

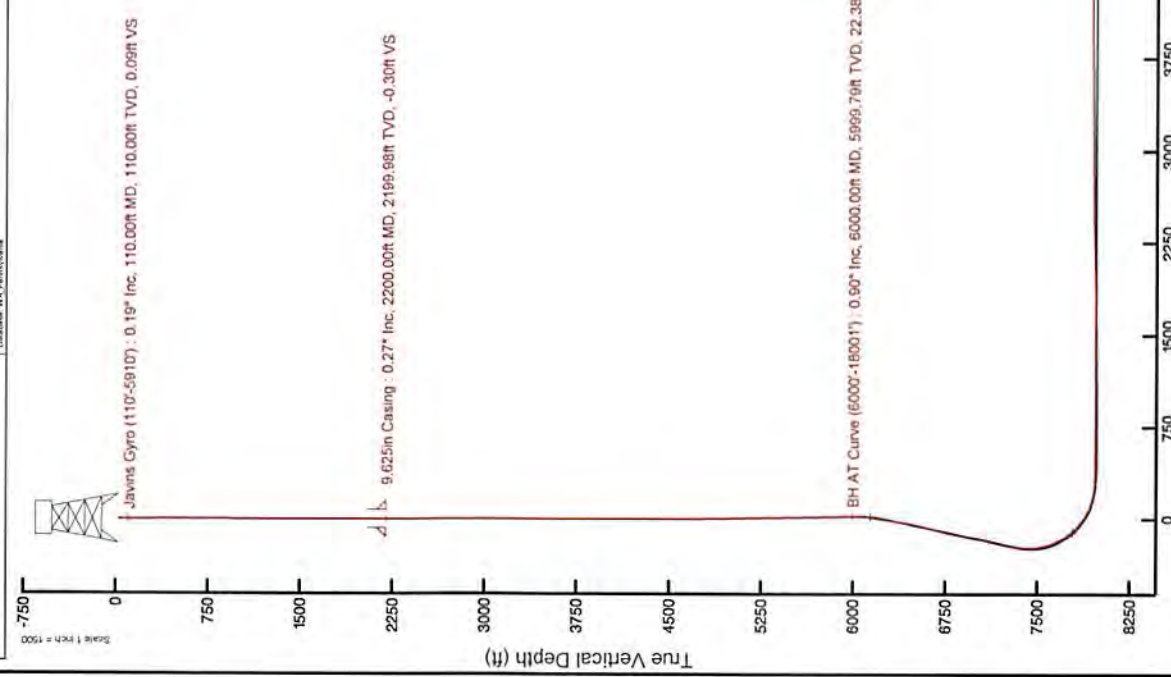
NORTHEAST NATURAL ENERGY, LLC

Location: Monongalia County, WV
 Field: Monongalia
 Facility: Jenkins Pad
 Slot: Slot #02
 Well: Jenkins 2H
 Wellbore: Jenkins 2H PWB

Plot reference wellbore is Jenkins 2H PWB Riser A-2
True vertical depths are referenced to Patterson 334 (RKB)
** Wellbore was transferred from a different geologic domain
Mean Sea Level is referenced to Patterson 334 (RKB)
Patterson 334 (RKB) to Mean Sea Level: 1139ft
Scale: True distance
Depth is in feet
Created by: thomazs on 2018-02-08
Database: WA_DevOps\WV

Location Information			
Facility Name	Grid East (US ft)	Grid North (US ft)	Longitude
Jenkins Pad	1758460.777	441096.185	80°08'23.600"W
Local N (ft)	Local E (ft)	Grid North (US ft)	Latitude
-2.90	-2.02	39°42'23.271"N	80°08'23.626"W
Slot #02	Jenkins 2H		
Comment			
Patterson 334 (RKB) to Ground level (At Slot Slot #02)			25ft
Mean Sea Level to Ground level (At Slot Slot #02)			-1114ft
Patterson 334 (RKB) to Mean Sea Level			1139ft

API: 47-061-01741-0000
 Job #: 8937692
 Rig: Patterson 334
 Duration: 01/23/2018 - 01/30/2018



BDCM (1900.0 to 2018.0) Dip: 66.70° Field: 52002.1 FT
 Magnetic North is 9.08 degrees West of True North (at 01/23/2018)
 To correct azimuth from True to Grid, add 9.08 degrees.
 To correct azimuth from Magnetic to Grid, subtract 8.67 degrees.

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Projection to Bit : 89.42° Inc, 18026.00ft MD, 7891.21ft TVD, 9848.53ft VS
 Scale: 1 inch = 1000
 Azimuth: 149.66° with reference 0.00 N, 0.00 E



Actual Wellpath Report

Jenkins 2H AWP Proj: 18026'MD
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REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #02
Area	Monongalia County, WV	Well	Jenkins 2H
Field	Monongalia	Wellbore	Jenkins 2H AWB
Facility	Jenkins Pad		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert West Virginia SP, Northern Zone (4701), US	Software System	WellArchitect® 5.0
North Reference	feet	User	Thomsuzc
Scale	Grid	Report Generated	2/6/2018 at 10:32:03 AM
Convergence at slot	0.999942	Database/Source file	WA_Pennsylvania/Jenkins_2H_AWP_Proj_18026_MD.xml
	0.41° West		

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-2.90	-2.02	1788478.76	441083.29	39°42'33.271"N	80°08'23.626"W
Facility Reference Pt			1788480.78	441086.19	39°42'33.300"N	80°08'23.600"W
Field Reference Pt			1777685.71	440640.65	39°42'28.114"N	80°10'41.690"W

WELLPATH DATUM

Calculation method	Minimum curvature	Patterson 334 (RKB) to Facility Vertical Datum	25.00ft
Horizontal Reference Pt	Slot	Patterson 334 (RKB) to Mean Sea Level	1139.00ft
Vertical Reference Pt	Patterson 334 (RKB)	Patterson 334 (RKB) to Ground Level at Slot (Slot #02)	25.00ft
MD Reference Pt	Patterson 334 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	149.66°

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Actual Wellpath Report

Jenkins 2H AWP Proj: 18026'MD
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REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #02
Area	Monongalia County, WV	Well	Jenkins 2H
Field	Monongalia	Wellbore	Jenkins 2H AWB
Facility	Jenkins Pad		

WELLPATH DATA (190 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]
0.00H	0.000	197.610	0.00	0.00	0.00	0.00	1788478.76	441083.29	39°42'33.271"N	80°08'23.626"W	0.00	0.000	0.00	0.00	0.00
25.00	0.000	197.610	25.00	0.00	0.00	0.00	1788478.76	441083.29	39°42'33.271"N	80°08'23.626"W	0.00	0.000	0.00	0.00	0.00
110.00	0.190	197.610	110.00	0.09	-0.13	-0.04	1788478.72	441083.16	39°42'33.270"N	80°08'23.626"W	0.14	197.610	0.22	0.22	-191.05
210.00	0.060	102.910	210.00	0.24	-0.30	-0.04	1788478.72	441082.99	39°42'33.268"N	80°08'23.626"W	0.31	187.821	0.20	-0.13	-94.70
310.00	0.330	135.310	310.00	0.56	-0.52	0.21	1788478.97	441082.77	39°42'33.266"N	80°08'23.623"W	0.56	157.858	0.28	0.27	32.40
410.00	0.240	252.410	410.00	0.79	-0.79	0.21	1788478.97	441082.50	39°42'33.263"N	80°08'23.623"W	0.82	164.770	0.49	-0.09	117.10
510.00	0.150	129.010	510.00	0.87	-0.93	0.12	1788478.88	441082.36	39°42'33.262"N	80°08'23.624"W	0.94	172.877	0.35	-0.09	-123.40
610.00	0.280	214.010	610.00	1.09	-1.22	0.08	1788478.84	441082.07	39°42'33.259"N	80°08'23.624"W	1.22	176.162	0.31	0.13	85.00
710.00	0.200	6.610	710.00	1.06	-1.25	-0.03	1788478.73	441082.04	39°42'33.259"N	80°08'23.626"W	1.25	181.597	0.47	-0.08	152.60
810.00	0.170	206.310	810.00	1.00	-1.21	-0.08	1788478.68	441082.08	39°42'33.259"N	80°08'23.626"W	1.21	183.811	0.36	-0.03	-160.30
910.00	0.400	314.910	910.00	0.75	-1.09	-0.39	1788478.37	441082.20	39°42'33.260"N	80°08'23.630"W	1.16	199.772	0.48	0.23	108.60
1010.00	0.270	0.610	1009.99	0.21	-0.61	-0.64	1788478.12	441082.68	39°42'33.265"N	80°08'23.634"W	0.88	226.177	0.29	-0.13	45.70
1110.00	0.150	135.610	1109.99	0.13	-0.47	-0.54	1788478.22	441082.82	39°42'33.267"N	80°08'23.632"W	0.72	229.154	0.39	-0.12	135.00
1210.00	0.230	294.210	1209.99	0.09	-0.48	-0.64	1788478.12	441082.81	39°42'33.266"N	80°08'23.634"W	0.80	232.845	0.37	0.08	158.60
1310.00	0.260	34.210	1309.99	-0.17	-0.21	-0.69	1788478.07	441083.08	39°42'33.269"N	80°08'23.634"W	0.72	252.970	0.38	0.03	100.00
1410.00	0.130	133.710	1409.99	-0.15	-0.10	-0.48	1788478.28	441083.19	39°42'33.270"N	80°08'23.632"W	0.49	257.991	0.31	-0.13	99.50
1510.00	0.670	67.210	1509.99	0.03	0.05	0.14	1788478.90	441083.34	39°42'33.272"N	80°08'23.624"W	0.15	71.883	0.63	0.54	-66.50
1610.00	0.100	58.710	1609.99	0.11	0.32	0.75	1788479.51	441083.61	39°42'33.274"N	80°08'23.616"W	0.82	67.144	0.57	-0.57	-8.50
1710.00	0.420	46.010	1709.99	0.02	0.62	1.09	1788479.85	441083.91	39°42'33.277"N	80°08'23.612"W	1.25	60.506	0.32	0.32	-12.70
1810.00	0.110	353.010	1809.99	-0.16	0.97	1.34	1788480.10	441084.26	39°42'33.281"N	80°08'23.608"W	1.66	54.249	0.36	-0.31	-53.00
1910.00	0.340	41.510	1909.98	-0.34	1.28	1.53	1788480.29	441084.57	39°42'33.284"N	80°08'23.606"W	2.00	49.953	0.28	0.23	48.50
2010.00	0.230	72.510	2009.98	-0.38	1.57	1.92	1788480.68	441084.86	39°42'33.287"N	80°08'23.601"W	2.48	50.726	0.19	-0.11	31.00
2110.00	0.110	212.910	2109.98	-0.30	1.55	2.06	1788480.82	441084.84	39°42'33.287"N	80°08'23.599"W	2.57	53.040	0.32	-0.12	140.40
2210.00	0.310	47.410	2209.98	-0.31	1.65	2.20	1788480.96	441084.94	39°42'33.288"N	80°08'23.598"W	2.75	53.175	0.42	0.20	-165.50
2310.00	0.050	22.710	2309.98	-0.39	1.87	2.42	1788481.18	441085.16	39°42'33.290"N	80°08'23.595"W	3.06	52.252	0.27	-0.26	-24.70
2410.00	0.530	89.510	2409.98	-0.19	1.92	2.90	1788481.66	441085.21	39°42'33.290"N	80°08'23.589"W	3.47	56.518	0.51	0.48	66.80
2510.00	0.320	151.310	2509.98	0.32	1.68	3.49	1788482.25	441084.97	39°42'33.288"N	80°08'23.581"W	3.88	64.380	0.47	-0.21	61.00
2610.00	0.310	98.710	2609.98	0.77	1.39	3.90	1788482.66	441084.68	39°42'33.285"N	80°08'23.576"W	4.14	70.366	0.28	-0.01	-52.90
2710.00	0.560	122.010	2709.97	1.37	1.09	4.58	1788483.34	441084.38	39°42'33.282"N	80°08'23.567"W	4.71	76.608	0.30	0.25	23.30
2810.00	0.290	126.510	2809.97	2.49	0.97	5.07	1788483.96	441083.97	39°42'33.278"N	80°08'23.559"W	5.24	82.540	0.27	-0.27	4.00

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Actual Wellpath Report

Jenkins 2H AWP Proj: 18026'MD
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REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #02
Area	Monongalia County, WV	Well	Jenkins 2H
Field	Monongalia	Wellbore	Jenkins 2H AWB
Facility	Jenkins Pad		

WELLPATH DATA (190 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]
2910.00	0.090	249.010	2909.97	2.26	0.50	5.33	1788484.09	441083.79	39°42'33.277"N	80°08'23.557"W	5.35	84.619	0.35	-0.20	122.50
3010.00	0.190	57.410	3009.97	2.24	0.56	5.39	1788484.15	441083.85	39°42'33.277"N	80°08'23.557"W	5.42	84.041	0.28	0.10	168.40
3110.00	0.170	256.010	3109.97	2.19	0.62	5.39	1788484.15	441083.91	39°42'33.278"N	80°08'23.557"W	5.42	83.475	0.36	-0.02	-161.40
3210.00	0.110	152.710	3209.97	2.24	0.50	5.29	1788484.05	441083.79	39°42'33.277"N	80°08'23.558"W	5.31	84.651	0.22	-0.06	-103.30
3310.00	0.090	319.310	3309.97	2.26	0.47	5.28	1788484.04	441083.76	39°42'33.276"N	80°08'23.558"W	5.30	84.921	0.20	-0.02	166.60
3410.00	0.070	150.310	3409.97	2.25	0.48	5.26	1788484.02	441083.77	39°42'33.276"N	80°08'23.558"W	5.28	84.831	0.16	-0.02	-169.00
3510.00	0.160	237.410	3509.97	2.31	0.35	5.17	1788483.93	441083.64	39°42'33.275"N	80°08'23.559"W	5.18	86.156	0.17	0.09	87.10
3610.00	0.140	270.410	3609.97	2.26	0.27	4.93	1788483.69	441083.56	39°42'33.274"N	80°08'23.562"W	4.94	86.830	0.09	-0.02	33.00
3710.00	0.220	285.310	3709.97	2.06	0.32	4.63	1788483.39	441083.61	39°42'33.275"N	80°08'23.566"W	4.64	85.983	0.09	0.08	14.90
3810.00	0.100	154.810	3809.97	2.01	0.30	4.48	1788483.24	441083.59	39°42'33.274"N	80°08'23.568"W	4.49	86.211	0.29	-0.12	-130.50
3910.00	0.370	277.110	3909.97	1.90	0.26	4.19	1788482.95	441083.55	39°42'33.274"N	80°08'23.572"W	4.20	86.486	0.43	0.27	122.30
4010.00	0.350	293.610	4009.97	1.45	0.42	3.59	1788482.35	441083.71	39°42'33.276"N	80°08'23.580"W	3.62	83.337	0.11	-0.02	16.50
4110.00	0.490	261.810	4109.96	1.04	0.48	2.89	1788481.65	441083.77	39°42'33.276"N	80°08'23.589"W	2.93	80.548	0.27	0.14	-31.80
4210.00	0.150	204.510	4209.96	0.96	0.30	2.41	1788481.17	441083.59	39°42'33.274"N	80°08'23.595"W	2.43	82.885	0.43	-0.34	-57.30
4310.00	0.300	203.310	4309.96	1.19	-0.06	2.26	1788481.02	441083.23	39°42'33.271"N	80°08'23.597"W	2.26	91.482	0.15	0.15	-1.20
4410.00	0.130	105.810	4409.96	1.43	-0.33	2.26	1788481.02	441082.96	39°42'33.268"N	80°08'23.597"W	2.28	98.297	0.34	-0.17	-97.50
4510.00	0.430	222.110	4509.96	1.62	-0.64	2.12	1788480.88	441082.65	39°42'33.265"N	80°08'23.598"W	2.21	106.785	0.50	0.30	116.30
4610.00	0.510	230.610	4609.96	1.80	-1.20	1.52	1788480.28	441082.09	39°42'33.259"N	80°08'23.606"W	1.94	128.235	0.11	0.08	8.50
4710.00	0.420	152.010	4709.95	2.24	-1.81	1.35	1788480.11	441081.48	39°42'33.253"N	80°08'23.608"W	2.26	143.204	0.59	-0.09	-78.60
4810.00	0.900	175.810	4809.95	3.31	-2.91	1.58	1788480.34	441080.38	39°42'33.243"N	80°08'23.605"W	3.31	151.520	0.54	0.48	23.80
4910.00	0.570	137.110	4909.94	4.50	-4.06	1.98	1788480.74	441079.23	39°42'33.231"N	80°08'23.600"W	4.52	154.050	0.58	-0.33	-38.70
5010.00	1.140	163.210	5009.93	5.96	-5.38	2.60	1788481.36	441077.91	39°42'33.218"N	80°08'23.592"W	5.97	154.178	0.68	0.57	26.10
5110.00	1.260	164.210	5109.91	7.99	-7.39	3.19	1788481.95	441075.90	39°42'33.198"N	80°08'23.584"W	8.05	156.655	0.12	0.12	1.00
5210.00	0.920	159.410	5209.89	9.84	-9.20	3.77	1788482.53	441074.09	39°42'33.181"N	80°08'23.576"W	9.94	157.711	0.35	-0.34	-4.80
5310.00	0.830	149.910	5309.88	11.36	-10.58	4.42	1788483.18	441072.72	39°42'33.167"N	80°08'23.568"W	11.46	157.338	0.17	-0.09	-9.50
5410.00	0.910	126.410	5409.87	12.81	-11.67	5.42	1788484.18	441071.62	39°42'33.156"N	80°08'23.555"W	12.87	155.104	0.36	0.08	-23.50
5510.00	1.020	162.210	5509.85	14.41	-12.99	6.33	1788485.09	441070.30	39°42'33.143"N	80°08'23.543"W	14.45	154.029	0.60	0.11	35.20
5610.00	0.570	145.010	5609.84	17.36	-13.63	7.67	1788485.65	441069.04	39°42'33.131"N	80°08'23.536"W	15.82	154.205	0.50	-0.45	-17.20
5710.00	1.250	152.810	5709.83	17.36	-13.63	7.67	1788486.43	441067.67	39°42'33.117"N	80°08'23.526"W	17.41	153.856	0.69	0.68	7.30
5810.00	0.950	153.110	5809.82	17.36	-13.63	7.67	1788487.30	441065.96	39°42'33.101"N	80°08'23.515"W	19.33	153.765	0.30	-0.30	0.00

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REFERENCE WELLPATH IDENTIFICATION

Operator	Slot	Slot #02
NORTHEAST NATURAL ENERGY, LLC	Well	Jenkins 2H
Area	Wellbore	Jenkins 2H AWB
Field		
Facility		

WELLPATH DATA (190 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]
5910.00	0.960	152.110	5909.80	20.94	-18.81	9.31	1788488.07	441064.48	39°42'33.086"N	80°08'23.505"W	20.99	153.673	0.02	0.01	-1.00
6000.00	0.900	136.700	5999.79	22.38	-20.00	10.15	1788488.91	441063.30	39°42'33.074"N	80°08'23.494"W	22.42	153.093	0.28	-0.07	-17.12
6095.00	8.560	273.290	6094.46	19.19	-20.13	3.59	1788482.35	441063.16	39°42'33.073"N	80°08'23.578"W	20.45	169.900	9.72	8.06	143.78
6190.00	15.960	274.920	6187.22	7.72	-18.60	-16.51	1788462.25	441064.69	39°42'33.086"N	80°08'23.835"W	24.88	221.592	7.80	7.79	1.72
6285.00	24.980	259.030	6276.20	-6.52	-21.31	-49.31	1788429.45	441061.98	39°42'33.057"N	80°08'24.255"W	53.72	246.629	11.07	9.49	-16.73
6380.00	28.400	258.750	6361.07	-20.56	-29.54	-91.17	1788387.59	441053.76	39°42'32.973"N	80°08'24.789"W	95.84	252.050	3.60	3.60	-0.29
6475.00	27.910	261.220	6444.83	-36.12	-37.34	-135.31	1788343.46	441045.95	39°42'32.893"N	80°08'25.353"W	140.36	254.573	1.33	-0.52	2.60
6570.00	27.450	264.850	6528.96	-53.67	-42.70	-179.09	1788299.68	441040.59	39°42'32.837"N	80°08'25.913"W	184.11	256.590	1.84	-0.48	3.82
6665.00	27.940	267.330	6613.08	-73.27	-45.70	-223.13	1788255.64	441037.59	39°42'32.804"N	80°08'26.476"W	227.77	258.425	1.32	0.52	2.61
6760.00	28.220	268.540	6696.90	-94.45	-47.31	-267.82	1788210.96	441035.98	39°42'32.785"N	80°08'27.048"W	271.97	259.982	0.67	0.29	1.27
6854.00	26.360	268.100	6780.43	-115.13	-48.57	-310.90	1788167.88	441034.73	39°42'32.769"N	80°08'27.599"W	314.67	261.121	1.99	-1.98	-0.47
6949.00	26.160	266.420	6865.63	-134.60	-50.57	-352.88	1788125.90	441032.72	39°42'32.747"N	80°08'28.136"W	356.48	261.844	0.81	-0.21	-1.77
7044.00	26.630	264.310	6950.73	-152.91	-53.99	-394.97	1788083.82	441029.30	39°42'32.710"N	80°08'28.674"W	398.64	262.216	1.10	0.49	-2.22
7139.00	28.200	260.020	7035.06	-169.60	-59.99	-438.27	1788040.52	441023.30	39°42'32.647"N	80°08'29.228"W	442.35	262.205	2.66	1.65	-4.52
7234.00	27.770	266.150	7118.97	-187.29	-65.37	-482.46	1787996.33	441017.92	39°42'32.591"N	80°08'29.793"W	486.87	262.284	3.05	-0.45	6.45
7329.00	25.310	268.070	7203.96	-206.82	-67.54	-524.85	1787953.94	441015.75	39°42'32.567"N	80°08'30.335"W	529.17	262.667	2.74	-2.59	2.02
7424.00	25.710	261.850	7289.71	-224.27	-71.15	-565.55	1787913.25	441012.15	39°42'32.528"N	80°08'30.855"W	570.01	262.830	2.85	0.42	-6.55
7519.00	23.880	245.510	7376.05	-234.03	-82.05	-603.49	1787875.30	441001.24	39°42'32.418"N	80°08'31.340"W	609.05	262.257	7.44	-1.93	-17.20
7614.00	27.090	235.910	7461.83	-234.57	-102.16	-638.93	1787839.87	440981.13	39°42'32.217"N	80°08'31.791"W	647.05	260.915	5.50	3.38	-10.11
7709.00	31.220	219.230	7544.92	-224.54	-133.42	-672.49	1787806.31	440949.87	39°42'31.905"N	80°08'32.218"W	685.59	258.778	9.56	4.35	-17.56
7804.00	30.150	196.100	7626.90	-199.42	-175.57	-694.75	1787784.05	440907.73	39°42'31.487"N	80°08'32.499"W	716.59	255.818	12.41	-1.13	-24.35
7900.00	34.970	178.270	7707.98	-158.53	-226.38	-700.62	1787778.18	440856.93	39°42'30.985"N	80°08'32.569"W	736.29	252.094	11.14	5.02	-18.57
7995.00	42.760	168.080	7781.97	-103.90	-285.29	-693.12	1787785.68	440798.01	39°42'30.403"N	80°08'32.468"W	749.54	247.628	10.59	8.20	-10.73
8090.00	53.780	167.300	7845.10	-36.57	-354.44	-677.99	1787800.81	440728.87	39°42'29.721"N	80°08'32.268"W	765.05	242.400	11.62	11.60	-0.82
8184.00	61.920	170.620	7895.09	38.43	-432.49	-662.87	1787815.93	440650.82	39°42'28.950"N	80°08'32.067"W	791.48	236.877	9.16	8.66	3.53
8280.00	71.790	168.830	7932.78	121.25	-519.23	-647.09	1787831.71	440564.09	39°42'28.094"N	80°08'31.858"W	829.65	231.256	10.42	10.28	-1.86
8375.00	78.250	157.360	7957.40	210.33	-606.78	-620.34	1787858.46	440476.54	39°42'27.231"N	80°08'31.507"W	867.76	225.633	13.49	6.80	-12.77
8470.00	81.130	148.120	7974.44	303.54	-689.75	-577.55	1787901.25	440393.58	39°42'26.414"N	80°08'30.952"W	899.62	219.941	10.04	3.03	-9.73
8564.00	88.890	150.020	7982.61	397.11	-770.02	-529.46	1787949.33	440313.32	39°42'25.624"N	80°08'30.330"W	934.48	214.513	8.50	8.26	2.92
8659.00	89.420	149.810	7984.01	492.40	-849.91	-481.85	1787996.94	440231.13	39°42'24.815"N	80°08'29.713"W	979.00	209.484	0.60	0.56	-0.22

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REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #02
Area	Monongalia County, WV	Well	Jenkins 2H
Field	Monongalia	Wellbore	Jenkins 2H AWB
Facility	Jenkins Pad		

WELLPATH DATA (190 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]
8754.00	90.340	148.780	7984.21	587.09	-933.89	-433.34	1788045.45	440149.46	39°42'24.01"N	80°08'29.085"W	1029.53	204.892	1.45	0.97	-1.08
8849.00	89.910	150.850	7984.00	682.09	-1016.00	-385.58	1788093.21	440067.35	39°42'23.203"N	80°08'28.466"W	1086.71	200.782	2.23	-0.45	2.18
8944.00	89.880	154.100	7984.18	776.96	-1100.24	-341.68	1788137.10	439983.12	39°42'22.374"N	80°08'27.897"W	1152.07	197.252	3.42	-0.03	3.42
9039.00	90.710	153.670	7983.69	871.70	-1185.54	-299.87	1788178.91	439897.83	39°42'21.534"N	80°08'27.354"W	1222.87	194.194	0.98	0.87	-0.45
9134.00	90.650	152.230	7982.56	966.53	-1270.14	-256.67	1788222.11	439813.23	39°42'20.701"N	80°08'26.794"W	1295.81	191.424	1.52	-0.06	-1.52
9228.00	90.770	151.620	7981.39	1060.45	-1353.07	-212.43	1788266.34	439730.30	39°42'19.884"N	80°08'26.220"W	1369.64	188.923	0.66	0.13	-0.65
9323.00	90.920	147.810	7979.99	1155.42	-1435.08	-164.54	1788314.23	439648.30	39°42'19.077"N	80°08'25.600"W	1444.48	186.541	4.01	0.16	-4.01
9419.00	90.860	147.870	7978.50	1251.36	-1516.34	-113.44	1788365.32	439567.04	39°42'18.278"N	80°08'24.939"W	1520.58	184.279	0.09	-0.06	0.06
9514.00	90.580	149.610	7977.31	1346.34	-1597.54	-64.15	1788414.61	439485.85	39°42'17.479"N	80°08'24.301"W	1598.83	182.300	1.85	-0.29	1.83
9609.00	90.310	150.950	7976.57	1441.33	-1680.04	-17.06	1788461.70	439403.35	39°42'16.667"N	80°08'23.691"W	1680.12	180.582	1.44	-0.28	1.41
9704.00	90.710	150.280	7975.72	1536.31	-1762.81	29.55	1788508.31	439320.59	39°42'15.852"N	80°08'23.087"W	1763.06	179.039	0.82	0.42	-0.71
9800.00	90.550	148.690	7974.67	1632.30	-1845.51	78.30	1788557.05	439237.89	39°42'15.038"N	80°08'22.456"W	1847.17	177.571	1.66	-0.17	-1.66
9895.00	90.980	146.560	7973.40	1727.23	-1925.73	129.16	1788607.91	439157.68	39°42'14.249"N	80°08'21.798"W	1930.05	176.163	2.29	0.45	-2.24
9990.00	91.020	144.480	7971.74	1821.96	-2004.02	182.93	1788661.68	439079.39	39°42'13.479"N	80°08'21.103"W	2012.35	174.785	2.19	0.04	-2.19
10085.00	90.980	144.410	7970.08	1916.55	-2081.30	238.16	1788716.90	439002.12	39°42'12.719"N	80°08'20.389"W	2094.88	173.472	0.08	-0.04	-0.07
10180.00	91.450	145.010	7968.07	2011.18	-2158.82	293.03	1788771.77	438924.60	39°42'11.957"N	80°08'19.680"W	2178.62	172.270	0.80	0.49	0.63
10273.00	91.320	145.620	7965.82	2103.88	-2235.27	345.94	1788824.68	438848.15	39°42'11.205"N	80°08'18.996"W	2261.89	171.203	0.67	-0.14	0.66
10368.00	91.720	148.080	7963.30	2198.73	-2314.78	397.86	1788876.60	438768.65	39°42'10.423"N	80°08'18.324"W	2348.72	170.247	2.62	0.42	2.59
10463.00	91.200	149.110	7960.88	2293.68	-2395.83	447.35	1788926.08	438687.60	39°42'09.626"N	80°08'17.684"W	2437.24	169.424	1.21	-0.55	1.08
10558.00	91.720	149.910	7958.46	2388.65	-2477.67	495.54	1788974.27	438605.77	39°42'08.820"N	80°08'17.060"W	2526.74	168.690	1.00	0.55	0.84
10653.00	90.800	149.470	7956.37	2483.62	-2559.66	543.47	1789022.19	438523.78	39°42'08.013"N	80°08'16.439"W	2616.72	168.013	1.07	-0.97	-0.46
10749.00	90.740	149.760	7955.08	2579.61	-2642.47	592.02	1789070.75	438440.98	39°42'07.198"N	80°08'15.810"W	2707.98	167.372	0.31	-0.06	0.30
10844.00	90.520	149.540	7954.04	2674.61	-2724.44	640.02	1789118.74	438359.01	39°42'06.392"N	80°08'15.189"W	2798.61	166.780	0.33	-0.23	-0.23
10939.00	90.580	149.980	7953.12	2769.60	-2806.51	687.86	1789166.58	438276.95	39°42'05.584"N	80°08'14.569"W	2889.58	166.229	0.47	0.06	0.46
11035.00	90.460	152.180	7952.25	2865.56	-2890.53	734.28	1789213.00	438192.93	39°42'04.757"N	80°08'13.968"W	2982.34	165.747	2.29	-0.13	2.29
11130.00	90.280	153.610	7951.64	2960.41	-2975.10	777.56	1789256.28	438108.37	39°42'03.924"N	80°08'13.407"W	3075.03	165.363	1.52	-0.19	1.51
11225.00	90.250	155.850	7951.20	3055.03	-3061.00	818.11	1789296.82	438022.48	39°42'03.078"N	80°08'12.880"W	3168.44	165.036	2.36	-0.03	2.36
11320.00	91.380	157.590	7949.85	3149.29	-3148.25	855.65	1789334.36	437935.23	39°42'02.218"N	80°08'12.392"W	3262.46	164.795	2.18	1.19	1.33
11415.00	90.400	157.540	7948.37	3243.38	-3236.05	891.91	1789370.61	437847.44	39°42'01.353"N	80°08'11.920"W	3356.71	164.591	1.03	-1.03	-0.99
11511.00	90.740	152.360	7947.42	3338.93	-3322.98	932.54	1789411.24	437760.51	39°42'00.497"N	80°08'11.392"W	3451.35	164.324	5.41	0.35	-5.30

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REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #02
Area	Monongalia County, WV	Well	Jenkins 2H
Field	Monongalia	Wellbore	Jenkins 2H AWB
Facility	Jenkins Pad		

WELLPATH DATA (190 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)
11605.00	91.020	148.940	7945.97	3432.89	-3404.90	978.60	1789457.30	437678.60	39°41'59.691"N	80°08'10.796"W	3542.74	163.965	3.65	0.30	-3.64
11701.00	91.020	148.370	7944.26	3528.86	-3486.87	1028.53	1789507.23	437596.63	39°41'58.884"N	80°08'10.149"W	3635.40	163.965	0.59	0.00	-0.59
11796.00	90.000	149.860	7943.42	3623.85	-3568.39	1077.29	1789555.98	437515.11	39°41'58.082"N	80°08'09.518"W	3727.46	163.201	1.90	-1.07	1.57
11889.00	91.450	148.400	7942.24	3716.83	-3648.21	1125.00	1789603.69	437435.30	39°41'57.296"N	80°08'08.901"W	3817.73	162.862	2.21	1.56	-1.57
11984.00	90.520	147.190	7940.61	3811.77	-3728.58	1175.62	1789654.31	437354.94	39°41'56.506"N	80°08'08.246"W	3909.52	162.500	1.61	-0.98	-1.27
12078.00	90.220	146.320	7940.00	3905.64	-3807.19	1227.15	1789705.84	437276.33	39°41'55.732"N	80°08'07.579"W	4000.08	162.135	0.98	-0.32	-0.93
12173.00	90.220	144.940	7939.64	4000.40	-3885.60	1280.78	1789759.46	437197.92	39°41'54.961"N	80°08'06.886"W	4091.25	161.757	1.45	0.00	-1.45
12268.00	90.280	145.600	7939.27	4095.12	-3963.68	1334.90	1789813.58	437119.85	39°41'54.193"N	80°08'06.187"W	4182.43	161.387	0.70	0.06	0.69
12364.00	90.620	146.390	7938.47	4190.92	-4043.26	1388.59	1789867.27	437040.28	39°41'53.411"N	80°08'05.493"W	4275.06	161.046	0.90	0.35	0.82
12459.00	91.020	148.450	7937.11	4285.84	-4123.29	1439.74	1789916.41	436960.24	39°41'52.623"N	80°08'04.831"W	4367.43	160.752	2.21	0.42	2.17
12554.00	90.650	151.060	7935.72	4380.82	-4205.35	1487.58	1789966.25	436878.20	39°41'51.816"N	80°08'04.212"W	4460.70	160.520	2.77	-0.39	2.75
12649.00	90.060	150.290	7935.14	4475.80	-4288.17	1534.11	1790012.77	436795.38	39°41'51.001"N	80°08'03.609"W	4554.33	160.315	1.02	-0.62	-0.81
12744.00	90.400	149.400	7934.75	4570.80	-4370.31	1581.83	1790060.49	436713.24	39°41'50.192"N	80°08'02.991"W	4647.78	160.102	1.00	0.36	-0.94
12839.00	89.630	151.060	7934.73	4665.79	-4452.77	1628.99	1790107.66	436630.79	39°41'49.380"N	80°08'02.380"W	4741.39	159.906	1.93	-0.81	1.75
12933.00	88.450	150.630	7935.48	4759.77	-4534.86	1674.79	1790153.45	436548.70	39°41'48.572"N	80°08'01.787"W	4834.24	159.730	0.50	-0.19	-0.46
13029.00	89.230	148.800	7936.59	4855.75	-4617.75	1723.19	1790201.85	436465.82	39°41'47.757"N	80°08'01.160"W	4928.79	159.536	1.92	-0.23	-1.91
13123.00	88.740	149.280	7938.26	4949.73	-4698.34	1771.54	1790250.20	436385.23	39°41'46.964"N	80°08'00.534"W	5021.24	159.341	0.73	-0.52	0.51
13221.00	90.770	150.570	7938.67	5047.72	-4783.14	1820.65	1790299.30	436300.43	39°41'46.129"N	80°07'59.898"W	5117.93	159.161	2.45	2.07	1.32
13316.00	90.740	152.860	7937.42	5142.65	-4866.79	1865.66	1790344.31	436216.80	39°41'45.305"N	80°07'59.315"W	5212.13	159.026	2.41	-0.03	2.41
13412.00	90.800	152.750	7936.13	5238.50	-4952.17	1909.53	1790388.18	436131.42	39°41'44.465"N	80°07'58.746"W	5307.57	158.914	0.13	0.06	-0.11
13506.00	90.980	154.030	7934.67	5332.28	-5036.20	1951.63	1790430.27	436047.39	39°41'43.637"N	80°07'58.200"W	5401.13	158.818	1.37	0.19	1.36
13602.00	91.020	152.830	7933.00	5428.06	-5122.05	1994.56	1790473.20	435961.55	39°41'42.792"N	80°07'57.643"W	5496.69	158.724	1.25	0.04	-1.25
13696.00	91.080	149.730	7931.27	5521.99	-5204.46	2039.72	1790518.36	435879.15	39°41'41.980"N	80°07'57.058"W	5589.89	158.599	3.30	0.06	-3.30
13791.00	91.050	146.580	7929.51	5616.93	-5285.13	2089.83	1790568.46	435798.47	39°41'41.187"N	80°07'56.410"W	5683.31	158.425	3.32	-0.03	-3.32
13885.00	91.140	147.480	7927.71	5710.82	-5363.98	2140.97	1790619.60	435719.63	39°41'40.411"N	80°07'55.748"W	5775.47	158.241	0.96	0.10	0.96
13980.00	91.450	146.280	7925.56	5805.68	-5443.52	2192.87	1790671.49	435640.09	39°41'39.629"N	80°07'55.077"W	5868.61	158.058	1.30	0.33	-1.26
14075.00	91.230	147.420	7923.34	5900.54	-5523.04	2244.80	1790723.42	435560.58	39°41'38.846"N	80°07'54.406"W	5961.80	157.881	1.22	-0.23	1.22
14170.00	91.480	147.710	7921.10	5995.45	-5603.20	2295.74	1790774.36	435480.43	39°41'38.058"N	80°07'53.747"W	6055.26	157.720	0.40	0.26	0.31
14266.00	89.450	147.510	7920.32	6081.38	-5684.25	2347.16	1790825.78	435399.38	39°41'37.260"N	80°07'53.082"W	6149.79	157.563	2.12	-2.11	-0.41
14361.00	90.250	147.060	7920.57	6166.25	-5764.18	2398.50	1790877.12	435319.45	39°41'36.474"N	80°07'52.418"W	6243.29	157.408	0.97	0.84	-0.84

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REFERENCE WELLPATH IDENTIFICATION

Operator	Slot	Slot #02
NORTHEAST NATURAL ENERGY, LLC	Well	Jenkins 2H
Area	Wellbore	Jenkins 2H AWB
Field		
Facility		

WELLPATH DATA (190 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]
14457.00	90.740	148.530	7919.74	6282.24	-5845.41	2449.66	1790928.27	435238.23	39°41'35.675"N	80°07'51.756"W	6337.95	157.263	1.61	0.51	1.53
14552.00	90.460	151.070	7918.74	6377.22	-5927.50	2497.44	1790976.05	435156.14	39°41'34.867"N	80°07'51.138"W	6432.15	157.153	2.69	-0.29	2.67
14647.00	90.310	152.900	7918.10	6472.14	-6011.36	2542.06	1791020.67	435072.29	39°41'34.041"N	80°07'50.559"W	6526.76	157.078	1.93	-0.16	1.93
14742.00	90.620	150.710	7917.33	6567.06	-6095.08	2586.94	1791065.55	434988.57	39°41'33.217"N	80°07'49.978"W	6621.35	157.002	2.33	0.33	-2.31
14837.00	90.340	148.860	7916.54	6662.06	-6177.17	2634.75	1791113.35	434906.49	39°41'32.409"N	80°07'49.359"W	6715.60	156.900	1.97	-0.29	-1.95
14932.00	90.800	148.890	7915.59	6757.04	-6258.49	2683.85	1791162.45	434825.18	39°41'31.609"N	80°07'48.723"W	6809.68	156.789	0.49	0.48	0.03
15026.00	90.370	147.360	7914.63	6851.00	-6338.31	2733.48	1791212.08	434745.36	39°41'30.823"N	80°07'48.081"W	6902.62	156.671	1.69	-0.46	-1.63
15121.00	90.800	148.790	7913.66	6945.96	-6418.93	2783.72	1791262.31	434664.74	39°41'30.030"N	80°07'47.431"W	6996.56	156.555	1.57	0.45	1.51
15215.00	90.800	152.030	7912.35	7039.93	-6500.66	2830.12	1791308.71	434589.12	39°41'29.226"N	80°07'46.831"W	7090.00	156.474	3.45	0.00	3.45
15310.00	90.580	152.060	7911.20	7134.84	-6584.56	2874.65	1791353.24	434499.03	39°41'28.399"N	80°07'46.253"W	7184.71	156.415	0.23	-0.23	0.03
15404.00	90.370	150.970	7910.42	7228.78	-6667.18	2919.48	1791398.07	434416.51	39°41'27.586"N	80°07'45.673"W	7278.37	156.352	1.18	-0.22	-1.16
15499.00	90.430	150.860	7909.76	7323.76	-6750.20	2965.66	1791444.24	434333.50	39°41'26.769"N	80°07'45.074"W	7372.95	156.282	0.13	0.06	-0.12
15594.00	91.020	152.140	7908.56	7418.70	-6833.68	3010.99	1791489.56	434250.02	39°41'25.947"N	80°07'44.487"W	7467.61	156.221	1.48	0.62	1.35
15689.00	91.910	151.910	7906.13	7513.59	-6917.55	3055.53	1791534.11	434166.16	39°41'25.121"N	80°07'43.910"W	7562.33	156.169	0.97	0.94	-0.24
15784.00	91.420	148.660	7903.37	7608.53	-7000.01	3102.60	1791581.17	434083.70	39°41'24.309"N	80°07'43.300"W	7656.78	156.096	3.46	-0.52	-3.42
15880.00	91.320	144.870	7901.07	7704.36	-7080.27	3155.19	1791633.76	434003.45	39°41'23.520"N	80°07'42.620"W	7751.48	155.981	3.95	-0.10	-3.95
15974.00	91.080	144.070	7899.10	7797.95	-7156.75	3209.80	1791688.37	433926.97	39°41'22.768"N	80°07'41.915"W	7843.59	155.844	0.89	-0.26	-0.86
16070.00	91.050	144.320	7897.32	7893.50	-7234.59	3265.96	1791744.52	433849.13	39°41'22.002"N	80°07'41.190"W	7937.62	155.704	0.26	-0.03	0.26
16165.00	90.980	148.070	7895.64	7988.29	-7313.51	3318.79	1791797.35	433770.22	39°41'21.226"N	80°07'40.507"W	8031.30	155.592	3.95	-0.07	3.95
16260.00	91.050	152.490	7893.95	8083.25	-7395.98	3365.87	1791844.43	433687.76	39°41'20.414"N	80°07'39.897"W	8125.86	155.530	4.65	0.07	4.65
16356.00	91.230	153.960	7892.04	8179.04	-7481.66	3409.11	1791887.66	433602.08	39°41'19.571"N	80°07'39.336"W	8221.76	155.503	1.54	0.19	1.53
16451.00	90.860	151.240	7890.31	8273.89	-7565.98	3452.82	1791931.37	433517.76	39°41'18.740"N	80°07'38.770"W	8316.61	155.470	2.89	-0.39	-2.86
16545.00	89.750	148.750	7889.81	8367.88	-7647.38	3499.82	1791978.37	433436.37	39°41'17.939"N	80°07'38.161"W	8410.18	155.409	2.90	-1.18	-2.65
16640.00	89.480	148.950	7890.45	8462.87	-7728.68	3548.96	1792027.50	433355.08	39°41'17.139"N	80°07'37.526"W	8504.56	155.336	0.35	-0.28	0.21
16735.00	89.600	149.970	7891.21	8557.86	-7810.50	3597.23	1792075.77	433273.26	39°41'16.334"N	80°07'36.901"W	8599.06	155.271	1.08	0.13	1.07
16830.00	90.120	151.200	7891.44	8652.85	-7893.25	3643.89	1792122.43	433190.52	39°41'15.519"N	80°07'36.297"W	8693.75	155.220	1.41	0.55	1.29
16926.00	90.120	152.310	7891.24	8748.78	-7977.82	3689.32	1792167.85	433105.95	39°41'14.687"N	80°07'35.708"W	8789.57	155.182	1.16	0.00	1.16
17021.00	89.660	150.860	7891.42	8843.73	-8061.37	3734.52	1792213.06	433022.41	39°41'13.864"N	80°07'35.122"W	8884.38	155.144	1.60	-0.48	-1.13
17116.00	89.050	149.030	7892.48	8938.72	-8143.59	3782.09	1792260.63	432940.20	39°41'13.055"N	80°07'34.506"W	8978.99	155.089	2.03	-0.64	-1.13
17211.00	89.600	149.510	7893.00	9033.71	-8225.83	3830.46	1792308.99	432858.44	39°41'12.250"N	80°07'33.880"W	9073.52	155.029	0.95	0.58	0.33

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REFERENCE WELLPATH IDENTIFICATION

Operator	Slot	Slot #02
NORTHEAST NATURAL ENERGY, LLC	Well	Jenkins 2H
Area	Wellbore	Jenkins 2H AWB
Field		
Facility		

WELLPATH DATA (190 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]
17306.00	89.750	149.800	7894.15	9128.71	-8307.42	3878.29	1792356.81	432776.37	39°41'11.442"N	80°07'33.261"W	9168.12	154.975	0.17	0.16	0.05
17401.00	90.250	149.670	7894.15	9223.70	-8389.48	3926.17	1792404.69	432694.32	39°41'10.635"N	80°07'32.642"W	9262.73	154.921	0.54	0.53	-0.14
17496.00	90.310	149.400	7893.69	9318.70	-8471.36	3974.33	1792452.85	432612.44	39°41'09.829"N	80°07'32.018"W	9357.31	154.866	0.29	0.06	-0.28
17591.00	90.830	148.970	7892.74	9413.69	-8552.94	4022.99	1792501.51	432530.86	39°41'09.026"N	80°07'31.389"W	9451.84	154.809	0.71	0.55	-0.45
17685.00	90.310	149.860	7891.81	9507.69	-8633.86	4070.82	1792549.33	432449.95	39°41'08.230"N	80°07'30.770"W	9545.42	154.756	1.10	-0.55	0.95
17780.00	90.520	149.160	7891.12	9602.68	-8715.72	4119.02	1792597.53	432368.09	39°41'07.424"N	80°07'30.146"W	9640.03	154.705	0.77	0.22	-0.74
17876.00	90.250	148.280	7890.47	9698.67	-8797.76	4168.86	1792647.37	432286.06	39°41'06.616"N	80°07'29.501"W	9735.51	154.646	0.96	-0.28	-0.92
17970.00	89.510	147.410	7890.67	9792.62	-8877.34	4218.89	1792697.40	432206.48	39°41'05.833"N	80°07'28.854"W	9828.85	154.581	1.22	-0.79	-0.93
18001.00	89.420	146.180	7890.96	9823.58	-8903.28	4235.87	1792714.37	432180.55	39°41'05.578"N	80°07'28.635"W	9859.56	154.557	3.98	-0.29	-3.97
18026.00	89.420	146.180	7891.21	9848.53	-8924.05	4249.78	1792728.28	432159.78	39°41'05.374"N	80°07'28.455"W	9884.29	154.535	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: Jenkins 2H AWB Ref Wellpath: Jenkins 2H AWP Proj: 18026'MD

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	End N/S [ft]	Start E/W [ft]	End E/W [ft]	End EW [ft]
9.625in Casing	25.00	2200.00	2175.00	25.00	2199.98	0.00	0.00	0.00	0.00	1.62
8.75in Open Hole	2200.00	6011.00	3811.00	2199.98	6010.78	1.62	-20.11	1.62	2.17	10.16
8.5in Open Hole	6011.00	18026.00	12015.00	6010.78	7891.21	-20.11	-8924.05	10.16	10.16	4249.78

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Jenkins 2H BHL Rev-3	7975.00	-8927.66	4244.35	1792722.85	432156.17	39°41'05.338"N	80°07'28.524"W	point
Jenkins 2H LP Rev-3	7975.00	-709.27	-565.00	1787913.79	440374.06	39°42'26.222"N	80°08'30.790"W	point

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REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #02
Area	Monongalia County, WV	Well	Jenkins 2H
Field	Monongalia	Wellbore	Jenkins 2H AWB
Facility	Jenkins Pad		

WELLPATH COMPOSITION - Ref Wellbore: Jenkins 2H AWB Ref Wellpath: Jenkins 2H AWP Proj: 18026'MD

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	5910.00	BHI Generic gyro - northseeking (Standard)	01_Javins Gyro <8-3/4"> (110'-5910')	Jenkins 2H AWB
5910.00	18001.00	BHI AutoTrak Curve (Short)	02_BH AT Curve <8-1/2"> (5910')(6000'-18001')	Jenkins 2H AWB
18001.00	18026.00	Blind Drilling (std)	Projection to bit	Jenkins 2H AWB

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REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Slot	Slot #02
Area	Monongalia County, WV	Well	Jenkins 2H
Field	Monongalia	Wellbore	Jenkins 2H AWB
Facility	Jenkins Pad		

COMMENTS

Wellpath general comments
 API: 47-061-01741-0000
 Job #: 8937692
 Rig: Patterson 334
 Duration: 01/23/2018 - 01/30/2018

05/31/2019

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