

Received
Office of Oil & Gas
DEC 10 2014

Actual Wellpath Report

Statler 6H (AWP)Proj:15420'

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61-01656

REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #6
Area	Monongalia County, WV	Well	Statler 6H
Field	Monongalia	Wellbore	Statler 6H (AWB)
Facility	Statler		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 4.0.1
North Reference	Grid	User	Frisjesl
Scale	0.999942	Report Generated	10/Oct/2013 at 16:43
Convergence at slot	0.43° West	Database/Source file	WA_EasternUS/Statler_6H_AWB_.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-55.44	38.74	1777724.44	440585.21	39°42'27.569"N	80°10'41.189"W
Facility Reference Pt			1777685.71	440640.65	39°42'28.114"N	80°10'41.690"W
Field Reference Pt			600000.00	0.00	38°24'00.345"N	84°16'35.572"W

WELLPATH DATUM

Calculation method	Minimum curvature	Pioneer 59 (RT) to Facility Vertical Datum	1080.00ft
Horizontal Reference Pt	Slot	Pioneer 59 (RT) to Mean Sea Level	1080.00ft
Vertical Reference Pt	Pioneer 59 (RT)	Pioneer 59 (RT) to Mud Line at Slot (Slot #6)	1080.00ft
MD Reference Pt	Pioneer 59 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	135.65°

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Area	Monongalia County, WV	Well	Statler 6H
Field	Monongalia	Wellbore	Statler 6H (AWB)
Facility	Statler		

WELLPATH DATA (322 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]
0.00†	0.000	293.000	0.00	0.00	0.00	0.00	1777724.44	440585.21	39°42'27.569"N	80°10'41.189"W	0.00	0.000	0.00
19.00	0.000	293.000	19.00	0.00	0.00	0.00	1777724.44	440585.21	39°42'27.569"N	80°10'41.189"W	0.00	0.000	0.00
1055.00	0.200	293.000	1055.00	-1.67	0.71	-1.66	1777722.78	440585.92	39°42'27.576"N	80°10'41.210"W	1.81	293.000	0.02
1087.00	0.200	303.400	1087.00	-1.77	0.76	-1.76	1777722.68	440585.97	39°42'27.576"N	80°10'41.212"W	1.92	293.301	0.11
1118.00	0.200	292.800	1118.00	-1.88	0.81	-1.86	1777722.59	440586.02	39°42'27.577"N	80°10'41.213"W	2.03	293.556	0.12
1150.00	0.200	253.200	1150.00	-1.95	0.82	-1.96	1777722.48	440586.03	39°42'27.577"N	80°10'41.214"W	2.13	292.561	0.42
1181.00	0.200	229.300	1181.00	-1.98	0.76	-2.06	1777722.39	440585.98	39°42'27.576"N	80°10'41.215"W	2.19	290.401	0.27
1213.00	0.300	249.500	1213.00	-2.02	0.70	-2.18	1777722.27	440585.91	39°42'27.576"N	80°10'41.217"W	2.29	287.800	0.41
1244.00	0.200	278.800	1244.00	-2.10	0.68	-2.31	1777722.14	440585.89	39°42'27.576"N	80°10'41.219"W	2.40	286.398	0.51
1275.00	0.300	261.800	1275.00	-2.19	0.68	-2.44	1777722.00	440585.89	39°42'27.575"N	80°10'41.220"W	2.53	285.472	0.40
1307.00	0.200	251.600	1307.00	-2.26	0.65	-2.58	1777721.87	440585.86	39°42'27.575"N	80°10'41.222"W	2.65	284.074	0.34
1338.00	0.200	243.300	1338.00	-2.30	0.60	-2.67	1777721.77	440585.82	39°42'27.575"N	80°10'41.223"W	2.74	282.729	0.09
1369.00	0.100	300.700	1369.00	-2.34	0.59	-2.75	1777721.70	440585.81	39°42'27.575"N	80°10'41.224"W	2.81	282.198	0.54
1401.00	0.200	273.800	1401.00	-2.41	0.61	-2.83	1777721.62	440585.83	39°42'27.575"N	80°10'41.225"W	2.89	282.212	0.37
1433.00	0.200	301.200	1433.00	-2.51	0.64	-2.93	1777721.51	440585.86	39°42'27.575"N	80°10'41.227"W	3.00	282.403	0.30
1465.00	0.300	292.700	1465.00	-2.64	0.71	-3.05	1777721.39	440585.92	39°42'27.576"N	80°10'41.228"W	3.14	283.006	0.33
1497.00	0.300	320.300	1496.99	-2.80	0.80	-3.19	1777721.26	440586.02	39°42'27.577"N	80°10'41.230"W	3.29	284.137	0.45
1528.00	0.300	295.700	1527.99	-2.96	0.90	-3.31	1777721.13	440586.11	39°42'27.578"N	80°10'41.231"W	3.43	285.209	0.41
1559.00	0.300	292.600	1558.99	-3.11	0.97	-3.46	1777720.98	440586.18	39°42'27.578"N	80°10'41.233"W	3.59	285.611	0.05
1591.00	0.400	327.600	1590.99	-3.30	1.09	-3.60	1777720.85	440586.31	39°42'27.580"N	80°10'41.235"W	3.76	286.906	0.72
1622.00	0.300	313.500	1621.99	-3.48	1.24	-3.71	1777720.73	440586.45	39°42'27.581"N	80°10'41.237"W	3.91	288.470	0.42
1654.00	0.300	308.000	1653.99	-3.65	1.35	-3.84	1777720.60	440586.56	39°42'27.582"N	80°10'41.238"W	4.07	289.364	0.09
1686.00	0.500	322.700	1685.99	-3.87	1.51	-3.99	1777720.45	440586.73	39°42'27.584"N	80°10'41.240"W	4.27	290.754	0.70
1717.00	0.400	300.100	1716.99	-4.11	1.67	-4.17	1777720.28	440586.89	39°42'27.585"N	80°10'41.242"W	4.49	291.891	0.65
1749.00	0.400	313.500	1748.99	-4.33	1.81	-4.34	1777720.10	440587.02	39°42'27.587"N	80°10'41.245"W	4.70	292.587	0.29
1781.00	0.400	312.000	1780.99	-4.55	1.96	-4.51	1777719.94	440587.17	39°42'27.588"N	80°10'41.247"W	4.91	293.484	0.03
1812.00	0.500	304.200	1811.99	-4.79	2.11	-4.70	1777719.74	440587.32	39°42'27.589"N	80°10'41.249"W	5.15	294.147	0.38
1844.00	0.500	308.300	1843.99	-5.07	2.27	-4.92	1777719.52	440587.49	39°42'27.591"N	80°10'41.252"W	5.42	294.765	0.11
1875.00	0.400	320.200	1874.99	-5.31	2.44	-5.10	1777719.34	440587.65	39°42'27.593"N	80°10'41.254"W	5.65	295.557	0.44
1906.00	0.500	308.300	1905.98	-5.55	2.61	-5.28	1777719.17	440587.82	39°42'27.594"N	80°10'41.257"W	5.88	296.287	0.44

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Area	Monongalia County, WV	Well	Statler 6H
Field	Monongalia	Wellbore	Statler 6H (AWB)
Facility	Statler		

WELLPATH DATA (322 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]
1937.00	0.300	325.400	1936.98	-5.77	2.76	-5.43	1777719.02	440587.97	39°42'27.596"N	80°10'41.259"W	6.09	296.923	0.74
1969.00	0.400	328.900	1968.98	-5.96	2.92	-5.53	1777718.91	440588.14	39°42'27.597"N	80°10'41.260"W	6.26	297.831	0.32
2000.00	0.300	319.100	1999.98	-6.14	3.08	-5.64	1777718.80	440588.29	39°42'27.599"N	80°10'41.261"W	6.43	298.591	0.37
2032.00	0.300	335.400	2031.98	-6.31	3.21	-5.73	1777718.71	440588.43	39°42'27.600"N	80°10'41.263"W	6.57	299.285	0.27
2063.00	0.300	315.800	2062.98	-6.46	3.35	-5.82	1777718.62	440588.56	39°42'27.602"N	80°10'41.264"W	6.72	299.890	0.33
2095.00	0.200	356.800	2094.98	-6.59	3.46	-5.88	1777718.56	440588.68	39°42'27.603"N	80°10'41.265"W	6.83	300.475	0.62
2127.00	0.200	357.500	2126.98	-6.67	3.57	-5.89	1777718.55	440588.79	39°42'27.604"N	80°10'41.265"W	6.89	301.251	0.01
2159.00	0.300	322.600	2158.98	-6.80	3.70	-5.94	1777718.50	440588.91	39°42'27.605"N	80°10'41.265"W	7.00	301.881	0.56
2194.00	0.100	312.700	2193.98	-6.92	3.79	-6.02	1777718.42	440589.00	39°42'27.606"N	80°10'41.266"W	7.11	302.189	0.58
2283.00	0.000	5.000	2282.98	-7.00	3.84	-6.08	1777718.37	440589.06	39°42'27.607"N	80°10'41.267"W	7.19	302.301	0.11
2313.00	0.100	335.700	2312.98	-7.02	3.87	-6.09	1777718.35	440589.08	39°42'27.607"N	80°10'41.267"W	7.21	302.416	0.33
2345.00	0.100	82.000	2344.98	-7.03	3.90	-6.07	1777718.37	440589.11	39°42'27.607"N	80°10'41.267"W	7.21	302.681	0.50
2377.00	0.000	305.600	2376.98	-7.01	3.90	-6.04	1777718.40	440589.11	39°42'27.607"N	80°10'41.267"W	7.19	302.826	0.31
2407.00	0.100	168.500	2406.98	-6.99	3.87	-6.04	1777718.40	440589.09	39°42'27.607"N	80°10'41.267"W	7.18	302.677	0.33
2439.00	0.100	174.500	2438.98	-6.95	3.82	-6.03	1777718.41	440589.03	39°42'27.606"N	80°10'41.267"W	7.14	302.340	0.03
2470.00	0.200	164.300	2469.98	-6.88	3.74	-6.01	1777718.43	440588.95	39°42'27.606"N	80°10'41.266"W	7.08	301.874	0.33
2501.00	0.300	132.900	2500.98	-6.75	3.63	-5.94	1777718.50	440588.85	39°42'27.604"N	80°10'41.265"W	6.96	301.446	0.54
2532.00	0.100	186.400	2531.98	-6.65	3.55	-5.88	1777718.56	440588.76	39°42'27.604"N	80°10'41.265"W	6.87	301.108	0.82
2563.00	0.100	186.000	2562.98	-6.62	3.50	-5.89	1777718.55	440588.71	39°42'27.603"N	80°10'41.265"W	6.85	300.697	0.00
2594.00	0.200	164.300	2593.98	-6.55	3.42	-5.88	1777718.57	440588.63	39°42'27.602"N	80°10'41.265"W	6.80	300.175	0.37
2626.00	0.200	108.500	2625.98	-6.45	3.35	-5.81	1777718.63	440588.56	39°42'27.602"N	80°10'41.264"W	6.70	299.940	0.58
2658.00	0.200	162.100	2657.98	-6.35	3.28	-5.74	1777718.70	440588.49	39°42'27.601"N	80°10'41.263"W	6.61	299.711	0.56
2689.00	0.100	68.200	2688.98	-6.30	3.23	-5.70	1777718.75	440588.45	39°42'27.601"N	80°10'41.262"W	6.55	299.577	0.74
2721.00	0.400	112.600	2720.98	-6.18	3.20	-5.57	1777718.87	440588.42	39°42'27.600"N	80°10'41.261"W	6.42	299.893	1.05
2752.00	0.400	127.600	2751.98	-5.97	3.09	-5.38	1777719.06	440588.31	39°42'27.599"N	80°10'41.258"W	6.21	299.885	0.34
2782.00	0.300	108.100	2781.98	-5.80	3.01	-5.23	1777719.22	440588.22	39°42'27.598"N	80°10'41.256"W	6.03	299.904	0.51
2814.00	0.200	138.000	2813.98	-5.67	2.94	-5.11	1777719.34	440588.15	39°42'27.598"N	80°10'41.255"W	5.89	299.902	0.50
2844.00	0.300	83.900	2843.98	-5.57	2.91	-5.00	1777719.45	440588.12	39°42'27.597"N	80°10'41.253"W	5.78	300.199	0.81
2876.00	0.300	137.200	2875.98	-5.44	2.85	-4.85	1777719.59	440588.07	39°42'27.597"N	80°10'41.251"W	5.63	300.454	0.84
2907.00	0.300	106.700	2906.98	-5.28	2.77	-4.72	1777719.72	440587.99	39°42'27.596"N	80°10'41.250"W	5.48	300.411	0.51

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Statler 6H (AWP)Proj:15420'

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Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #6
Area	Monongalia County, WV	Well	Statler 6H
Field	Monongalia	Wellbore	Statler 6H (AWB)
Facility	Statler		

WELLPATH DATA (322 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]
2938.00	0.400	104.300	2937.98	-5.12	2.72	-4.54	1777719.90	440587.94	39°42'27.596"N	80°10'41.247"W	5.29	300.945	0.33
2969.00	0.400	125.700	2968.98	-4.92	2.63	-4.35	1777720.10	440587.85	39°42'27.595"N	80°10'41.245"W	5.08	301.193	0.48
3000.00	0.300	144.100	2999.97	-4.73	2.50	-4.21	1777720.23	440587.72	39°42'27.593"N	80°10'41.243"W	4.90	300.724	0.48
3031.00	0.300	121.800	3030.97	-4.57	2.39	-4.09	1777720.35	440587.61	39°42'27.592"N	80°10'41.242"W	4.74	300.317	0.37
3062.00	0.200	103.700	3061.97	-4.45	2.34	-3.97	1777720.47	440587.55	39°42'27.592"N	80°10'41.240"W	4.61	300.483	0.41
3094.00	0.200	147.300	3093.97	-4.35	2.28	-3.89	1777720.55	440587.49	39°42'27.591"N	80°10'41.239"W	4.51	300.367	0.46
3124.00	0.100	155.400	3123.97	-4.27	2.21	-3.85	1777720.59	440587.42	39°42'27.591"N	80°10'41.238"W	4.44	299.867	0.34
3156.00	0.400	125.500	3155.97	-4.14	2.12	-3.75	1777720.70	440587.33	39°42'27.590"N	80°10'41.237"W	4.31	299.505	0.99
3188.00	0.100	94.000	3187.97	-4.00	2.05	-3.63	1777720.82	440587.27	39°42'27.589"N	80°10'41.236"W	4.17	299.510	1.00
3220.00	0.400	103.900	3219.97	-3.89	2.02	-3.49	1777720.95	440587.24	39°42'27.589"N	80°10'41.234"W	4.04	300.108	0.94
3250.00	0.500	142.100	3249.97	-3.67	1.90	-3.31	1777721.13	440587.11	39°42'27.587"N	80°10'41.232"W	3.81	299.811	1.03
3282.00	0.400	154.900	3281.97	-3.43	1.69	-3.18	1777721.27	440586.90	39°42'27.585"N	80°10'41.230"W	3.60	297.943	0.44
3314.00	0.200	111.700	3313.97	-3.27	1.56	-3.08	1777721.37	440586.78	39°42'27.584"N	80°10'41.229"W	3.45	296.929	0.90
3346.00	0.200	76.800	3345.97	-3.19	1.56	-2.97	1777721.47	440586.77	39°42'27.584"N	80°10'41.227"W	3.35	297.631	0.37
3378.00	0.300	117.800	3377.97	-3.08	1.53	-2.84	1777721.60	440586.74	39°42'27.584"N	80°10'41.226"W	3.23	298.275	0.62
3410.00	0.100	100.600	3409.97	-2.98	1.48	-2.74	1777721.70	440586.70	39°42'27.583"N	80°10'41.224"W	3.12	298.444	0.65
3441.00	0.200	188.300	3440.97	-2.92	1.43	-2.72	1777721.72	440586.64	39°42'27.583"N	80°10'41.224"W	3.07	297.651	0.71
3471.00	0.100	179.200	3470.97	-2.87	1.35	-2.73	1777721.71	440586.56	39°42'27.582"N	80°10'41.224"W	3.04	296.288	0.34
3503.00	0.200	188.900	3502.97	-2.82	1.27	-2.74	1777721.71	440586.48	39°42'27.581"N	80°10'41.224"W	3.02	294.803	0.32
3534.00	0.400	161.800	3533.97	-2.69	1.11	-2.71	1777721.73	440586.32	39°42'27.580"N	80°10'41.224"W	2.93	292.238	0.77
3566.00	0.500	135.300	3565.97	-2.45	0.90	-2.58	1777721.86	440586.12	39°42'27.578"N	80°10'41.222"W	2.73	289.307	0.71
3597.00	0.500	157.300	3596.97	-2.19	0.68	-2.43	1777722.01	440585.90	39°42'27.576"N	80°10'41.220"W	2.53	285.680	0.62
3628.00	0.400	131.800	3627.97	-1.95	0.49	-2.30	1777722.14	440585.70	39°42'27.574"N	80°10'41.218"W	2.35	281.931	0.71
3660.00	0.300	127.500	3659.97	-1.76	0.36	-2.15	1777722.29	440585.57	39°42'27.572"N	80°10'41.217"W	2.18	279.517	0.32
3691.00	0.300	177.200	3690.97	-1.62	0.23	-2.08	1777722.36	440585.44	39°42'27.571"N	80°10'41.216"W	2.09	276.303	0.81
3723.00	0.300	129.800	3722.96	-1.47	0.09	-2.01	1777722.43	440585.31	39°42'27.570"N	80°10'41.215"W	2.01	272.633	0.75
3755.00	0.300	130.000	3754.96	-1.31	-0.01	-1.88	1777722.56	440585.20	39°42'27.569"N	80°10'41.213"W	1.88	269.546	0.00
3787.00	0.300	139.700	3786.96	-1.14	-0.13	-1.77	1777722.68	440585.08	39°42'27.568"N	80°10'41.212"W	1.77	265.703	0.16
3818.00	0.100	129.800	3817.96	-1.03	-0.21	-1.69	1777722.75	440585.00	39°42'27.567"N	80°10'41.211"W	1.71	262.864	0.65
3850.00	0.200	194.300	3849.96	-0.97	-0.28	-1.68	1777722.76	440584.93	39°42'27.566"N	80°10'41.211"W	1.71	260.435	0.57

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REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #6
Area	Monongalia County, WV	Well	Statler 6H
Field	Monongalia	Wellbore	Statler 6H (AWB)
Facility	Statler		

WELLPATH DATA (322 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]
3882.00	0.300	146.900	3881.96	-0.86	-0.41	-1.65	1777722.79	440584.81	39°42'27.565"N	80°10'41.210"W	1.70	256.127	0.69
3914.00	0.400	148.600	3913.96	-0.67	-0.57	-1.55	1777722.89	440584.64	39°42'27.563"N	80°10'41.209"W	1.65	249.674	0.31
3945.00	0.400	165.700	3944.96	-0.47	-0.77	-1.47	1777722.98	440584.44	39°42'27.561"N	80°10'41.208"W	1.66	242.256	0.38
3977.00	0.300	139.200	3976.96	-0.29	-0.94	-1.38	1777723.06	440584.27	39°42'27.560"N	80°10'41.207"W	1.67	235.730	0.59
4008.00	0.300	132.100	4007.96	-0.13	-1.06	-1.27	1777723.17	440584.16	39°42'27.558"N	80°10'41.205"W	1.65	230.194	0.12
4040.00	0.200	114.500	4039.96	0.00	-1.14	-1.16	1777723.29	440584.08	39°42'27.558"N	80°10'41.204"W	1.62	225.483	0.39
4072.00	0.300	186.600	4071.96	0.11	-1.24	-1.12	1777723.33	440583.97	39°42'27.557"N	80°10'41.203"W	1.67	221.890	0.95
4135.00	0.300	110.500	4134.96	0.36	-1.47	-0.98	1777723.46	440583.75	39°42'27.554"N	80°10'41.201"W	1.76	213.777	0.59
4167.00	0.200	142.600	4166.96	0.49	-1.54	-0.87	1777723.58	440583.67	39°42'27.554"N	80°10'41.200"W	1.77	209.416	0.53
4198.00	0.400	178.700	4197.96	0.63	-1.69	-0.83	1777723.61	440583.52	39°42'27.552"N	80°10'41.199"W	1.88	206.221	0.86
4230.00	0.400	183.700	4229.96	0.78	-1.91	-0.84	1777723.61	440583.30	39°42'27.550"N	80°10'41.200"W	2.09	203.631	0.11
4261.00	0.300	187.300	4260.96	0.91	-2.10	-0.85	1777723.59	440583.11	39°42'27.548"N	80°10'41.200"W	2.27	202.124	0.33
4293.00	0.300	184.200	4292.96	1.01	-2.27	-0.87	1777723.57	440582.95	39°42'27.547"N	80°10'41.200"W	2.43	201.011	0.05
4324.00	0.500	204.800	4323.96	1.12	-2.47	-0.93	1777723.51	440582.74	39°42'27.544"N	80°10'41.201"W	2.64	200.695	0.78
4355.00	0.500	208.600	4354.96	1.20	-2.71	-1.06	1777723.39	440582.50	39°42'27.542"N	80°10'41.202"W	2.91	201.252	0.11
4387.00	0.500	212.100	4386.95	1.28	-2.96	-1.20	1777723.25	440582.26	39°42'27.540"N	80°10'41.204"W	3.19	202.045	0.10
4419.00	0.300	200.500	4418.95	1.34	-3.15	-1.30	1777723.14	440582.06	39°42'27.538"N	80°10'41.205"W	3.41	202.417	0.67
4450.00	0.200	220.300	4449.95	1.38	-3.27	-1.36	1777723.08	440581.95	39°42'27.537"N	80°10'41.206"W	3.54	202.642	0.42
4482.00	0.500	230.000	4481.95	1.38	-3.40	-1.51	1777722.94	440581.81	39°42'27.535"N	80°10'41.208"W	3.72	203.891	0.95
4513.00	0.500	227.500	4512.95	1.36	-3.58	-1.71	1777722.73	440581.63	39°42'27.533"N	80°10'41.211"W	3.97	205.533	0.07
4543.00	0.300	211.600	4542.95	1.38	-3.74	-1.85	1777722.60	440581.48	39°42'27.532"N	80°10'41.212"W	4.17	206.321	0.76
4575.00	0.200	228.300	4574.95	1.40	-3.84	-1.93	1777722.51	440581.37	39°42'27.531"N	80°10'41.213"W	4.30	206.702	0.38
4607.00	0.600	227.100	4606.95	1.39	-3.99	-2.10	1777722.35	440581.22	39°42'27.529"N	80°10'41.215"W	4.51	207.704	1.25
4638.00	0.600	238.100	4637.95	1.35	-4.19	-2.35	1777722.09	440581.02	39°42'27.527"N	80°10'41.219"W	4.81	209.326	0.37
4670.00	0.600	243.900	4669.95	1.26	-4.35	-2.65	1777721.80	440580.86	39°42'27.526"N	80°10'41.222"W	5.09	211.303	0.19
4702.00	0.700	268.700	4701.94	1.08	-4.43	-2.99	1777721.45	440580.78	39°42'27.525"N	80°10'41.227"W	5.35	214.035	0.92
4734.00	0.600	284.300	4733.94	0.80	-4.39	-3.35	1777721.09	440580.82	39°42'27.525"N	80°10'41.231"W	5.53	217.325	0.63
4766.00	0.500	276.300	4765.94	0.55	-4.34	-3.65	1777720.79	440580.88	39°42'27.526"N	80°10'41.235"W	5.67	220.094	0.39
4797.00	0.700	283.400	4796.94	0.28	-4.28	-3.97	1777720.47	440580.94	39°42'27.526"N	80°10'41.239"W	5.84	222.859	0.69
4829.00	0.600	283.900	4828.94	-0.02	-4.19	-4.32	1777720.12	440581.02	39°42'27.527"N	80°10'41.244"W	6.02	225.874	0.31

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REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #6
Area	Monongalia County, WV	Well	Statler 6H
Field	Monongalia	Wellbore	Statler 6H (AWB)
Facility	Statler		

WELLPATH DATA (322 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]
4860.00	0.800	285.400	4859.93	-0.35	-4.10	-4.69	1777719.75	440581.12	39°42'27.528"N	80°10'41.249"W	6.23	228.858	0.65
4891.00	0.500	280.200	4890.93	-0.65	-4.02	-5.03	1777719.41	440581.20	39°42'27.529"N	80°10'41.253"W	6.44	231.406	0.99
4922.00	0.800	270.900	4921.93	-0.91	-3.99	-5.38	1777719.06	440581.23	39°42'27.529"N	80°10'41.257"W	6.70	233.454	1.02
4954.00	0.600	295.500	4953.93	-1.23	-3.91	-5.76	1777718.69	440581.30	39°42'27.530"N	80°10'41.262"W	6.96	235.792	1.11
4986.00	0.800	288.100	4985.93	-1.58	-3.77	-6.12	1777718.32	440581.44	39°42'27.531"N	80°10'41.267"W	7.19	238.355	0.68
5017.00	0.700	296.100	5016.92	-1.95	-3.62	-6.49	1777717.95	440581.59	39°42'27.533"N	80°10'41.272"W	7.44	240.862	0.47
5048.00	0.700	270.500	5047.92	-2.26	-3.54	-6.85	1777717.59	440581.68	39°42'27.534"N	80°10'41.276"W	7.71	242.714	1.00
5080.00	0.600	302.800	5079.92	-2.56	-3.44	-7.19	1777717.25	440581.77	39°42'27.534"N	80°10'41.281"W	7.97	244.413	1.17
5111.00	0.600	271.900	5110.92	-2.84	-3.35	-7.49	1777716.95	440581.86	39°42'27.535"N	80°10'41.284"W	8.20	245.902	1.03
5143.00	0.600	303.000	5142.92	-3.12	-3.25	-7.80	1777716.65	440581.96	39°42'27.536"N	80°10'41.288"W	8.45	247.354	1.01
5174.00	0.700	290.000	5173.91	-3.45	-3.10	-8.11	1777716.33	440582.11	39°42'27.538"N	80°10'41.292"W	8.68	249.085	0.57
5206.00	0.700	308.200	5205.91	-3.82	-2.91	-8.45	1777716.00	440582.30	39°42'27.540"N	80°10'41.297"W	8.94	250.982	0.69
5239.00	0.500	305.600	5238.91	-4.17	-2.70	-8.72	1777715.72	440582.51	39°42'27.542"N	80°10'41.300"W	9.13	252.782	0.61
5269.00	0.700	278.500	5268.91	-4.44	-2.60	-9.01	1777715.43	440582.61	39°42'27.543"N	80°10'41.304"W	9.38	253.905	1.14
5301.00	0.500	282.500	5300.91	-4.71	-2.54	-9.34	1777715.10	440582.67	39°42'27.543"N	80°10'41.308"W	9.68	254.782	0.64
5379.00	0.650	295.810	5378.90	-5.41	-2.27	-10.07	1777714.37	440582.94	39°42'27.546"N	80°10'41.318"W	10.33	257.272	0.26
5474.00	0.650	296.080	5473.90	-6.43	-1.80	-11.04	1777713.40	440583.41	39°42'27.550"N	80°10'41.330"W	11.19	260.723	0.00
5569.00	0.600	292.790	5568.89	-7.39	-1.37	-11.98	1777712.46	440583.84	39°42'27.555"N	80°10'41.342"W	12.06	263.460	0.06
5663.00	0.590	290.930	5662.89	-8.29	-1.01	-12.89	1777711.55	440584.20	39°42'27.558"N	80°10'41.354"W	12.93	265.518	0.02
5764.00	0.500	288.000	5763.88	-9.15	-0.69	-13.79	1777710.65	440584.53	39°42'27.561"N	80°10'41.365"W	13.81	267.143	0.09
5793.00	0.500	346.480	5792.88	-9.37	-0.53	-13.94	1777710.50	440584.69	39°42'27.563"N	80°10'41.367"W	13.95	267.839	1.68
5825.00	3.000	42.280	5824.86	-9.54	0.23	-13.41	1777711.03	440585.44	39°42'27.570"N	80°10'41.361"W	13.42	270.979	8.59
5856.00	5.500	51.290	5855.78	-9.44	1.76	-11.71	1777712.74	440586.97	39°42'27.586"N	80°10'41.339"W	11.84	278.543	8.32
5888.00	7.430	63.530	5887.57	-8.66	3.64	-8.66	1777715.78	440588.85	39°42'27.604"N	80°10'41.300"W	9.39	292.803	7.38
5919.00	9.400	63.630	5918.24	-7.26	5.66	-4.60	1777719.85	440590.87	39°42'27.625"N	80°10'41.248"W	7.29	320.915	6.36
5951.00	9.580	61.650	5949.80	-5.72	8.08	0.09	1777724.53	440593.30	39°42'27.649"N	80°10'41.189"W	8.08	0.629	1.16
5982.00	9.470	60.320	5980.37	-4.36	10.57	4.57	1777729.02	440595.78	39°42'27.674"N	80°10'41.131"W	11.52	23.400	0.79
6014.00	9.580	60.570	6011.93	-3.01	13.18	9.18	1777733.62	440598.40	39°42'27.700"N	80°10'41.073"W	16.06	34.854	0.37
6046.00	10.090	59.470	6043.46	-1.65	15.92	13.91	1777738.36	440601.13	39°42'27.727"N	80°10'41.013"W	21.14	41.163	1.70
6077.00	10.150	56.090	6073.98	-0.51	18.82	18.52	1777742.96	440604.03	39°42'27.756"N	80°10'40.954"W	26.40	44.543	1.93

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Actual Wellpath Report

Statler 6H (AWP) Proj:15420'
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REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #6
Area	Monongalia County, WV	Well	Statler 6H
Field	Monongalia	Wellbore	Statler 6H (AWB)
Facility	Statler		

WELLPATH DATA (322 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]
6109.00	10.280	51.630	6105.47	0.30	22.16	23.10	1777747.54	440607.38	39°42'27.790"N	80°10'40.896"W	32.01	46.184	2.50
6140.00	11.020	48.510	6135.94	0.73	25.84	27.49	1777751.93	440611.06	39°42'27.826"N	80°10'40.840"W	37.73	46.765	3.03
6171.00	11.480	48.280	6166.34	1.02	29.86	32.01	1777756.45	440615.07	39°42'27.866"N	80°10'40.782"W	43.77	46.990	1.49
6202.00	11.950	48.010	6196.70	1.30	34.06	36.70	1777761.14	440619.27	39°42'27.908"N	80°10'40.723"W	50.07	47.135	1.53
6234.00	12.430	42.060	6227.98	1.22	38.83	41.47	1777765.91	440624.05	39°42'27.956"N	80°10'40.662"W	56.81	46.878	4.20
6266.00	12.340	30.520	6259.24	0.11	44.34	45.51	1777769.95	440629.55	39°42'28.011"N	80°10'40.611"W	63.54	45.749	7.73
6298.00	12.430	16.690	6290.50	-2.45	50.58	48.24	1777772.68	440635.79	39°42'28.072"N	80°10'40.577"W	69.90	43.641	9.25
6329.00	12.440	2.630	6320.78	-6.35	57.12	49.35	1777773.79	440642.33	39°42'28.137"N	80°10'40.563"W	75.48	40.828	9.74
6361.00	12.060	354.010	6352.05	-11.32	63.88	49.16	1777773.60	440649.09	39°42'28.204"N	80°10'40.566"W	80.61	37.578	5.83
6393.00	11.200	349.700	6383.40	-16.51	70.27	48.25	1777772.69	440655.48	39°42'28.267"N	80°10'40.578"W	85.24	34.478	3.82
6425.00	11.390	348.490	6414.78	-21.74	76.42	47.07	1777771.51	440661.63	39°42'28.328"N	80°10'40.594"W	89.75	31.629	0.95
6456.00	12.700	347.510	6445.09	-27.21	82.75	45.72	1777770.16	440667.96	39°42'28.390"N	80°10'40.612"W	94.54	28.922	4.28
6488.00	14.410	345.990	6476.20	-33.64	90.05	44.00	1777768.44	440675.25	39°42'28.462"N	80°10'40.635"W	100.22	26.040	5.46
6519.00	16.080	341.860	6506.11	-40.82	97.87	41.72	1777766.17	440683.08	39°42'28.539"N	80°10'40.665"W	106.39	23.090	6.42
6551.00	17.980	339.390	6536.70	-49.32	106.70	38.61	1777763.05	440691.91	39°42'28.626"N	80°10'40.705"W	113.47	19.890	6.35
6583.00	20.230	339.150	6566.94	-58.91	116.50	34.90	1777759.34	440701.71	39°42'28.723"N	80°10'40.754"W	121.61	16.676	7.04
6614.00	22.770	339.280	6595.78	-69.32	127.12	30.87	1777755.31	440712.33	39°42'28.828"N	80°10'40.806"W	130.81	13.648	8.19
6646.00	25.960	337.440	6624.93	-81.50	139.38	25.99	1777750.43	440724.59	39°42'28.948"N	80°10'40.870"W	141.79	10.561	10.25
6677.00	28.630	331.830	6652.48	-94.94	152.20	19.88	1777744.32	440737.41	39°42'29.075"N	80°10'40.949"W	153.49	7.440	11.95
6708.00	31.840	327.060	6679.26	-110.10	165.62	11.92	1777736.36	440750.82	39°42'29.207"N	80°10'41.052"W	166.04	4.117	12.93
6739.00	34.550	324.740	6705.20	-126.80	179.66	2.40	1777726.84	440764.86	39°42'29.345"N	80°10'41.176"W	179.68	0.765	9.65
6770.00	37.440	323.640	6730.28	-144.81	194.43	-8.27	1777716.18	440779.63	39°42'29.490"N	80°10'41.314"W	194.60	357.566	9.55
6802.00	40.630	322.890	6755.13	-164.78	210.57	-20.32	1777704.12	440795.78	39°42'29.648"N	80°10'41.469"W	211.55	354.488	10.08
6833.00	43.820	322.800	6778.09	-185.45	227.18	-32.90	1777691.54	440812.38	39°42'29.812"N	80°10'41.632"W	229.55	351.759	10.29
6864.00	45.900	322.710	6800.06	-207.15	244.58	-46.14	1777678.31	440829.78	39°42'29.983"N	80°10'41.803"W	248.90	349.317	6.71
6895.00	46.420	323.760	6821.53	-229.31	262.49	-59.52	1777664.93	440847.69	39°42'30.159"N	80°10'41.976"W	269.16	347.225	2.96
6925.00	44.410	325.060	6842.59	-250.43	279.87	-71.96	1777652.49	440865.06	39°42'30.329"N	80°10'42.137"W	288.97	345.581	7.38
6957.00	40.940	325.400	6866.11	-271.81	297.68	-84.33	1777640.12	440882.88	39°42'30.505"N	80°10'42.297"W	309.39	344.184	10.87
6988.00	36.700	326.540	6890.26	-290.93	313.78	-95.21	1777629.24	440898.97	39°42'30.663"N	80°10'42.437"W	327.90	343.121	13.87
7020.00	31.530	328.480	6916.75	-308.49	328.90	-104.86	1777619.59	440914.09	39°42'30.812"N	80°10'42.562"W	345.21	342.317	16.51

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Statler 6H (AWP) Proj:15420'
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REFERENCE WELLPATH IDENTIFICATION

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Area	Monongalia County, WV	Well	Statler 6H
Field	Monongalia	Wellbore	Statler 6H (AWB)
Facility	Statler		

WELLPATH DATA (322 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]
7052.00	26.810	331.000	6944.68	-323.61	342.35	-112.74	1777611.71	440927.54	39°42'30.944"N	80°10'42.665"W	360.43	341.773	15.24
7083.00	21.910	334.040	6972.91	-335.85	353.67	-118.66	1777605.79	440938.86	39°42'31.055"N	80°10'42.741"W	373.05	341.453	16.31
7114.00	17.600	338.290	7002.08	-345.67	363.23	-122.93	1777601.52	440948.42	39°42'31.149"N	80°10'42.797"W	383.47	341.302	14.65
7146.00	14.170	346.970	7032.86	-353.49	371.54	-125.60	1777598.85	440956.74	39°42'31.231"N	80°10'42.832"W	392.20	341.322	13.01
7178.00	11.760	354.430	7064.04	-359.38	378.61	-126.80	1777597.65	440963.80	39°42'31.301"N	80°10'42.848"W	399.28	341.483	9.15
7209.00	11.760	356.660	7094.39	-364.22	384.91	-127.29	1777597.16	440970.10	39°42'31.363"N	80°10'42.855"W	405.41	341.700	1.47
7241.00	12.270	357.750	7125.69	-369.21	391.56	-127.62	1777596.83	440976.75	39°42'31.429"N	80°10'42.860"W	411.83	341.948	1.74
7273.00	12.200	0.840	7156.97	-374.11	398.34	-127.70	1777596.75	440983.53	39°42'31.496"N	80°10'42.861"W	418.31	342.225	2.06
7303.00	12.310	5.040	7186.28	-378.43	404.69	-127.37	1777597.08	440989.88	39°42'31.559"N	80°10'42.858"W	424.26	342.529	2.99
7336.00	12.240	18.340	7218.54	-382.32	411.52	-125.96	1777598.49	440996.71	39°42'31.626"N	80°10'42.840"W	430.37	342.981	8.55
7367.00	12.230	33.600	7248.84	-384.52	417.37	-123.11	1777601.34	441002.56	39°42'31.685"N	80°10'42.805"W	435.15	343.566	10.40
7399.00	13.360	49.580	7280.05	-384.97	422.60	-118.42	1777606.03	441007.79	39°42'31.736"N	80°10'42.745"W	438.87	344.346	11.57
7432.00	14.520	65.980	7312.09	-383.27	426.75	-111.74	1777612.71	441011.94	39°42'31.778"N	80°10'42.660"W	441.14	345.328	12.43
7462.00	15.600	77.510	7341.07	-379.84	429.16	-104.36	1777620.09	441014.35	39°42'31.802"N	80°10'42.566"W	441.66	346.332	10.59
7493.00	16.570	80.910	7370.86	-375.08	430.76	-95.93	1777628.52	441015.95	39°42'31.819"N	80°10'42.458"W	441.31	347.446	4.36
7525.00	18.420	87.410	7401.38	-369.08	431.71	-86.37	1777638.08	441016.90	39°42'31.829"N	80°10'42.336"W	440.26	348.687	8.40
7555.00	19.510	95.490	7429.75	-362.09	431.44	-76.64	1777647.80	441016.63	39°42'31.827"N	80°10'42.211"W	438.20	349.927	9.47
7587.00	21.490	100.930	7459.73	-353.19	429.82	-65.57	1777658.88	441015.01	39°42'31.812"N	80°10'42.069"W	434.79	351.327	8.58
7619.00	23.140	108.870	7489.34	-342.76	426.67	-53.86	1777670.59	441011.86	39°42'31.782"N	80°10'41.919"W	430.06	352.806	10.73
7651.00	25.120	116.130	7518.55	-330.74	421.65	-41.81	1777682.64	441006.84	39°42'31.733"N	80°10'41.765"W	423.71	354.337	11.14
7682.00	27.130	120.150	7546.38	-317.72	415.20	-29.79	1777694.66	441000.39	39°42'31.670"N	80°10'41.610"W	416.26	355.897	8.64
7714.00	30.070	122.320	7574.47	-302.89	407.24	-16.70	1777707.75	440992.43	39°42'31.592"N	80°10'41.442"W	407.59	357.652	9.74
7745.00	32.990	123.360	7600.89	-287.08	398.45	-3.08	1777721.36	440983.64	39°42'31.506"N	80°10'41.267"W	398.46	359.557	9.58
7777.00	35.850	125.720	7627.29	-269.33	388.19	11.80	1777736.25	440973.38	39°42'31.406"N	80°10'41.075"W	388.37	1.742	9.86
7808.00	38.920	128.180	7651.92	-250.73	376.86	26.83	1777751.27	440962.05	39°42'31.295"N	80°10'40.882"W	377.82	4.073	11.01
7840.00	42.890	128.510	7676.10	-229.95	363.86	43.26	1777767.70	440949.06	39°42'31.168"N	80°10'40.671"W	366.43	6.780	12.42
7872.00	46.540	128.250	7698.84	-207.62	349.89	60.91	1777785.35	440935.08	39°42'31.031"N	80°10'40.443"W	355.15	9.875	11.42
7904.00	50.180	128.070	7720.10	-183.91	335.12	79.71	1777804.15	440920.31	39°42'30.887"N	80°10'40.201"W	344.47	13.380	11.38
7935.00	52.920	128.140	7739.37	-159.85	320.14	98.81	1777823.25	440905.33	39°42'30.740"N	80°10'39.956"W	335.04	17.153	8.84
7967.00	55.590	128.190	7758.06	-134.10	304.09	119.23	1777843.67	440889.28	39°42'30.583"N	80°10'39.693"W	326.63	21.410	8.34

DEC 10 2014

Actual Wellpath Report

Statler 6H (AWP) Proj: 15420'

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REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #6
Area	Monongalia County, WV	Well	Statler 6H
Field	Monongalia	Wellbore	Statler 6H (AWB)
Facility	Statler		

WELLPATH DATA (322 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]
7999.00	58.350	128.550	7775.50	-107.49	287.44	140.26	1777864.70	440872.63	39°42'30.420"N	80°10'39.422"W	319.83	26.011	8.68
8030.00	59.430	127.780	7791.52	-81.18	271.04	161.13	1777885.56	440856.23	39°42'30.260"N	80°10'39.154"W	315.31	30.731	4.08
8062.00	59.570	128.050	7807.76	-53.86	254.09	182.88	1777907.31	440839.29	39°42'30.094"N	80°10'38.874"W	313.06	35.744	0.85
8094.00	62.320	128.770	7823.30	-26.11	236.71	204.80	1777929.23	440821.91	39°42'29.924"N	80°10'38.591"W	313.01	40.865	8.82
8126.00	65.890	129.240	7837.27	2.48	218.60	227.16	1777951.59	440803.80	39°42'29.746"N	80°10'38.304"W	315.26	46.101	11.23
8158.00	68.550	130.130	7849.66	31.82	199.76	249.86	1777974.29	440784.96	39°42'29.562"N	80°10'38.011"W	319.90	51.359	8.70
8189.00	71.240	131.290	7860.32	60.82	180.77	271.93	1777996.35	440765.97	39°42'29.376"N	80°10'37.727"W	326.53	56.385	9.36
8222.00	74.840	131.960	7869.94	92.30	159.81	295.52	1778019.94	440745.01	39°42'29.170"N	80°10'37.423"W	335.96	61.597	11.08
8253.00	77.690	132.080	7877.30	122.35	139.65	317.89	1778042.31	440724.86	39°42'28.973"N	80°10'37.135"W	347.21	66.284	9.20
8285.00	80.140	131.710	7883.46	153.69	118.68	341.26	1778065.68	440703.89	39°42'28.767"N	80°10'36.834"W	361.31	70.823	7.74
8316.00	82.160	132.600	7888.22	184.26	98.13	363.97	1778088.39	440683.33	39°42'28.566"N	80°10'36.542"W	376.96	74.912	7.11
8348.00	85.100	132.080	7891.77	216.00	76.71	387.47	1778111.89	440661.92	39°42'28.356"N	80°10'36.239"W	394.99	78.802	9.33
8380.00	87.720	133.540	7893.78	247.90	55.01	410.90	1778135.32	440640.22	39°42'28.143"N	80°10'35.937"W	414.56	82.375	9.37
8411.00	90.000	134.360	7894.40	278.88	33.50	433.21	1778157.63	440618.71	39°42'27.932"N	80°10'35.649"W	434.50	85.578	7.82
8443.00	90.180	135.150	7894.35	310.87	10.97	455.93	1778180.35	440596.18	39°42'27.711"N	80°10'35.356"W	456.06	88.622	2.53
8506.00	90.520	136.590	7893.96	373.87	-34.25	499.80	1778224.21	440550.97	39°42'27.268"N	80°10'34.791"W	500.97	93.920	2.35
8569.00	90.580	136.540	7893.36	436.86	-80.00	543.11	1778267.52	440505.22	39°42'26.819"N	80°10'34.232"W	548.97	98.379	0.12
8632.00	90.310	137.860	7892.87	499.83	-126.22	585.91	1778310.32	440459.00	39°42'26.365"N	80°10'33.680"W	599.35	102.157	2.14
8695.00	90.280	137.230	7892.54	562.80	-172.70	628.44	1778352.84	440412.53	39°42'25.909"N	80°10'33.132"W	651.73	105.366	1.00
8757.00	90.280	133.290	7892.24	624.78	-216.73	672.07	1778396.47	440368.50	39°42'25.477"N	80°10'32.569"W	706.15	107.873	6.35
8821.00	90.400	131.370	7891.86	688.67	-259.82	719.38	1778443.78	440325.41	39°42'25.055"N	80°10'31.960"W	764.86	109.859	3.01
8852.00	90.680	132.440	7891.57	719.60	-280.53	742.45	1778466.85	440304.70	39°42'24.852"N	80°10'31.662"W	793.68	110.699	3.57
8884.00	90.250	131.210	7891.31	751.53	-301.87	766.29	1778490.69	440283.37	39°42'24.643"N	80°10'31.355"W	823.61	111.501	4.07
8916.00	91.420	133.170	7890.84	783.47	-323.35	790.00	1778514.40	440261.88	39°42'24.432"N	80°10'31.050"W	853.61	112.260	7.13
8947.00	91.570	133.950	7890.03	814.43	-344.71	812.46	1778536.85	440240.53	39°42'24.223"N	80°10'30.761"W	882.56	112.990	2.56
8979.00	91.600	134.070	7889.15	846.41	-366.93	835.46	1778559.86	440218.30	39°42'24.005"N	80°10'30.464"W	912.49	113.711	0.39
9011.00	91.540	134.670	7888.27	878.39	-389.30	858.33	1778582.72	440195.94	39°42'23.786"N	80°10'30.169"W	942.49	114.397	1.88
9043.00	91.080	134.030	7887.54	910.37	-411.66	881.21	1778605.60	440173.58	39°42'23.566"N	80°10'29.875"W	972.62	115.040	2.46
9074.00	88.000	129.630	7887.79	941.29	-432.33	904.29	1778628.68	440152.91	39°42'23.364"N	80°10'29.577"W	1002.33	115.552	17.32
9137.00	89.850	129.030	7888.97	1003.89	-472.25	953.02	1778677.40	440112.99	39°42'22.973"N	80°10'28.950"W	1063.61	116.360	3.09

Actual Wellpath Report

Statler 6H (AWP) Proj: 15420'
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REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #6
Area	Monongalia County, WV	Well	Statler 6H
Field	Monongalia	Wellbore	Statler 6H (AWB)
Facility	Statler		

WELLPATH DATA (322 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]
9200.00	89.080	130.000	7889.56	1066.53	-512.33	1001.61	1778726.00	440072.91	39°42'22.580"N	80°10'28.324"W	1125.04	117.090	1.97
9261.00	88.250	133.530	7890.98	1127.36	-552.95	1047.09	1778771.47	440032.30	39°42'22.182"N	80°10'27.738"W	1184.13	117.838	5.94
9325.00	89.910	137.220	7892.01	1191.34	-598.48	1092.04	1778816.41	439986.77	39°42'21.736"N	80°10'27.159"W	1245.28	118.725	6.32
9388.00	89.020	134.270	7892.60	1254.33	-643.60	1135.99	1778860.37	439941.66	39°42'21.293"N	80°10'26.592"W	1305.64	119.534	4.89
9452.00	87.780	130.720	7894.38	1318.20	-686.81	1183.15	1778907.53	439898.45	39°42'20.870"N	80°10'25.985"W	1368.05	120.135	5.87
9514.00	89.780	134.090	7895.70	1380.07	-728.60	1228.92	1778953.28	439856.66	39°42'20.460"N	80°10'25.395"W	1428.67	120.663	6.32
9577.00	86.610	132.690	7897.69	1442.98	-771.85	1274.67	1778999.03	439813.41	39°42'20.036"N	80°10'24.806"W	1490.14	121.196	5.50
9609.00	87.260	136.550	7899.40	1474.92	-794.29	1297.41	1779021.77	439790.97	39°42'19.816"N	80°10'24.513"W	1521.24	121.476	12.22
9639.00	88.310	140.570	7900.56	1504.86	-816.76	1317.24	1779041.61	439768.50	39°42'19.595"N	80°10'24.257"W	1549.91	121.801	13.84
9671.00	90.000	143.130	7901.03	1536.66	-841.92	1337.01	1779061.37	439743.35	39°42'19.348"N	80°10'24.001"W	1580.00	122.199	9.59
9702.00	89.850	143.120	7901.07	1567.40	-866.72	1355.61	1779079.97	439718.55	39°42'19.104"N	80°10'23.761"W	1609.00	122.593	0.48
9766.00	90.030	143.430	7901.14	1630.83	-918.01	1393.88	1779118.24	439667.26	39°42'18.600"N	80°10'23.266"W	1669.02	123.369	0.56
9829.00	89.020	138.780	7901.66	1693.53	-967.03	1433.42	1779157.78	439618.24	39°42'18.119"N	80°10'22.756"W	1729.12	124.005	7.55
9893.00	87.230	136.350	7903.76	1757.45	-1014.23	1476.58	1779200.93	439571.04	39°42'17.655"N	80°10'22.199"W	1791.36	124.484	4.71
9956.00	88.430	140.440	7906.14	1820.32	-1061.30	1518.37	1779242.72	439523.98	39°42'17.193"N	80°10'21.660"W	1852.51	124.953	6.76
10019.00	88.400	141.030	7907.88	1883.04	-1110.06	1558.23	1779282.58	439475.23	39°42'16.715"N	80°10'21.145"W	1913.19	125.465	0.94
10082.00	88.460	139.990	7909.61	1945.79	-1158.66	1598.28	1779322.62	439426.63	39°42'16.237"N	80°10'20.628"W	1974.07	125.940	1.65
10145.00	88.490	138.040	7911.29	2008.66	-1206.19	1639.58	1779363.92	439379.09	39°42'15.771"N	80°10'20.095"W	2035.47	126.341	3.09
10209.00	88.920	137.370	7912.73	2072.60	-1253.52	1682.64	1779406.98	439331.77	39°42'15.306"N	80°10'19.540"W	2098.23	126.685	1.24
10272.00	89.050	137.130	7913.85	2135.57	-1299.78	1725.39	1779449.73	439285.52	39°42'14.852"N	80°10'18.988"W	2160.19	126.992	0.43
10334.00	88.830	134.940	7915.00	2197.55	-1344.39	1768.42	1779492.76	439240.90	39°42'14.414"N	80°10'18.434"W	2221.42	127.243	3.55
10397.00	89.080	135.720	7916.15	2260.54	-1389.19	1812.71	1779537.04	439196.11	39°42'13.975"N	80°10'17.863"W	2283.80	127.465	1.30
10461.00	90.680	136.780	7916.28	2324.53	-1435.42	1856.96	1779581.29	439149.88	39°42'13.521"N	80°10'17.292"W	2347.07	127.704	3.00
10524.00	90.120	135.460	7915.84	2387.53	-1480.82	1900.63	1779624.96	439104.48	39°42'13.076"N	80°10'16.729"W	2409.40	127.923	2.28
10588.00	86.340	128.150	7917.82	2451.30	-1523.43	1948.27	1779672.59	439061.87	39°42'12.658"N	80°10'16.116"W	2473.18	128.023	12.85
10650.00	87.970	130.870	7920.90	2512.86	-1562.83	1996.04	1779720.36	439022.48	39°42'12.272"N	80°10'15.501"W	2535.07	128.060	5.11
10713.00	85.930	128.220	7924.25	2575.40	-1602.88	2044.54	1779768.86	438982.44	39°42'11.880"N	80°10'14.876"W	2597.95	128.096	5.30
10775.00	86.920	133.110	7928.12	2637.03	-1643.19	2091.46	1779815.78	438942.13	39°42'11.485"N	80°10'14.272"W	2659.75	128.155	8.03
10838.00	86.740	136.390	7931.60	2699.92	-1687.46	2136.13	1779860.44	438897.85	39°42'11.051"N	80°10'13.696"W	2722.24	128.307	5.21
10870.00	87.070	136.800	7933.33	2731.87	-1710.68	2158.09	1779882.40	438874.64	39°42'10.823"N	80°10'13.413"W	2753.86	128.403	1.64

Actual Wellpath Report

Statler 6H (AWP) Proj:15420'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #6
Area	Monongalia County, WV	Well	Statler 6H
Field	Monongalia	Wellbore	Statler 6H (AWB)
Facility	Statler		

WELLPATH DATA (322 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]
10902.00	89.350	136.770	7934.33	2763.84	-1733.99	2179.99	1779904.30	438851.33	39°42'10.594"N	80°10'13.131"W	2785.51	128.499	7.13
10933.00	89.910	137.660	7934.53	2794.83	-1756.74	2201.04	1779925.35	438828.58	39°42'10.371"N	80°10'12.859"W	2816.15	128.595	3.39
10965.00	89.820	138.130	7934.61	2826.80	-1780.48	2222.50	1779946.81	438804.84	39°42'10.138"N	80°10'12.582"W	2847.74	128.699	1.50
10997.00	89.850	138.010	7934.70	2858.78	-1804.29	2243.88	1779968.19	438781.04	39°42'09.904"N	80°10'12.307"W	2879.31	128.802	0.39
11029.00	90.550	139.000	7934.59	2890.74	-1828.25	2265.08	1779989.39	438757.07	39°42'09.669"N	80°10'12.033"W	2910.86	128.909	3.79
11092.00	91.260	139.080	7933.59	2953.62	-1875.82	2306.37	1780030.68	438709.50	39°42'09.202"N	80°10'11.500"W	2972.89	129.122	1.13
11188.00	87.010	136.410	7935.04	3049.51	-1946.85	2370.90	1780095.20	438638.48	39°42'08.505"N	80°10'10.668"W	3067.80	129.391	5.23
11284.00	88.710	137.220	7938.62	3145.42	-2016.80	2436.55	1780160.84	438568.54	39°42'07.819"N	80°10'09.821"W	3162.95	129.615	1.96
11378.00	88.710	133.250	7940.74	3239.37	-2083.50	2502.71	1780227.01	438501.83	39°42'07.164"N	80°10'08.969"W	3256.47	129.777	4.22
11473.00	88.650	134.670	7942.93	3334.31	-2149.43	2571.08	1780295.37	438435.91	39°42'06.518"N	80°10'08.088"W	3351.19	129.896	1.50
11568.00	89.080	136.170	7944.81	3429.28	-2217.08	2637.74	1780362.03	438368.27	39°42'05.854"N	80°10'07.228"W	3445.74	130.048	1.64
11663.00	89.540	134.410	7945.96	3524.27	-2284.59	2704.57	1780428.85	438300.76	39°42'05.192"N	80°10'06.367"W	3540.34	130.188	1.91
11757.00	89.450	133.670	7946.78	3618.23	-2349.93	2772.14	1780496.41	438235.43	39°42'04.551"N	80°10'05.496"W	3634.13	130.288	0.79
11852.00	91.110	136.170	7946.32	3713.21	-2417.00	2839.40	1780563.67	438168.36	39°42'03.893"N	80°10'04.629"W	3728.82	130.406	3.16
11947.00	89.350	140.600	7945.94	3808.07	-2488.01	2902.47	1780626.74	438097.36	39°42'03.196"N	80°10'03.816"W	3822.89	130.603	5.02
12042.00	89.420	140.680	7946.96	3902.71	-2561.45	2962.72	1780686.98	438023.92	39°42'02.475"N	80°10'03.038"W	3916.47	130.845	0.11
12136.00	89.320	137.440	7947.99	3996.52	-2632.45	3024.30	1780748.56	437952.93	39°42'01.778"N	80°10'02.243"W	4009.51	131.037	3.45
12231.00	90.460	135.030	7948.17	4091.51	-2701.05	3090.01	1780814.26	437884.33	39°42'01.104"N	80°10'01.396"W	4104.12	131.157	2.81
12327.00	90.310	134.050	7947.53	4187.49	-2768.38	3158.43	1780882.68	437817.00	39°42'00.444"N	80°10'00.514"W	4199.95	131.235	1.03
12422.00	89.880	134.030	7947.37	4282.45	-2834.42	3226.72	1780950.97	437750.96	39°41'59.796"N	80°09'59.634"W	4294.84	131.297	0.45
12518.00	89.940	134.950	7947.52	4378.43	-2901.69	3295.20	1781019.45	437683.69	39°41'59.137"N	80°09'58.752"W	4390.69	131.367	0.96
12613.00	89.660	136.940	7947.85	4473.42	-2969.96	3361.26	1781085.50	437615.43	39°41'58.467"N	80°09'57.900"W	4485.39	131.463	2.12
12708.00	89.630	136.930	7948.44	4568.40	-3039.37	3426.12	1781150.36	437546.03	39°41'57.786"N	80°09'57.064"W	4579.97	131.577	0.03
12804.00	89.820	133.040	7948.90	4664.37	-3107.22	3494.01	1781218.24	437478.18	39°41'57.120"N	80°09'56.189"W	4675.78	131.647	4.06
12899.00	89.570	134.560	7949.41	4759.32	-3172.97	3562.57	1781286.80	437412.44	39°41'56.475"N	80°09'55.306"W	4770.71	131.690	1.62
12993.00	89.720	135.980	7949.99	4853.31	-3239.75	3628.72	1781352.95	437345.66	39°41'55.820"N	80°09'54.453"W	4864.53	131.759	1.52
13088.00	89.660	134.290	7950.51	4948.30	-3307.08	3695.74	1781419.96	437278.34	39°41'55.160"N	80°09'53.589"W	4959.36	131.823	1.78
13182.00	89.660	136.210	7951.06	5042.29	-3373.83	3761.91	1781486.13	437211.59	39°41'54.505"N	80°09'52.736"W	5053.19	131.887	2.04
13277.00	90.180	133.130	7951.20	5137.27	-3440.61	3829.46	1781553.68	437144.81	39°41'53.850"N	80°09'51.866"W	5148.07	131.938	3.29
13372.00	91.170	130.480	7950.08	5232.04	-3503.93	3900.27	1781624.47	437081.50	39°41'53.229"N	80°09'50.954"W	5243.05	131.936	2.98

Actual Wellpath Report

Statler 6H (AWP)Proj:15420'
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REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #6
Area	Monongalia County, WV	Well	Statler 6H
Field	Monongalia	Wellbore	Statler 6H (AWB)
Facility	Statler		

WELLPATH DATA (322 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]
13466.00	89.880	130.290	7949.22	5325.64	-3564.83	3971.86	1781696.07	437020.60	39°41'52.633"N	80°09'50.032"W	5337.01	131.909	1.39
13561.00	89.910	127.970	7949.39	5420.01	-3624.77	4045.55	1781769.75	436960.66	39°41'52.046"N	80°09'49.084"W	5431.89	131.860	2.44
13656.00	90.030	128.590	7949.44	5514.23	-3683.63	4120.12	1781844.32	436901.81	39°41'51.469"N	80°09'48.124"W	5526.71	131.799	0.66
13749.00	89.970	126.360	7949.44	5606.28	-3740.21	4193.93	1781918.12	436845.23	39°41'50.916"N	80°09'47.175"W	5619.44	131.727	2.40
13845.00	90.680	126.140	7948.90	5700.99	-3796.97	4271.34	1781995.53	436788.47	39°41'50.360"N	80°09'46.179"W	5715.01	131.635	0.77
13939.00	92.280	126.930	7946.47	5793.76	-3852.91	4346.84	1782071.02	436732.54	39°41'49.813"N	80°09'45.208"W	5808.61	131.553	1.90
14034.00	90.430	125.770	7944.22	5887.48	-3909.20	4423.33	1782147.51	436676.25	39°41'49.262"N	80°09'44.224"W	5903.19	131.469	2.30
14129.00	90.800	126.340	7943.20	5981.15	-3965.11	4500.13	1782224.30	436620.35	39°41'48.715"N	80°09'43.236"W	5997.77	131.384	0.72
14225.00	90.710	124.460	7941.94	6075.60	-4020.71	4578.37	1782302.54	436564.75	39°41'48.171"N	80°09'42.230"W	6093.24	131.289	1.96
14319.00	92.620	124.420	7939.21	6167.77	-4073.85	4655.86	1782380.02	436511.61	39°41'47.652"N	80°09'41.234"W	6186.54	131.186	2.03
14413.00	93.290	127.120	7934.36	6260.24	-4128.71	4732.02	1782456.18	436456.75	39°41'47.115"N	80°09'40.255"W	6279.99	131.105	2.96
14509.00	92.370	127.460	7929.62	6355.10	-4186.80	4808.30	1782532.45	436398.66	39°41'46.547"N	80°09'39.273"W	6375.66	131.048	1.02
14603.00	92.370	127.200	7925.73	6448.04	-4243.76	4882.98	1782607.13	436341.71	39°41'45.989"N	80°09'38.312"W	6469.39	130.994	0.28
14699.00	91.540	124.820	7922.46	6542.62	-4300.16	4960.59	1782684.73	436285.31	39°41'45.438"N	80°09'37.314"W	6564.97	130.921	2.62
14793.00	92.310	122.710	7919.30	6634.54	-4352.37	5038.68	1782762.82	436233.10	39°41'44.927"N	80°09'36.310"W	6658.19	130.820	2.39
14887.00	92.430	126.950	7915.41	6726.77	-4406.00	5115.76	1782839.89	436179.48	39°41'44.403"N	80°09'35.319"W	6751.58	130.737	4.51
14980.00	92.400	128.380	7911.49	6818.79	-4462.78	5189.31	1782913.44	436122.71	39°41'43.847"N	80°09'34.373"W	6844.36	130.695	1.54
15075.00	90.100	126.530	7909.42	6912.78	-4520.53	5264.70	1782988.82	436064.96	39°41'43.282"N	80°09'33.403"W	6939.18	130.651	3.11
15170.00	88.950	126.360	7910.21	7006.56	-4576.96	5341.11	1783065.23	436008.53	39°41'42.730"N	80°09'32.420"W	7033.92	130.594	1.22
15265.00	91.140	126.100	7910.13	7100.27	-4633.10	5417.74	1783141.86	435952.39	39°41'42.180"N	80°09'31.435"W	7128.64	130.536	2.32
15320.00	93.960	127.300	7907.68	7154.54	-4665.94	5461.79	1783185.90	435919.56	39°41'41.859"N	80°09'30.868"W	7183.46	130.507	5.57
15420.00	93.960	127.300	7900.78	7253.24	-4726.39	5541.15	1783265.26	435859.11	39°41'41.267"N	80°09'29.847"W	7283.07	130.463	0.00

61-01656

Received
Office of Oil & Gas
DEC 10 2014

Actual Wellpath Report

Statler 6H (AWP)Proj:15420'

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REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #6
Area	Monongalia County, WV	Well	Statler 6H
Field	Monongalia	Wellbore	Statler 6H (AWB)
Facility	Statler		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Statler 6H BHL Rev-2		7888.00	-4764.82	5587.26	1783311.36	435820.68	39°41'40.891"N	80°09'29.254"W	point
Statler 6H IP Rev-2		7888.00	-3690.02	4131.06	1781855.25	436895.42	39°41'51.407"N	80°09'47.984"W	point
Statler 6H LP Rev-2		7888.00	81.00	393.41	1778117.82	440666.21	39°42'28.399"N	80°10'36.163"W	point

WELLPATH COMPOSITION - Ref Wellbore: Statler 6H (AWB) Ref Wellpath: Statler 6H (AWP)Proj:15420'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
19.00	5301.00	ISCWSA MWD, Rev. 2 (Standard)	Phoenix MWD Surveys (1055'-5301')	Statler 6H (AWB)
5301.00	14980.00	NaviTrak (AT Curve Short Spaced)	BHI ATCurve (5301')(5379'-14980')	Statler 6H (AWB)
14980.00	15320.00	ISCWSA MWD, Rev. 2 (Standard)	BHI Rotating Azimuth Surveys (15075'-15320')	Statler 6H (AWB)
15320.00	15420.00	Blind Drilling (std)	Projection to bit	Statler 6H (AWB)

9591019

Actual Wellpath Report

Statler 6H (AWP)Proj:15420'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #6
Area	Monongalia County, WV	Well	Statler 6H
Field	Monongalia	Wellbore	Statler 6H (AWB)
Facility	Statler		

COMMENTS

Wellpath general comments

Phoenix MWD Surveys: (1055'-5301')

BHI MWD Survey: (5301')(5379'-15320')

TD Projected to MD: 15420'

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Office of Oil & Gas

DEC 10 2014

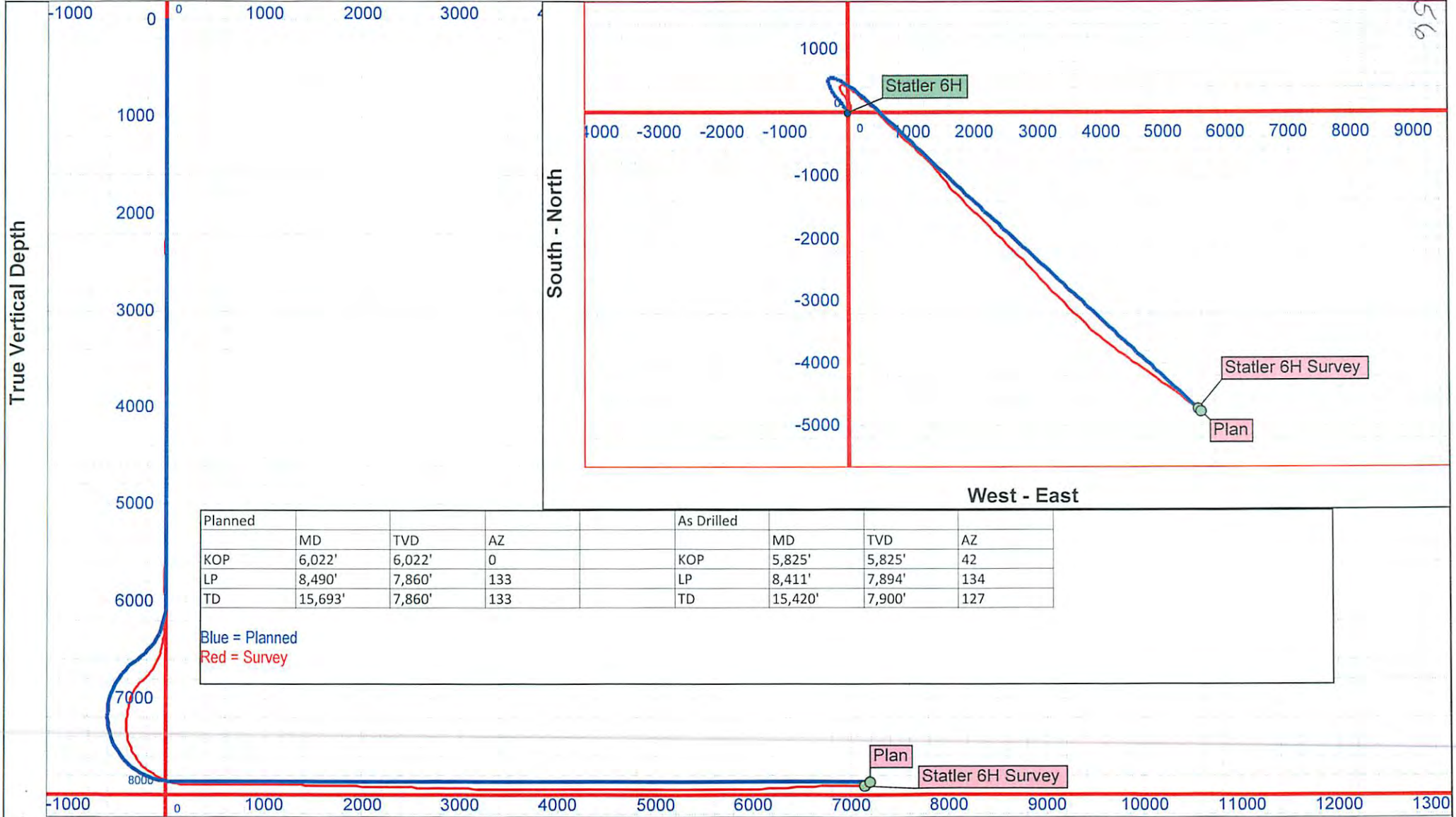
61-01656



Job Number: Statler
 Company: NNE
 Lease/Well: Statler 6H
 Location: Statler
 Rig Name: Pioneer 59
 State/County: WV/ Mon
 Country: US
 API Number:

Elevation (To MSL): 1160.00 ft
 RKB: 18.00 ft
 Projection System: US State Plane 1983
 Projection Group: West Virginia Northern Zone
 Projection Datum: GRS80
 Magnetic Declination: -8.90
 Grid Convergence: -0.43256 W
 Date: Tuesday, May 27, 2014

61-01656



Vertical Section (1000 Ft/Div) VSP: 142.00°