503.05	2.39	-1.27	2.03
16001.00	92.960	160.940	7496.50	6231.50	8198.96	-7398.74	3533.16	1.48	0.97	1.12
16090.00	92.800	161.130	7492.03	6227.03	8287.31	-7482.80	3562.05	0.28	-0.18	0.21
16180.00	93.300	160.630	7487.24	6222.24	8376.67	-7567.71	3591.49	0.79	0.56	-0.56
16269.00	93.080	157.570	7482.29	6217.29	8465.27	-7650.72	3623.18	3.44	-0.25	-3.44
16359.00	91.850	157.330	7478.42	6213.42	8555.08	-7733.76	3657.67	1.39	-1.37	-0.27
16449.00	89.910	156.810	7477.04	6212.04	8644.99	-7816.63	3692.72	2.23	-2.16	-0.58
16538.00	87.910	155.000	7478.73	6213.73	8733.95	-7897.86	3729.05	3.03	-2.25	-2.03
16628.00	87.010	155.780	7482.72	6217.72	8823.86	-7979.60	3766.49	1.32	-1.00	0.87
16717.00	86.920	156.410	7487.43	6222.43	8912.71	-8060.85	3802.51	0.71	-0.10	0.71
16807.00	86.980	156.810	7492.22	6227.22	9002.53	-8143.34	3838.18	0.45	0.07	0.44
16832.00	86.980	156.810	7493.54	6228.54	9027.48	-8166.29	3848.01	0.00	0.00	0.00

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# Actual Wellpath Report

Big 464 519447 AWP Proj: 16832'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 519447
Area	Wetzel County, WV	Well	Big 464 519447
Field	Wetzel	Wellbore	Big 464 519447 AWB
Facility	Big 464 Pad		

HOLE & CASING SECTIONS - Ref Wellbore: Big 464 519447 AWB Ref Wellpath: Big 464 519447 AWP Proj: 16832'									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
17.5in Open Hole	18.00	1025.00	1007.00	18.00	1024.99	0.00	0.00	0.30	3.69
13.375in Casing Surface	18.00	1025.00	1007.00	18.00	1024.99	0.00	0.00	0.30	3.69
12.25in Open Hole	1025.00	2847.00	1822.00	1024.99	2844.57	0.30	3.69	-33.41	-27.73
9.625in Casing Intermediate	18.00	2847.00	2829.00	18.00	2844.57	0.00	0.00	-33.41	-27.73
8.75in Open Hole	2847.00	5660.00	2813.00	2844.57	5657.46	-33.41	-27.73	-28.23	-12.71
8.5in Open Hole	5660.00	16832.00	11172.00	5657.46	7493.54	-28.23	-12.71	-8166.29	3848.01
5.5in Casing Production	18.00	16832.00	16814.00	18.00	7493.54	0.00	0.00	-8166.29	3848.01

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Big 464 519447 LP Rev-2	7401.00	36.55	370.56	1713755.40	390441.32	39°34'03.173"N	80°30'55.390"W	point
Big 464 519447 LP Rev-1	7425.00	40.34	365.82	1713750.66	390445.10	39°34'03.210"N	80°30'55.452"W	point
Big 464 519447 BHL Rev-2	7534.30	-8165.72	3848.81	1717233.44	382239.55	39°32'42.499"N	80°30'09.810"W	point
Big 464 519447 BHL Rev-1	7574.20	-8165.72	3848.81	1717233.44	382239.55	39°32'42.499"N	80°30'09.810"W	point
Big 464 HL	7800.00	-11.70	7.69	1713392.55	390393.07	39°34'02.656"N	80°31'00.017"W	polygon

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Big 464 519447 AWP Proj: 16832'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 519447
Area	Wetzel County, WV	Well	Big 464 519447
Field	Wetzel	Wellbore	Big 464 519447 AWB
Facility	Big 464 Pad		

WELLPATH COMPOSITION - Ref Wellbore: Big 464 519447 AWB Ref Wellpath: Big 464 519447 AWP Proj: 16832'				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	5660.00	Gyrodata standard - Drop gyro or Multi-shot	01 Gyrodata MS Gyro <8-3/4">(105'-5660')	Big 464 519447 AWB
5660.00	16807.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	02 BH AT Curve+MagVar MSA <8-1/2"> (5660')(5786'-16807')	Big 464 519447 AWB
16807.00	16832.00	Blind Drilling (std)	Projection to bit	Big 464 519447 AWB

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KB elevation = 1265ft  
 Ground elevation = 1247ft  
 All measurements taken from KB elevation

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