



Where energy meets innovation.

# Actual Wellpath Report

Big 464 516784 AWP Proj: 15914'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT	Slot	Slot 516784
Area	Wetzel County, WV	Well	Big 464 516784
Field	Wetzel	Wellbore	Big 464 516784 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	8/9/2018 at 9:26:41 AM
Convergence at slot	0.65° West	Database/Source file	WA_MPL_EASTERNUS_Defn/Big_464_516784_AWP_Proj_15914_.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	1713398.54	390422.16	39°34'02.944"N	80°30'59.944"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 516784)	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	142.83°

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WELLPATH DATA (189 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	216.500	0.00	-1265.00	0.00	0.00	0.00	0.00	0.00	0.00
18.00	0.000	216.500	18.00	-1247.00	0.00	0.00	0.00	0.00	0.00	0.00
105.00	0.180	216.500	105.00	-1160.00	0.04	-0.11	-0.08	0.21	0.21	-164.94
205.00	0.080	238.880	205.00	-1060.00	0.08	-0.27	-0.23	0.11	-0.10	22.38
305.00	0.070	213.480	305.00	-960.00	0.09	-0.36	-0.33	0.03	-0.01	-25.40
405.00	0.090	187.080	405.00	-860.00	0.16	-0.49	-0.37	0.04	0.02	-26.40
505.00	0.120	157.660	505.00	-760.00	0.32	-0.66	-0.34	0.06	0.03	-29.42
605.00	0.120	176.670	605.00	-660.00	0.51	-0.86	-0.30	0.04	0.00	19.01
705.00	0.140	138.930	705.00	-560.00	0.72	-1.06	-0.21	0.09	0.02	-37.74
805.00	0.270	130.980	805.00	-460.00	1.07	-1.31	0.06	0.13	0.13	-7.95
905.00	0.500	119.900	905.00	-360.00	1.70	-1.68	0.61	0.24	0.23	-11.08
1005.00	0.490	124.690	1004.99	-260.01	2.51	-2.14	1.34	0.04	-0.01	4.79
1105.00	0.600	113.500	1104.99	-160.01	3.38	-2.59	2.17	0.15	0.11	-11.19
1205.00	0.590	112.960	1204.98	-60.02	4.28	-3.00	3.12	0.01	-0.01	-0.54
1305.00	0.670	103.830	1304.98	39.98	5.18	-3.34	4.16	0.13	0.08	-9.13
1405.00	0.720	105.510	1404.97	139.97	6.13	-3.65	5.34	0.05	0.05	1.66
1505.00	0.760	101.840	1504.96	239.96	7.13	-3.95	6.59	0.08	0.04	-3.67
1605.00	0.840	108.310	1604.95	339.95	8.24	-4.32	7.94	0.12	0.08	6.47
1705.00	0.940	116.950	1704.94	439.94	9.58	-4.92	9.36	0.17	0.10	8.64
1805.00	0.990	121.030	1804.92	539.92	11.12	-5.74	10.83	0.08	0.05	4.06
1905.00	1.040	121.070	1904.91	639.91	12.76	-6.65	12.35	0.05	0.05	0.04
2005.00	0.980	120.740	2004.89	739.89	14.40	-7.56	13.86	0.06	-0.06	-0.33
2105.00	0.670	121.630	2104.88	839.88	15.74	-8.30	15.10	0.31	-0.31	0.89
2205.00	0.680	123.600	2204.88	939.88	16.84	-8.94	16.09	0.03	0.01	1.97
2305.00	0.680	122.720	2304.87	1039.87	17.96	-9.59	17.08	0.01	0.00	-0.88
2405.00	0.650	138.180	2404.86	1139.86	19.08	-10.33	17.96	0.18	-0.03	15.46
2505.00	0.560	140.270	2504.86	1239.86	20.14	-11.13	18.65	0.09	-0.09	2.09
2605.00	0.410	141.230	2604.85	1339.85	20.98	-11.78	19.19	0.15	-0.15	0.96
2705.00	0.330	138.900	2704.85	1439.85	21.63	-12.28	19.60	0.08	-0.08	-2.33
2805.00	0.370	125.030	2804.85	1539.85	22.22	-12.68	20.05	0.09	0.04	-13.87

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Facility	Big 464 Pad		

WELLPATH DATA (189 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	0.360	136.620	2904.85	1639.85	22.84	-13.10	20.53	0.07	-0.01	11.59
3005.00	0.220	173.740	3004.85	1739.85	23.32	-13.52	20.77	0.23	-0.14	37.12
3067.00	0.290	185.240	3066.85	1801.85	23.54	-13.79	20.77	0.14	0.11	18.55
3082.00	0.150	102.800	3081.85	1816.85	23.58	-13.83	20.79	2.06	-0.93	-549.60
3126.00	3.340	43.560	3125.82	1860.82	23.42	-12.92	21.72	7.42	7.25	-134.64
3170.00	8.450	40.790	3169.57	1904.57	22.54	-9.54	24.72	11.63	11.61	-6.30
3215.00	13.540	42.680	3213.73	1948.73	20.92	-3.16	30.46	11.34	11.31	4.20
3259.00	16.770	47.110	3256.20	1991.20	19.38	4.95	38.60	7.79	7.34	10.07
3303.00	18.920	57.620	3298.09	2033.09	19.34	13.10	49.28	8.78	4.89	23.89
3347.00	20.130	67.520	3339.57	2074.57	21.86	19.81	62.31	8.00	2.75	22.50
3391.00	21.570	81.310	3380.71	2115.71	27.64	23.93	77.31	11.60	3.27	31.34
3435.00	23.070	95.640	3421.45	2156.45	37.36	24.31	93.89	12.80	3.41	32.57
3479.00	25.070	108.640	3461.65	2196.65	50.94	20.48	111.32	12.85	4.55	29.55
3524.00	28.090	117.190	3501.90	2236.90	68.39	12.59	129.79	10.82	6.71	19.00
3568.00	30.620	116.400	3540.25	2275.25	87.76	2.87	149.04	5.82	5.75	-1.80
3611.00	32.390	116.080	3576.91	2311.91	107.86	-7.07	169.20	4.13	4.12	-0.74
3655.00	34.790	116.840	3613.56	2348.56	129.67	-17.92	190.99	5.54	5.45	1.73
3699.00	37.840	117.620	3649.01	2384.01	153.17	-29.84	214.15	7.01	6.93	1.77
3743.00	39.250	119.800	3683.42	2418.42	178.19	-43.02	238.19	4.45	3.20	4.95
3788.00	40.610	118.360	3716.40	2451.40	203.45	-56.43	262.31	3.82	3.16	-3.35
3830.00	40.610	117.990	3749.80	2484.80	229.48	-69.95	287.56	0.55	0.00	-0.84
3873.00	40.400	117.860	3782.49	2517.49	254.81	-83.03	312.23	0.53	-0.49	-0.30
3917.00	41.050	116.670	3815.84	2550.84	280.70	-96.18	337.75	2.30	1.48	-2.70
3961.00	41.620	114.030	3848.88	2583.88	306.48	-108.61	364.01	4.17	1.30	-6.00
4048.00	40.130	111.700	3914.67	2649.67	355.80	-130.75	416.45	2.45	-1.71	-2.68
4137.00	40.830	111.010	3982.36	2717.36	405.07	-151.79	470.26	0.93	0.79	-0.78
4225.00	41.080	112.300	4048.82	2783.82	454.42	-173.07	523.87	1.00	0.28	1.47
4313.00	40.290	113.210	4115.55	2850.55	504.07	-195.26	576.77	1.12	-0.90	1.03
4401.00	41.490	115.730	4182.08	2917.08	554.75	-219.13	629.19	2.32	1.36	2.86
4489.00	40.560	114.690	4248.47	2983.47	605.93	-243.73	681.44	1.31	-1.06	-1.18

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WELLPATH DATA (189 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
4578.00	40.840	115.280	4315.95	3050.95	657.25	-268.25	734.05	0.53	0.31	0.66
4666.00	40.710	114.470	4382.59	3117.59	708.02	-292.42	786.19	0.62	-0.15	-0.92
4753.00	40.520	115.880	4448.63	3183.63	758.18	-316.51	837.44	1.08	-0.22	1.62
4840.00	42.450	117.330	4513.80	3248.80	809.88	-342.33	888.96	2.48	2.22	1.67
4928.00	41.400	116.730	4579.28	3314.28	862.81	-369.05	941.33	1.28	-1.19	-0.68
5017.00	40.080	115.290	4646.71	3381.71	914.65	-394.53	993.52	1.82	-1.48	-1.62
5105.00	40.520	113.860	4713.83	3448.83	964.78	-418.20	1045.28	1.16	0.50	-1.63
5192.00	41.990	114.280	4779.23	3514.23	1015.07	-441.60	1097.66	1.72	1.69	0.48
5280.00	42.200	113.630	4844.53	3579.53	1066.73	-465.55	1151.57	0.55	0.24	-0.74
5368.00	41.630	112.330	4910.01	3645.01	1117.72	-488.50	1205.69	1.18	-0.65	-1.48
5413.00	41.440	113.220	4943.70	3678.70	1143.54	-500.05	1233.20	1.38	-0.42	1.98
5462.00	40.430	112.290	4980.71	3715.71	1171.33	-512.47	1262.80	2.41	-2.06	-1.90
5521.00	38.950	112.390	5026.11	3761.11	1203.79	-526.79	1297.65	2.51	-2.51	0.17
5611.00	39.290	112.770	5095.94	3830.94	1252.85	-548.60	1350.09	0.46	0.38	0.42
5700.00	39.340	113.970	5164.80	3899.80	1301.94	-570.97	1401.85	0.86	0.06	1.35
5790.00	39.290	114.390	5234.43	3969.43	1351.98	-594.32	1453.87	0.30	-0.06	0.47
5879.00	39.200	115.410	5303.35	4038.35	1401.73	-618.03	1504.94	0.73	-0.10	1.15
5969.00	39.360	115.550	5373.02	4108.02	1452.34	-642.54	1556.37	0.20	0.18	0.16
6059.00	39.340	114.730	5442.62	4177.62	1502.87	-666.78	1608.03	0.58	-0.02	-0.91
6148.00	39.340	113.770	5511.45	4246.45	1552.41	-689.95	1659.47	0.68	0.00	-1.08
6238.00	39.270	113.390	5581.09	4316.09	1602.15	-712.76	1711.72	0.28	-0.08	-0.42
6327.00	39.380	113.360	5649.94	4384.94	1651.26	-735.14	1763.49	0.13	0.12	-0.03
6417.00	39.260	113.680	5719.56	4454.56	1700.99	-757.90	1815.78	0.26	-0.13	0.36
6507.00	39.420	114.250	5789.17	4524.17	1750.95	-781.07	1867.92	0.44	0.18	0.63
6596.00	39.380	113.780	5857.94	4592.94	1800.45	-804.06	1919.52	0.34	-0.04	-0.53
6686.00	39.370	112.950	5927.51	4662.51	1850.16	-826.70	1971.93	0.59	-0.01	-0.92
6775.00	39.240	112.810	5996.38	4731.38	1899.01	-848.62	2023.87	0.18	-0.15	-0.16
6865.00	39.270	112.070	6066.07	4801.07	1948.13	-870.36	2076.51	0.52	0.03	-0.82
6954.00	39.120	111.830	6135.05	4870.05	1996.40	-891.38	2128.68	0.24	-0.17	-0.27
7044.00	39.150	112.300	6204.86	4939.86	2045.21	-912.72	2181.32	0.33	0.03	0.52

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7134.00	39.150	113.620	6274.65	5009.65	2094.48	-934.89	2233.64	0.93	0.00	1.47
7223.00	39.280	114.810	6343.61	5078.61	2143.88	-957.97	2284.95	0.86	0.15	1.34
7313.00	39.040	114.800	6413.39	5148.39	2194.05	-981.81	2336.54	0.27	-0.27	-0.01
7402.00	39.070	114.350	6482.51	5217.51	2243.44	-1005.13	2387.54	0.32	0.03	-0.51
7492.00	39.040	113.580	6552.39	5287.39	2293.10	-1028.16	2439.35	0.54	-0.03	-0.86
7581.00	39.170	113.270	6621.46	5356.46	2342.01	-1050.48	2490.86	0.26	0.15	-0.35
7671.00	39.020	113.560	6691.31	5426.31	2391.44	-1073.03	2542.94	0.26	-0.17	0.32
7760.00	39.060	114.100	6760.43	5495.43	2440.47	-1095.88	2594.22	0.38	0.04	0.61
7850.00	39.190	114.200	6830.25	5565.25	2490.30	-1118.92	2646.04	0.16	0.14	0.11
7939.00	39.030	114.790	6899.31	5634.31	2539.71	-1142.19	2697.13	0.46	-0.18	0.66
8029.00	39.180	114.180	6969.15	5704.15	2589.67	-1165.72	2748.79	0.46	0.17	-0.68
8118.00	39.190	113.050	7038.14	5773.14	2638.75	-1188.25	2800.32	0.80	0.01	-1.27
8208.00	39.070	112.810	7107.95	5842.95	2687.99	-1210.37	2852.62	0.21	-0.13	-0.27
8297.00	39.070	113.410	7177.05	5912.05	2736.70	-1232.39	2904.22	0.42	0.00	0.67
8387.00	39.200	113.890	7246.86	5981.86	2786.30	-1255.18	2956.25	0.37	0.14	0.53
8477.00	39.090	114.560	7316.66	6051.66	2836.18	-1278.49	3008.06	0.49	-0.12	0.74
8566.00	42.180	118.950	7384.20	6119.20	2888.23	-1304.63	3059.75	4.73	3.47	4.93
8656.00	48.190	126.120	7447.65	6182.65	2948.08	-1339.08	3113.37	8.74	6.68	7.97
8746.00	56.550	131.360	7502.58	6237.58	3017.16	-1383.76	3168.77	10.37	9.29	5.82
8835.00	65.740	137.480	7545.51	6280.51	3094.16	-1438.35	3224.21	11.95	10.33	6.86
8925.00	73.550	144.540	7576.83	6311.83	3178.37	-1503.92	3277.12	11.37	8.68	7.84
9015.00	79.700	152.000	7597.67	6332.67	3265.42	-1578.33	3323.05	10.57	6.83	8.29
9104.00	81.940	159.100	7611.88	6346.88	3351.05	-1658.26	3359.37	8.27	2.52	7.98
9194.00	85.440	158.760	7621.77	6356.77	3436.99	-1741.72	3391.53	3.91	3.89	-0.38
9283.00	85.990	159.090	7628.42	6363.42	3522.26	-1824.54	3423.44	0.72	0.62	0.37
9373.00	86.890	157.620	7634.01	6369.01	3608.80	-1908.03	3456.57	1.91	1.00	-1.63
9463.00	86.950	157.950	7638.85	6373.85	3695.63	-1991.23	3490.55	0.37	0.07	0.37
9552.00	89.540	160.660	7641.57	6376.57	3780.92	-2074.43	3521.98	4.21	2.91	3.04
9642.00	89.480	158.810	7642.34	6377.34	3867.02	-2158.85	3553.15	2.06	-0.07	-2.06
9732.00	87.940	155.460	7644.37	6379.37	3954.20	-2241.75	3588.11	4.10	-1.71	-3.72

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9821.00	88.000	152.630	7647.52	6382.52	4041.43	-2321.71	3627.03	3.18	0.07	-3.18
9911.00	87.880	151.950	7650.76	6385.76	4130.15	-2401.34	3668.85	0.77	-0.13	-0.76
10001.00	89.350	149.330	7652.93	6387.93	4219.28	-2479.75	3712.96	3.34	1.63	-2.91
10090.00	89.260	152.890	7654.01	6389.01	4307.33	-2557.65	3755.95	4.00	-0.10	4.00
10180.00	90.120	157.580	7654.50	6389.50	4395.20	-2639.35	3793.64	5.30	0.96	5.21
10270.00	90.520	157.170	7654.00	6389.00	4482.32	-2722.42	3828.26	0.64	0.44	-0.46
10359.00	90.860	155.630	7652.92	6387.92	4568.82	-2803.97	3863.89	1.77	0.38	-1.73
10449.00	91.200	157.360	7651.31	6386.31	4656.26	-2886.48	3899.78	1.96	0.38	1.92
10539.00	90.950	157.000	7649.62	6384.62	4743.44	-2969.43	3934.68	0.49	-0.28	-0.40
10628.00	91.020	159.840	7648.09	6383.09	4829.14	-3052.17	3967.40	3.19	0.08	3.19
10718.00	92.890	161.310	7645.02	6380.02	4914.80	-3136.99	3997.31	2.64	2.08	1.63
10807.00	95.980	159.480	7638.14	6373.14	4999.38	-3220.56	4027.08	4.03	3.47	-2.06
10897.00	95.770	158.160	7628.92	6363.92	5085.45	-3304.04	4059.42	1.48	-0.23	-1.47
10987.00	93.260	156.750	7621.84	6356.84	5172.25	-3386.90	4093.82	3.20	-2.79	-1.57
11076.00	92.860	158.720	7617.09	6352.09	5258.13	-3469.14	4127.49	2.26	-0.45	2.21
11166.00	93.110	158.060	7612.40	6347.40	5344.71	-3552.70	4160.59	0.78	0.28	-0.73
11255.00	93.110	156.520	7607.57	6342.57	5430.76	-3634.68	4194.90	1.73	0.00	-1.73
11345.00	92.890	158.370	7602.86	6337.86	5517.73	-3717.67	4229.38	2.07	-0.24	2.06
11435.00	92.490	156.910	7598.64	6333.64	5604.64	-3800.81	4263.57	1.68	-0.44	-1.62
11524.00	94.040	157.420	7593.57	6328.57	5690.73	-3882.70	4298.06	1.83	1.74	0.57
11614.00	94.870	157.510	7586.58	6321.58	5777.54	-3965.58	4332.44	0.93	0.92	0.10
11704.00	95.830	154.850	7578.18	6313.18	5864.72	-4047.55	4368.63	3.13	1.07	-2.96
11793.00	97.870	154.890	7567.57	6302.57	5951.14	-4127.54	4406.15	2.29	2.29	0.04
11883.00	97.870	158.190	7555.24	6290.24	6037.73	-4209.31	4441.64	3.63	0.00	3.67
11973.00	96.970	158.920	7543.62	6278.62	6123.64	-4292.38	4474.27	1.28	-1.00	0.81
12062.00	96.880	159.270	7532.89	6267.89	6208.45	-4374.91	4505.79	0.40	-0.10	0.39
12152.00	95.920	156.030	7522.85	6257.85	6294.91	-4457.62	4539.80	3.73	-1.07	-3.60
12241.00	95.920	156.760	7513.67	6248.67	6380.96	-4538.74	4575.25	0.82	0.00	0.82
12331.00	93.820	158.280	7506.03	6241.03	6467.70	-4621.59	4609.53	2.88	-2.33	1.69
12420.00	91.910	158.680	7501.59	6236.59	6553.29	-4704.28	4642.14	2.19	-2.15	0.45

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# Actual Wellpath Report

Big 464 516784 AWP Proj: 15914'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 516784
Area	Wetzel County, WV	Well	Big 464 516784
Field	Wetzel	Wellbore	Big 464 516784 AWB
Facility	Big 464 Pad		

WELLPATH DATA (189 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
12510.00	90.830	158.730	7499.43	6234.43	6639.83	-4788.11	4674.81	1.20	-1.20	0.06
12600.00	90.920	158.560	7498.06	6233.06	6726.41	-4871.92	4707.58	0.21	0.10	-0.19
12689.00	90.120	158.390	7497.25	6232.25	6812.11	-4954.71	4740.24	0.92	-0.90	-0.19
12779.00	90.090	157.670	7497.09	6232.09	6898.96	-5038.18	4773.91	0.80	-0.03	-0.80
12869.00	90.060	156.260	7496.97	6231.97	6986.23	-5121.00	4809.12	1.57	-0.03	-1.57
12958.00	90.280	153.020	7496.71	6231.71	7073.34	-5201.41	4847.24	3.65	0.25	-3.64
13048.00	93.020	153.220	7494.11	6229.11	7161.84	-5281.64	4887.91	3.05	3.04	0.22
13137.00	90.280	152.190	7491.55	6226.55	7249.48	-5360.69	4928.70	3.29	-3.08	-1.16
13227.00	89.880	150.460	7491.43	6226.43	7338.49	-5439.65	4971.88	1.97	-0.44	-1.92
13317.00	90.090	153.500	7491.45	6226.45	7427.33	-5519.09	5014.16	3.39	0.23	3.38
13406.00	90.490	157.780	7491.00	6226.00	7514.10	-5600.15	5050.86	4.83	0.45	4.81
13496.00	90.490	157.690	7490.23	6225.23	7601.06	-5683.44	5084.96	0.10	0.00	-0.10
13585.00	89.260	156.200	7490.42	6225.42	7687.37	-5765.32	5119.81	2.17	-1.38	-1.67
13675.00	88.520	157.790	7492.17	6227.17	7774.62	-5848.15	5154.97	1.95	-0.82	1.77
13765.00	87.380	159.880	7495.39	6230.39	7861.07	-5932.02	5187.45	2.64	-1.27	2.32
13854.00	87.540	158.220	7499.33	6234.33	7946.44	-6015.05	5219.24	1.87	0.18	-1.87
13944.00	87.910	157.470	7502.90	6237.90	8033.30	-6098.34	5253.15	0.93	0.41	-0.83
14033.00	88.340	160.230	7505.82	6240.82	8118.78	-6181.29	5285.24	3.14	0.48	3.10
14123.00	88.550	160.670	7508.26	6243.26	8204.53	-6266.07	5315.35	0.54	0.23	0.49
14213.00	87.850	157.290	7511.09	6246.09	8290.92	-6350.03	5347.61	3.83	-0.78	-3.76
14302.00	87.780	151.540	7514.48	6249.48	8378.01	-6430.21	5386.00	6.46	-0.08	-6.46
14392.00	88.210	150.610	7517.63	6252.63	8467.02	-6508.93	5429.50	1.14	0.48	-1.03
14481.00	88.090	159.190	7520.51	6255.51	8553.93	-6589.41	5467.20	9.64	-0.13	9.64
14571.00	87.410	161.060	7524.04	6259.04	8639.79	-6673.98	5497.77	2.21	-0.76	2.08
14661.00	87.440	161.380	7528.09	6263.09	8725.11	-6759.10	5526.72	0.36	0.03	0.36
14750.00	87.200	162.010	7532.25	6267.25	8809.23	-6843.50	5554.64	0.76	-0.27	0.71
14840.00	87.230	158.090	7536.62	6271.62	8895.08	-6927.99	5585.30	4.35	0.03	-4.36
14929.00	87.320	155.510	7540.86	6275.86	8981.34	-7009.69	5620.32	2.90	0.10	-2.90
15019.00	87.230	157.880	7545.13	6280.13	9068.62	-7092.25	5655.89	2.63	-0.10	2.63
15198.00	88.030	154.560	7552.54	6287.54	9242.58	-7255.89	5727.99	1.91	0.45	-1.85

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# Actual Wellpath Report

Big 464 516784 AWP Proj: 15914'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 516784
Area	Wetzel County, WV	Well	Big 464 516784
Field	Wetzel	Wellbore	Big 464 516784 AWB
Facility	Big 464 Pad		

WELLPATH DATA (189 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]
15288.00	87.880	155.340	7555.75	6290.75	9330.51	-7337.37	5766.07	0.88	-0.17	0.87
15377.00	89.910	152.440	7557.47	6292.47	9417.83	-7417.26	5805.23	3.98	2.28	-3.26
15467.00	90.490	150.520	7557.15	6292.15	9506.80	-7496.33	5848.20	2.23	0.64	-2.13
15557.00	89.420	151.420	7557.22	6292.22	9595.89	-7575.02	5891.87	1.55	-1.19	1.00
15646.00	89.450	153.180	7558.10	6293.10	9683.67	-7653.82	5933.24	1.98	0.03	1.98
15736.00	88.550	156.430	7559.67	6294.67	9771.69	-7735.23	5971.54	3.75	-1.00	3.61
15825.00	88.620	161.350	7561.87	6296.87	9857.16	-7818.21	6003.58	5.53	0.08	5.53
15889.00	88.310	164.430	7563.59	6298.59	9917.25	-7879.34	6022.40	4.84	-0.48	4.81
15914.00	88.310	164.430	7564.32	6299.32	9940.48	-7903.42	6029.10	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: Big 464 516784 AWB Ref Wellpath: Big 464 516784 AWP Proj: 15914'										
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	1032.00	1014.00	18.00	1031.99	0.00	0.00	-2.27	1.53	
13.375in Casing Surface	18.00	1032.00	1014.00	18.00	1031.99	0.00	0.00	-2.27	1.53	
12.25in Open Hole	1032.00	2853.00	1821.00	1031.99	2852.85	-2.27	1.53	-12.87	20.30	
9.625in Casing Intermediate	18.00	2853.00	2835.00	18.00	2852.85	0.00	0.00	-12.87	20.30	
8.75in Open Hole	2853.00	5489.00	2636.00	2852.85	5001.37	-12.87	20.30	-519.07	1278.89	
8.5in Open Hole	5489.00	15914.00	10425.00	5001.37	7564.32	-519.07	1278.89	-7903.42	6029.10	
5.5in Casing Production	18.00	15914.00	15896.00	18.00	7564.32	0.00	0.00	-7903.42	6029.10	

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Big 464 516784 AWP Proj: 15914'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 516784
Area	Wetzel County, WV	Well	Big 464 516784
Field	Wetzel	Wellbore	Big 464 516784 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 516784 BHL Rev-2	7598.88	-7918.63	6004.54	1719402.71	382504.01	39°32'45.351"N	80°29'42.157"W	point
Big 464 516784 LP Rev-2	7615.00	-1660.25	3348.01	1716746.35	388762.01	39°33'46.908"N	80°30'16.959"W	point
Big 464 HL	7800.00	-29.09	-5.99	1713392.55	390393.07	39°34'02.656"N	80°31'00.017"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: Big 464 516784 AWB Ref Wellpath: Big 464 516784 AWP Proj: 15914'				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	3067.00	Gyrodata standard - Drop gyro or Multi-shot	01 Gyrodata MS Gyro <12-1/4"> (105'-3067')	Big 464 516784 AWB
3067.00	5413.00	OWSG MWD rev2 - Standard	02 SDI MWD <8-3/4"> (3067')(3082'-5413')	Big 464 516784 AWB
5413.00	15889.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	03 BH AT Curve+SurCon MSA <8-1/2"> (5414')(5462'-15889')	Big 464 516784 AWB
15889.00	15914.00	Blind Drilling (std)	Projection to bit	Big 464 516784 AWB

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User specified Dip: 66.95° Field: 52168 nT  
 Magnetic North is 8.62 degrees West of True North (at 7/10/2018)  
 Grid North is 0.65 degrees West of True North  
 To correct azimuth from True to Grid add 0.65 degrees  
 To correct azimuth from Magnetic to Grid subtract 7.97 degrees

