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Actual Wellpath Report

Big 333 519711 AWP Proj: 12014'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 519711
Area	Wetzel County, WV	Well	Big 333 519711
Field	Wetzel	Wellbore	Big 333 519711 AWB
Facility	Big 333 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	0.999942	Report Generated	6/24/2019 at 11:06
Convergence at slot	0.70° West	Database/Source file	WA_MPL_EASTERNUS_Defn/Big_333_519711_AWP_Proj_12014_.xml

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	39.25	23.42	1692005.33	375168.96	39°31'29.712"N	80°35'30.746"W
Facility Reference Pt			1691981.91	375129.71	39°31'29.321"N	80°35'31.039"W
Field Reference Pt			1688243.35	385255.46	39°33'08.944"N	80°36'20.337"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Pioneer 72 (RKB) to Facility Vertical Datum	1475.00ft
Horizontal Reference Pt	Slot	Pioneer 72 (RKB) to Mean Sea Level	1475.00ft
Vertical Reference Pt	Pioneer 72 (RKB)	Pioneer 72 (RKB) to Mud Line at Slot (Slot 519711)	23.00ft
MD Reference Pt	Pioneer 72 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	311.27°

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WELLPATH DATA (132 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	120.690	0.00	-1475.00	0.00	0.00	0.00	0.00	0.00	0.00
23.00	0.000	120.690	23.00	-1452.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.120	120.690	100.00	-1375.00	-0.08	-0.04	0.07	0.16	0.16	156.74
200.00	0.120	159.500	200.00	-1275.00	-0.27	-0.19	0.20	0.08	0.00	38.81
300.00	0.130	171.370	300.00	-1175.00	-0.45	-0.40	0.25	0.03	0.01	11.87
400.00	0.040	204.270	400.00	-1075.00	-0.55	-0.55	0.25	0.10	-0.09	32.90
500.00	0.020	311.400	500.00	-975.00	-0.54	-0.57	0.22	0.05	-0.02	107.13
600.00	0.030	124.420	600.00	-875.00	-0.55	-0.57	0.23	0.05	0.01	173.02
700.00	0.130	55.950	700.00	-775.00	-0.61	-0.52	0.35	0.12	0.10	-68.47
800.00	0.150	69.460	800.00	-675.00	-0.70	-0.41	0.57	0.04	0.02	13.51
900.00	0.140	102.810	900.00	-575.00	-0.87	-0.39	0.81	0.08	-0.01	33.35
1000.00	0.180	128.790	1000.00	-475.00	-1.13	-0.52	1.05	0.08	0.04	25.98
1100.00	0.150	128.450	1100.00	-375.00	-1.42	-0.70	1.27	0.03	-0.03	-0.34
1200.00	0.120	80.180	1200.00	-275.00	-1.61	-0.76	1.48	0.11	-0.03	-48.27
1300.00	0.170	81.860	1300.00	-175.00	-1.78	-0.72	1.73	0.05	0.05	1.68
1400.00	0.180	106.360	1400.00	-75.00	-2.02	-0.75	2.03	0.07	0.01	24.50
1500.00	0.130	121.370	1500.00	25.00	-2.27	-0.85	2.27	0.06	-0.05	15.01
1600.00	0.210	122.140	1600.00	125.00	-2.56	-1.01	2.53	0.08	0.08	0.77
1700.00	0.390	120.750	1699.99	224.99	-3.08	-1.28	2.97	0.18	0.18	-1.39
1800.00	0.650	119.560	1799.99	324.99	-3.97	-1.73	3.76	0.26	0.26	-1.19
1900.00	0.740	122.730	1899.98	424.98	-5.16	-2.36	4.80	0.10	0.09	3.17
2000.00	1.100	142.070	1999.97	524.97	-6.74	-3.47	5.93	0.47	0.36	19.34
2100.00	3.310	161.940	2099.89	624.89	-10.17	-6.97	7.42	2.31	2.21	19.87
2200.00	5.910	161.290	2199.56	724.56	-17.11	-14.59	9.96	2.60	2.60	-0.65
2300.00	7.600	161.140	2298.86	823.86	-27.31	-25.73	13.75	1.69	1.69	-0.15
2400.00	8.450	162.030	2397.88	922.88	-39.35	-38.97	18.16	0.86	0.85	0.89
2500.00	9.150	168.680	2496.71	1021.71	-51.98	-53.76	21.98	1.23	0.70	6.65
2600.00	7.670	215.960	2595.74	1120.74	-58.92	-66.97	19.62	6.86	-1.48	47.28
2700.00	6.620	245.820	2695.00	1220.00	-57.15	-74.74	10.44	3.81	-1.05	29.86
2800.00	5.100	264.570	2794.48	1319.48	-51.70	-77.52	0.76	2.43	-1.52	18.75

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2900.00	2.500	272.560	2894.25	1419.25	-46.95	-77.84	-5.85	2.65	-2.60	7.99	
3000.00	0.370	297.110	2994.22	1519.22	-44.94	-77.60	-8.31	2.17	-2.13	24.55	
3100.00	0.730	70.700	3094.21	1619.21	-44.94	-77.24	-8.00	1.02	0.36	133.59	
3200.00	0.710	66.450	3194.21	1719.21	-45.51	-76.78	-6.83	0.06	-0.02	-4.25	
3300.00	0.280	39.730	3294.20	1819.20	-45.77	-76.35	-6.11	0.48	-0.43	-26.72	
3400.00	0.240	29.020	3394.20	1919.20	-45.72	-75.98	-5.85	0.06	-0.04	-10.71	
3500.00	0.350	33.070	3494.20	2019.20	-45.63	-75.54	-5.58	0.11	0.11	4.05	
3600.00	0.270	24.410	3594.20	2119.20	-45.52	-75.07	-5.32	0.09	-0.08	-8.66	
3700.00	0.230	15.830	3694.20	2219.20	-45.36	-74.66	-5.16	0.05	-0.04	-8.58	
3800.00	0.230	2.400	3794.20	2319.20	-45.15	-74.27	-5.10	0.05	0.00	-13.43	
3900.00	0.160	351.240	3894.20	2419.20	-44.92	-73.93	-5.11	0.08	-0.07	-11.16	
4000.00	0.180	338.490	3994.19	2519.19	-44.67	-73.64	-5.19	0.04	0.02	-12.75	
4100.00	0.200	329.200	4094.19	2619.19	-44.37	-73.35	-5.34	0.04	0.02	-9.29	
4200.00	0.200	308.710	4194.19	2719.19	-44.03	-73.09	-5.57	0.07	0.00	-20.49	
4300.00	0.250	299.740	4294.19	2819.19	-43.64	-72.87	-5.89	0.06	0.05	-8.97	
4400.00	0.260	300.800	4394.19	2919.19	-43.20	-72.65	-6.28	0.01	0.01	1.06	
4500.00	0.280	301.780	4494.19	3019.19	-42.74	-72.40	-6.68	0.02	0.02	0.98	
4600.00	0.310	297.060	4594.19	3119.19	-42.23	-72.15	-7.13	0.04	0.03	-4.72	
4700.00	0.280	279.560	4694.19	3219.19	-41.76	-71.99	-7.61	0.09	-0.03	-17.50	
4800.00	0.270	275.600	4794.19	3319.19	-41.36	-71.92	-8.08	0.02	-0.01	-3.96	
4900.00	0.230	283.450	4894.19	3419.19	-41.00	-71.85	-8.51	0.05	-0.04	7.85	
5000.00	0.190	27.190	4994.19	3519.19	-40.78	-71.66	-8.63	0.33	-0.04	103.74	
5100.00	0.320	22.010	5094.18	3619.18	-40.65	-71.25	-8.45	0.13	0.13	-5.18	
5200.00	0.380	26.410	5194.18	3719.18	-40.47	-70.70	-8.20	0.07	0.06	4.40	
5300.00	0.980	89.090	5294.18	3819.18	-41.02	-70.39	-7.20	0.87	0.60	62.68	
5400.00	1.420	114.440	5394.15	3919.15	-42.84	-70.88	-5.21	0.68	0.44	25.35	
5453.00	1.700	120.400	5447.14	3972.14	-44.24	-71.55	-3.94	0.61	0.53	11.25	
5500.00	1.390	128.030	5494.12	4019.12	-45.49	-72.26	-2.89	0.79	-0.66	16.23	
5545.00	3.070	200.130	5539.09	4064.09	-46.47	-73.73	-2.87	6.57	3.73	160.22	
5595.00	7.340	215.620	5588.87	4113.87	-47.27	-77.58	-5.20	8.91	8.54	30.98	

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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]	
5640.00	11.810	221.480	5633.24	4158.24	-47.54	-83.37	-9.92	10.15	9.93	13.02	
5690.00	15.160	221.740	5681.85	4206.85	-47.46	-92.09	-17.67	6.70	6.70	0.52	
5735.00	18.680	218.880	5724.90	4249.90	-47.71	-102.09	-26.11	8.04	7.82	-6.36	
5784.00	22.560	217.150	5770.75	4295.75	-48.72	-115.70	-36.72	8.01	7.92	-3.53	
5831.00	26.170	216.800	5813.56	4338.56	-50.17	-131.19	-48.37	7.69	7.68	-0.74	
5879.00	29.820	217.430	5855.93	4380.93	-51.80	-149.14	-61.97	7.63	7.60	1.31	
5926.00	33.110	217.550	5896.02	4421.02	-53.41	-168.61	-76.90	7.00	7.00	0.26	
5974.00	37.440	218.080	5935.19	4460.19	-55.08	-190.50	-93.90	9.04	9.02	1.10	
6069.00	41.300	221.040	6008.63	4533.63	-56.81	-236.89	-132.31	4.52	4.06	3.12	
6164.00	41.390	223.010	6079.95	4604.95	-55.98	-283.51	-174.32	1.37	0.09	2.07	
6259.00	41.280	221.280	6151.29	4676.29	-55.02	-330.02	-216.42	1.21	-0.12	-1.82	
6354.00	41.140	218.830	6222.76	4747.76	-56.35	-377.92	-256.69	1.71	-0.15	-2.58	
6449.00	41.310	219.960	6294.21	4819.21	-58.40	-426.30	-296.42	0.80	0.18	1.19	
6544.00	41.190	220.870	6365.64	4890.64	-59.33	-473.99	-337.03	0.64	-0.13	0.96	
6639.00	41.120	219.630	6437.17	4962.17	-60.44	-521.71	-377.43	0.86	-0.07	-1.31	
6734.00	41.180	218.060	6508.70	5033.70	-63.09	-570.39	-416.63	1.09	0.06	-1.65	
6829.00	41.310	219.470	6580.14	5105.14	-65.83	-619.22	-455.85	0.99	0.14	1.48	
6924.00	41.270	220.330	6651.52	5176.52	-67.33	-667.31	-496.06	0.60	-0.04	0.91	
7019.00	41.180	222.570	6722.97	5247.97	-67.13	-714.23	-537.49	1.56	-0.09	2.36	
7114.00	41.320	223.330	6794.40	5319.40	-65.29	-760.08	-580.17	0.55	0.15	0.80	
7209.00	41.380	222.960	6865.71	5390.71	-63.24	-805.87	-623.09	0.26	0.06	-0.39	
7304.00	41.280	222.130	6937.05	5462.05	-61.84	-852.09	-665.51	0.59	-0.11	-0.87	
7399.00	41.180	221.060	7008.50	5533.50	-61.49	-898.92	-707.08	0.75	-0.11	-1.13	
7494.00	40.980	221.090	7080.11	5605.11	-61.70	-945.98	-748.09	0.21	-0.21	0.03	
7589.00	39.730	230.200	7152.57	5677.57	-57.08	-988.93	-791.93	6.34	-1.32	9.59	
7684.00	39.750	241.910	7225.72	5750.72	-41.64	-1022.71	-842.13	7.87	0.02	12.33	
7779.00	41.090	255.560	7298.19	5823.19	-13.29	-1044.84	-899.27	9.41	1.41	14.37	
7874.00	44.610	270.870	7368.02	5893.02	29.84	-1052.14	-963.05	11.55	3.71	16.12	
7969.00	49.790	286.660	7432.76	5957.76	88.46	-1041.19	-1031.44	13.33	5.45	16.62	
8064.00	56.980	294.000	7489.43	6014.43	159.63	-1014.53	-1102.73	9.78	7.57	7.73	

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8159.00	64.250	301.610	7536.07	6061.07	240.03	-975.82	-1175.73	10.35	7.65	8.01
8253.00	69.200	311.940	7573.29	6098.29	325.95	-924.11	-1244.66	11.38	5.27	10.99
8348.00	73.040	323.330	7604.11	6129.11	415.08	-857.77	-1305.03	12.04	4.04	11.99
8444.00	79.040	327.580	7627.27	6152.27	505.33	-781.06	-1357.78	7.58	6.25	4.43
8539.00	87.410	327.780	7638.47	6163.47	595.74	-701.41	-1408.17	8.81	8.81	0.21
8633.00	89.080	329.270	7641.35	6166.35	685.46	-621.28	-1457.23	2.38	1.78	1.59
8729.00	89.230	327.350	7642.76	6167.76	777.23	-539.61	-1507.65	2.01	0.16	-2.00
8823.00	90.550	330.390	7642.94	6167.94	866.82	-459.16	-1556.24	3.53	1.40	3.23
8919.00	91.140	330.270	7641.53	6166.53	957.55	-375.75	-1603.75	0.63	0.61	-0.13
9014.00	90.800	331.360	7639.92	6164.92	1047.06	-292.83	-1650.07	1.20	-0.36	1.15
9109.00	90.280	329.720	7639.02	6164.02	1136.73	-210.12	-1696.79	1.81	-0.55	-1.73
9204.00	90.310	331.230	7638.54	6163.54	1226.44	-127.46	-1743.60	1.59	0.03	1.59
9299.00	90.920	331.720	7637.52	6162.52	1315.59	-44.00	-1788.97	0.82	0.64	0.52
9394.00	90.090	331.080	7636.68	6161.68	1404.78	39.41	-1834.44	1.10	-0.87	-0.67
9489.00	90.180	329.240	7636.45	6161.45	1494.66	121.81	-1881.71	1.94	0.09	-1.94
9583.00	89.940	328.310	7636.36	6161.36	1584.30	202.19	-1930.44	1.02	-0.26	-0.99
9678.00	90.000	328.460	7636.41	6161.41	1675.10	283.09	-1980.24	0.17	0.06	0.16
9773.00	90.770	331.310	7635.77	6160.77	1765.11	365.26	-2027.90	3.11	0.81	3.00
9868.00	90.680	333.980	7634.56	6159.56	1853.56	449.62	-2071.54	2.81	-0.09	2.81
9963.00	90.430	334.430	7633.64	6158.64	1941.05	535.15	-2112.88	0.54	-0.26	0.47
10058.00	90.800	333.450	7632.62	6157.62	2028.70	620.49	-2154.61	1.10	0.39	-1.03
10153.00	91.080	331.740	7631.07	6156.07	2117.18	704.81	-2198.33	1.82	0.29	-1.80
10248.00	90.550	329.510	7629.71	6154.71	2206.80	787.58	-2244.92	2.41	-0.56	-2.35
10343.00	90.740	328.190	7628.65	6153.65	2297.36	868.88	-2294.06	1.40	0.20	-1.39
10438.00	90.400	330.540	7627.70	6152.70	2387.65	950.61	-2342.46	2.50	-0.36	2.47
10533.00	90.460	338.990	7626.99	6151.99	2474.69	1036.46	-2382.93	8.89	0.06	8.89
10628.00	89.690	340.150	7626.86	6151.86	2558.33	1125.48	-2416.09	1.47	-0.81	1.22
10723.00	89.540	343.550	7627.50	6152.50	2640.11	1215.74	-2445.67	3.58	-0.16	3.58
10818.00	89.660	348.520	7628.16	6153.16	2718.12	1307.90	-2468.59	5.23	0.13	5.23
10913.00	90.430	352.380	7628.09	6153.09	2791.75	1401.57	-2484.35	4.14	0.81	4.06

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11008.00	90.220	349.750	7627.55	6152.55	2864.73	1495.40	-2499.10	2.78	-0.22	-2.77
11103.00	90.550	347.290	7626.91	6151.91	2940.34	1588.49	-2518.01	2.61	0.35	-2.59
11198.00	89.690	342.620	7626.71	6151.71	3019.37	1680.21	-2542.66	5.00	-0.91	-4.92
11293.00	90.060	342.470	7626.92	6151.92	3100.57	1770.84	-2571.16	0.42	0.39	-0.16
11388.00	89.720	340.540	7627.10	6152.10	3182.64	1860.93	-2601.29	2.06	-0.36	-2.03
11483.00	89.780	341.220	7627.52	6152.52	3265.23	1950.68	-2632.41	0.72	0.06	0.72
11578.00	90.000	342.230	7627.70	6152.70	3347.12	2040.89	-2662.20	1.09	0.23	1.06
11673.00	90.400	342.920	7627.37	6152.37	3428.29	2131.53	-2690.65	0.84	0.42	0.73
11768.00	91.750	341.430	7625.59	6150.59	3509.78	2221.95	-2719.72	2.12	1.42	-1.57
11863.00	91.420	338.580	7622.96	6147.96	3593.04	2311.18	-2752.19	3.02	-0.35	-3.00
11958.00	90.520	337.390	7621.35	6146.35	3677.89	2399.24	-2787.79	1.57	-0.95	-1.25
12014.00	90.520	337.390	7620.84	6145.84	3728.17	2450.93	-2809.32	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: Big 333 519711 AWB Ref Wellpath: Big 333 519711 AWP Proj: 12014'									
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]
26in Conductor	23.00	63.00	40.00	23.00	63.00	0.00	0.00	-0.01	0.02
17.5in Open Hole	63.00	1009.00	946.00	63.00	1009.00	-0.01	0.02	-0.54	1.07
13.375in Casing Surface	23.00	1009.00	986.00	23.00	1009.00	0.00	0.00	-0.54	1.07
12.25in Open Hole	1009.00	3047.00	2038.00	1009.00	3041.22	-0.54	1.07	-77.45	-8.39
9.625in Casing Intermediate	23.00	3047.00	3024.00	23.00	3041.22	0.00	0.00	-77.45	-8.39
8.75in Open Hole	3047.00	5500.00	2453.00	3041.22	5494.12	-77.45	-8.39	-72.26	-2.89
8.5in Open Hole	5500.00	12014.00	6514.00	5494.12	7620.84	-72.26	-2.89	2450.93	-2809.32
5.5in Casing Production	23.00	12014.00	11991.00	23.00	7620.84	0.00	0.00	2450.93	-2809.32

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Actual Wellpath Report

Big 333 519711 AWP Proj: 12014'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 519711
Area	Wetzel County, WV	Well	Big 333 519711
Field	Wetzel	Wellbore	Big 333 519711 AWB
Facility	Big 333 Pad		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Big 333 519711 BHL Rev-1	7612.90	2458.43	-2801.39	1689204.11	377627.24	39°31'53.670"N	80°36'06.877"W	point
Big 333 519711 LP Rev-1	7637.00	-681.20	-1421.09	1690584.33	374487.80	39°31'22.809"N	80°35'48.773"W	point
Big 333 HL1 Rev-1	7700.00	0.00	0.00	1692005.33	375168.96	39°31'29.712"N	80°35'30.746"W	polygon
Big 333 HL2 Rev-2	7700.00	0.00	0.00	1692005.33	375168.96	39°31'29.712"N	80°35'30.746"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: Big 333 519711 AWB Ref Wellpath: Big 333 519711 AWP Proj: 12014'				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
23.00	5453.00	Gyrodata standard - Continuous gyro	01_Gyrodata Cont Gyro <8-3/4">(100'-5453')	Big 333 519711 AWB
5453.00	11958.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	02_BH AT Curve+MagVar MSA <8-1/2">(5453')(5500'-11958')	Big 333 519711 AWB
11958.00	12014.00	Blind Drilling (std)	Projection to bit	Big 333 519711 AWB

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