



Actual Wellpath Report

WEU4 516539 AWP Proj: 10983'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 516539
Area	Tyler County, WV	Well	WEU4 516539
Field	Tyler	Wellbore	WEU4 516539 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	2/6/2019 at 2:48:47 PM
Convergence at slot	0.84° West	Database/Source file	WA_MPL_EASTERNUS_Defn/WEU4_516539_AWP_Proj_10983_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-27.99	10.78	1626553.29	318420.30	39°22'00.171"N	80°49'15.311"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 516539)	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	129.04°

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API 47-095-02510

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Field	Tyler	Wellbore	WEU4 516539 AWB
Facility	WEU4 Pad		

WELLPATH DATA (305 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	87.490	0.00	0.00	0.00	0.00	1626553.29	318420.30	39°22'00.171"N	80°49'15.311"W	0.00	0.000	0.00	0.00	0.00
18.00	0.000	87.490	18.00	0.00	0.00	0.00	1626553.29	318420.30	39°22'00.171"N	80°49'15.311"W	0.00	0.000	0.00	0.00	0.00
105.00	0.460	87.490	105.00	0.26	0.02	0.35	1626553.64	318420.32	39°22'00.171"N	80°49'15.307"W	0.35	87.490	0.53	0.53	100.56
130.00	0.450	84.320	130.00	0.41	0.03	0.55	1626553.84	318420.33	39°22'00.171"N	80°49'15.305"W	0.55	86.922	0.11	-0.04	-12.68
155.00	0.440	87.080	155.00	0.55	0.04	0.74	1626554.03	318420.34	39°22'00.171"N	80°49'15.302"W	0.74	86.598	0.09	-0.04	11.04
180.00	0.450	87.870	180.00	0.69	0.05	0.93	1626554.22	318420.35	39°22'00.171"N	80°49'15.300"W	0.94	86.781	0.05	0.04	3.16
205.00	0.450	94.190	205.00	0.85	0.05	1.13	1626554.42	318420.35	39°22'00.171"N	80°49'15.297"W	1.13	87.517	0.20	0.00	25.28
230.00	0.470	94.700	230.00	1.01	0.03	1.33	1626554.62	318420.33	39°22'00.171"N	80°49'15.295"W	1.33	88.560	0.08	0.08	2.04
255.00	0.440	94.550	254.99	1.18	0.02	1.53	1626554.82	318420.32	39°22'00.171"N	80°49'15.292"W	1.53	89.346	0.12	-0.12	-0.60
280.00	0.460	94.300	279.99	1.34	0.00	1.72	1626555.01	318420.30	39°22'00.171"N	80°49'15.290"W	1.72	89.924	0.08	0.08	-1.00
305.00	0.420	95.830	304.99	1.50	-0.01	1.92	1626555.21	318420.29	39°22'00.171"N	80°49'15.287"W	1.92	90.435	0.17	-0.16	6.12
330.00	0.380	118.200	329.99	1.65	-0.06	2.08	1626555.37	318420.24	39°22'00.170"N	80°49'15.285"W	2.08	91.736	0.64	-0.16	89.48
355.00	0.410	136.350	354.99	1.83	-0.17	2.21	1626555.50	318420.13	39°22'00.169"N	80°49'15.283"W	2.22	94.311	0.51	0.12	72.60
380.00	0.400	146.720	379.99	2.00	-0.30	2.32	1626555.61	318420.00	39°22'00.168"N	80°49'15.282"W	2.34	97.467	0.30	-0.04	41.48
405.00	0.430	155.850	404.99	2.16	-0.46	2.41	1626555.70	318419.84	39°22'00.167"N	80°49'15.281"W	2.45	100.877	0.29	0.12	36.52
430.00	0.450	161.040	429.99	2.33	-0.64	2.48	1626555.77	318419.66	39°22'00.165"N	80°49'15.280"W	2.56	104.502	0.18	0.08	20.76
455.00	0.410	170.480	454.99	2.48	-0.82	2.53	1626555.82	318419.48	39°22'00.163"N	80°49'15.279"W	2.66	108.031	0.32	-0.16	37.76
480.00	0.420	175.000	479.99	2.61	-1.00	2.55	1626555.84	318419.30	39°22'00.161"N	80°49'15.279"W	2.74	111.455	0.14	0.04	18.08
505.00	0.410	177.220	504.99	2.74	-1.18	2.56	1626555.85	318419.12	39°22'00.159"N	80°49'15.279"W	2.82	114.778	0.08	-0.04	8.88
530.00	0.400	176.010	529.99	2.85	-1.36	2.57	1626555.86	318418.94	39°22'00.158"N	80°49'15.278"W	2.91	117.847	0.05	-0.04	-4.84
555.00	0.410	177.040	554.99	2.97	-1.54	2.58	1626555.87	318418.76	39°22'00.156"N	80°49'15.278"W	3.01	120.726	0.05	0.04	4.12
580.00	0.430	180.960	579.99	3.09	-1.72	2.59	1626555.88	318418.58	39°22'00.154"N	80°49'15.278"W	3.11	123.603	0.14	0.08	15.68
605.00	0.420	176.300	604.99	3.21	-1.90	2.59	1626555.88	318418.40	39°22'00.152"N	80°49'15.278"W	3.22	126.311	0.14	-0.04	-18.64
630.00	0.410	177.800	629.98	3.33	-2.08	2.60	1626555.89	318418.22	39°22'00.151"N	80°49'15.278"W	3.33	128.721	0.06	-0.04	6.00
655.00	0.450	178.180	654.98	3.46	-2.27	2.61	1626555.90	318418.03	39°22'00.149"N	80°49'15.278"W	3.46	131.078	0.16	-0.16	1.52
680.00	0.460	167.280	679.98	3.60	-2.47	2.63	1626555.92	318417.83	39°22'00.147"N	80°49'15.277"W	3.61	133.161	0.35	0.04	-43.60
705.00	0.470	157.130	704.98	3.77	-2.66	2.69	1626555.98	318417.64	39°22'00.145"N	80°49'15.277"W	3.79	134.644	0.33	0.04	-40.60
730.00	0.460	154.690	729.98	3.95	-2.85	2.78	1626556.07	318417.45	39°22'00.143"N	80°49'15.276"W	3.98	135.705	0.09	-0.04	-9.76
755.00	0.500	145.330	754.98	4.14	-3.03	2.88	1626556.17	318417.27	39°22'00.141"N	80°49'15.274"W	4.18	136.402	0.35	0.16	-37.44
780.00	0.760	123.170	779.98	4.41	-3.21	3.08	1626556.37	318417.09	39°22'00.139"N	80°49'15.272"W	4.45	136.132	1.41	1.04	-88.64

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Area	Tyler County, WV	Well	WEU4 516539
Field	Tyler	Wellbore	WEU4 516539 AWB
Facility	WEU4 Pad		

WELLPATH DATA (305 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]	
805.00	1.120	109.290	804.98	4.81	-3.38	3.45	1626556.74	318416.92	39°22'00.138"N	80°49'15.267"W	4.83	134.381	1.69	1.44	-55.52	
830.00	1.200	108.220	829.97	5.28	-3.54	3.93	1626557.22	318416.76	39°22'00.136"N	80°49'15.261"W	5.29	132.009	0.33	0.32	-4.28	
855.00	1.230	108.110	854.96	5.78	-3.71	4.43	1626557.72	318416.59	39°22'00.135"N	80°49'15.254"W	5.78	129.884	0.12	0.12	-0.44	
880.00	1.200	107.250	879.96	6.27	-3.87	4.94	1626558.23	318416.43	39°22'00.133"N	80°49'15.248"W	6.27	128.054	0.14	-0.12	-3.44	
905.00	1.290	102.940	904.95	6.77	-4.01	5.46	1626558.75	318416.29	39°22'00.132"N	80°49'15.241"W	6.78	126.258	0.52	0.36	-17.24	
930.00	1.270	100.160	929.95	7.26	-4.12	6.01	1626559.30	318416.18	39°22'00.131"N	80°49'15.234"W	7.29	124.424	0.26	-0.08	-11.12	
955.00	1.280	99.710	954.94	7.75	-4.22	6.56	1626559.85	318416.08	39°22'00.130"N	80°49'15.227"W	7.80	122.729	0.06	0.04	-1.80	
980.00	1.280	99.740	979.93	8.24	-4.31	7.11	1626560.40	318415.99	39°22'00.129"N	80°49'15.220"W	8.31	121.225	0.00	0.00	0.12	
1005.00	1.290	100.070	1004.93	8.73	-4.41	7.66	1626560.95	318415.89	39°22'00.128"N	80°49'15.213"W	8.84	119.903	0.05	0.04	1.32	
1030.00	1.300	99.420	1029.92	9.22	-4.50	8.22	1626561.51	318415.80	39°22'00.127"N	80°49'15.206"W	9.37	118.712	0.07	0.04	-2.60	
1055.00	1.290	100.360	1054.92	9.71	-4.60	8.78	1626562.06	318415.70	39°22'00.127"N	80°49'15.199"W	9.91	117.658	0.09	-0.04	3.76	
1080.00	1.210	98.290	1079.91	10.19	-4.69	9.31	1626562.60	318415.61	39°22'00.126"N	80°49'15.192"W	10.43	116.717	0.37	-0.32	-8.28	
1105.00	1.170	94.030	1104.90	10.62	-4.74	9.83	1626563.12	318415.56	39°22'00.125"N	80°49'15.185"W	10.91	115.762	0.39	-0.16	-17.04	
1130.00	1.190	94.960	1129.90	11.05	-4.78	10.34	1626563.63	318415.52	39°22'00.125"N	80°49'15.179"W	11.40	114.824	0.11	0.08	3.72	
1155.00	1.140	93.950	1154.89	11.46	-4.82	10.85	1626564.14	318415.48	39°22'00.125"N	80°49'15.172"W	11.87	113.970	0.22	-0.20	-4.04	
1180.00	1.190	94.410	1179.89	11.88	-4.86	11.36	1626564.65	318415.44	39°22'00.124"N	80°49'15.166"W	12.35	113.172	0.20	0.20	1.84	
1205.00	1.200	94.470	1204.88	12.31	-4.90	11.88	1626565.17	318415.40	39°22'00.124"N	80°49'15.159"W	12.85	112.425	0.04	0.04	0.24	
1230.00	1.190	94.830	1229.88	12.74	-4.94	12.40	1626565.68	318415.36	39°22'00.124"N	80°49'15.153"W	13.34	111.742	0.05	-0.04	1.44	
1255.00	1.120	91.090	1254.87	13.15	-4.97	12.90	1626566.19	318415.33	39°22'00.124"N	80°49'15.146"W	13.82	111.072	0.41	-0.28	-14.96	
1280.00	1.130	91.680	1279.87	13.54	-4.98	13.39	1626566.68	318415.32	39°22'00.123"N	80°49'15.140"W	14.29	110.409	0.06	0.04	2.36	
1305.00	1.150	91.750	1304.86	13.93	-5.00	13.89	1626567.18	318415.30	39°22'00.123"N	80°49'15.134"W	14.76	109.790	0.08	0.08	0.28	
1330.00	1.160	91.210	1329.86	14.33	-5.01	14.39	1626567.68	318415.29	39°22'00.123"N	80°49'15.127"W	15.24	109.194	0.06	0.04	-2.16	
1355.00	1.180	89.490	1354.85	14.73	-5.01	14.90	1626568.19	318415.29	39°22'00.123"N	80°49'15.121"W	15.72	108.593	0.16	0.08	-6.88	
1380.00	1.150	88.700	1379.85	15.12	-5.00	15.41	1626568.70	318415.30	39°22'00.124"N	80°49'15.114"W	16.20	107.993	0.14	-0.12	-3.16	
1405.00	1.150	89.360	1404.84	15.50	-5.00	15.91	1626569.20	318415.30	39°22'00.124"N	80°49'15.108"W	16.68	107.433	0.05	0.00	2.64	
1430.00	1.090	90.540	1429.84	15.88	-5.00	16.40	1626569.69	318415.30	39°22'00.124"N	80°49'15.102"W	17.14	106.942	0.26	-0.24	4.72	
1455.00	1.070	90.640	1454.83	16.25	-5.00	16.87	1626570.16	318415.30	39°22'00.124"N	80°49'15.096"W	17.60	106.510	0.08	-0.08	0.40	
1480.00	1.080	93.990	1479.83	16.63	-5.02	17.34	1626570.63	318415.28	39°22'00.124"N	80°49'15.090"W	18.05	106.145	0.25	0.04	13.40	
1505.00	1.090	94.620	1504.82	17.02	-5.05	17.81	1626571.10	318415.25	39°22'00.123"N	80°49'15.084"W	18.51	105.845	0.06	0.04	2.52	
1530.00	1.140	98.090	1529.82	17.43	-5.11	18.29	1626571.58	318415.19	39°22'00.123"N	80°49'15.078"W	18.99	105.604	0.34	0.20	13.88	

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WELLPATH DATA (305 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]
1555.00	1.140	100.950	1554.81	17.86	-5.19	18.78	1626572.07	318415.11	39°22'00.122"N	80°49'15.071"W	19.49	105.449	0.23	0.00	11.44
1580.00	1.170	101.830	1579.81	18.31	-5.29	19.28	1626572.57	318415.01	39°22'00.121"N	80°49'15.065"W	19.99	105.347	0.14	0.12	3.52
1605.00	1.240	103.410	1604.80	18.78	-5.41	19.79	1626573.08	318414.89	39°22'00.120"N	80°49'15.058"W	20.52	105.278	0.31	0.28	6.32
1630.00	1.280	106.730	1629.80	19.28	-5.55	20.32	1626573.61	318414.75	39°22'00.119"N	80°49'15.052"W	21.07	105.273	0.33	0.16	13.28
1655.00	1.290	105.600	1654.79	19.80	-5.71	20.86	1626574.15	318414.60	39°22'00.117"N	80°49'15.045"W	21.63	105.296	0.11	0.04	-4.52
1680.00	1.300	105.070	1679.79	20.31	-5.85	21.40	1626574.69	318414.45	39°22'00.116"N	80°49'15.038"W	22.19	105.297	0.06	0.04	-2.12
1705.00	1.280	104.790	1704.78	20.83	-6.00	21.95	1626575.24	318414.30	39°22'00.115"N	80°49'15.031"W	22.75	105.288	0.08	-0.08	-1.12
1730.00	1.250	104.420	1729.77	21.33	-6.14	22.48	1626575.77	318414.16	39°22'00.113"N	80°49'15.024"W	23.31	105.272	0.12	-0.12	-1.48
1755.00	1.250	103.960	1754.77	21.82	-6.27	23.01	1626576.30	318414.03	39°22'00.112"N	80°49'15.017"W	23.85	105.247	0.04	0.00	-1.84
1780.00	1.280	103.060	1779.76	22.32	-6.40	23.55	1626576.84	318413.90	39°22'00.111"N	80°49'15.010"W	24.40	105.208	0.14	0.12	-3.60
1805.00	1.250	104.050	1804.75	22.82	-6.53	24.08	1626577.37	318413.77	39°22'00.110"N	80°49'15.004"W	24.95	105.171	0.15	-0.12	3.96
1830.00	1.240	106.030	1829.75	23.32	-6.67	24.61	1626577.90	318413.63	39°22'00.108"N	80°49'14.997"W	25.50	105.168	0.18	-0.04	7.92
1855.00	1.250	108.180	1854.74	23.82	-6.83	25.13	1626578.42	318413.47	39°22'00.107"N	80°49'14.990"W	26.04	105.209	0.19	0.04	8.60
1880.00	1.210	109.720	1879.74	24.32	-7.01	25.64	1626578.92	318413.29	39°22'00.105"N	80°49'14.984"W	26.58	105.284	0.21	-0.16	6.16
1905.00	1.250	110.310	1904.73	24.83	-7.19	26.14	1626579.43	318413.11	39°22'00.103"N	80°49'14.977"W	27.11	105.377	0.17	0.16	2.36
1930.00	1.210	112.710	1929.73	25.34	-7.39	26.64	1626579.93	318412.91	39°22'00.102"N	80°49'14.971"W	27.64	105.496	0.26	-0.16	9.60
1955.00	1.220	118.920	1954.72	25.86	-7.62	27.12	1626580.40	318412.68	39°22'00.099"N	80°49'14.965"W	28.17	105.689	0.53	0.04	24.84
1980.00	1.240	118.740	1979.71	26.39	-7.88	27.59	1626580.87	318412.43	39°22'00.097"N	80°49'14.959"W	28.69	105.933	0.08	0.08	-0.72
2005.00	1.270	117.370	2004.71	26.92	-8.13	28.07	1626581.36	318412.17	39°22'00.094"N	80°49'14.953"W	29.22	106.158	0.17	0.12	-5.48
2030.00	1.260	117.110	2029.70	27.46	-8.39	28.56	1626581.85	318411.92	39°22'00.092"N	80°49'14.946"W	29.77	106.362	0.05	-0.04	-1.04
2055.00	1.310	117.610	2054.70	28.01	-8.64	29.06	1626582.35	318411.66	39°22'00.090"N	80°49'14.940"W	30.32	106.564	0.20	0.20	2.00
2080.00	1.280	117.370	2079.69	28.57	-8.90	29.56	1626582.85	318411.40	39°22'00.087"N	80°49'14.933"W	30.87	106.763	0.12	-0.12	-0.96
2105.00	1.310	119.680	2104.68	29.12	-9.17	30.06	1626583.34	318411.13	39°22'00.084"N	80°49'14.927"W	31.42	106.973	0.24	0.12	9.24
2130.00	1.280	118.330	2129.68	29.68	-9.45	30.55	1626583.84	318410.85	39°22'00.082"N	80°49'14.921"W	31.98	107.184	0.17	-0.12	-5.40
2155.00	1.300	120.380	2154.67	30.23	-9.72	31.04	1626584.33	318410.58	39°22'00.079"N	80°49'14.914"W	32.53	107.394	0.20	0.08	8.20
2180.00	1.340	119.560	2179.66	30.80	-10.01	31.54	1626584.83	318410.29	39°22'00.076"N	80°49'14.908"W	33.09	107.611	0.18	0.16	-3.28
2205.00	1.320	121.370	2204.66	31.38	-10.31	32.04	1626585.33	318410.00	39°22'00.074"N	80°49'14.902"W	33.66	107.830	0.19	-0.08	7.24
2230.00	1.210	125.590	2229.65	31.92	-10.61	32.50	1626585.79	318409.69	39°22'00.071"N	80°49'14.896"W	34.19	108.078	0.58	-0.44	16.88
2255.00	1.210	126.100	2254.65	32.45	-10.92	32.93	1626586.22	318409.38	39°22'00.068"N	80°49'14.890"W	34.69	108.344	0.04	0.00	2.04
2280.00	1.220	128.510	2279.64	32.98	-11.24	33.35	1626586.64	318409.06	39°22'00.065"N	80°49'14.885"W	35.19	108.625	0.21	0.04	9.64

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 516539
Area	Tyler County, WV	Well	WEU4 516539
Field	Tyler	Wellbore	WEU4 516539 AWB
Facility	WEU4 Pad		

WELLPATH DATA (305 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]
2305.00	1.240	130.050	2304.63	33.52	-11.58	33.76	1626587.05	318408.72	39°22'00.061"N	80°49'14.879"W	35.69	108.929	0.15	0.08	6.16
2330.00	1.230	131.180	2329.63	34.06	-11.93	34.17	1626587.46	318408.37	39°22'00.058"N	80°49'14.874"W	36.20	109.244	0.11	-0.04	4.52
2355.00	1.280	131.910	2354.62	34.60	-12.29	34.58	1626587.87	318408.01	39°22'00.054"N	80°49'14.869"W	36.70	109.568	0.21	0.20	2.92
2380.00	1.210	134.500	2379.62	35.15	-12.66	34.98	1626588.27	318407.64	39°22'00.051"N	80°49'14.864"W	37.20	109.903	0.36	-0.28	10.36
2405.00	1.110	136.740	2404.61	35.65	-13.03	35.33	1626588.62	318407.28	39°22'00.047"N	80°49'14.859"W	37.66	110.237	0.44	-0.40	8.96
2430.00	1.030	138.160	2429.61	36.11	-13.37	35.65	1626588.94	318406.93	39°22'00.044"N	80°49'14.855"W	38.07	110.558	0.34	-0.32	5.68
2455.00	0.960	142.720	2454.60	36.54	-13.70	35.93	1626589.21	318406.60	39°22'00.041"N	80°49'14.852"W	38.45	110.879	0.42	-0.28	18.24
2480.00	1.010	142.490	2479.60	36.95	-14.04	36.19	1626589.47	318406.26	39°22'00.037"N	80°49'14.848"W	38.82	111.212	0.20	0.20	-0.92
2505.00	0.980	140.860	2504.60	37.38	-14.39	36.46	1626589.74	318405.92	39°22'00.034"N	80°49'14.845"W	39.19	111.534	0.16	-0.12	-6.52
2530.00	0.990	141.720	2529.59	37.80	-14.72	36.72	1626590.01	318405.58	39°22'00.031"N	80°49'14.841"W	39.57	111.843	0.07	0.04	3.44
2555.00	0.920	142.510	2554.59	38.20	-15.05	36.98	1626590.27	318405.25	39°22'00.027"N	80°49'14.838"W	39.93	112.144	0.28	-0.28	3.16
2580.00	0.860	144.890	2579.59	38.58	-15.36	37.21	1626590.50	318404.94	39°22'00.024"N	80°49'14.835"W	40.26	112.433	0.28	-0.24	9.52
2605.00	0.770	147.260	2604.58	38.92	-15.66	37.41	1626590.70	318404.64	39°22'00.021"N	80°49'14.832"W	40.55	112.711	0.38	-0.36	9.48
2630.00	0.670	147.500	2629.58	39.22	-15.92	37.58	1626590.87	318404.38	39°22'00.019"N	80°49'14.830"W	40.81	112.962	0.40	-0.40	0.96
2655.00	0.620	145.980	2654.58	39.48	-16.16	37.73	1626591.02	318404.14	39°22'00.017"N	80°49'14.828"W	41.05	113.180	0.21	-0.20	-6.08
2680.00	0.630	152.100	2679.58	39.74	-16.39	37.87	1626591.16	318403.91	39°22'00.014"N	80°49'14.826"W	41.27	113.402	0.27	0.04	24.48
2705.00	0.610	150.280	2704.58	39.99	-16.63	38.00	1626591.29	318403.67	39°22'00.012"N	80°49'14.825"W	41.48	113.631	0.11	-0.08	-7.28
2730.00	0.540	155.120	2729.58	40.22	-16.85	38.12	1626591.41	318403.45	39°22'00.010"N	80°49'14.823"W	41.68	113.848	0.34	-0.28	19.36
2755.00	0.450	154.740	2754.57	40.41	-17.05	38.21	1626591.50	318403.26	39°22'00.008"N	80°49'14.822"W	41.84	114.042	0.36	-0.36	-1.52
2780.00	0.460	153.230	2779.57	40.59	-17.22	38.30	1626591.59	318403.08	39°22'00.006"N	80°49'14.821"W	41.99	114.216	0.06	0.04	-6.04
2805.00	0.430	160.160	2804.57	40.77	-17.40	38.37	1626591.66	318402.90	39°22'00.004"N	80°49'14.820"W	42.14	114.393	0.25	-0.12	27.72
2830.00	0.480	156.400	2829.57	40.94	-17.59	38.45	1626591.74	318402.71	39°22'00.003"N	80°49'14.819"W	42.28	114.579	0.23	0.20	-15.04
2855.00	0.490	156.430	2854.57	41.13	-17.78	38.53	1626591.82	318402.52	39°22'00.001"N	80°49'14.818"W	42.44	114.770	0.04	0.04	0.12
2880.00	0.490	155.000	2879.57	41.32	-17.98	38.62	1626591.91	318402.33	39°21'59.999"N	80°49'14.816"W	42.60	114.958	0.05	0.00	-5.72
2905.00	0.450	158.590	2904.57	41.50	-18.16	38.70	1626591.99	318402.14	39°21'59.997"N	80°49'14.815"W	42.75	115.141	0.20	-0.16	14.36
2930.00	0.320	166.420	2929.57	41.64	-18.32	38.75	1626592.04	318401.98	39°21'59.995"N	80°49'14.815"W	42.87	115.304	0.56	-0.52	31.32
2955.00	0.290	171.610	2954.57	41.74	-18.45	38.78	1626592.07	318401.85	39°21'59.994"N	80°49'14.814"W	42.95	115.447	0.16	-0.12	20.76
2980.00	0.250	170.880	2979.57	41.83	-18.57	38.80	1626592.09	318401.73	39°21'59.993"N	80°49'14.814"W	43.01	115.577	0.16	-0.16	-2.92
3005.00	0.220	170.110	3004.57	41.91	-18.67	38.81	1626592.10	318401.63	39°21'59.992"N	80°49'14.814"W	43.07	115.689	0.12	-0.12	-3.08
3030.00	0.200	175.420	3029.57	41.97	-18.76	38.83	1626592.11	318401.54	39°21'59.991"N	80°49'14.814"W	43.12	115.791	0.11	-0.08	21.24

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 516539
Area	Tyler County, WV	Well	WEU4 516539
Field	Tyler	Wellbore	WEU4 516539 AWB
Facility	WEU4 Pad		

WELLPATH DATA (305 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]
3055.00	0.160	174.300	3054.57	42.03	-18.84	38.83	1626592.12	318401.46	39°21'59.990"N	80°49'14.814"W	43.16	115.880	0.16	-0.16	-4.48
3080.00	0.170	166.940	3079.57	42.08	-18.91	38.84	1626592.13	318401.39	39°21'59.990"N	80°49'14.813"W	43.20	115.958	0.09	0.04	-29.44
3105.00	0.120	193.450	3104.57	42.12	-18.97	38.85	1626592.14	318401.33	39°21'59.989"N	80°49'14.813"W	43.23	116.030	0.33	-0.20	106.04
3130.00	0.170	181.100	3129.57	42.16	-19.03	38.84	1626592.13	318401.27	39°21'59.988"N	80°49'14.813"W	43.25	116.108	0.23	0.20	-49.40
3155.00	0.160	204.320	3154.57	42.19	-19.10	38.83	1626592.11	318401.20	39°21'59.988"N	80°49'14.814"W	43.27	116.199	0.27	-0.04	92.88
3180.00	0.180	207.200	3179.57	42.21	-19.17	38.79	1626592.08	318401.13	39°21'59.987"N	80°49'14.814"W	43.27	116.297	0.09	0.08	11.52
3205.00	0.200	208.270	3204.57	42.22	-19.24	38.75	1626592.04	318401.06	39°21'59.986"N	80°49'14.814"W	43.27	116.407	0.08	0.08	4.28
3230.00	0.210	217.630	3229.57	42.23	-19.32	38.71	1626591.99	318400.98	39°21'59.985"N	80°49'14.815"W	43.26	116.524	0.14	0.04	37.44
3255.00	0.190	217.980	3254.57	42.23	-19.39	38.65	1626591.94	318400.91	39°21'59.985"N	80°49'14.816"W	43.24	116.638	0.08	-0.08	1.40
3280.00	0.210	200.530	3279.57	42.25	-19.46	38.61	1626591.90	318400.84	39°21'59.984"N	80°49'14.816"W	43.24	116.752	0.26	0.08	-69.80
3305.00	0.220	204.120	3304.57	42.27	-19.55	38.57	1626591.86	318400.75	39°21'59.983"N	80°49'14.817"W	43.25	116.876	0.07	0.04	14.36
3330.00	0.190	203.070	3329.57	42.30	-19.63	38.54	1626591.83	318400.67	39°21'59.982"N	80°49'14.817"W	43.25	116.994	0.12	-0.12	-4.20
3355.00	0.180	181.170	3354.57	42.33	-19.71	38.52	1626591.81	318400.59	39°21'59.982"N	80°49'14.817"W	43.27	117.095	0.28	-0.04	-87.60
3380.00	0.140	169.320	3379.57	42.38	-19.78	38.53	1626591.81	318400.52	39°21'59.981"N	80°49'14.817"W	43.31	117.174	0.21	-0.16	-47.40
3405.00	0.140	158.640	3404.57	42.43	-19.84	38.54	1626591.83	318400.46	39°21'59.980"N	80°49'14.817"W	43.35	117.233	0.10	0.00	-42.72
3430.00	0.110	172.610	3429.57	42.48	-19.89	38.56	1626591.85	318400.41	39°21'59.980"N	80°49'14.817"W	43.39	117.286	0.17	-0.12	55.88
3455.00	0.110	197.280	3454.57	42.50	-19.94	38.55	1626591.84	318400.37	39°21'59.979"N	80°49'14.817"W	43.40	117.343	0.19	0.00	98.68
3480.00	0.150	208.320	3479.57	42.52	-19.99	38.53	1626591.82	318400.31	39°21'59.979"N	80°49'14.817"W	43.41	117.417	0.19	0.16	44.16
3505.00	0.180	202.610	3504.57	42.53	-20.05	38.50	1626591.79	318400.25	39°21'59.978"N	80°49'14.818"W	43.41	117.512	0.14	0.12	-22.84
3530.00	0.160	223.090	3529.57	42.54	-20.11	38.46	1626591.75	318400.19	39°21'59.978"N	80°49'14.818"W	43.40	117.608	0.25	-0.08	81.92
3555.00	0.210	209.640	3554.57	42.55	-20.18	38.42	1626591.70	318400.12	39°21'59.977"N	80°49'14.819"W	43.39	117.713	0.26	0.20	-53.80
3580.00	0.200	214.110	3579.57	42.56	-20.26	38.37	1626591.66	318400.05	39°21'59.976"N	80°49'14.819"W	43.39	117.831	0.08	-0.04	17.88
3605.00	0.270	210.380	3604.56	42.57	-20.34	38.31	1626591.60	318399.96	39°21'59.975"N	80°49'14.820"W	43.38	117.966	0.29	0.28	-14.92
3630.00	0.240	204.110	3629.56	42.59	-20.44	38.26	1626591.55	318399.86	39°21'59.974"N	80°49'14.821"W	43.38	118.112	0.16	-0.12	-25.08
3655.00	0.280	217.240	3654.56	42.61	-20.54	38.20	1626591.49	318399.76	39°21'59.973"N	80°49'14.821"W	43.37	118.261	0.29	0.16	52.52
3680.00	0.300	203.810	3679.56	42.63	-20.65	38.14	1626591.43	318399.66	39°21'59.972"N	80°49'14.822"W	43.37	118.427	0.28	0.08	-53.72
3705.00	0.270	212.530	3704.56	42.65	-20.76	38.08	1626591.37	318399.55	39°21'59.971"N	80°49'14.823"W	43.37	118.591	0.21	-0.12	34.88
3730.00	0.280	203.350	3729.56	42.68	-20.86	38.03	1626591.31	318399.44	39°21'59.970"N	80°49'14.823"W	43.37	118.749	0.18	0.04	-36.72
3755.00	0.230	205.260	3754.56	42.70	-20.96	37.98	1626591.27	318399.34	39°21'59.969"N	80°49'14.824"W	43.38	118.895	0.20	-0.20	7.64
3780.00	0.370	212.570	3779.56	42.72	-21.08	37.92	1626591.20	318399.23	39°21'59.968"N	80°49'14.825"W	43.38	119.068	0.58	0.56	29.24

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 516539
Area	Tyler County, WV	Well	WEU4 516539
Field	Tyler	Wellbore	WEU4 516539 AWB
Facility	WEU4 Pad		

WELLPATH DATA (305 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]
3805.00	0.280	212.050	3804.56	42.74	-21.20	37.84	1626591.13	318399.11	39°21'59.967"N	80°49'14.826"W	43.37	119.255	0.36	-0.36	-2.08
3830.00	0.240	206.590	3829.56	42.76	-21.29	37.78	1626591.07	318399.01	39°21'59.966"N	80°49'14.826"W	43.37	119.404	0.19	-0.16	-21.84
3855.00	0.150	211.050	3854.56	42.78	-21.37	37.74	1626591.03	318398.93	39°21'59.965"N	80°49'14.827"W	43.37	119.517	0.36	-0.36	17.84
3880.00	0.170	205.910	3879.56	42.79	-21.43	37.71	1626591.00	318398.87	39°21'59.964"N	80°49'14.827"W	43.38	119.609	0.10	0.08	-20.56
3905.00	0.110	240.840	3904.56	42.79	-21.48	37.67	1626590.96	318398.83	39°21'59.964"N	80°49'14.828"W	43.37	119.685	0.41	-0.24	139.72
3930.00	0.100	154.290	3929.56	42.80	-21.51	37.66	1626590.95	318398.79	39°21'59.964"N	80°49'14.828"W	43.37	119.728	0.58	-0.04	-346.20
3955.00	1.180	71.320	3954.56	42.96	-21.44	37.92	1626591.20	318398.86	39°21'59.964"N	80°49'14.825"W	43.56	119.491	4.69	4.32	-331.88
3980.00	3.230	66.990	3979.54	43.42	-21.09	38.81	1626592.10	318399.21	39°21'59.968"N	80°49'14.813"W	44.17	118.518	8.22	8.20	-17.32
4005.00	5.260	66.390	4004.47	44.28	-20.35	40.51	1626593.79	318399.95	39°21'59.975"N	80°49'14.792"W	45.33	116.677	8.12	8.12	-2.40
4030.00	7.100	65.340	4029.32	45.49	-19.25	42.96	1626596.25	318401.05	39°21'59.987"N	80°49'14.761"W	47.08	114.135	7.37	7.36	-4.20
4055.00	8.910	63.970	4054.08	46.99	-17.75	46.10	1626599.39	318402.55	39°22'00.002"N	80°49'14.721"W	49.41	111.061	7.28	7.24	-5.48
4080.00	10.380	63.290	4078.73	48.73	-15.89	49.86	1626603.14	318404.41	39°22'00.021"N	80°49'14.674"W	52.33	107.680	5.90	5.88	-2.72
4105.00	12.280	64.080	4103.24	50.78	-13.72	54.26	1626607.55	318406.58	39°22'00.043"N	80°49'14.618"W	55.97	104.188	7.63	7.60	3.16
4130.00	14.060	65.150	4127.58	53.25	-11.28	59.41	1626612.69	318409.02	39°22'00.068"N	80°49'14.553"W	60.47	100.750	7.19	7.12	4.28
4155.00	15.750	66.450	4151.74	56.14	-8.65	65.27	1626618.56	318411.65	39°22'00.095"N	80°49'14.479"W	65.84	97.546	6.89	6.76	5.20
4180.00	17.930	68.350	4175.66	59.59	-5.87	71.96	1626625.25	318414.43	39°22'00.123"N	80°49'14.394"W	72.20	94.664	8.99	8.72	7.60
4205.00	20.130	69.940	4199.30	63.68	-2.98	79.58	1626632.87	318417.32	39°22'00.153"N	80°49'14.298"W	79.64	92.141	9.04	8.80	6.36
4230.00	22.580	71.070	4222.58	68.44	0.06	88.16	1626641.45	318420.36	39°22'00.184"N	80°49'14.189"W	88.16	89.963	9.94	9.80	4.52
4255.00	24.920	71.670	4245.46	73.83	3.27	97.70	1626650.99	318423.57	39°22'00.217"N	80°49'14.068"W	97.76	88.082	9.41	9.36	2.40
4280.00	27.060	72.040	4267.93	79.76	6.68	108.11	1626661.40	318426.98	39°22'00.252"N	80°49'13.936"W	108.32	86.463	8.58	8.56	1.48
4305.00	29.580	72.960	4289.94	86.31	10.24	119.42	1626672.71	318430.54	39°22'00.289"N	80°49'13.793"W	119.86	85.097	10.23	10.08	3.68
4330.00	31.760	73.630	4311.44	93.49	13.91	131.64	1626684.92	318434.21	39°22'00.327"N	80°49'13.638"W	132.37	83.969	8.83	8.72	2.68
4355.00	34.150	74.580	4332.41	101.30	17.63	144.72	1626698.00	318437.93	39°22'00.366"N	80°49'13.472"W	145.79	83.055	9.78	9.56	3.80
4380.00	36.180	75.670	4352.85	109.78	21.32	158.63	1626711.92	318441.62	39°22'00.404"N	80°49'13.296"W	160.06	82.345	8.50	8.12	4.36
4405.00	38.350	76.250	4372.74	118.88	24.99	173.32	1626726.60	318445.29	39°22'00.443"N	80°49'13.110"W	175.11	81.795	8.79	8.68	2.32
4430.00	39.890	76.290	4392.14	128.42	28.73	188.64	1626741.92	318449.03	39°22'00.482"N	80°49'12.915"W	190.82	81.339	6.16	6.16	0.16
4455.00	40.500	76.440	4411.24	138.20	32.54	204.32	1626757.60	318452.84	39°22'00.522"N	80°49'12.716"W	206.90	80.952	2.47	2.44	0.60
4480.00	40.050	76.270	4430.31	148.00	36.35	220.03	1626773.30	318456.65	39°22'00.562"N	80°49'12.517"W	223.01	80.619	1.85	-1.80	-0.68
4505.00	39.700	76.580	4449.50	157.73	40.11	235.61	1626788.88	318460.41	39°22'00.601"N	80°49'12.319"W	239.00	80.338	1.61	-1.40	1.24
4530.00	39.450	76.240	4468.77	167.40	43.85	251.09	1626804.36	318464.15	39°22'00.641"N	80°49'12.123"W	254.89	80.093	1.32	-1.00	-1.36

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 516539
Area	Tyler County, WV	Well	WEU4 516539
Field	Tyler	Wellbore	WEU4 516539 AWB
Facility	WEU4 Pad		

WELLPATH DATA (305 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]
4555.00	39.390	75.840	4488.08	176.95	47.68	266.49	1626819.77	318467.98	39°22'00.681"N	80°49'11.928"W	270.73	79.855	1.04	-0.24	-1.60
4580.00	39.860	75.740	4507.33	186.49	51.60	281.95	1626835.23	318471.90	39°22'00.722"N	80°49'11.732"W	286.63	79.629	1.90	1.88	-0.40
4605.00	39.560	74.770	4526.57	195.93	55.66	297.40	1626850.67	318475.96	39°22'00.764"N	80°49'11.536"W	302.56	79.399	2.75	-1.20	-3.88
4630.00	39.590	74.380	4545.84	205.19	59.90	312.75	1626866.02	318480.20	39°22'00.808"N	80°49'11.341"W	318.43	79.158	1.00	0.12	-1.56
4655.00	39.870	74.420	4565.06	214.43	64.20	328.14	1626881.41	318484.49	39°22'00.853"N	80°49'11.146"W	334.36	78.931	1.12	1.12	0.16
4680.00	40.270	74.790	4584.19	223.79	68.47	343.66	1626896.93	318488.76	39°22'00.897"N	80°49'10.949"W	350.41	78.732	1.86	1.60	1.48
4705.00	40.340	74.900	4603.26	233.25	72.70	359.26	1626912.54	318492.99	39°22'00.941"N	80°49'10.751"W	366.55	78.561	0.40	0.28	0.44
4730.00	40.130	74.840	4622.34	242.71	76.91	374.85	1626928.12	318497.21	39°22'00.985"N	80°49'10.554"W	382.66	78.405	0.85	-0.84	-0.24
4755.00	39.900	75.470	4641.49	252.18	81.03	390.39	1626943.66	318501.33	39°22'01.028"N	80°49'10.357"W	398.71	78.274	1.86	-0.92	2.52
4780.00	39.570	76.280	4660.72	261.76	84.93	405.89	1626959.16	318505.23	39°22'01.069"N	80°49'10.160"W	414.68	78.182	2.46	-1.32	3.24
4805.00	39.240	76.270	4680.03	271.36	88.70	421.30	1626974.57	318508.99	39°22'01.108"N	80°49'09.964"W	430.54	78.111	1.32	-1.32	-0.04
4830.00	38.820	75.770	4699.45	280.83	92.50	436.58	1626989.85	318512.79	39°22'01.148"N	80°49'09.771"W	446.27	78.038	2.10	-1.68	-2.00
4855.00	38.190	75.160	4719.02	290.08	96.40	451.65	1627004.91	318516.70	39°22'01.189"N	80°49'09.580"W	461.82	77.951	2.94	-2.52	-2.44
4880.00	37.810	74.360	4738.72	299.06	100.45	466.50	1627019.76	318520.74	39°22'01.231"N	80°49'09.391"W	477.19	77.848	2.49	-1.52	-3.20
4905.00	37.210	73.650	4758.55	307.79	104.64	481.13	1627034.40	318524.94	39°22'01.275"N	80°49'09.206"W	492.38	77.730	2.96	-2.40	-2.84
4930.00	36.650	72.590	4778.53	316.20	109.00	495.50	1627048.77	318529.30	39°22'01.320"N	80°49'09.024"W	507.35	77.593	3.39	-2.24	-4.24
4955.00	37.310	72.660	4798.51	324.52	113.49	509.86	1627063.12	318533.79	39°22'01.366"N	80°49'08.842"W	522.34	77.451	2.65	2.64	0.28
4980.00	37.430	72.320	4818.37	332.89	118.06	524.33	1627077.59	318538.35	39°22'01.414"N	80°49'08.658"W	537.45	77.311	0.95	0.48	-1.36
5005.00	37.220	72.010	4838.25	341.17	122.70	538.76	1627092.02	318543.00	39°22'01.462"N	80°49'08.475"W	552.55	77.170	1.13	-0.84	-1.24
5030.00	37.280	71.870	4858.15	349.39	127.39	553.14	1627106.41	318547.69	39°22'01.510"N	80°49'08.293"W	567.62	77.030	0.42	0.24	-0.56
5055.00	37.820	72.320	4877.97	357.70	132.08	567.64	1627120.90	318552.37	39°22'01.558"N	80°49'08.109"W	582.81	76.902	2.42	2.16	1.80
5080.00	38.470	73.180	4897.64	366.27	136.66	582.39	1627135.65	318556.95	39°22'01.606"N	80°49'07.923"W	598.21	76.795	3.36	2.60	3.44
5105.00	38.970	73.550	4917.14	375.09	141.13	597.37	1627150.63	318561.42	39°22'01.652"N	80°49'07.733"W	613.82	76.707	2.20	2.00	1.48
5130.00	39.620	73.780	4936.49	384.09	145.58	612.57	1627165.83	318565.88	39°22'01.698"N	80°49'07.540"W	629.63	76.631	2.66	2.60	0.92
5155.00	40.280	74.730	4955.65	393.34	149.94	628.02	1627181.27	318570.23	39°22'01.744"N	80°49'07.344"W	645.67	76.572	3.59	2.64	3.80
5180.00	40.140	76.440	4974.75	402.95	153.96	643.65	1627196.90	318574.25	39°22'01.786"N	80°49'07.146"W	661.80	76.548	4.45	-0.56	6.84
5205.00	39.760	77.070	4993.91	412.77	157.64	659.27	1627212.53	318577.93	39°22'01.824"N	80°49'06.948"W	677.86	76.553	2.22	-1.52	2.52
5230.00	40.130	77.510	5013.08	422.71	161.17	674.93	1627228.19	318581.46	39°22'01.861"N	80°49'06.749"W	693.91	76.570	1.86	1.48	1.76
5255.00	40.530	77.820	5032.14	432.81	164.62	690.74	1627243.99	318584.91	39°22'01.898"N	80°49'06.548"W	710.08	76.595	1.79	1.60	1.24
5280.00	40.470	77.710	5051.15	442.97	168.06	706.60	1627259.86	318588.36	39°22'01.934"N	80°49'06.347"W	726.32	76.621	0.37	-0.24	-0.44

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 516539
Area	Tyler County, WV	Well	WEU4 516539
Field	Tyler	Wellbore	WEU4 516539 AWB
Facility	WEU4 Pad		

WELLPATH DATA (305 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]
5305.00	40.020	77.280	5070.23	453.01	171.56	722.37	1627275.63	318591.85	39°22'01.971"N	80°49'06.147"W	742.47	76.640	2.12	-1.80	-1.72
5330.00	40.540	77.320	5089.30	463.02	175.11	738.14	1627291.39	318595.41	39°22'02.008"N	80°49'05.947"W	758.63	76.654	2.08	2.08	0.16
5355.00	40.690	77.090	5108.28	473.08	178.72	754.01	1627307.26	318599.01	39°22'02.046"N	80°49'05.745"W	774.90	76.666	0.85	0.60	-0.92
5380.00	40.560	76.720	5127.25	483.07	182.41	769.86	1627323.12	318602.70	39°22'02.085"N	80°49'05.544"W	791.18	76.671	1.09	-0.52	-1.48
5405.00	40.270	76.290	5146.29	492.93	186.19	785.63	1627338.87	318606.48	39°22'02.125"N	80°49'05.344"W	807.39	76.667	1.61	-1.16	-1.72
5430.00	39.560	76.520	5165.46	502.66	189.96	801.22	1627354.47	318610.25	39°22'02.164"N	80°49'05.147"W	823.43	76.662	2.90	-2.84	0.92
5455.00	39.110	76.440	5184.80	512.30	193.66	816.62	1627369.87	318613.95	39°22'02.203"N	80°49'04.951"W	839.27	76.659	1.81	-1.80	-0.32
5480.00	38.750	75.930	5204.25	521.78	197.41	831.88	1627385.13	318617.70	39°22'02.242"N	80°49'04.758"W	854.98	76.650	1.93	-1.44	-2.04
5505.00	38.650	75.370	5223.76	531.10	201.29	847.02	1627400.27	318621.58	39°22'02.283"N	80°49'04.566"W	870.61	76.632	1.46	-0.40	-2.24
5530.00	39.530	75.270	5243.16	540.43	205.28	862.27	1627415.52	318625.57	39°22'02.325"N	80°49'04.372"W	886.37	76.609	3.53	3.52	-0.40
5555.00	39.430	75.010	5262.46	549.80	209.36	877.63	1627430.88	318629.65	39°22'02.367"N	80°49'04.177"W	902.26	76.583	0.77	-0.40	-1.04
5580.00	39.420	74.560	5281.77	559.07	213.53	892.95	1627446.20	318633.82	39°22'02.411"N	80°49'03.983"W	918.13	76.552	1.14	-0.04	-1.80
5605.00	39.770	74.810	5301.03	568.36	217.74	908.32	1627461.57	318638.02	39°22'02.454"N	80°49'03.788"W	934.05	76.520	1.54	1.40	1.00
5630.00	40.220	75.220	5320.18	577.80	221.89	923.84	1627477.09	318642.18	39°22'02.498"N	80°49'03.591"W	950.12	76.494	2.09	1.80	1.64
5655.00	40.310	75.510	5339.26	587.37	225.97	939.48	1627492.72	318646.26	39°22'02.540"N	80°49'03.393"W	966.27	76.476	0.83	0.36	1.16
5680.00	40.090	75.540	5358.36	596.96	230.01	955.10	1627508.34	318650.29	39°22'02.582"N	80°49'03.195"W	982.41	76.460	0.88	-0.88	0.12
5705.00	39.900	76.620	5377.51	606.64	233.87	970.70	1627523.94	318654.16	39°22'02.623"N	80°49'02.997"W	998.47	76.454	2.88	-0.76	4.32
5730.00	39.690	77.080	5396.72	616.45	237.51	986.28	1627539.52	318657.80	39°22'02.661"N	80°49'02.799"W	1014.47	76.460	1.45	-0.84	1.84
5755.00	39.410	77.330	5415.99	626.29	241.04	1001.80	1627555.04	318661.32	39°22'02.698"N	80°49'02.602"W	1030.39	76.472	1.29	-1.12	1.00
5780.00	39.070	76.830	5435.36	636.03	244.57	1017.22	1627570.45	318664.86	39°22'02.735"N	80°49'02.407"W	1046.20	76.481	1.86	-1.36	-2.00
5805.00	39.360	76.770	5454.73	645.71	248.18	1032.60	1627585.84	318668.47	39°22'02.773"N	80°49'02.212"W	1062.01	76.486	1.17	1.16	-0.24
5830.00	39.390	75.960	5474.05	655.33	251.92	1048.02	1627601.25	318672.21	39°22'02.812"N	80°49'02.016"W	1077.87	76.484	2.06	0.12	-3.24
5855.00	39.160	75.520	5493.40	664.78	255.82	1063.36	1627616.59	318676.11	39°22'02.853"N	80°49'01.822"W	1093.69	76.473	1.44	-0.92	-1.76
5880.00	38.810	75.160	5512.84	674.10	259.80	1078.57	1627631.81	318680.09	39°22'02.895"N	80°49'01.629"W	1109.42	76.457	1.67	-1.40	-1.44
5905.00	38.820	75.920	5532.32	683.42	263.71	1093.74	1627646.98	318684.00	39°22'02.936"N	80°49'01.436"W	1125.09	76.444	1.91	0.04	3.04
5930.00	38.760	76.010	5551.80	692.83	267.51	1108.94	1627662.17	318687.80	39°22'02.975"N	80°49'01.243"W	1140.75	76.438	0.33	-0.24	0.36
5955.00	38.340	76.040	5571.35	702.20	271.27	1124.06	1627677.29	318691.56	39°22'03.015"N	80°49'01.052"W	1156.33	76.432	1.68	-1.68	0.12
5980.00	38.310	75.720	5590.97	711.49	275.05	1139.09	1627692.32	318695.34	39°22'03.054"N	80°49'00.861"W	1171.83	76.425	0.80	-0.12	-1.28
6005.00	39.030	75.630	5610.49	720.81	278.92	1154.23	1627707.46	318699.21	39°22'03.095"N	80°49'00.669"W	1187.45	76.415	2.89	2.88	-0.36
6030.00	38.890	75.240	5629.93	730.14	282.87	1169.44	1627722.67	318703.16	39°22'03.136"N	80°49'00.476"W	1203.17	76.402	1.13	-0.56	-1.56

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Operator	EQT	Slot	Slot 516539
Area	Tyler County, WV	Well	WEU4 516539
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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 ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]	
6055.00	38.420	74.660	5649.45	739.30	286.93	1184.52	1627737.75	818707.21	39°22'03.178"N	80°49'00.285"W	1218.78	76.384	2.37	-1.88	-2.32	
6080.00	38.700	74.300	5669.00	748.34	291.10	1199.54	1627752.77	818711.38	39°22'03.222"N	80°49'00.094"W	1234.35	76.359	1.44	1.12	-1.44	
6105.00	39.420	74.090	5688.41	757.41	295.39	1214.69	1627767.92	818715.67	39°22'03.266"N	80°48'59.902"W	1250.09	76.332	2.93	2.88	-0.84	
6130.00	39.110	73.510	5707.77	766.43	299.80	1229.89	1627783.12	818720.09	39°22'03.312"N	80°48'59.710"W	1265.90	76.301	1.92	-1.24	-2.32	
6155.00	38.320	72.660	5727.27	775.18	304.35	1244.85	1627798.07	818724.63	39°22'03.359"N	80°48'59.520"W	1281.51	76.261	3.81	-3.16	-3.40	
6180.00	38.030	72.710	5746.93	783.74	308.95	1259.60	1627812.83	818729.23	39°22'03.407"N	80°48'59.333"W	1296.93	76.219	1.17	-1.16	0.20	
6205.00	37.600	72.650	5766.68	792.23	313.51	1274.23	1627827.46	818733.80	39°22'03.454"N	80°48'59.148"W	1312.23	76.178	1.73	-1.72	-0.24	
6230.00	36.870	72.340	5786.58	800.57	318.06	1288.66	1627841.88	818738.35	39°22'03.501"N	80°48'58.965"W	1327.33	76.136	3.01	-2.92	-1.24	
6255.00	36.180	71.700	5806.67	808.67	322.65	1302.81	1627856.03	818742.94	39°22'03.548"N	80°48'58.785"W	1342.17	76.090	3.15	-2.76	-2.56	
6280.00	36.870	71.630	5826.76	816.70	327.33	1316.94	1627870.16	818747.62	39°22'03.597"N	80°48'58.606"W	1357.01	76.042	2.77	2.76	-0.28	
6305.00	37.600	72.030	5846.66	824.89	332.05	1331.31	1627884.53	818752.33	39°22'03.645"N	80°48'58.424"W	1372.09	75.995	3.08	2.92	1.60	
6325.00	37.820	72.230	5862.49	831.57	335.81	1342.95	1627896.17	818756.09	39°22'03.684"N	80°48'58.277"W	1384.30	75.961	1.26	1.10	1.00	
6391.00	38.790	74.700	5914.28	854.70	347.44	1382.16	1627935.38	818767.72	39°22'03.805"N	80°48'57.780"W	1425.16	75.890	2.75	1.47	3.74	
6474.00	38.810	76.180	5978.97	885.56	360.51	1432.50	1627985.72	818780.79	39°22'03.941"N	80°48'57.141"W	1477.17	75.874	1.12	0.02	1.78	
6542.00	41.940	74.510	6030.76	911.62	371.67	1475.10	1628028.32	818791.95	39°22'04.058"N	80°48'56.601"W	1521.21	75.858	4.87	4.60	-2.46	
6632.00	42.010	70.400	6097.69	944.75	389.81	1532.47	1628085.68	818810.09	39°22'04.245"N	80°48'55.874"W	1581.27	75.728	3.05	0.08	-4.57	
6722.00	41.670	69.870	6164.74	975.76	410.21	1588.93	1628142.14	818830.49	39°22'04.455"N	80°48'55.159"W	1641.03	75.524	0.54	-0.38	-0.59	
6811.00	41.850	72.540	6231.13	1007.31	429.30	1645.03	1628198.24	818849.58	39°22'04.652"N	80°48'54.448"W	1700.13	75.374	2.01	0.20	3.00	
6901.00	42.580	86.190	6297.93	1046.28	440.36	1704.18	1628257.39	818860.63	39°22'04.770"N	80°48'53.697"W	1760.16	75.512	10.21	0.81	15.17	
6990.00	44.810	96.440	6362.36	1094.85	438.84	1765.47	1628318.67	818859.12	39°22'04.764"N	80°48'52.917"W	1819.20	76.041	8.33	2.51	11.52	
7080.00	49.070	105.870	6423.87	1152.92	425.96	1829.80	1628382.99	818846.24	39°22'04.646"N	80°48'52.095"W	1878.72	76.895	8.99	4.73	10.48	
7169.00	55.290	114.700	6478.48	1219.41	401.43	1895.52	1628448.71	818821.71	39°22'04.413"N	80°48'51.254"W	1937.56	78.043	10.49	6.99	9.92	
7259.00	60.730	122.350	6526.19	1294.38	364.90	1962.41	1628515.60	818785.18	39°22'04.061"N	80°48'50.396"W	1996.04	79.466	9.40	6.04	8.50	
7349.00	65.800	130.950	6566.73	1374.56	316.89	2026.71	1628579.90	818737.17	39°22'03.596"N	80°48'49.568"W	2051.33	81.113	10.22	5.63	9.56	
7438.00	71.910	138.540	6598.86	1457.03	258.46	2085.50	1628638.69	818678.74	39°22'03.027"N	80°48'48.809"W	2101.46	82.935	10.50	6.87	8.53	
7528.00	79.160	144.140	6621.34	1542.07	190.44	2139.83	1628693.01	818610.73	39°22'02.363"N	80°48'48.105"W	2148.29	84.914	10.06	8.06	6.22	
7617.00	86.030	148.270	6632.81	1626.32	117.14	2188.86	1628742.04	818537.44	39°22'01.646"N	80°48'47.467"W	2191.99	86.937	8.99	7.72	4.64	
7707.00	89.570	152.990	6636.27	1709.90	38.80	2232.94	1628786.12	818459.10	39°22'00.878"N	80°48'46.891"W	2233.28	89.005	6.55	3.93	5.24	
7796.00	89.540	157.230	6636.96	1789.83	-41.91	2270.39	1628823.56	818378.39	39°22'00.085"N	80°48'46.399"W	2270.78	91.058	4.76	-0.03	4.76	
7886.00	89.820	157.960	6637.46	1868.88	-125.12	2304.69	1628857.87	818295.19	39°21'59.268"N	80°48'45.947"W	2308.09	93.107	0.87	0.31	0.81	

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WEU4 516539 AWP Proj: 10983'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 516539
Area	Tyler County, WV	Well	WEU4 516539
Field	Tyler	Wellbore	WEU4 516539 AWB
Facility	WEU4 Pad		

WELLPATH DATA (305 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	90.620	157.880	6637.11	1947.68	-208.52	2338.52	1628891.69	318211.80	39°21'58.449"N	80°48'45.501"W	2347.80	95.095	0.89	0.89	-0.09
8065.00	90.680	158.550	6636.10	2025.39	-291.15	2371.55	1628924.72	318129.16	39°21'57.637"N	80°48'45.065"W	2389.36	96.999	0.76	0.07	0.75
8155.00	90.680	157.030	6635.04	2104.28	-374.47	2405.57	1628958.74	318045.85	39°21'56.818"N	80°48'44.616"W	2434.54	98.848	1.69	0.00	-1.69
8244.00	90.150	155.140	6634.39	2183.55	-455.82	2441.65	1628994.81	317964.50	39°21'56.020"N	80°48'44.142"W	2483.83	100.575	2.21	-0.60	-2.12
8334.00	90.120	153.520	6634.18	2264.92	-536.94	2480.63	1629033.79	317883.39	39°21'55.224"N	80°48'43.630"W	2538.08	102.213	1.80	-0.03	-1.80
8424.00	90.180	151.150	6633.94	2347.57	-616.64	2522.41	1629075.58	317803.69	39°21'54.442"N	80°48'43.084"W	2596.69	103.737	2.63	0.07	-2.63
8513.00	90.150	150.260	6633.69	2430.29	-694.26	2565.96	1629119.12	317726.08	39°21'53.681"N	80°48'42.515"W	2658.22	105.140	1.00	-0.03	-1.00
8603.00	90.030	151.500	6633.55	2513.82	-772.88	2609.76	1629162.92	317647.46	39°21'52.911"N	80°48'41.943"W	2721.80	106.497	1.38	-0.13	1.38
8693.00	90.000	150.660	6633.52	2597.25	-851.66	2653.28	1629206.44	317568.69	39°21'52.138"N	80°48'41.374"W	2786.61	107.796	0.93	-0.03	-0.93
8782.00	89.780	150.540	6633.69	2680.02	-929.19	2696.97	1629250.12	317491.15	39°21'51.378"N	80°48'40.803"W	2852.55	109.010	0.28	-0.25	-0.13
8872.00	89.600	153.210	6634.18	2762.96	-1008.56	2739.39	1629292.54	317411.79	39°21'50.600"N	80°48'40.249"W	2919.15	110.212	2.97	-0.20	2.97
8961.00	89.720	157.560	6634.71	2842.69	-1089.45	2776.45	1629329.60	317330.91	39°21'49.806"N	80°48'39.762"W	2982.55	111.424	4.89	0.13	4.89
9051.00	89.570	160.120	6635.27	2920.78	-1173.37	2808.94	1629362.08	317246.99	39°21'48.981"N	80°48'39.333"W	3044.16	112.672	2.85	-0.17	2.84
9141.00	90.120	163.630	6635.51	2996.39	-1258.89	2836.93	1629390.08	317161.47	39°21'48.140"N	80°48'38.960"W	3103.71	113.929	3.95	0.61	3.90
9230.00	90.280	164.440	6635.20	3069.30	-1344.46	2861.41	1629414.55	317075.91	39°21'47.298"N	80°48'38.633"W	3161.52	115.167	0.93	0.18	0.91
9320.00	91.390	161.510	6633.89	3143.95	-1430.49	2887.76	1629440.90	316989.88	39°21'46.452"N	80°48'38.281"W	3222.65	116.352	3.48	1.23	-3.26
9409.00	90.180	153.130	6632.67	3222.25	-1512.53	2922.04	1629475.18	316907.85	39°21'45.646"N	80°48'37.830"W	3290.30	117.367	9.51	-1.36	-9.42
9499.00	89.850	152.410	6632.64	3304.64	-1592.56	2963.22	1629516.36	316827.83	39°21'44.861"N	80°48'37.291"W	3364.06	118.255	0.88	-0.37	-0.80
9588.00	89.750	153.900	6632.95	3385.87	-1671.96	3003.41	1629556.54	316748.42	39°21'44.082"N	80°48'36.764"W	3437.43	119.104	1.68	-0.11	1.67
9678.00	89.690	153.230	6633.39	3467.75	-1752.55	3043.47	1629596.61	316667.84	39°21'43.292"N	80°48'36.239"W	3512.00	119.935	0.75	-0.07	-0.74
9767.00	90.120	151.090	6633.54	3549.60	-1831.24	3085.03	1629638.17	316589.15	39°21'42.520"N	80°48'35.696"W	3587.60	120.693	2.45	0.48	-2.40
9857.00	89.780	147.320	6633.62	3634.07	-1908.54	3131.10	1629684.23	316511.86	39°21'41.763"N	80°48'35.095"W	3666.92	121.364	4.21	-0.38	-4.19
9946.00	90.060	146.950	6633.74	3718.66	-1983.29	3179.40	1629732.53	316437.11	39°21'41.031"N	80°48'34.466"W	3747.27	121.956	0.52	0.31	-0.42
10036.00	90.250	152.570	6633.50	3802.81	-2061.02	3224.71	1629777.83	316359.39	39°21'40.269"N	80°48'33.875"W	3827.08	122.584	6.25	0.21	6.24
10126.00	89.940	155.880	6633.35	3884.24	-2142.05	3263.84	1629816.96	316278.36	39°21'39.474"N	80°48'33.362"W	3903.97	123.277	3.69	-0.34	3.68
10215.00	89.910	156.120	6633.47	3963.57	-2223.36	3300.04	1629853.16	316197.06	39°21'38.676"N	80°48'32.886"W	3979.14	123.970	0.27	-0.03	0.27
10305.00	90.030	158.820	6633.51	4042.71	-2306.48	3334.52	1629887.64	316113.94	39°21'37.859"N	80°48'32.431"W	4054.49	124.672	3.00	0.13	3.00
10395.00	90.340	161.450	6633.22	4119.77	-2391.12	3365.10	1629918.22	316029.31	39°21'37.027"N	80°48'32.026"W	4128.11	125.396	2.94	0.34	2.92
10484.00	90.280	161.200	6632.74	4195.01	-2475.43	3393.60	1629946.71	315945.00	39°21'36.198"N	80°48'31.648"W	4200.50	126.109	0.29	-0.07	-0.28
10574.00	90.220	159.600	6632.35	4271.86	-2560.21	3423.79	1629976.90	315860.22	39°21'35.365"N	80°48'31.248"W	4275.16	126.788	1.78	-0.07	-1.78

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WEU4 516539 AWP Proj: 10983'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT	Slot	Slot 516539
Area	Tyler County, WV	Well	WEU4 516539
Field	Tyler	Wellbore	WEU4 516539 AWB
Facility	WEU4 Pad		

WELLPATH DATA (305 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	90.250	157.870	6631.98	4349.17	-2643.15	3456.06	1630009.18	315777.29	39°21'34.550"N	80°48'30.822"W	4350.93	127.408	1.94	0.03	-1.94
10753.00	90.030	157.240	6631.76	4428.25	-2726.33	3490.42	1630043.54	315694.11	39°21'33.733"N	80°48'30.369"W	4428.99	127.993	0.74	-0.24	-0.70
10843.00	90.090	157.290	6631.67	4507.55	-2809.34	3525.21	1630078.32	315611.11	39°21'32.917"N	80°48'29.911"W	4507.71	128.552	0.09	0.07	0.06
10932.00	90.250	157.790	6631.41	4585.76	-2891.58	3559.21	1630112.32	315528.86	39°21'32.109"N	80°48'29.463"W	4585.76	129.091	0.59	0.18	0.56
10983.00	90.250	157.790	6631.18	4630.47	-2938.80	3578.49	1630131.59	315481.65	39°21'31.645"N	80°48'29.209"W	4630.56	129.394	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: WEU4 516539 AWB Ref Wellpath: WEU4 516539 AWP Proj: 10983'

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	755.00	737.00	18.00	754.98	0.00	0.00	-3.03	2.88
13.375in Casing Surface	18.00	755.00	737.00	18.00	754.98	0.00	0.00	-3.03	2.88
12.25in Open Hole	755.00	2870.00	2115.00	754.98	2869.57	-3.03	2.88	-17.90	38.58
9.625in Casing Intermediate	18.00	2870.00	2852.00	18.00	2869.57	0.00	0.00	-17.90	38.58
8.75in Open Hole	2870.00	6464.00	3594.00	2869.57	5971.17	-17.90	38.58	359.00	1426.42
8.5in Open Hole	6464.00	10983.00	4519.00	5971.17	6631.18	359.00	1426.42	-2938.80	3578.49
5.5in Casing Production	18.00	10983.00	10965.00	18.00	6631.18	0.00	0.00	-2938.80	3578.49

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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 516539
Area	Tyler County, WV	Well	WEU4 516539
Field	Tyler	Wellbore	WEU4 516539 AWB
Facility	WEU4 Pad		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
WEU4 516539 LP Rev-1	6634.00	66.75	2205.83	1628759.01	318487.04	39°22'01.150"N	80°48'47.241"W	point
WEU4 516539 BHL Rev-1	6639.75	-2916.39	3596.87	1630149.98	315504.06	39°21'31.870"N	80°48'28.979"W	point
WEU4 HL2 Rev-1	6700.00	-28.00	10.79	1626564.08	318392.30	39°21'59.896"N	80°49'15.169"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: WEU4 516539 AWB Ref Wellpath: WEU4 516539 AWP Proj: 10983'				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	6391.00	Gyrodata standard - Continuous gyro	01 Gyrodata Cont Gyro <8-3/4">(105'-6391')	WEU4 516539 AWB
6391.00	10932.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	02 BH AT Curve + MagVar MSA <8-1/2">(6391')(6474'-10932')	WEU4 516539 AWB
10932.00	10983.00	Blind Drilling (std)	Projection to bit	WEU4 516539 AWB

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Actual Wellpath Report

WEU4 516539 AWP Proj: 10983'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT	Slot	Slot 516539
Area	Tyler County, WV	Well	WEU4 516539
Field	Tyler	Wellbore	WEU4 516539 AWB
Facility	WEU4 Pad		

COMMENTS

Wellpath general comments
 API: 47-095-02318-0000
 BH Job#: 109589954
 Rig: Precision 539
 Duration: 1/29/2019 - 2/3/2019
 01_Gyrodata Cont Gyro <8-3/4">(105'-6391')
 02_BH AT Curve + MagVar MSA <8-1/2">(6391')(6474'-10932')
 Projected MD at TD: 10983'

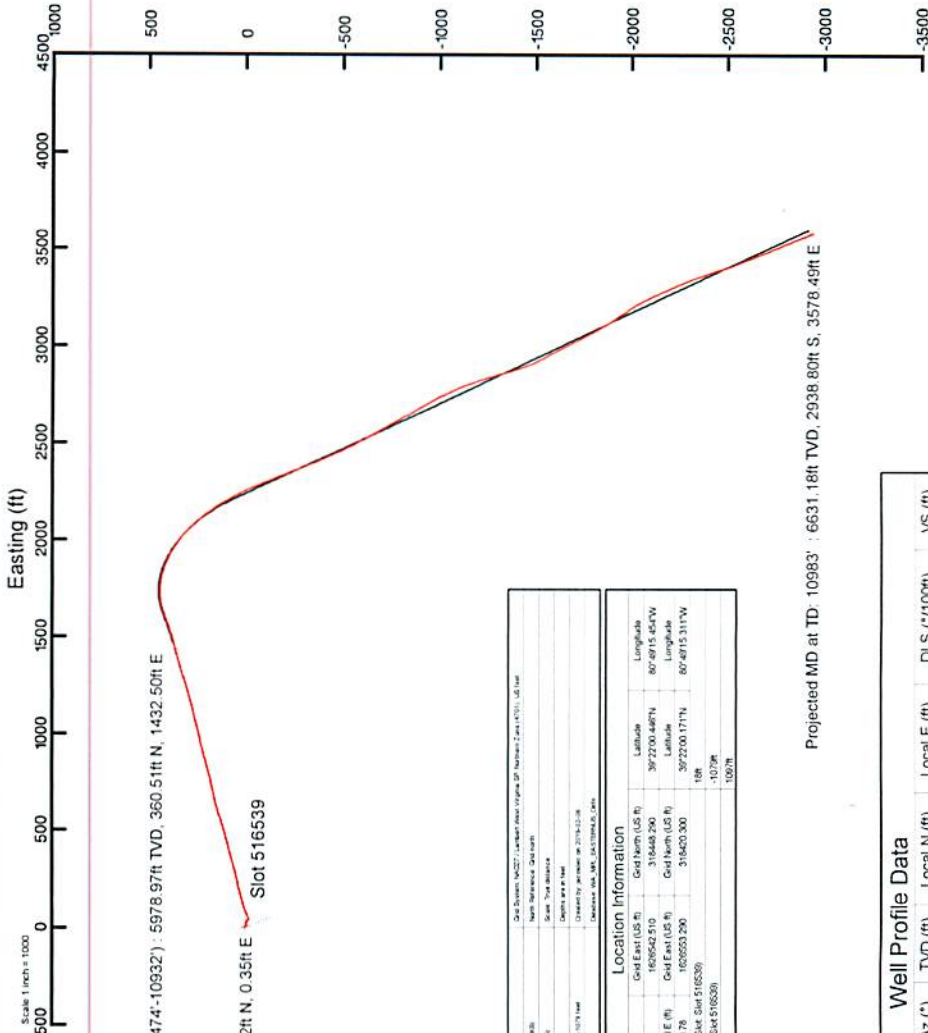
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API: 47-095-02510-0000

BH Job#: 109589954

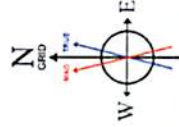
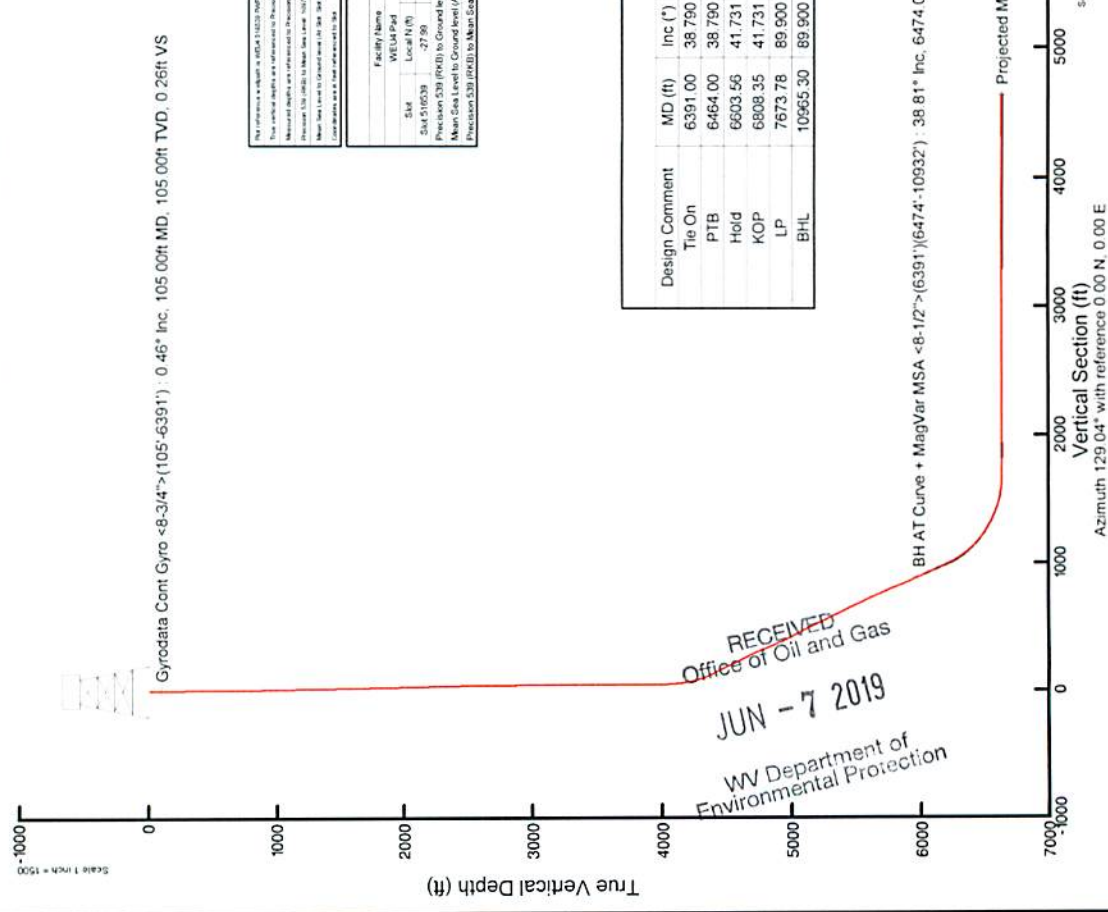
Rig: Precision 539

Duration: 1/29/2019 - 2/3/2019



Location Information	
Facility Name	WEU4 Pad
Grid East (US Ft)	318449.290
Grid North (US Ft)	102653.290
Local N (ft)	10.78
Local E (ft)	10.78
Latitude	39°22'00.171"N
Longitude	80°47'15.311"W
Grid East (US Ft)	318420.300
Grid North (US Ft)	102653.290
Local N (ft)	10.78
Local E (ft)	10.78
Latitude	39°22'00.171"N
Longitude	80°47'15.311"W
Mean Sea Level to Ground level (M Slot 516539)	10.78
Mean Sea Level to Ground level (M Slot 516539)	10.78

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (*/100ft)	VS (ft)
Tie On	6391.00	38.790	74.700	5914.28	347.44	1382.16	2.75	854.70
PTB	6464.00	38.790	74.700	5971.18	359.50	1426.28	0.00	881.36
Hold	6603.56	41.731	70.086	6077.69	386.87	1512.15	3.00	930.82
KOP	6808.35	41.731	70.086	6230.52	433.30	1640.32	0.00	1001.12
LP	7673.78	89.900	155.000	6634.00	66.75	2205.83	10.00	1671.24
BHL	10565.30	89.900	155.000	6639.75	-2916.39	3596.87	0.00	4630.64



User specified Dip: 66.59° Field: 51781 NT
 Magnetic North: 7.29 degrees West of True North (at 12/24/2018)
 Grid North: 0.84 degrees West of True North
 To correct azimuth from Magnetic to Grid subtract 6.45 degrees

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Well Operator's Report of Well Work



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Well Number: WEU4H12 (516539)

API: 47 - 095 - 02510

Submission: Initial Amended

Notes: Please Note That Wireline Stage 16
Was Re-Perforated.

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