



API 47-095-02507

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# Actual Wellpath Report

WEU4 512895 AWP Proj: 11661'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT	Slot	Slot 512895
Area	Tyler County, WV	Well	WEU4 512895
Field	Tyler	Wellbore	WEU4 512895 AWB
Facility	WEU4 Pad		

## REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet		
North Reference	Grid	Software System	WellArchitect® 5.1
Scale	0.999951	User	Jacostec
Convergence at slot	0.84° West	Report Generated	1/30/2019 at 1:52:40 PM
		Database/Source file	WA_MPL_EASTERNUS_Defn/WEU4_512895_AWP_Proj_11661_.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-153.98	59.32	1626601.83	318294.32	39°21'58.933"N	80°49'14.670"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 512895)	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	141.52°

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## WELLPATH DATA (130 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	0.00	151.630	0.00	0.00	0.00	0.00	1626601.83	318294.32	39°21'58.933"N	80°49'14.670"W	0.00	0.000	0.00	0.00	0.00
18.00	0.00	151.630	18.00	0.00	0.00	0.00	1626601.83	318294.32	39°21'58.933"N	80°49'14.670"W	0.00	0.000	0.00	0.00	0.00
105.00	0.310	151.630	105.00	0.23	-0.21	0.11	1626601.94	318294.11	39°21'58.931"N	80°49'14.668"W	0.24	151.630	0.36	0.36	174.23
205.00	0.360	164.140	205.00	0.79	-0.75	0.33	1626602.16	318293.57	39°21'58.925"N	80°49'14.666"W	0.82	156.417	0.09	0.09	12.51
305.00	0.430	175.180	305.00	1.39	-1.42	0.44	1626602.27	318292.90	39°21'58.919"N	80°49'14.664"W	1.49	162.690	0.10	0.07	11.04
405.00	0.590	175.920	404.99	2.13	-2.31	0.52	1626602.35	318292.01	39°21'58.910"N	80°49'14.663"W	2.37	167.394	0.16	0.16	0.14
505.00	0.590	181.990	504.99	2.95	-3.34	0.54	1626602.37	318290.98	39°21'58.900"N	80°49'14.662"W	3.38	170.790	0.07	0.00	6.67
605.00	0.590	182.180	604.98	3.73	-4.37	0.50	1626602.33	318289.95	39°21'58.890"N	80°49'14.663"W	4.40	173.419	0.00	0.00	0.19
705.00	0.610	183.610	704.98	4.52	-5.41	0.45	1626602.28	318288.91	39°21'58.879"N	80°49'14.663"W	5.43	175.240	0.02	0.02	1.43
805.00	1.320	122.270	804.96	6.00	-6.56	1.39	1626603.22	318287.76	39°21'58.868"N	80°49'14.651"W	6.71	168.026	1.16	0.71	-61.34
905.00	4.860	90.660	904.81	9.76	-7.22	6.60	1626608.43	318287.10	39°21'58.862"N	80°49'14.584"W	9.79	137.576	3.80	3.54	-31.59
1005.00	6.390	71.710	1004.33	14.36	-5.53	16.12	1626617.66	318288.79	39°21'58.880"N	80°49'14.464"W	17.04	108.928	2.39	1.53	-18.97
1105.00	7.230	67.820	1103.62	18.05	-1.41	27.23	1626629.06	318292.91	39°21'58.923"N	80°49'14.323"W	27.27	92.956	0.96	0.84	-3.89
1205.00	8.280	91.250	1202.73	24.42	0.81	40.26	1626642.09	318295.13	39°21'58.947"N	80°49'14.157"W	40.27	88.844	3.30	1.05	23.43
1305.00	8.890	107.640	1301.63	35.44	-1.69	54.83	1626656.66	318292.63	39°21'58.924"N	80°49'13.972"W	54.85	91.762	2.51	0.61	16.39
1405.00	9.440	108.530	1400.35	48.73	-6.63	69.97	1626671.79	318287.69	39°21'58.877"N	80°49'13.778"W	70.28	95.416	0.57	0.55	0.83
1505.00	10.200	101.890	1498.89	62.43	-11.06	86.41	1626688.23	318283.26	39°21'58.836"N	80°49'13.568"W	87.11	97.297	1.36	0.76	-6.64
1605.00	11.370	100.430	1597.12	76.68	-14.67	104.77	1626706.59	318279.65	39°21'58.803"N	80°49'13.333"W	105.79	97.973	1.20	1.17	-1.46
1705.00	9.800	99.180	1695.42	90.40	-17.82	122.86	1626724.69	318274.94	39°21'58.775"N	80°49'13.102"W	124.15	98.261	1.59	-1.57	-1.25
1805.00	5.410	92.790	1794.51	99.80	-19.40	135.98	1626737.80	318274.92	39°21'58.761"N	80°49'12.835"W	137.36	98.121	4.46	-4.39	-6.39
1905.00	2.520	83.340	1894.26	104.07	-19.38	142.87	1626744.70	318274.94	39°21'58.762"N	80°49'12.847"W	144.18	97.724	2.95	-2.89	-9.45
2005.00	1.750	133.780	1994.20	106.75	-20.18	146.16	1626747.98	318274.14	39°21'58.765"N	80°49'12.805"W	147.55	97.861	1.95	-0.77	50.44
2105.00	1.400	140.190	2094.16	109.48	-22.17	148.05	1626749.87	318272.15	39°21'58.738"N	80°49'12.781"W	149.70	98.519	0.39	-0.35	6.41
2205.00	1.440	8.310	2194.15	109.84	-21.87	149.01	1626750.83	318272.45	39°21'58.735"N	80°49'12.769"W	150.61	98.350	2.59	0.04	-131.88
2305.00	1.250	3.190	2294.12	108.17	-19.54	149.25	1626751.07	318274.78	39°21'58.761"N	80°49'12.766"W	150.53	97.458	0.22	-0.19	-5.12
2405.00	1.180	241.650	2394.11	107.17	-18.94	148.41	1626750.23	318275.38	39°21'58.767"N	80°49'12.777"W	149.61	97.272	2.12	-0.07	-121.54
2505.00	0.760	243.230	2494.10	106.85	-19.73	146.91	1626748.73	318274.60	39°21'58.759"N	80°49'12.796"W	148.23	97.647	0.42	-0.42	1.58
2605.00	0.050	138.970	2594.09	106.76	-20.06	146.34	1626748.17	318274.26	39°21'58.756"N	80°49'12.803"W	147.71	97.804	0.77	-0.71	-104.26
2705.00	0.060	41.360	2694.09	106.80	-20.05	146.41	1626748.23	318274.27	39°21'58.756"N	80°49'12.802"W	147.77	97.798	0.08	0.01	-97.61
2805.00	0.150	75.310	2794.09	106.84	-19.98	146.57	1626748.39	318274.34	39°21'58.757"N	80°49'12.800"W	147.92	97.762	0.11	0.09	33.95

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Area	Tyler County, WV	Well	WEU4 512895
Field	Tyler	Wellbore	WEU4 512895 AWB
Facility	WEU4 Pad		

## WELLPATH DATA (130 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 (r/100ft)	Build Rate (r/100ft)	Turn Rate (r/100ft)
2905.00	0.140	85.670	2894.09	106.96	-19.94	146.82	1626748.64	318274.39	39°21'58.75"N	80°49'12.79"W	148.16	97.733	0.03	-0.01	10.36
3005.00	0.220	120.820	2994.09	107.21	-20.02	147.10	1626748.93	318274.30	39°21'58.756"N	80°49'12.793"W	148.46	97.752	0.13	0.08	35.15
3105.00	0.230	125.130	3094.09	107.58	-20.24	147.43	1626749.26	318274.08	39°21'58.754"N	80°49'12.789"W	148.82	97.816	0.02	0.01	4.31
3205.00	0.170	147.430	3194.09	107.92	-20.48	147.68	1626749.50	318273.84	39°21'58.752"N	80°49'12.786"W	149.09	97.895	0.10	-0.06	22.30
3305.00	0.190	134.310	3294.09	108.23	-20.72	147.88	1626749.70	318273.60	39°21'58.749"N	80°49'12.783"W	149.32	97.976	0.05	0.02	-13.12
3405.00	0.180	146.510	3394.09	108.56	-20.97	148.08	1626749.90	318273.35	39°21'58.747"N	80°49'12.781"W	149.56	98.059	0.04	-0.01	12.20
3505.00	0.180	159.640	3494.09	108.86	-21.24	148.22	1626750.04	318273.08	39°21'58.744"N	80°49'12.779"W	149.74	98.157	0.04	0.00	13.13
3605.00	0.130	169.640	3594.09	109.11	-21.50	148.30	1626750.12	318272.82	39°21'58.742"N	80°49'12.778"W	149.85	98.251	0.06	-0.05	10.00
3705.00	0.180	183.400	3694.09	109.33	-21.77	148.31	1626750.13	318272.55	39°21'58.739"N	80°49'12.778"W	149.90	98.352	0.06	0.05	13.76
3805.00	0.210	175.340	3794.09	109.60	-22.11	148.31	1626750.14	318272.21	39°21'58.736"N	80°49'12.778"W	149.95	98.480	0.04	0.03	-8.06
4005.00	0.150	36.680	3994.09	109.94	-22.47	148.41	1626750.23	318271.85	39°21'58.732"N	80°49'12.776"W	150.10	98.609	0.29	-0.01	-142.65
4105.00	0.150	46.470	4094.09	109.89	-22.27	148.58	1626750.41	318272.05	39°21'58.734"N	80°49'12.774"W	150.24	98.525	0.03	0.00	9.79
4205.00	0.060	99.360	4194.09	109.92	-22.19	148.73	1626750.55	318272.13	39°21'58.735"N	80°49'12.772"W	150.38	98.486	0.12	-0.09	52.89
4305.00	0.030	205.910	4294.09	109.97	-22.22	148.77	1626750.59	318272.10	39°21'58.735"N	80°49'12.772"W	150.42	98.496	0.07	-0.03	106.55
4405.00	0.220	174.620	4394.09	110.14	-22.44	148.78	1626750.60	318271.88	39°21'58.733"N	80°49'12.772"W	150.46	98.577	0.19	0.19	-31.23
4505.00	0.300	189.670	4494.09	110.48	-22.89	148.75	1626750.57	318271.43	39°21'58.728"N	80°49'12.772"W	150.50	98.747	0.10	0.08	15.05
4605.00	0.360	183.810	4594.08	110.88	-23.46	148.69	1626750.51	318270.86	39°21'58.722"N	80°49'12.773"W	150.53	98.966	0.07	0.06	-5.86
4705.00	0.530	184.840	4694.08	111.45	-24.23	148.63	1626750.45	318270.09	39°21'58.715"N	80°49'12.773"W	150.59	99.261	0.17	0.17	1.03
4805.00	0.540	182.920	4794.08	112.14	-25.17	148.58	1626750.39	318269.16	39°21'58.706"N	80°49'12.774"W	150.68	99.614	0.02	0.01	-1.92
4905.00	0.370	191.100	4894.07	112.70	-25.95	148.48	1626750.30	318268.37	39°21'58.698"N	80°49'12.775"W	150.73	99.915	0.18	-0.17	8.18
5005.00	0.320	178.720	4994.07	113.14	-26.55	148.42	1626750.24	318267.77	39°21'58.692"N	80°49'12.775"W	150.78	100.141	0.09	-0.05	-12.38
5012.00	0.350	171.210	5001.07	113.17	-26.59	148.42	1626750.25	318267.73	39°21'58.692"N	80°49'12.775"W	150.79	100.156	0.76	0.43	-107.29
5054.00	0.220	232.920	5043.07	113.28	-26.76	148.38	1626750.20	318267.56	39°21'58.690"N	80°49'12.776"W	150.77	100.225	0.75	-0.31	146.93
5109.00	3.510	55.870	5088.04	113.41	-25.88	148.69	1626751.51	318288.44	39°21'58.698"N	80°49'12.759"W	151.91	99.810	6.78	5.86	-321.91
5199.00	12.300	47.050	5187.10	112.87	-17.79	159.01	1626760.83	318276.53	39°21'58.780"N	80°49'12.642"W	160.00	96.384	9.83	9.77	-9.80
5288.00	20.190	57.020	5272.49	113.60	-2.94	178.86	1626760.68	318291.38	39°21'58.930"N	80°49'12.392"W	178.89	90.943	9.37	8.87	11.20
5333.00	24.230	66.610	5314.16	116.75	4.95	193.86	1626795.68	318299.27	39°21'59.010"N	80°49'12.203"W	193.93	88.536	12.04	8.98	21.31
5378.00	26.850	75.280	5354.77	123.25	11.21	212.18	1626814.00	318305.53	39°21'59.074"N	80°49'11.971"W	212.47	86.977	10.13	5.82	19.27
5468.00	31.770	69.720	5433.24	138.85	24.59	254.09	1626865.91	318318.91	39°21'59.213"N	80°49'11.440"W	255.28	84.472	6.24	5.47	-6.18

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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 (1/100ft)	Build Rate (1/100ft)	Turn Rate (1/100ft)
5557.00	38.780	63.450	5505.88	151.95	45.20	301.08	1626902.89	318339.52	39°21'59.423"N	80°49'10.845"W	304.45	81.461	8.86	7.88	-7.04
5647.00	38.830	62.110	5576.02	162.97	71.00	351.23	1626953.04	318365.32	39°21'59.685"N	80°49'10.212"W	358.33	78.571	0.93	0.06	-1.49
5736.00	38.780	62.890	5645.37	173.59	96.76	400.70	1627002.51	318391.07	39°21'59.947"N	80°49'09.687"W	412.22	76.425	0.55	-0.06	0.88
5826.00	38.830	64.980	5715.51	185.71	121.53	451.36	1627053.16	318415.85	39°22'00.199"N	80°49'08.946"W	467.43	74.930	1.46	0.06	2.32
5916.00	38.710	66.480	5785.68	199.55	144.70	502.73	1627104.54	318439.01	39°22'00.436"N	80°49'08.297"W	523.14	73.943	1.05	-0.13	1.67
6005.00	38.890	65.960	5855.05	213.70	167.19	553.76	1627155.57	318461.50	39°22'00.685"N	80°49'07.651"W	578.45	73.201	0.42	0.20	-0.58
6095.00	38.740	66.300	5925.17	227.93	190.01	605.35	1627207.15	318484.32	39°22'00.898"N	80°49'06.999"W	634.47	72.573	0.29	-0.17	0.38
6184.00	38.880	66.530	5994.52	242.26	212.33	656.47	1627258.27	318506.64	39°22'01.126"N	80°49'06.352"W	689.96	72.077	0.23	0.16	0.26
6274.00	38.770	64.390	6064.64	255.86	235.76	707.79	1627309.59	318530.07	39°22'01.365"N	80°49'05.703"W	746.03	71.577	1.50	-0.12	-2.38
6363.00	38.840	63.120	6134.00	267.68	260.43	757.81	1627359.61	318554.73	39°22'01.616"N	80°49'05.071"W	801.31	71.035	0.90	0.08	-1.43
6453.00	38.900	69.350	6204.10	282.01	283.16	809.45	1627411.24	318577.46	39°22'01.849"N	80°49'04.418"W	857.55	70.719	4.34	0.07	6.92
6543.00	39.150	85.950	6274.21	306.79	295.16	864.38	1627466.17	318589.47	39°22'01.975"N	80°49'03.720"W	913.39	71.146	11.59	0.28	18.44
6632.00	42.820	97.900	6341.49	344.65	292.99	922.48	1627524.26	318587.29	39°22'01.962"N	80°49'02.980"W	967.89	72.380	9.71	4.12	13.43
6722.00	47.380	107.030	6405.07	394.16	279.06	984.54	1627586.32	318573.37	39°22'01.833"N	80°49'02.188"W	1023.32	74.175	8.78	5.07	10.14
6811.00	59.330	113.320	6461.86	452.69	255.31	1048.72	1627650.49	318549.61	39°22'01.608"N	80°49'01.366"W	1079.35	76.318	8.61	6.69	7.07
6901.00	59.390	120.920	6511.74	520.89	221.05	1115.22	1627716.99	318515.36	39°22'01.279"N	80°49'00.513"W	1136.92	78.758	9.73	6.73	8.44
6990.00	65.540	128.990	6552.92	596.45	175.78	1179.70	1627781.47	318470.10	39°22'00.841"N	80°48'59.684"W	1192.73	81.525	10.60	6.91	9.07
7080.00	70.750	136.630	6586.46	678.93	119.02	1240.84	1627842.60	318413.33	39°22'00.289"N	80°48'58.895"W	1246.53	84.521	9.77	5.79	8.49
7170.00	76.300	143.720	6612.00	765.11	52.76	1295.99	1627897.75	318347.08	39°21'59.642"N	80°48'58.180"W	1297.06	87.569	9.75	6.17	7.88
7259.00	80.880	149.180	6629.61	851.97	-19.92	1344.14	1627945.90	318274.41	39°21'58.931"N	80°48'57.554"W	1344.29	90.949	7.91	5.15	6.13
7349.00	89.230	155.530	6637.37	939.91	-99.25	1385.66	1627987.42	318195.08	39°21'58.153"N	80°48'57.010"W	1389.21	94.097	11.64	9.28	7.06
7438.00	89.320	160.030	6638.50	1025.32	-181.61	1419.31	1628021.06	318112.72	39°21'57.344"N	80°48'56.567"W	1430.88	97.292	5.06	0.10	5.06
7528.00	89.970	161.350	6639.06	1110.33	-266.54	1449.07	1628050.82	318027.79	39°21'56.509"N	80°48'56.172"W	1473.38	100.423	1.63	0.72	1.47
7617.00	89.780	158.260	6639.25	1194.82	-350.06	1479.79	1628081.54	317944.28	39°21'55.688"N	80°48'55.765"W	1520.63	103.309	3.48	-0.21	-3.47
7707.00	89.940	155.730	6639.47	1281.55	-432.90	1514.96	1628116.71	317861.45	39°21'54.874"N	80°48'55.302"W	1575.59	105.947	2.82	0.18	-2.81
7797.00	89.910	154.760	6639.59	1368.98	-514.63	1552.63	1628154.38	317779.71	39°21'54.072"N	80°48'54.807"W	1635.69	108.338	1.06	-0.03	-1.06
7886.00	90.340	154.010	6639.40	1455.74	-594.89	1591.09	1628192.84	317699.46	39°21'53.284"N	80°48'54.303"W	1698.66	110.500	0.99	0.48	-0.87
7976.00	90.460	153.700	6638.77	1543.66	-675.68	1630.75	1628232.49	317618.67	39°21'52.492"N	80°48'53.783"W	1765.18	112.506	0.37	0.13	-0.34
8065.00	90.580	155.020	6637.96	1630.43	-755.91	1669.26	1628271.00	317538.45	39°21'51.704"N	80°48'53.278"W	1832.43	114.363	1.49	0.13	1.48
8155.00	90.620	156.190	6637.02	1717.71	-837.87	1706.43	1628308.17	317456.49	39°21'50.900"N	80°48'52.789"W	1901.03	116.151	1.30	0.04	1.30

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API 47-095-02507

# Actual Wellpath Report

WEU4 512895 AWP Proj: 11661'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT	Slot	Slot 512895
Area	Tyler County, WV	Well	WEU4 512895
Field	Tyler	Wellbore	WEU4 512895 AWB
Facility	WEU4 Pad		

## WELLPATH DATA (130 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 (1/100ft)	Build Rate (1/100ft)	Turn Rate (1/100ft)
8245.00	90.550	156.620	6636.10	1804.69	-9.20.34	1742.45	1628344.19	317374.03	39°21'50.090"N	80°48'52.315"W	1970.57	117.843	0.48	-0.08	0.48
8334.00	90.830	153.520	6635.03	1891.20	-1001.03	1779.95	1628381.69	317293.34	39°21'49.298"N	80°48'51.823"W	2042.13	119.353	3.50	0.31	-3.48
8424.00	90.920	151.580	6633.65	1979.52	-1080.89	1821.44	1628423.17	317213.49	39°21'48.515"N	80°48'51.280"W	2118.00	120.686	2.16	0.10	-2.16
8513.00	90.710	150.500	6632.39	2067.28	-1158.75	1864.52	1628466.26	317135.63	39°21'47.752"N	80°48'50.717"W	2195.26	121.860	1.24	-0.24	-1.21
8603.00	90.800	150.570	6631.20	2156.16	-1237.10	1908.79	1628510.52	317057.28	39°21'46.984"N	80°48'50.139"W	2274.62	122.948	0.13	0.10	0.08
8693.00	89.780	152.550	6630.74	2244.78	-1316.23	1951.65	1628553.38	316978.15	39°21'46.208"N	80°48'49.578"W	2354.02	123.997	2.47	-1.13	2.20
8782.00	89.780	156.630	6631.09	2331.45	-1396.61	1999.83	1628591.56	316897.78	39°21'45.419"N	80°48'48.642"W	2431.04	125.064	4.58	0.00	4.58
8872.00	89.910	160.340	6631.33	2417.52	-1480.32	2022.83	1628624.56	316814.07	39°21'44.597"N	80°48'48.263"W	2506.63	126.197	4.12	0.14	4.12
8961.00	89.840	162.250	6631.45	2501.27	-1564.62	2051.37	1628653.10	316728.78	39°21'43.768"N	80°48'48.263"W	2579.95	127.333	2.15	0.03	2.15
9051.00	90.520	159.690	6631.01	2586.12	-1649.69	2080.71	1628682.44	316644.72	39°21'42.931"N	80°48'47.873"W	2655.34	128.409	2.94	0.76	-2.84
9141.00	91.020	154.800	6629.72	2672.72	-1732.65	2115.51	1628717.23	316561.76	39°21'42.116"N	80°48'47.415"W	2734.49	129.318	5.45	0.44	-5.43
9230.00	89.910	152.340	6629.00	2759.75	-1812.34	2155.12	1628756.84	316482.08	39°21'41.334"N	80°48'46.896"W	2815.87	130.062	3.03	-1.25	-2.76
9320.00	89.630	152.050	6629.36	2848.19	-1891.95	2197.10	1628798.82	316402.47	39°21'40.554"N	80°48'46.346"W	2899.43	130.732	0.45	-0.31	-0.32
9409.00	89.510	153.280	6630.02	2935.51	-1971.00	2237.97	1628839.68	316323.42	39°21'39.778"N	80°48'45.812"W	2982.17	131.371	1.19	-0.13	1.38
9499.00	89.600	154.350	6630.72	3023.44	-2051.76	2277.68	1628879.39	316242.68	39°21'39.986"N	80°48'45.291"W	3065.54	132.013	1.19	0.10	1.19
9588.00	89.000	154.320	6631.34	3110.22	-2131.98	2316.23	1628917.94	316162.45	39°21'38.195"N	80°48'44.785"W	3148.05	132.628	0.03	0.00	-0.03
9678.00	90.000	156.120	6631.66	3197.66	-2213.69	2353.95	1628955.66	316080.74	39°21'37.397"N	80°48'44.290"W	3231.33	133.241	2.05	0.44	2.00
9768.00	89.970	157.910	6631.68	3284.38	-2296.54	2389.09	1628990.80	315997.90	39°21'36.583"N	80°48'43.827"W	3313.89	133.868	1.99	-0.03	1.99
9857.00	90.490	158.620	6631.33	3369.61	-2379.21	2422.05	1629023.75	315915.23	39°21'35.771"N	80°48'43.382"W	3395.14	134.489	0.99	0.58	0.80
9947.00	90.030	155.800	6630.92	3456.24	-2462.18	2456.90	1629058.61	315832.27	39°21'34.956"N	80°48'42.933"W	3478.32	135.061	3.17	-0.51	-3.13
10036.00	90.000	152.690	6630.89	3543.05	-2542.33	2495.57	1629097.27	315752.12	39°21'34.169"N	80°48'42.426"W	3562.49	135.532	3.49	-0.03	-3.49
10126.00	90.120	151.620	6630.80	3631.50	-2621.90	2537.61	1629139.31	315672.95	39°21'33.389"N	80°48'41.876"W	3648.81	135.936	1.20	0.13	-1.19
10216.00	90.030	150.740	6630.68	3720.22	-2700.76	2580.99	1629182.69	315593.70	39°21'32.616"N	80°48'41.309"W	3735.72	136.299	0.98	-0.10	-0.98
10305.00	90.120	149.850	6630.56	3808.18	-2778.06	2625.10	1629226.79	315516.40	39°21'31.859"N	80°48'40.733"W	3822.14	136.622	1.01	0.10	-1.00
10395.00	89.970	151.170	6630.49	3897.07	-2856.40	2669.40	1629271.09	315438.07	39°21'31.091"N	80°48'40.155"W	3909.56	136.938	1.48	-0.17	1.47
10484.00	90.090	155.060	6630.45	3984.55	-2935.06	2711.02	1629312.71	315359.41	39°21'30.313"N	80°48'39.610"W	3995.52	137.272	2.13	0.13	2.12
10574.00	90.250	155.550	6630.18	4072.31	-3016.15	2750.04	1629351.73	315278.32	39°21'29.524"N	80°48'39.099"W	4081.65	137.642	2.77	0.18	2.77
10664.00	90.400	155.820	6629.67	4159.57	-3098.17	2787.10	1629388.79	315196.31	39°21'28.718"N	80°48'38.612"W	4167.32	138.026	0.34	0.17	0.30
10753.00	90.340	154.910	6629.10	4245.97	-3179.08	2824.15	1629425.84	315115.40	39°21'27.924"N	80°48'38.125"W	4252.34	138.384	0.96	-0.07	-0.96
10843.00	90.160	154.220	6628.71	4333.64	-3260.38	2862.76	1629464.45	315034.11	39°21'27.126"N	80°48'37.618"W	4338.84	138.715	0.86	-0.21	-0.83

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# Actual Wellpath Report

WEU4 512895 AWP Proj: 11661'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT	Slot	Slot 512895
Area	Tyler County, WV	Well	WEU4 512895
Field	Tyler	Wellbore	WEU4 512895 AWB
Facility	WEU4 Pad		

## WELLPATH DATA (130 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)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10933.00	89.750	154.200	6628.79	4421.44	-3341.42	2901.92	1629503.60	314953.08	39°21'26.33"N	80°48'37.105"W	4425.63	139.027	0.44	-0.44
11022.00	89.820	153.840	6629.12	4508.33	-3421.42	2940.91	1629542.59	314873.07	39°21'25.546"N	80°48'36.594"W	4511.66	139.319	0.41	0.08
11112.00	89.940	155.160	6629.31	4596.03	-3502.65	2979.65	1629581.33	314791.85	39°21'24.749"N	80°48'36.085"W	4598.58	139.613	1.47	0.13
11201.00	89.850	158.380	6629.47	4681.88	-3584.43	3014.75	1629616.43	314710.08	39°21'23.946"N	80°48'35.624"W	4683.68	139.934	3.62	-0.10
11291.00	90.250	161.090	6629.40	4767.36	-3668.85	3045.92	1629647.50	314625.66	39°21'23.116"N	80°48'35.211"W	4768.45	140.300	3.04	0.44
11380.00	90.220	158.980	6629.03	4851.75	-3752.49	3076.31	1629677.98	314542.02	39°21'22.294"N	80°48'34.809"W	4852.31	140.655	2.37	-0.03
11470.00	90.180	156.780	6628.72	4938.10	-3835.86	3110.19	1629711.87	314458.65	39°21'21.475"N	80°48'34.362"W	4938.33	140.964	2.44	-0.04
11559.00	89.690	153.590	6628.82	5024.57	-3916.63	3147.54	1629749.21	314377.89	39°21'20.682"N	80°48'33.872"W	5024.64	141.213	3.63	-0.55
11638.00	90.180	153.850	6628.90	5099.83	-3985.67	3181.63	1629783.30	314308.85	39°21'20.004"N	80°48'33.425"W	5099.84	141.401	0.72	0.64
11661.00	90.180	153.850	6628.83	5124.26	-4008.12	3192.65	1629794.32	314286.41	39°21'19.784"N	80°48'33.280"W	5124.26	141.461	0.00	0.00

## SOLE & CASING SECTIONS - Ref Wellbore: WEU4 512895 AWB Ref Wellpath: WEU4 512895 AWP Proj: 11661'

String/Diameter	Start MID (ft)	End MID (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	2859.09	0.00	0.00	-19.94	146.73
9.625in Casing Intermediate	18.00	2870.00	2852.00	18.00	2859.09	0.00	0.00	-19.94	146.73
8.75in Open Hole	2870.00	5063.00	2193.00	2859.09	5052.07	-19.94	146.73	-26.76	148.39
8.5in Open Hole	5063.00	11661.00	6598.00	5052.07	6628.83	-26.76	148.39	-4008.12	3192.65
5.5in Casing Production	18.00	11661.00	11643.00	18.00	6628.83	0.00	0.00	-4008.12	3192.65

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WEU4 512895 AWP Proj: 11661'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT	Slot	Slot 512895
Area	Tyler County, WV	Well	WEU4 512895
Field	Tyler	Wellbore	WEU4 512895 AWB
Facility	WEU4 Pad		

## TARGETS

Name	TVD (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Shape
WEU4 512895 LP Rev-1	6634.00	-86.62	1358.61	1627960.37	318207.71	39°21'58.274"N	80°48'57.357"W	point
WEU4 512895 BHL Rev-1	6645.18	-4012.37	3189.21	1629790.88	314282.16	39°21'19.742"N	80°48'33.323"W	point
WEU4 HL2 Rev-1	6700.00	97.99	-37.75	1626564.08	318392.30	39°21'59.896"N	80°49'15.169"W	polygon

## WELLPATH COMPOSITION - Ref Wellbore: WEU4 512895 AWB Ref Wellpath: WEU4 512895 AWP Proj: 11661'

Start MD (ft)	End MD (ft)	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	5012.00	Gyrodata standard - Continuous gyro	01_Gyrodata Cont Gyro <8-3/4">(100'-5007')	WEU4 512895 AWB
5012.00	11636.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	02_EH AT Curve + MagVar MSA <8-1/2">(5012')(5054'-11636')	WEU4 512895 AWB
11636.00	11661.00	Blind Drilling (std)	Projection to bit	WEU4 512895 AWB

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# Actual Wellpath Report

WEU4 512895 AWP Proj: 11661'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EQT	Slot	Slot 512895
Area	Tyler County, WV	Well	WEU4 512895
Field	Tyler	Wellbore	WEU4 512895 AWB
Facility	WEU4 Pad		

## COMMENTS

Wellpath general comments  
 API: 47-095-02351-0000  
 BH Job#: 109619328  
 Rig: Precision 539  
 Duration: 1/17/2019 - 1/23/2019  
 01\_Gyrodata Cont Gyro <8-3/4">(100'-5007')  
 02\_BH AT Curve + MagVar MSA <8-1/2"> (5012')(5054'-11636')  
 Projected MD at TD: 11661' MD

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API 47-095-02507

EQT

Location: Tyler County, WV  
Field: Tyler  
Facility: WELU4 Pad

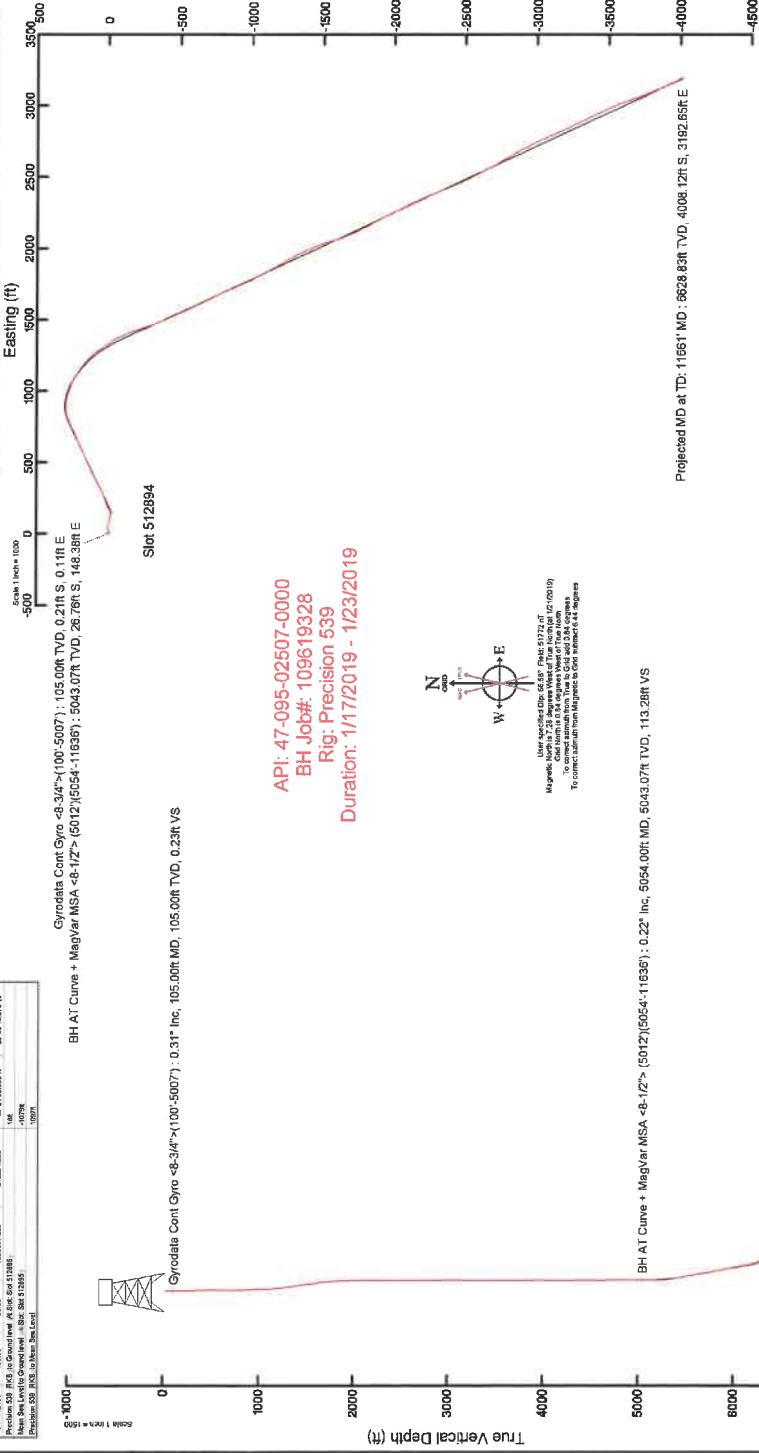
Slot: 512895  
Well: WELU4 512895  
Wellbore: WELU4 512895 RWB



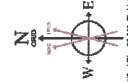
Well Name: WELU4 512895 RWB  
Well ID: 512895  
Well Type: RWB  
Well Status: Open  
Well Depth: 31628.83 ft  
Well Completion: 31628.83 ft  
Well Completion Date: 11/17/2019

Location Information	
County	TYLER
State	WV
Section	36
Township	10N
Range	10E
Grid Easting (US)	105000
Grid Northing (US)	11651000
UTM Zone	18Q
UTM Easting	105000
UTM Northing	11651000
UTM Zone	18Q
UTM Easting	105000
UTM Northing	11651000

Depth (ft)	MD (ft)	Inc. (ft)	AI (ft)	Locality (ft)	Locality (ft)	DLG (ft)	VS (ft)
0	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
100	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
200	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
300	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
400	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
500	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
600	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
700	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
800	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
900	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
1000	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
1100	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
1200	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
1300	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
1400	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
1500	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
1600	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
1700	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
1800	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
1900	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
2000	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
2100	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
2200	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
2300	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
2400	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
2500	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
2600	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
2700	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
2800	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
2900	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
3000	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
3100	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
3200	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
3300	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
3400	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
3500	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
3600	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
3700	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
3800	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
3900	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
4000	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
4100	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
4200	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
4300	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
4400	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
4500	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
4600	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
4700	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
4800	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
4900	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
5000	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
5100	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
5200	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
5300	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
5400	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
5500	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
5600	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
5700	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
5800	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
5900	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
6000	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
6100	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
6200	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
6300	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
6400	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
6500	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
6600	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
6700	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
6800	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
6900	5012.00	0.30	171210	5001.07	29.99	144.42	113.17
7000	5012.00	0.30	171210	5001.07	29.99	144.42	113.17



API: 47-095-02507-0000  
 BH Job#: 109619328  
 Rig: Precision 539  
 Duration: 1/17/2019 - 1/23/2019



Using the provided data, the well path is projected to the surface. The projected MD at TD is 11661' MD, 6628.83ft TVD, 5124.26ft VS. The projected MD at TD is 11661' MD, 6628.83ft TVD, 5124.26ft VS. The projected MD at TD is 11661' MD, 6628.83ft TVD, 5124.26ft VS.

Projected MD at TD: 11661' MD, 6628.83ft TVD, 5124.26ft VS  
 Vertical Section (ft)  
 Azimuth 141.52° with reference 0.00 N, 0.00 E  
 Scale 1 inch = 500

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Well Operator's Report of Well Work



Where energy meets innovation.

Well Number: WEU4H6 (512895)

API: 47 - 095 - 02507

Submission:  Initial  Amended

Notes:

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