



API 47-095-02506

Actual Wellpath Report

WEU4 512894 AWP Proj: 11599'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 512894
Area	Tyler County, WV	Well	WEU4 512894
Field	Tyler	Wellbore	WEU4 512894 AWB
Facility	WEU4 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	0.999951	Report Generated	2/4/2019 at 2:30:00 PM
Convergence at slot	0.84° West	Database/Source file	WA_MPL_EASTERNUS_Defn/WEU4_512894_AWP_Proj_11599_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-139.98	53.92	1626596.43	318308.32	39°21'59.070"N	80°49'14.741"W
Facility Reference Pt			1626542.51	318448.29	39°22'00.446"N	80°49'15.454"W
Field Reference Pt			609601.22	0.00	38°23'48.753"N	84°21'09.765"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Precision 539 (RKB) to Facility Vertical Datum	1097.00ft
Horizontal Reference Pt	Slot	Precision 539 (RKB) to Mean Sea Level	1097.00ft
Vertical Reference Pt	Precision 539 (RKB)	Precision 539 (RKB) to Ground Level at Slot (Slot 512894)	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	150.88°

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WELLPATH DATA (133 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]	Build Rate [°/100ft]	Turn Rate [°/100ft]
0.00†	0.000	60.050	0.00	0.00	0.00	0.00	1626596.43	318308.32	39°21'59.070"N	80°49'14.741"W	0.00	0.000	0.00	0.00	0.00
18.00	0.000	60.050	18.00	0.00	0.00	0.00	1626596.43	318308.32	39°21'59.070"N	80°49'14.741"W	0.00	0.000	0.00	0.00	0.00
105.00	0.370	60.050	105.00	0.00	0.14	0.24	1626596.67	318308.46	39°21'59.072"N	80°49'14.738"W	0.28	60.050	0.43	0.43	89.02
205.00	0.350	61.620	205.00	0.00	0.45	0.79	1626597.22	318308.77	39°21'59.075"N	80°49'14.731"W	0.91	80.577	0.02	-0.02	1.57
305.00	0.370	69.270	305.00	0.05	0.71	1.36	1626597.79	318309.03	39°21'59.077"N	80°49'14.724"W	1.53	62.607	0.05	0.02	7.85
405.00	0.440	82.700	404.99	0.24	0.87	2.05	1626598.48	318309.19	39°21'59.079"N	80°49'14.715"W	2.22	66.978	0.12	0.07	13.43
505.00	0.490	87.110	504.99	0.57	0.94	2.85	1626599.28	318309.26	39°21'59.080"N	80°49'14.705"W	3.00	71.775	0.06	0.05	4.41
605.00	0.660	97.290	604.98	1.10	0.89	3.85	1626600.28	318309.21	39°21'59.080"N	80°49'14.692"W	3.95	77.018	0.20	0.17	10.18
705.00	0.680	97.550	704.98	1.79	0.74	5.01	1626601.44	318309.06	39°21'59.078"N	80°49'14.678"W	5.07	81.634	0.02	0.02	0.26
805.00	0.440	111.390	804.97	2.45	0.52	5.96	1626602.39	318308.84	39°21'59.076"N	80°49'14.666"W	5.98	85.021	0.27	-0.24	13.84
905.00	3.430	240.390	904.92	2.77	-1.10	3.71	1626600.14	318307.22	39°21'59.060"N	80°49'14.694"W	3.87	106.499	3.72	2.99	129.00
1005.00	8.080	232.900	1004.39	3.77	-6.82	-4.50	1626591.93	318301.50	39°21'59.002"N	80°49'14.797"W	8.17	213.404	4.70	4.65	-7.49
1105.00	8.190	231.530	1103.38	5.90	-15.49	-15.68	1626580.75	318292.83	39°21'58.915"N	80°49'14.936"W	22.04	225.348	0.22	0.11	-1.37
1205.00	6.620	233.130	1202.54	7.84	-23.38	-25.87	1626570.56	318284.94	39°21'58.835"N	80°49'15.066"W	34.87	227.892	1.58	-1.57	1.60
1305.00	5.210	240.270	1302.01	8.86	-29.09	-34.42	1626562.01	318279.23	39°21'58.778"N	80°49'15.174"W	45.07	229.798	1.59	-1.41	7.14
1405.00	5.930	234.600	1401.54	9.28	-34.34	-42.58	1626553.86	318273.99	39°21'58.725"N	80°49'15.277"W	54.70	231.116	0.91	0.72	-5.67
1505.00	5.770	222.780	1501.02	11.40	-41.02	-50.20	1626546.23	318267.30	39°21'58.658"N	80°49'15.373"W	64.83	230.749	1.21	-0.16	-11.82
1605.00	6.540	218.190	1600.44	15.16	-49.18	-57.14	1626539.30	318259.14	39°21'58.576"N	80°49'15.459"W	75.39	229.278	0.91	0.77	-4.59
1705.00	7.640	223.360	1699.68	19.36	-58.49	-65.22	1626531.21	318249.83	39°21'58.483"N	80°49'15.561"W	87.61	228.114	1.27	1.10	5.17
1805.00	6.710	228.160	1798.90	22.65	-67.22	-74.14	1626522.30	318241.10	39°21'58.395"N	80°49'15.673"W	100.08	227.800	1.11	-0.93	4.79
1905.00	6.770	228.270	1898.20	25.22	-75.04	-82.89	1626513.55	318233.28	39°21'58.317"N	80°49'15.782"W	111.81	227.843	0.06	0.06	0.12
2005.00	4.990	230.430	1997.67	27.30	-81.74	-90.64	1626505.79	318226.59	39°21'58.249"N	80°49'15.880"W	122.05	227.956	1.79	-1.78	2.16
2105.00	2.560	245.510	2097.45	27.91	-85.44	-96.03	1626500.41	318222.89	39°21'58.212"N	80°49'15.948"W	128.53	228.340	2.60	-2.43	15.08
2205.00	1.080	290.810	2197.40	27.01	-86.03	-98.94	1626497.50	318222.30	39°21'58.208"N	80°49'15.985"W	131.11	228.994	1.96	-1.48	45.30
2305.00	0.560	347.980	2297.39	25.82	-85.21	-99.92	1626496.51	318223.11	39°21'58.214"N	80°49'15.997"W	131.32	229.542	0.91	-0.52	57.17
2405.00	0.780	95.030	2397.39	25.73	-84.80	-99.35	1626497.09	318223.53	39°21'58.218"N	80°49'15.990"W	130.61	229.518	1.09	0.22	107.05
2505.00	0.840	97.060	2497.38	26.55	-84.95	-97.94	1626498.49	318223.38	39°21'58.217"N	80°49'15.972"W	129.65	229.064	0.07	0.06	2.03
2605.00	0.450	139.150	2597.37	27.36	-85.33	-96.96	1626499.48	318222.99	39°21'58.213"N	80°49'15.960"W	129.16	228.648	0.59	-0.39	42.09
2705.00	0.360	171.320	2697.37	28.04	-85.94	-96.65	1626499.78	318222.38	39°21'58.207"N	80°49'15.956"W	129.33	228.358	0.24	-0.09	32.17
2805.00	0.370	173.440	2797.37	28.84	-86.57	-96.57	1626499.87	318221.75	39°21'58.201"N	80°49'15.954"W	129.69	228.124	0.02	0.01	2.12

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Field	Tyler	Wellbore	WEU4 512894 AWB
Facility	WEU4 Pad		

WELLPATH DATA (133 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)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2905.00	0.380	173.100	2897.37	29.24	-87.22	-96.49	1626499.94	318221.10	39°21'58.194"N	80°49'15.953"W	130.07	227.889	0.01	0.01	-0.34
3005.00	0.340	188.220	2997.37	29.78	-87.84	-96.49	1626499.94	318220.48	39°21'58.188"N	80°49'15.953"W	130.49	227.686	0.10	-0.04	15.12
3105.00	0.360	185.650	3097.36	30.28	-88.45	-96.57	1626499.87	318219.87	39°21'58.182"N	80°49'15.954"W	130.95	227.512	0.03	0.02	-2.57
3205.00	0.380	189.330	3197.36	30.79	-89.09	-96.65	1626499.78	318219.23	39°21'58.176"N	80°49'15.955"W	131.45	227.331	0.03	0.02	3.68
3305.00	0.280	196.720	3297.36	31.22	-89.65	-96.78	1626499.65	318218.68	39°21'58.170"N	80°49'15.957"W	131.92	227.192	0.11	-0.10	9.39
3405.00	0.240	220.290	3397.36	31.46	-90.04	-97.00	1626499.44	318218.28	39°21'58.166"N	80°49'15.959"W	132.35	227.130	0.10	-0.04	21.57
3505.00	0.290	238.950	3497.36	31.54	-90.33	-97.35	1626499.08	318217.99	39°21'58.163"N	80°49'15.964"W	132.80	227.142	0.10	0.05	18.66
3605.00	0.230	242.100	3597.36	31.54	-90.56	-97.74	1626498.69	318217.77	39°21'58.161"N	80°49'15.969"W	133.24	227.186	0.06	-0.06	3.15
3705.00	0.280	235.840	3697.36	31.56	-90.79	-98.12	1626498.31	318217.54	39°21'58.159"N	80°49'15.973"W	133.68	227.224	0.06	0.05	-6.26
3805.00	0.230	231.660	3797.36	31.61	-91.05	-98.48	1626497.95	318217.28	39°21'58.156"N	80°49'15.978"W	134.12	227.247	0.05	-0.05	-4.16
3905.00	0.240	224.090	3897.35	31.71	-91.32	-98.79	1626497.85	318217.00	39°21'58.153"N	80°49'15.982"W	134.53	227.248	0.03	0.01	-7.57
4005.00	0.380	86.910	3997.35	31.91	-91.46	-98.60	1626497.83	318216.87	39°21'58.152"N	80°49'15.979"W	134.49	227.153	0.58	0.14	-137.18
4105.00	0.370	112.230	4097.35	32.31	-91.56	-97.97	1626498.46	318216.76	39°21'58.151"N	80°49'15.971"W	134.10	226.938	0.16	-0.01	25.32
4205.00	0.260	148.750	4197.35	32.79	-91.88	-97.55	1626498.88	318216.45	39°21'58.148"N	80°49'15.966"W	134.01	226.717	0.22	-0.11	36.52
4305.00	0.260	165.350	4297.35	33.24	-92.29	-97.38	1626499.06	318216.04	39°21'58.144"N	80°49'15.964"W	134.16	226.537	0.08	0.00	16.80
4405.00	0.260	162.030	4397.35	33.68	-92.72	-97.25	1626499.18	318215.60	39°21'58.140"N	80°49'15.962"W	134.37	226.365	0.02	0.00	-3.32
4505.00	0.280	171.300	4497.35	34.13	-93.18	-97.15	1626499.29	318215.14	39°21'58.135"N	80°49'15.961"W	134.61	226.193	0.05	0.02	9.27
4605.00	0.370	179.880	4597.35	34.64	-93.75	-97.11	1626499.33	318214.58	39°21'58.130"N	80°49'15.960"W	134.98	226.009	0.10	0.09	8.58
4705.00	0.650	176.880	4697.34	35.43	-94.64	-97.08	1626499.36	318213.69	39°21'58.121"N	80°49'15.959"W	135.57	225.729	0.28	0.28	-3.00
4805.00	0.740	177.170	4797.33	36.52	-95.85	-97.01	1626499.42	318212.48	39°21'58.109"N	80°49'15.958"W	136.38	225.346	0.09	0.09	0.29
4905.00	0.590	175.910	4897.33	37.57	-97.01	-96.94	1626499.49	318211.32	39°21'58.098"N	80°49'15.957"W	137.14	224.982	0.15	-0.15	-1.26
5005.00	0.440	156.820	4997.32	38.42	-97.87	-96.76	1626499.68	318210.45	39°21'58.089"N	80°49'15.955"W	137.63	224.672	0.23	-0.15	-19.09
5105.00	0.510	127.980	5097.32	39.21	-98.50	-96.25	1626500.18	318209.83	39°21'58.083"N	80°49'15.948"W	137.72	224.340	0.25	0.07	-28.84
5205.00	1.380	106.930	5197.31	40.48	-99.12	-94.75	1626501.68	318209.20	39°21'58.077"N	80°49'15.929"W	137.13	223.708	0.92	0.87	-21.05
5305.00	1.570	106.060	5297.27	42.32	-99.85	-92.28	1626504.15	318208.47	39°21'58.070"N	80°49'15.897"W	135.97	222.744	0.19	0.19	-0.87
5405.00	1.520	104.360	5397.24	44.21	-100.56	-89.68	1626506.75	318207.76	39°21'58.063"N	80°49'15.864"W	134.74	221.727	0.07	-0.05	-1.70
5484.00	1.310	106.950	5476.21	45.58	-101.08	-87.80	1626508.83	318207.24	39°21'58.059"N	80°49'15.840"W	133.89	220.978	0.28	-0.27	3.28
5493.00	1.250	107.950	5485.21	45.72	-101.14	-87.61	1626508.82	318207.18	39°21'58.058"N	80°49'15.838"W	133.81	220.899	0.71	-0.67	11.11
5557.00	4.460	29.080	5549.14	44.92	-99.18	-85.74	1626510.70	318209.14	39°21'58.078"N	80°49'15.814"W	131.10	220.841	6.86	5.02	-123.23
5647.00	14.450	19.300	5637.81	35.60	-85.49	-80.31	1626516.12	318222.83	39°21'58.214"N	80°49'15.748"W	117.30	223.210	11.20	11.10	-10.87

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WELLPATH DATA (133 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]	Build Rate [°/100ft]	Turn Rate [°/100ft]
5691.00	18.810	16.190	5679.96	26.97	-73.49	-76.52	1626519.92	318234.83	39°21'58.333"N	80°49'15.702"W	106.09	226.155	10.11	9.91	-7.07
5736.00	22.290	12.240	5722.09	15.46	-58.18	-72.68	1626523.75	318250.14	39°21'58.485"N	80°49'15.656"W	93.10	231.324	8.32	7.73	-8.78
5781.00	25.760	10.460	5763.18	1.51	-40.22	-69.10	1626527.34	318268.10	39°21'58.663"N	80°49'15.613"W	79.95	239.798	7.88	7.71	-3.96
5826.00	29.100	8.740	5803.12	-14.67	-19.78	-65.66	1626530.77	318288.54	39°21'58.865"N	80°49'15.573"W	68.57	253.234	7.63	7.42	-3.82
5869.00	33.340	7.550	5839.88	-32.41	2.28	-62.52	1626533.92	318310.60	39°21'59.084"N	80°49'15.538"W	62.56	272.087	9.96	9.86	-2.77
5915.00	38.680	7.540	5877.08	-54.10	29.08	-58.97	1626537.47	318337.40	39°21'59.349"N	80°49'15.497"W	65.75	296.250	11.61	11.61	-0.02
5963.00	41.450	10.940	5913.82	-78.30	59.56	-53.98	1626542.45	318367.87	39°21'59.651"N	80°49'15.440"W	80.38	317.811	7.35	5.77	7.08
6005.00	37.840	16.350	5946.16	-97.99	85.58	-47.71	1626548.72	318393.90	39°21'59.909"N	80°49'15.365"W	97.99	330.860	11.89	-8.60	12.88
6058.00	34.200	26.590	5989.06	-117.80	114.54	-36.46	1626559.98	318422.85	39°22'00.197"N	80°49'15.227"W	120.20	342.345	13.26	-6.87	19.32
6094.00	32.970	34.090	6019.06	-127.92	131.71	-26.43	1626570.00	318440.02	39°22'00.368"N	80°49'15.102"W	124.38	348.652	12.01	-3.42	20.83
6184.00	28.280	49.340	6096.61	-143.26	165.95	3.53	1626599.96	318474.26	39°22'00.711"N	80°49'14.727"W	165.99	1.219	10.05	-5.21	16.94
6274.00	28.760	68.210	6175.85	-144.76	187.92	39.88	1626636.31	318495.23	39°22'00.933"N	80°49'14.269"W	192.11	11.982	9.99	0.53	20.97
6363.00	29.770	85.550	6253.63	-132.79	197.60	81.87	1626678.29	318505.91	39°22'01.035"N	80°49'13.736"W	213.89	22.505	9.56	1.13	19.48
6453.00	34.630	100.990	6329.89	-106.93	194.46	129.36	1626725.78	318502.77	39°22'01.011"N	80°49'13.131"W	233.55	33.633	10.58	5.40	17.16
6542.00	39.450	120.620	6401.16	-86.04	175.15	178.72	1626775.14	318483.46	39°22'00.827"N	80°49'12.499"W	250.24	45.577	14.29	5.42	22.06
6632.00	48.040	129.440	6466.18	-10.04	139.23	229.31	1626825.73	318447.54	39°22'00.480"N	80°49'11.848"W	268.27	58.735	11.69	9.54	9.80
6722.00	54.390	134.950	6522.56	56.38	92.06	281.12	1626877.54	318400.37	39°22'00.021"N	80°49'11.180"W	295.81	71.868	8.51	7.08	6.12
6811.00	62.160	140.120	6569.34	129.98	36.19	332.06	1626928.47	318344.51	39°21'59.476"N	80°49'10.521"W	334.02	83.781	10.03	8.73	5.81
6901.00	71.300	145.050	6604.88	211.69	-29.46	382.12	1626978.53	318278.86	39°21'58.835"N	80°49'09.871"W	383.26	94.408	11.33	10.16	5.48
6990.00	79.750	150.210	6627.11	297.62	-102.19	428.14	1627024.55	318206.13	39°21'58.123"N	80°49'09.272"W	440.17	108.425	11.04	9.51	5.80
7080.00	90.030	154.930	6635.11	387.08	-181.64	469.34	1627065.75	318126.69	39°21'57.343"N	80°49'08.732"W	503.26	111.157	12.55	11.41	5.24
7169.00	90.090	155.820	6635.02	475.81	-262.54	506.42	1627102.83	318045.79	39°21'56.549"N	80°49'08.245"W	570.43	117.404	1.00	0.07	1.00
7259.00	90.620	156.750	6634.46	565.40	-344.94	542.62	1627139.02	317963.40	39°21'55.740"N	80°49'07.769"W	642.98	122.444	1.19	0.59	1.03
7349.00	90.800	155.640	6633.35	655.01	-427.28	578.94	1627175.34	317881.06	39°21'54.932"N	80°49'07.291"W	719.54	126.428	1.25	0.20	-1.23
7438.00	89.940	154.430	6632.77	743.77	-507.96	616.50	1627212.90	317800.39	39°21'54.140"N	80°49'06.798"W	798.81	129.486	1.67	-0.97	-1.36
7528.00	89.290	151.840	6633.38	833.69	-588.24	657.17	1627253.57	317720.11	39°21'53.352"N	80°49'06.265"W	881.98	131.832	2.97	-0.72	-2.88
7617.00	88.950	149.960	6634.74	922.68	-665.99	700.45	1627296.84	317642.37	39°21'52.590"N	80°49'05.699"W	966.52	133.555	2.15	-0.38	-2.11
7707.00	88.950	151.180	6636.39	1012.66	-744.36	744.66	1627341.05	317564.00	39°21'51.822"N	80°49'05.122"W	1052.90	134.988	1.36	0.00	1.36
7796.00	90.220	155.430	6637.04	1101.55	-823.85	784.63	1627381.02	317484.51	39°21'51.042"N	80°49'04.598"W	1137.71	136.397	4.98	1.43	4.78
7886.00	90.620	157.580	6636.38	1191.11	-906.38	820.52	1627416.91	317401.99	39°21'50.232"N	80°49'04.126"W	1222.61	137.846	2.41	0.44	2.37

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Actual Wellpath Report

WEU4 512894 AWP Proj: 11599'



Where energy meets innovation.

REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 512894
Area	Tyler County, WV	Well	WEU4 512894
Field	Tyler	Wellbore	WEU4 512894 AWB
Facility	WEU4 Pad		

WELLPATH DATA (133 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]	Build Rate [°/100ft]	Turn Rate [°/100ft]
7976.00	90.310	157.200	6635.65	1280.53	-989.45	855.14	1627451.52	317318.92	39°21'49.416"N	80°49'03.670"W	1307.77	139.165	0.53	-0.34	-0.40
8065.00	90.060	156.940	6635.36	1369.01	-1071.42	889.81	1627486.20	317238.96	39°21'48.611"N	80°49'03.213"W	1392.73	140.290	0.41	-0.28	-0.29
8155.00	90.120	154.990	6635.22	1458.65	-1153.61	926.47	1627522.85	317154.77	39°21'47.804"N	80°49'02.731"W	1479.68	141.232	2.17	0.07	-2.17
8244.00	90.090	153.500	6635.06	1547.50	-1233.77	965.14	1627551.52	317074.62	39°21'47.018"N	80°49'02.224"W	1566.42	141.965	1.67	-0.03	-1.67
8334.00	90.250	153.090	6634.79	1637.42	-1314.17	1005.58	1627601.96	316994.22	39°21'46.229"N	80°49'01.694"W	1654.76	142.577	0.49	0.18	-0.46
8424.00	90.120	152.920	6634.50	1727.35	-1394.36	1046.44	1627642.81	316914.03	39°21'45.442"N	80°49'01.159"W	1743.35	143.113	0.24	-0.14	-0.19
8513.00	90.120	153.400	6634.31	1816.28	-1473.77	1086.62	1627682.99	316834.62	39°21'44.663"N	80°49'00.632"W	1831.05	143.598	0.54	0.00	0.54
8603.00	89.780	154.130	6634.39	1906.17	-1554.50	1126.40	1627722.78	316753.90	39°21'43.871"N	80°49'00.111"W	1919.70	144.073	0.89	-0.38	0.81
8693.00	89.020	152.650	6635.33	1996.07	-1634.96	1166.71	1627763.08	316673.44	39°21'43.082"N	80°48'59.583"W	2008.56	144.488	1.85	-0.84	-1.64
8782.00	91.020	154.140	6635.30	2084.98	-1714.53	1206.57	1627802.94	316593.88	39°21'42.301"N	80°48'59.061"W	2096.52	144.865	2.80	2.25	1.67
8872.00	90.770	154.020	6633.90	2174.83	-1795.47	1245.90	1627842.27	316512.95	39°21'41.507"N	80°48'58.545"W	2185.40	145.243	0.31	-0.28	-0.13
8961.00	90.950	154.630	6632.56	2263.66	-1875.67	1284.46	1627880.82	316432.75	39°21'40.720"N	80°48'58.039"W	2273.32	145.597	0.71	0.20	0.69
9051.00	90.680	154.340	6631.28	2353.47	-1956.88	1323.22	1627919.58	316351.54	39°21'39.923"N	80°48'57.530"W	2362.27	145.934	0.44	-0.30	-0.32
9140.00	90.250	154.950	6630.56	2442.28	-2037.31	1361.33	1627957.69	316271.12	39°21'39.134"N	80°48'57.030"W	2450.27	146.249	0.84	-0.48	0.69
9230.00	90.030	156.190	6630.34	2531.97	-2119.25	1398.55	1627994.91	316189.18	39°21'38.330"N	80°48'56.541"W	2538.13	146.578	1.40	-0.24	1.38
9320.00	89.910	157.120	6630.39	2621.51	-2201.88	1434.22	1628030.57	316106.55	39°21'37.518"N	80°48'56.072"W	2627.78	146.921	1.04	-0.13	1.03
9409.00	90.280	157.650	6630.24	2709.94	-2284.03	1468.44	1628064.80	316024.40	39°21'36.711"N	80°48'55.621"W	2715.35	147.262	0.73	0.42	0.60
9499.00	90.340	156.400	6629.75	2799.42	-2366.89	1503.57	1628099.92	315941.55	39°21'35.897"N	80°48'55.158"W	2804.09	147.574	1.39	0.07	-1.39
9588.00	90.340	156.750	6629.22	2887.98	-2448.55	1538.95	1628135.30	315859.89	39°21'35.096"N	80°48'54.692"W	2892.02	147.850	0.39	0.00	0.39
9678.00	90.180	155.300	6628.82	2977.61	-2530.79	1575.52	1628171.87	315777.66	39°21'34.288"N	80°48'54.212"W	2981.13	148.096	1.62	-0.18	-1.61
9767.00	89.940	154.860	6628.72	3066.37	-2611.50	1613.02	1628209.37	315696.95	39°21'33.496"N	80°48'53.719"W	3069.49	148.298	0.56	-0.27	-0.49
9857.00	90.370	155.460	6628.48	3156.12	-2693.17	1650.83	1628247.17	315615.28	39°21'32.694"N	80°48'53.223"W	3158.86	148.493	0.82	0.48	0.67
9946.00	90.340	156.460	6627.93	3244.77	-2774.45	1687.08	1628283.43	315534.01	39°21'31.896"N	80°48'52.746"W	3247.13	148.697	1.12	-0.03	1.12
10036.00	90.430	157.870	6627.32	3334.22	-2857.39	1722.01	1628318.35	315451.07	39°21'31.082"N	80°48'52.286"W	3336.17	148.925	1.57	0.10	1.57
10126.00	89.820	157.590	6627.13	3423.58	-2940.68	1756.12	1628352.46	315367.79	39°21'30.263"N	80°48'51.836"W	3425.13	149.155	0.75	-0.68	-0.31
10215.00	89.970	155.790	6627.29	3512.12	-3022.41	1791.33	1628387.67	315286.06	39°21'29.461"N	80°48'51.373"W	3513.38	149.346	2.03	0.17	-2.02
10305.00	90.060	154.420	6627.27	3601.87	-3104.05	1829.22	1628425.55	315204.43	39°21'28.660"N	80°48'50.875"W	3602.94	149.489	1.53	0.10	-1.52
10395.00	89.880	153.650	6627.31	3691.74	-3184.96	1868.62	1628464.95	315123.52	39°21'27.866"N	80°48'50.359"W	3692.66	149.600	0.88	-0.20	-0.86
10484.00	89.820	153.940	6627.55	3780.62	-3264.81	1907.92	1628504.25	315043.67	39°21'27.082"N	80°48'49.844"W	3781.43	149.698	0.33	0.07	0.33
10574.00	89.910	153.920	6627.76	3870.49	-3345.66	1947.47	1628543.80	314962.83	39°21'26.289"N	80°48'49.325"W	3871.19	149.797	0.10	0.10	-0.02

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Actual Wellpath Report

WEU4 512894 AWP Proj: 11599'



Where energy meets innovation.

REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 512894
Area	Tyler County, WV	Well	WEU4 512894
Field	Tyler	Wellbore	WEU4 512894 AWB
Facility	WEU4 Pad		

WELLPATH DATA (133 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]	Build Rate [°/100ft]	Turn Rate [°/100ft]
10663.00	89.910	153.380	6627.90	3959.39	-3425.41	1986.98	1628583.30	314883.08	39°21'25.507"N	80°48'48.807"W	3959.99	149.883	0.61	0.00	-0.61
10753.00	89.750	152.620	6628.16	4049.33	-3505.60	2027.83	1628624.16	314802.90	39°21'24.720"N	80°48'48.272"W	4049.86	149.953	0.86	-0.18	-0.84
10843.00	90.280	152.930	6628.14	4139.28	-3585.63	2069.01	1628665.33	314722.87	39°21'23.935"N	80°48'47.733"W	4139.75	150.014	0.68	0.59	0.34
10932.00	89.850	151.190	6628.04	4228.25	-3664.25	2110.71	1628707.03	314644.26	39°21'23.164"N	80°48'47.188"W	4228.69	150.057	2.01	-0.48	-1.96
11022.00	90.370	153.290	6627.87	4318.22	-3743.89	2152.62	1628748.94	314564.62	39°21'22.383"N	80°48'46.639"W	4318.62	150.102	2.40	0.58	2.33
11111.00	90.250	156.510	6627.39	4406.99	-3824.47	2190.37	1628786.69	314484.04	39°21'21.592"N	80°48'46.144"W	4407.30	150.199	3.62	-0.13	3.62
11201.00	90.430	158.010	6626.85	4496.43	-3907.47	2225.16	1628821.48	314401.05	39°21'20.777"N	80°48'45.686"W	4496.63	150.340	1.68	0.20	1.67
11291.00	90.550	158.330	6626.08	4585.70	-3991.02	2258.63	1628854.94	314317.51	39°21'19.956"N	80°48'45.244"W	4585.80	150.493	0.38	0.13	0.36
11380.00	89.940	156.620	6625.70	4674.11	-4073.22	2292.72	1628889.03	314235.31	39°21'19.149"N	80°48'44.795"W	4674.15	150.626	2.04	-0.69	-1.92
11470.00	89.850	155.840	6625.87	4763.71	-4155.59	2328.99	1628925.30	314152.95	39°21'18.340"N	80°48'44.318"W	4763.73	150.732	0.87	-0.10	-0.87
11559.00	90.000	154.450	6625.98	4852.46	-4236.34	2366.40	1628962.71	314072.20	39°21'17.547"N	80°48'43.827"W	4852.47	150.812	1.57	0.17	-1.56
11574.00	89.940	154.450	6625.99	4867.43	-4249.87	2372.87	1628969.18	314058.66	39°21'17.414"N	80°48'43.742"W	4867.44	150.824	0.40	-0.40	0.00
11599.00	89.940	154.450	6626.02	4892.39	-4272.43	2383.65	1628979.96	314036.11	39°21'17.193"N	80°48'43.600"W	4892.39	150.842	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: WEU4 512894 AWB Ref Wellpath: WEU4 512894 AWP Proj: 11599'									
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]
12.25in Open Hole	18.00	2870.00	2852.00	18.00	2862.37	0.00	0.00	-86.99	-96.52
9.625in Casing Intermediate	18.00	2870.00	2852.00	18.00	2862.37	0.00	0.00	-86.99	-96.52
8.75in Open Hole	2870.00	5515.00	2645.00	2862.37	5507.20	-86.99	-96.52	-101.01	-87.09
8.5in Open Hole	5515.00	11599.00	6084.00	5507.20	6626.02	-101.01	-87.09	-4272.43	2383.65
5.5in Casing Production	18.00	11599.00	11581.00	18.00	6626.02	0.00	0.00	-4272.43	2383.65

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Actual Wellpath Report

WEU4 512894 AWP Proj: 11599'



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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 512894
Area	Tyler County, WV	Well	WEU4 512894
Field	Tyler	Wellbore	WEU4 512894 AWB
Facility	WEU4 Pad		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
WEU4 512894 BHL Rev-1	6625.02	-4273.72	2381.01	1628977.32	314034.82	39°21'17.180"N	80°48'43.634"W	point
WEU4 512894 LP Rev-1	6632.00	-199.42	481.13	1627077.54	318108.91	39°21'57.169"N	80°49'08.579"W	point
WEU4 HL2 Rev-1	6700.00	83.98	-32.35	1626564.08	318392.30	39°21'59.896"N	80°49'15.169"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: WEU4 512894 AWB Ref Wellpath: WEU4 512894 AWP Proj: 11599'				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	5484.00	Gyrodata relative depth - Continuous gyro	01_Gyrodata Cont Gyro <8-3/4"> (100'-5479')	WEU4 512894 AWB
5484.00	11574.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	02_BH AT Curve+MagVar MSA <8-1/2"> (5484')(5493'-11574')	WEU4 512894 AWB
11574.00	11599.00	Blind Drilling (std)	Projection to bit	WEU4 512894 AWB

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API 47-095-02506

Actual Wellpath Report

WEU4 512894 AWP Proj: 11599'

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Where energy meets innovation.

REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 512894
Area	Tyler County, WV	Well	WEU4 512894
Field	Tyler	Wellbore	WEU4 512894 AWB
Facility	WEU4 Pad		

COMMENTS
<p>Wellpath general comments API: 47-095-02343-0000 BH Job#: 109619370 Rig: Precision 539 Duration: 1/24/2019-1/28/2019 01_Gyrodata Cont Gyro <8-3/4"> (100'-5479') 02_BH AT Curve+MagVar MSA <8-1/2"> (5484')(5493'-11574') Projected MD at TD: 11599'</p>

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API 47-095-02506

Where energy meets innovation

EQT

Location: Tyler County, WV
Field: Tyler
Facility: WEU4 Pad

Slot: Slot 512894
Well: WEU4 512894
Wellbore: WEU4 512894 PWB



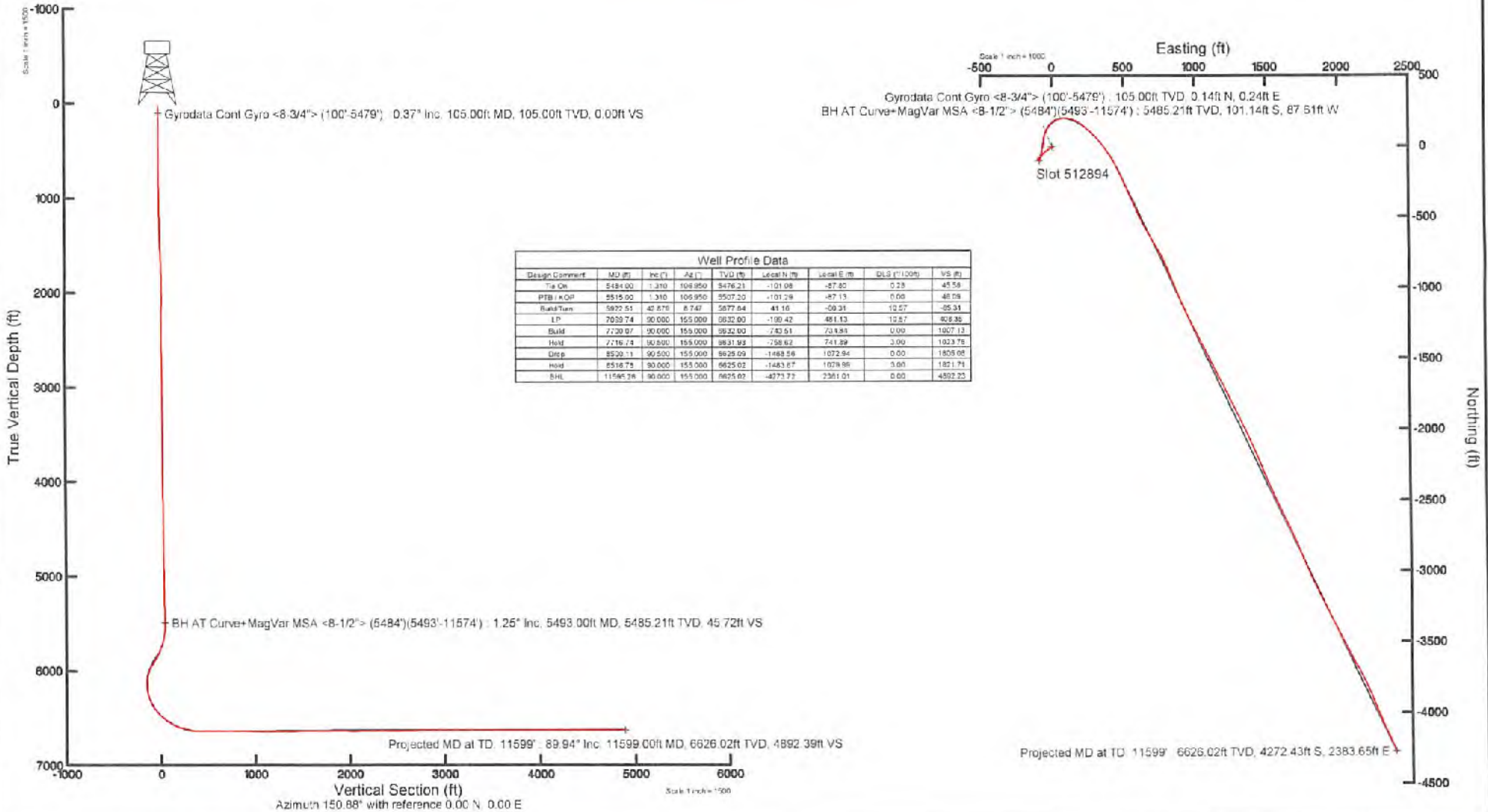
Approximate vertical accuracy to base (ft) (1-sigma)	Grid System: NAD 83 (1983) - North Carolina State Plane (NAD83) - US Feet
True vertical datum and reference to Precursor (1-sigma)	North American Datum
Measured depth and reference to Precursor (1-sigma)	Depth True surface
Precursor (1-sigma) to Mean Sea Level (MSL) (ft)	Depth in Case
Mean Sea Level to Ground level (AGL) (ft) (1-sigma) (MSL)	Ground in Case
Coordinate system used for measured data	Datum: US A98, G170902, GCS

Location Information					
Facility Name	Grid East (US Ft)	Grid North (US Ft)	Latitude	Longitude	
WEU4 Pad	1276547.917	318448.290	30°22'20.4467N	80°49'18.456W	
Site	Local N (ft)	Local E (ft)	Latitude	Longitude	
Slot 512894	-139.88	53.92	48°29'58.430	318326.200	
Precursor (RKB) to Ground level (AGL) (ft) (Slot 512894)	189				
Mean Sea Level to Ground level (AGL) (ft) (Slot 512894)	-12799				
Precursor (RKB) to Mean Sea Level	12978				

API: 47-095-02506-0000
BH Job#: 109619370
Rig: Precision 539
Duration: 1/24/2019-1/28/2019



User specified Dip: 66.35° Field: 51774-ft
Magnetic North is 2.28 degrees West of True North (at 1/16/2018)
Grid North is 0.84 degrees West of True North
To correct azimuth from True to Grid add 0.84 degrees
To correct azimuth from Magnetic to Grid subtract 6.44 degrees



Well Profile Data							
Design Comment	MD (ft)	Inc (°)	SL (ft)	TVD (ft)	Local N (ft)	Local E (ft)	QUS (ft/100ft)
To Oh	5484.00	1.310	105.850	8476.21	-101.08	-87.80	0.28
PEB (KOP)	5515.00	1.310	105.950	8507.20	-101.29	-87.13	0.00
Build/Turn	5972.51	47.878	8.747	5877.84	41.16	-59.31	12.57
LP	7039.74	30.000	155.000	6632.00	-100.42	481.13	12.57
Build	7730.07	30.000	155.000	6632.00	-743.51	-743.85	0.00
Hold	7716.74	30.000	155.000	6631.93	-758.62	-741.89	3.00
Drop	8520.11	30.000	155.000	6625.09	-1488.56	1072.84	0.00
Hold	8516.75	30.000	155.000	6625.02	-1483.67	1078.95	3.00
BHL	11595.26	30.000	155.000	6625.02	-4773.72	-2361.01	0.00

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