



Where energy meets innovation.

Actual Wellpath Report

Big 464 519448 AWP Proj: 16963'

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05/03/2019



REFERENCE WELLPATH IDENTIFICATION

Operator	EQT	Slot	Slot 519448
Area	Wetzel County, WV	Well	Big 464 519448
Field	Wetzel	Wellbore	Big 464 519448 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	7/10/2018 at 1:37:08 PM
Convergence at slot	0.65° West	Database/Source file	WA_MPL_EASTERNUS_Defn/Big_464_519448_AWP_Proj_16963_.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-29.09	-5.99	1713392.55	390393.07	39°34'02.656"N	80°31'00.017"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 519448)	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	150.68°

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WELLPATH DATA (213 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	181.920	0.00	-1265.00	0.00	0.00	0.00	0.00	0.00	0.00
18.00	0.000	181.920	18.00	-1247.00	0.00	0.00	0.00	0.00	0.00	0.00
105.00	0.250	181.920	105.00	-1160.00	0.16	-0.19	-0.01	0.29	0.29	-204.69
205.00	0.240	187.390	205.00	-1060.00	0.52	-0.62	-0.04	0.03	-0.01	5.47
305.00	0.140	193.930	305.00	-960.00	0.77	-0.94	-0.10	0.10	-0.10	6.54
405.00	0.120	188.260	405.00	-860.00	0.95	-1.16	-0.14	0.02	-0.02	-5.67
505.00	0.110	166.900	505.00	-760.00	1.12	-1.36	-0.13	0.04	-0.01	-21.36
605.00	0.280	134.680	605.00	-660.00	1.45	-1.63	0.06	0.20	0.17	-32.22
705.00	0.210	134.070	705.00	-560.00	1.86	-1.93	0.37	0.07	-0.07	-0.61
805.00	0.190	131.400	805.00	-460.00	2.19	-2.16	0.62	0.02	-0.02	-2.67
905.00	0.200	129.870	905.00	-360.00	2.51	-2.38	0.88	0.01	0.01	-1.53
1005.00	0.240	130.870	1004.99	-260.01	2.87	-2.63	1.17	0.04	0.04	1.00
1105.00	0.280	121.270	1104.99	-160.01	3.28	-2.90	1.54	0.06	0.04	-9.60
1205.00	0.370	117.530	1204.99	-60.01	3.76	-3.17	2.04	0.09	0.09	-3.74
1305.00	0.410	119.550	1304.99	39.99	4.34	-3.50	2.63	0.04	0.04	2.02
1405.00	0.490	128.290	1404.99	139.99	5.04	-3.94	3.28	0.11	0.08	8.74
1505.00	0.520	128.130	1504.98	239.98	5.86	-4.49	3.97	0.03	0.03	-0.16
1605.00	0.690	141.740	1604.98	339.98	6.87	-5.24	4.70	0.22	0.17	13.61
1705.00	0.760	143.990	1704.97	439.97	8.12	-6.25	5.46	0.08	0.07	2.25
1805.00	0.980	143.640	1804.96	539.96	9.63	-7.47	6.36	0.22	0.22	-0.35
1905.00	1.020	142.850	1904.94	639.94	11.36	-8.87	7.41	0.04	0.04	-0.79
2005.00	0.990	144.070	2004.93	739.93	13.10	-10.28	8.45	0.04	-0.03	1.22
2105.00	0.760	142.450	2104.91	839.91	14.62	-11.51	9.36	0.23	-0.23	-1.62
2205.00	0.740	139.090	2204.91	939.91	15.90	-12.52	10.19	0.05	-0.02	-3.36
2305.00	0.720	143.220	2304.90	1039.90	17.16	-13.51	10.99	0.06	-0.02	4.13
2405.00	0.670	146.800	2404.89	1139.89	18.37	-14.50	11.68	0.07	-0.05	3.58
2505.00	0.630	145.450	2504.88	1239.88	19.50	-15.44	12.32	0.04	-0.04	-1.35
2605.00	0.490	145.110	2604.88	1339.88	20.47	-16.25	12.87	0.14	-0.14	-0.34
2705.00	0.490	147.890	2704.88	1439.88	21.32	-16.96	13.34	0.02	0.00	2.78
2805.00	0.380	146.870	2804.87	1539.87	22.08	-17.60	13.75	0.11	-0.11	-1.02

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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	0.290	152.310	2904.87	1639.87	22.66	-18.10	14.05	0.10	-0.09	5.44
3005.00	0.270	161.160	3004.87	1739.87	23.15	-18.55	14.25	0.05	-0.02	8.85
3105.00	0.250	165.000	3104.87	1839.87	23.59	-18.98	14.38	0.03	-0.02	3.84
3205.00	0.200	159.090	3204.87	1939.87	23.98	-19.36	14.50	0.06	-0.05	-5.91
3305.00	0.190	159.130	3304.87	2039.87	24.31	-19.68	14.62	0.01	-0.01	0.04
3405.00	0.280	127.170	3404.87	2139.87	24.70	-19.98	14.87	0.16	0.09	-31.96
3505.00	0.310	129.780	3504.87	2239.87	25.18	-20.30	15.27	0.03	0.03	2.61
3605.00	0.310	125.910	3604.86	2339.86	25.68	-20.63	15.70	0.02	0.00	-3.87
3705.00	0.300	102.930	3704.86	2439.86	26.10	-20.85	16.18	0.12	-0.01	-22.98
3805.00	0.250	76.110	3804.86	2539.86	26.33	-20.85	16.64	0.14	-0.05	-26.82
3905.00	0.260	70.290	3904.86	2639.86	26.43	-20.73	17.07	0.03	0.01	-5.82
4005.00	0.230	63.200	4004.86	2739.86	26.47	-20.56	17.46	0.04	-0.03	-7.09
4105.00	0.270	54.470	4104.86	2839.86	26.46	-20.33	17.83	0.06	0.04	-8.73
4205.00	0.230	68.930	4204.86	2939.86	26.46	-20.12	18.21	0.07	-0.04	14.46
4305.00	0.260	68.950	4304.86	3039.86	26.52	-19.97	18.61	0.03	0.03	0.02
4405.00	0.330	58.910	4404.86	3139.86	26.55	-19.74	19.07	0.09	0.07	-10.04
4505.00	0.410	49.850	4504.85	3239.85	26.47	-19.36	19.59	0.10	0.08	-9.06
4605.00	0.470	42.620	4604.85	3339.85	26.28	-18.83	20.14	0.08	0.06	-7.23
4705.00	0.640	30.920	4704.85	3439.85	25.87	-18.04	20.70	0.20	0.17	-11.70
4805.00	0.740	26.140	4804.84	3539.84	25.23	-16.99	21.28	0.12	0.10	-4.78
4905.00	0.820	16.910	4904.83	3639.83	24.37	-15.72	21.77	0.15	0.08	-9.23
5005.00	0.880	17.030	5004.82	3739.82	23.34	-14.30	22.20	0.06	0.06	0.12
5105.00	0.830	19.400	5104.81	3839.81	22.33	-12.89	22.67	0.06	-0.05	2.37
5205.00	0.710	29.960	5204.80	3939.80	21.54	-11.67	23.22	0.19	-0.12	10.56
5305.00	0.620	29.810	5304.79	4039.79	20.95	-10.66	23.80	0.09	-0.09	-0.15
5405.00	0.580	26.330	5404.79	4139.79	20.38	-9.74	24.29	0.05	-0.04	-3.48
5505.00	0.580	26.480	5504.78	4239.78	19.81	-8.83	24.74	0.00	0.00	0.15
5605.00	0.530	29.060	5604.78	4339.78	19.29	-7.97	25.19	0.06	-0.05	2.58
5705.00	0.520	33.310	5704.77	4439.77	18.83	-7.19	25.66	0.04	-0.01	4.25
5805.00	0.530	41.860	5804.77	4539.77	18.48	-6.47	26.22	0.08	0.01	8.55

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WELLPATH DATA (213 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]
5838.00	0.480	28.250	5837.77	4572.77	18.35	-6.23	26.39	0.39	-0.15	-41.24
5850.00	0.640	19.430	5849.77	4584.77	18.28	-6.12	26.43	1.51	1.33	-73.50
5893.00	1.470	76.190	5892.76	4627.76	18.27	-5.76	27.05	2.89	1.93	132.00
5938.00	5.710	83.870	5937.66	4672.66	19.31	-5.39	29.84	9.46	9.42	17.07
5980.00	9.960	82.380	5979.26	4714.26	21.47	-4.68	35.52	10.13	10.12	-3.55
6025.00	14.120	79.670	6023.26	4758.26	24.70	-3.18	44.78	9.33	9.24	-6.02
6068.00	16.780	78.100	6064.70	4799.70	28.27	-0.96	55.01	6.26	6.19	-3.65
6110.00	17.660	75.040	6104.82	4839.82	31.66	1.93	68.10	3.01	2.10	-7.29
6153.00	18.550	72.680	6145.69	4880.69	34.70	5.65	80.93	2.68	2.07	-5.49
6196.00	20.540	72.280	6186.21	4921.21	37.64	9.99	94.65	4.64	4.63	-0.93
6239.00	23.080	74.580	6226.13	4961.13	41.18	14.53	109.96	6.23	5.91	5.35
6283.00	27.020	77.170	6265.99	5000.99	46.09	19.04	128.03	9.29	8.95	5.89
6326.00	31.580	74.690	6303.48	5038.48	51.59	24.18	148.43	10.97	10.60	-5.77
6369.00	33.150	74.980	6339.80	5074.80	57.22	30.20	170.64	3.67	3.65	0.67
6412.00	36.500	75.510	6375.09	5110.09	63.40	36.45	194.39	7.82	7.79	1.23
6455.00	38.600	74.350	6409.18	5144.18	69.85	43.27	219.69	5.15	4.88	-2.70
6499.00	40.560	72.140	6443.09	5178.09	75.93	51.36	246.52	5.48	4.45	-5.02
6542.00	39.190	69.590	6476.09	5211.09	80.82	60.39	272.57	4.96	-3.19	-5.93
6585.00	39.470	67.210	6509.36	5244.36	84.48	70.42	297.90	3.57	0.65	-5.53
6628.00	39.390	66.130	6542.57	5277.57	87.33	81.24	322.98	1.61	-0.19	-2.51
6671.00	38.410	67.130	6576.03	5311.03	90.12	91.95	347.76	2.71	-2.28	2.33
6714.00	40.620	70.110	6609.21	5344.21	93.92	101.91	373.24	6.77	5.14	6.93
6757.00	42.400	73.550	6641.41	5376.41	99.44	110.78	400.31	6.73	4.14	8.00
6800.00	42.280	74.660	6673.20	5408.20	106.16	118.71	428.16	1.76	-0.28	2.58
6842.00	40.280	73.210	6704.76	5439.76	112.52	126.37	454.79	5.28	-4.76	-3.45
6885.00	39.370	72.690	6737.78	5472.78	118.38	134.44	481.12	2.25	-2.12	-1.21
6928.00	38.870	72.160	6771.14	5506.14	123.90	142.63	506.98	1.40	-1.16	-1.23
6971.00	39.540	70.960	6804.46	5539.46	129.03	151.23	532.77	2.35	1.56	-2.79
7014.00	41.030	70.550	6837.26	5572.26	133.89	160.40	559.01	3.52	3.47	-0.95
7030.00	41.400	70.640	6849.30	5584.30	135.70	163.90	568.96	2.34	2.31	0.66

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7079.00	40.110	69.960	6886.42	5621.42	141.05	174.68	599.07	2.78	-2.63	-1.39
7178.00	39.370	71.600	6962.54	5697.54	152.14	195.52	658.83	1.30	-0.75	1.66
7223.00	39.480	77.070	6997.32	5732.32	158.89	203.23	686.32	7.72	0.24	12.16
7267.00	39.010	83.320	7031.40	5766.40	168.17	207.97	713.72	9.05	-1.07	14.20
7312.00	38.750	89.570	7066.45	5801.45	180.43	209.73	741.88	8.73	-0.58	13.89
7357.00	38.870	95.210	7101.53	5836.53	195.24	208.55	770.04	7.86	0.27	12.53
7402.00	38.590	101.310	7136.64	5871.64	212.39	204.51	797.87	8.50	-0.62	13.56
7446.00	39.630	107.210	7170.80	5905.80	231.52	197.67	824.74	8.78	2.36	13.41
7491.00	42.020	112.260	7204.85	5939.85	253.74	187.71	852.40	9.05	5.31	11.22
7536.00	46.210	116.890	7237.16	5972.16	279.06	174.65	880.84	11.74	9.31	10.29
7581.00	51.350	119.370	7266.81	6001.81	307.59	158.67	910.67	12.15	11.42	5.51
7625.00	57.100	118.220	7292.52	6027.52	337.88	141.50	941.94	13.24	13.07	-2.61
7670.00	62.330	120.160	7315.21	6050.21	371.01	122.54	975.84	12.20	11.62	4.31
7715.00	65.680	125.030	7334.94	6069.94	406.69	100.74	1009.89	12.25	7.44	10.82
7760.00	67.690	129.470	7352.76	6087.76	444.60	75.73	1042.76	10.10	4.47	9.87
7805.00	68.390	136.560	7369.60	6104.60	484.33	47.28	1073.25	14.69	1.56	15.76
7849.00	69.410	142.820	7385.46	6120.46	524.61	15.99	1099.78	13.47	2.32	14.23
7894.00	73.760	145.340	7399.67	6134.67	567.01	-18.58	1124.81	11.03	9.67	5.60
7939.00	77.570	146.760	7410.81	6145.81	610.45	-54.75	1149.15	9.00	8.47	3.16
7984.00	80.200	150.640	7419.49	6154.49	654.57	-92.47	1172.08	10.28	5.84	8.62
8028.00	83.310	154.200	7425.80	6160.80	698.08	-131.06	1192.23	10.68	7.07	8.09
8073.00	86.250	157.530	7429.89	6164.89	742.70	-171.94	1210.55	9.85	6.53	7.40
8118.00	88.460	158.290	7431.97	6166.97	787.29	-213.59	1227.45	5.19	4.91	1.69
8207.00	89.110	157.620	7433.86	6168.86	875.56	-296.07	1260.85	1.05	0.73	-0.75
8297.00	89.080	154.750	7435.28	6170.28	965.12	-378.38	1297.18	3.19	-0.03	-3.19
8387.00	88.250	153.190	7437.38	6172.38	1054.94	-459.23	1336.66	1.96	-0.92	-1.73
8476.00	87.660	154.440	7440.55	6175.55	1143.75	-539.04	1375.91	1.55	-0.66	1.40
8566.00	87.600	156.720	7444.27	6179.27	1233.34	-620.92	1413.08	2.53	-0.07	2.53
8655.00	87.350	157.750	7448.19	6183.19	1321.67	-702.90	1447.49	1.19	-0.28	1.16
8745.00	87.690	156.330	7452.09	6187.09	1411.03	-785.69	1482.56	1.62	0.38	-1.58

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8835.00	87.140	155.400	7456.15	6191.15	1500.57	-867.74	1519.32	1.20	-0.61	-1.03
8924.00	87.360	153.830	7460.42	6195.42	1589.26	-948.05	1557.43	1.78	0.25	-1.76
9014.00	87.600	156.240	7464.38	6199.38	1678.90	-1029.56	1595.38	2.69	0.27	2.68
9104.00	87.720	158.620	7468.05	6203.05	1768.20	-1112.59	1629.89	2.65	0.13	2.64
9193.00	88.370	158.810	7471.09	6206.09	1856.27	-1195.47	1662.18	0.76	0.73	0.21
9283.00	88.280	154.490	7473.72	6208.72	1945.72	-1278.04	1697.83	4.80	-0.10	-4.80
9373.00	88.060	152.280	7476.59	6211.59	2035.57	-1358.46	1738.12	2.47	-0.24	-2.46
9462.00	88.190	153.580	7479.51	6214.51	2124.45	-1437.67	1778.60	1.47	0.15	1.46
9552.00	88.090	156.190	7482.43	6217.43	2214.16	-1519.11	1816.78	2.90	-0.11	2.90
9641.00	88.030	157.500	7485.44	6220.44	2302.59	-1600.89	1851.75	1.47	-0.07	1.47
9731.00	87.880	159.230	7488.65	6223.65	2391.72	-1684.49	1884.91	1.93	-0.17	1.92
9821.00	87.420	157.380	7492.34	6227.34	2480.85	-1768.04	1918.15	2.12	-0.51	-2.06
9911.00	88.860	153.700	7495.27	6230.27	2570.46	-1849.91	1955.39	4.39	1.60	-4.09
10000.00	87.570	149.960	7498.04	6233.04	2659.38	-1928.31	1997.38	4.44	-1.45	-4.20
10090.00	83.680	145.680	7504.91	6239.91	2748.97	-2004.24	2045.14	6.42	-4.32	-4.76
10180.00	83.470	149.680	7514.98	6249.98	2838.26	-2079.80	2092.95	4.42	-0.23	4.44
10269.00	83.310	160.120	7525.25	6260.25	2926.30	-2159.74	2130.40	11.65	-0.18	11.73
10359.00	84.400	161.830	7534.89	6269.89	3014.34	-2244.34	2159.57	2.24	1.21	1.90
10448.00	85.140	161.750	7543.00	6278.00	3101.31	-2328.53	2187.26	0.84	0.83	-0.09
10538.00	85.470	161.360	7550.37	6285.37	3189.40	-2413.62	2215.64	0.57	0.37	-0.43
10628.00	85.780	160.760	7557.23	6292.23	3277.66	-2498.49	2244.77	0.75	0.34	-0.67
10717.00	86.280	160.320	7563.40	6298.40	3365.14	-2582.21	2274.35	0.75	0.56	-0.49
10807.00	86.120	157.350	7569.36	6304.36	3454.02	-2665.94	2306.77	3.30	-0.18	-3.30
10896.00	86.430	156.430	7575.14	6310.14	3542.31	-2747.63	2341.63	1.09	0.35	-1.03
10986.00	86.580	157.300	7580.63	6315.63	3631.62	-2830.23	2376.92	0.98	0.17	0.97
11076.00	86.430	161.050	7586.12	6321.12	3720.45	-2914.18	2408.85	4.16	-0.17	4.17
11165.00	86.620	163.700	7591.51	6326.51	3807.44	-2998.84	2435.75	2.98	0.21	2.98
11255.00	86.580	167.410	7596.85	6331.85	3894.25	-3085.83	2458.16	4.12	-0.04	4.12
11345.00	87.600	163.260	7601.43	6336.43	3981.19	-3172.76	2480.91	4.74	1.13	-4.61
11434.00	88.250	159.280	7604.65	6339.65	4068.60	-3256.98	2509.46	4.53	0.73	-4.47

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 519448
Area	Wetzel County, WV	Well	Big 464 519448
Field	Wetzel	Wellbore	Big 464 519448 AWB
Facility	Big 464 Pad		

WELLPATH DATA (213 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
11524.00	89.480	155.480	7606.43	6341.43	4157.95	-3340.02	2544.07	4.44	1.37	-4.22
11613.00	89.200	153.280	7607.46	6342.46	4246.75	-3420.26	2582.54	2.49	-0.31	-2.47
11703.00	89.450	152.220	7608.52	6343.52	4336.69	-3500.26	2623.75	1.21	0.28	-1.18
11793.00	88.090	153.970	7610.45	6345.45	4426.58	-3580.50	2664.46	2.46	-1.51	1.94
11882.00	87.230	154.990	7614.08	6349.08	4515.31	-3660.75	2702.78	1.50	-0.97	1.15
11972.00	87.600	154.230	7618.14	6353.14	4605.01	-3741.97	2741.33	0.94	0.41	-0.84
12062.00	87.260	156.040	7622.18	6357.18	4694.64	-3823.54	2779.13	2.04	-0.38	2.01
12151.00	87.510	157.700	7626.24	6361.24	4783.03	-3905.30	2814.05	1.88	0.28	1.87
12241.00	87.540	158.140	7630.13	6365.13	4872.23	-3988.62	2847.85	0.49	0.03	0.49
12330.00	87.230	157.360	7634.19	6369.19	4960.46	-4070.91	2881.52	0.94	-0.35	-0.88
12420.00	87.360	158.360	7638.43	6373.43	5049.65	-4154.18	2915.40	1.12	0.14	1.11
12509.00	87.480	159.070	7642.44	6377.44	5137.69	-4237.02	2947.67	0.81	0.13	0.80
12599.00	88.220	159.200	7645.82	6380.82	5226.64	-4321.06	2979.70	0.83	0.82	0.14
12689.00	88.620	158.690	7648.30	6383.30	5315.68	-4405.02	3012.02	0.72	0.44	-0.57
12778.00	91.080	159.840	7648.53	6383.53	5403.67	-4488.25	3043.53	3.05	2.76	1.29
12868.00	91.810	161.240	7646.26	6381.26	5492.31	-4573.08	3073.50	1.75	0.81	1.56
12958.00	92.340	162.360	7643.00	6378.00	5580.56	-4658.51	3101.60	1.38	0.59	1.24
13047.00	92.370	161.800	7639.35	6374.35	5667.73	-4743.13	3128.96	0.63	0.03	-0.63
13137.00	92.060	157.530	7635.87	6370.87	5756.54	-4827.43	3160.20	4.75	-0.34	-4.74
13227.00	92.800	154.800	7632.05	6367.05	5846.04	-4909.68	3196.53	3.14	0.82	-3.03
13316.00	92.280	150.940	7628.10	6363.10	5934.87	-4988.79	3237.07	4.37	-0.58	-4.34
13406.00	92.210	149.270	7624.58	6359.58	6024.79	-5066.75	3281.89	1.86	-0.08	-1.86
13495.00	92.430	147.490	7620.97	6355.97	6113.64	-5142.47	3328.51	2.01	0.25	-2.00
13585.00	92.580	150.850	7617.04	6352.04	6203.51	-5219.67	3374.59	3.73	0.17	3.73
13675.00	94.000	159.860	7611.86	6346.86	6292.97	-5301.25	3412.02	10.12	1.58	10.01
13764.00	94.860	167.270	7604.98	6339.98	6379.41	-5386.30	3437.11	8.36	0.97	8.33
13854.00	96.910	167.620	7595.75	6330.75	6465.13	-5473.68	3456.57	2.31	2.28	0.39
13943.00	99.230	165.630	7583.26	6318.26	6549.84	-5559.40	3476.95	3.42	2.61	-2.24
14033.00	101.830	158.300	7566.79	6301.79	6636.54	-5643.47	3504.30	8.51	2.89	-8.14
14122.00	101.710	153.720	7548.63	6283.63	6723.27	-5723.05	3539.71	5.04	-0.13	-5.15

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Operator	EQT	Slot	Slot 519448
Area	Wetzel County, WV	Well	Big 464 519448
Field	Wetzel	Wellbore	Big 464 519448 AWB
Facility	Big 464 Pad		

WELLPATH DATA (213 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
14212.00	100.140	152.570	7531.57	6266.57	6811.55	-5801.88	3579.63	2.15	-1.74	-1.28
14302.00	96.810	150.100	7518.31	6253.31	6900.54	-5879.97	3622.33	4.59	-3.70	-2.74
14391.00	94.460	150.640	7509.57	6244.57	6989.10	-5956.95	3666.12	2.71	-2.64	0.61
14481.00	90.830	156.230	7505.41	6240.41	7078.85	-6037.32	3706.29	7.40	-4.03	6.21
14571.00	90.980	158.740	7503.99	6238.99	7168.20	-6120.45	3740.75	2.79	0.17	2.79
14660.00	89.720	158.110	7503.45	6238.45	7256.39	-6203.21	3773.48	1.58	-1.42	-0.71
14750.00	89.630	155.840	7503.96	6238.96	7345.84	-6286.03	3808.67	2.52	-0.10	-2.52
14839.00	87.200	153.670	7506.42	6241.42	7434.57	-6366.49	3846.61	3.66	-2.73	-2.44
14929.00	86.710	156.400	7511.20	6246.20	7524.17	-6447.96	3884.54	3.08	-0.54	3.03
15018.00	89.820	160.800	7513.90	6248.90	7612.25	-6530.75	3916.98	6.05	3.49	4.94
15108.00	89.820	160.960	7514.18	6249.18	7700.82	-6615.79	3946.46	0.18	0.00	0.18
15197.00	92.680	156.230	7512.24	6247.24	7788.92	-6698.60	3978.92	6.21	3.21	-5.31
15287.00	90.280	150.940	7509.91	6244.91	7878.74	-6779.14	4018.93	6.45	-2.67	-5.88
15377.00	89.820	149.220	7509.83	6244.83	7968.73	-6857.14	4063.82	1.98	-0.51	-1.91
15466.00	88.590	148.800	7511.07	6246.07	8057.68	-6933.43	4109.64	1.46	-1.38	-0.47
15556.00	88.990	154.070	7512.97	6247.97	8147.62	-7012.43	4152.65	5.87	0.44	5.86
15646.00	89.390	161.900	7514.24	6249.24	8236.81	-7095.79	4186.36	8.71	0.44	8.70
15735.00	88.800	159.610	7515.65	6250.65	8324.42	-7179.80	4215.69	2.66	-0.66	-2.57
15825.00	89.350	153.390	7517.10	6252.10	8413.90	-7262.28	4251.55	6.94	0.61	-6.91
15915.00	88.800	146.940	7518.56	6253.56	8503.84	-7340.30	4296.30	7.19	-0.61	-7.17
16004.00	89.510	148.630	7519.87	6254.87	8592.71	-7415.59	4343.74	2.06	0.80	1.90
16094.00	89.540	158.920	7520.62	6255.62	8682.46	-7496.22	4383.45	11.43	0.03	11.43
16183.00	89.780	164.030	7521.15	6256.15	8769.85	-7580.58	4411.72	5.75	0.27	5.74
16273.00	89.600	163.060	7521.63	6256.63	8857.59	-7666.89	4437.21	1.10	-0.20	-1.08
16362.00	89.510	158.740	7522.33	6257.33	8945.15	-7750.97	4466.33	4.85	-0.10	-4.85
16452.00	89.750	156.540	7522.91	6257.91	9034.48	-7834.19	4500.56	2.46	0.27	-2.44
16542.00	89.750	159.980	7523.30	6258.30	9123.68	-7917.78	4533.89	3.82	0.00	3.82
16631.00	89.570	163.410	7523.83	6258.83	9211.03	-8002.26	4561.84	3.86	-0.20	3.85
16721.00	88.710	159.850	7525.18	6260.18	9299.37	-8087.65	4590.20	4.07	-0.96	-3.96
16810.00	88.280	159.520	7527.52	6262.52	9387.24	-8171.08	4621.08	0.61	-0.48	-0.37

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 519448
Area	Wetzel County, WV	Well	Big 464 519448
Field	Wetzel	Wellbore	Big 464 519448 AWB
Facility	Big 464 Pad		

WELLPATH DATA (213 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]
16900.00	88.400	160.810	7530.12	6265.12	9475.97	-8255.71	4651.61	1.44	0.13	1.43
16938.00	88.180	161.670	7531.26	6266.26	9513.31	-8291.67	4663.82	2.34	-0.58	2.26
16963.00	88.180	161.670	7532.05	6267.05	9537.84	-8315.39	4671.68	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: Big 464 519448 AWB Ref Wellpath: Big 464 519448 AWP Proj: 16963'									
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	1012.00	994.00	18.00	1011.99	0.00	0.00	-2.65	1.20
13.375in Casing Surface	18.00	1012.00	994.00	18.00	1011.99	0.00	0.00	-2.65	1.20
12.25in Open Hole	1012.00	2857.00	1845.00	1011.99	2856.87	-2.65	1.20	-17.88	13.92
9.625in Casing Intermediate	18.00	2857.00	2839.00	18.00	2856.87	0.00	0.00	-17.88	13.92
8.75in Open Hole	2857.00	7105.00	4248.00	2856.87	6906.33	-17.88	13.92	180.35	614.80
8.5in Open Hole	7105.00	16963.00	9858.00	6906.33	7532.05	180.35	614.80	-8315.39	4671.68
5.5in Casing Surface	18.00	16963.00	16945.00	18.00	7532.05	0.00	0.00	-8315.39	4671.68

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Area	Wetzel County, WV	Well	Big 464 519448
Field	Wetzel	Wellbore	Big 464 519448 AWB
Facility	Big 464 Pad		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Big 464 519448 LP Rev-1	7439.00	-178.77	1216.50	1714608.98	390214.31	39°34'01.025"N	80°30'44.458"W	point
Big 464 519448 BHL Rev-2	7547.80	-8316.42	4670.73	1718063.00	382077.16	39°32'40.985"N	80°29'59.198"W	point
Big 464 HL	7600.00	0.00	0.00	1713392.55	390393.07	39°34'02.656"N	80°31'00.017"W	polygon
Big 464 519448 BHL Rev-1	7672.92	-8316.42	4670.73	1718063.00	382077.16	39°32'40.985"N	80°29'59.198"W	point

WELLPATH COMPOSITION - Ref Wellbore: Big 464 519448 AWB Ref Wellpath: Big 464 519448 AWP Proj: 16963'				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	5838.00	Gyrodata standard - Drop gyro or Multi-shot	01 Gyrodata MS Gyro <8-3/4">(105'-5838')	Big 464 519448 AWB
5838.00	7030.00	OWSG MWD rev2 - Standard	02 SDI MWD <8-3/4">(5838')(5850'-7030')	Big 464 519448 AWB
7030.00	16938.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	03 BH AT Curve + MagVar MSA <8-1/2"> (7030')(7079'-16938')	Big 464 519448 AWB
16938.00	16963.00	Blind Drilling (std)	Projection to bit	Big 464 519448 AWB

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

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User specified Dip: 88.96° Field: 52175 nT
 Magnetic North is 8.82 degrees West of True North (at 6/15/2018)
 Grid North is 0.85 degrees West of True North
 To correct azimuth from True to Grid add 0.85 degrees
 To correct azimuth from Magnetic to Grid subtract 7.97 degrees

