

NORTHEAST NATURAL ENERGY, LLC

Location: Monongalia County, WV
Field: Monongalia
Facility: Dolls Run Pad

Slot: Slot #1H
Well: Dolls Run 1H
Wellbore: Dolls Run 1H PWB

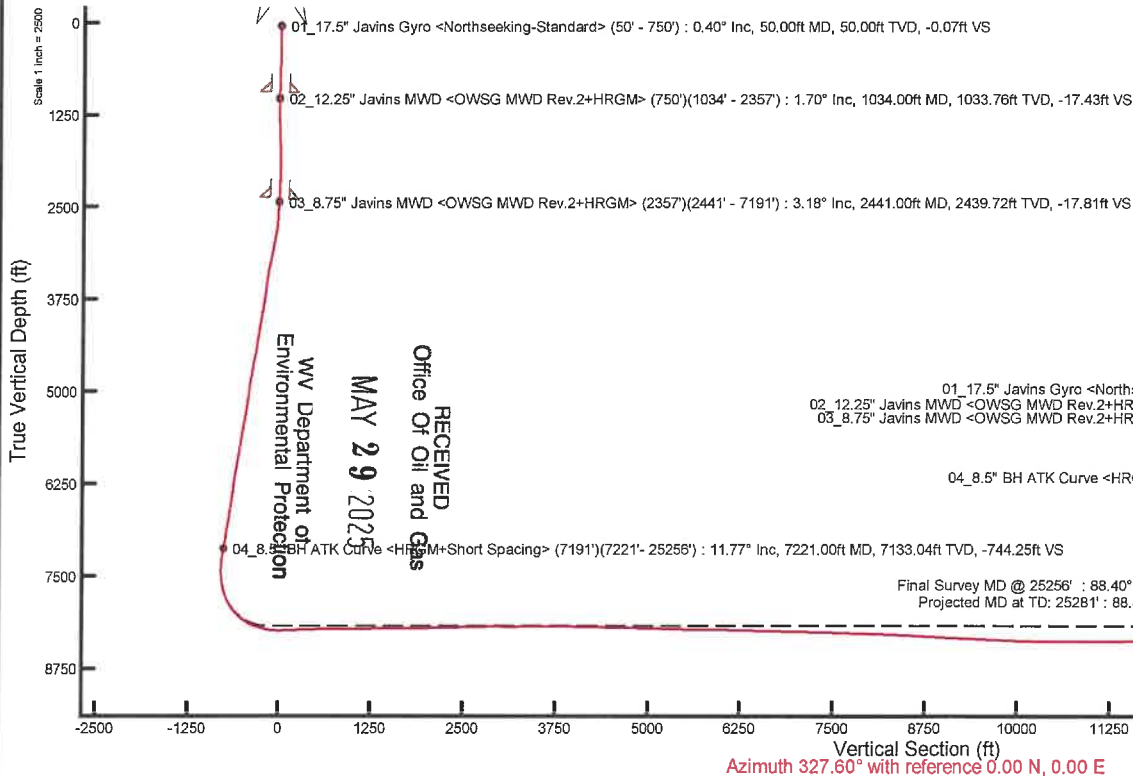
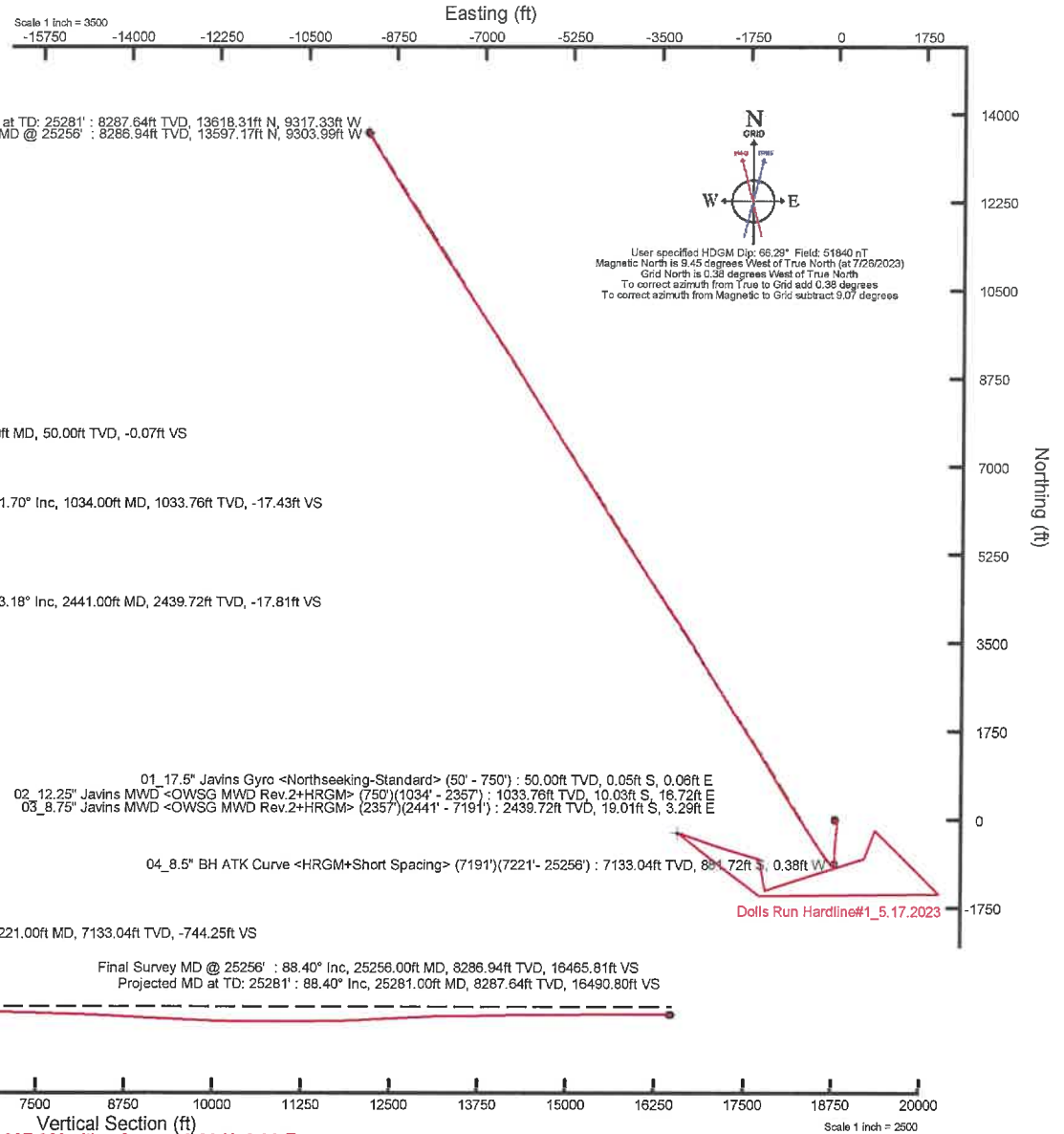


Plot reference well path is Dolls Run 1H Rev A/B	Grid System: NAD83 / Lambert West Virginia SP, Northern Zone (4703), US feet
True vertical depth is referenced to Patterson 277 (KB)	North Reference: Grid north
Reference well path measured depths are referenced to Patterson 277 (KB)	Scale: True distance
Patterson 277 (KB) to Mean Sea Level: 1330 feet	Coordinates are in feet referenced to GRS
Mean Sea Level to Ground level (At Slot Slot #1H) -1522 feet	Depths are in feet
Other well path MDs are referenced to each path's default MD datum	Created by m.walsh on 2023-08-02 Database: VLS_MPL_EASTERNUS_Debr

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Dolls Run Pad	1801477.970	417818.940	39°38'44.2060"N	80°05'35.3217"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Slot #1H	19.78	3.08	1801481.050	417838.700	39°38'44.4015"N
Patterson 277 (KB) to Ground level (At Slot Slot #1H)			28ft		
Mean Sea Level to Ground level (At Slot Slot #1H)			-1522ft		
Patterson 277 (KB) to Mean Sea Level			1550ft		

Well Profile Data								
Design Comment	MD (ft)	Inc. (")	Az. (")	TVD (ft)	Local N (ft)	Local E (ft)	D.S. (°/100ft)	VS (ft)
Tie On	7191.00	11.840	180.980	7103.67	-875.58	-0.37	0.71	-739.07
Projection	7351.00	11.840	180.980	7280.27	-908.41	-0.92	0.00	-766.49
Cont. Build+Turn	20.678	317.055	7771.55	-894.17	-86.09	5.81		-719.55
Landing Pt	8626.07	90.000	327.599	8175.00	-418.64	-400.89	9.25	-138.65
BHL	25256.07	90.000	327.599	8175.00	13622.34	-9311.89	0.00	16491.35

Well Data			
Slot	Well	Wellbore	Wellpath
Slot #1H	Dolls Run 1H	Dolls Run 1H A/B	Dolls Run 1H A/B Proj: 25281'
Slot #1H	Dolls Run 1H	Dolls Run 1H PWB	Dolls Run 1H Rev-A/B



RECEIVED
Office of Oil and Gas
MAY 29 2024
WV Department of Environmental Protection

10 of 31



Actual Wellpath Report

Dolls Run 1H AWP Proj: 25281'

Page 1 of 13



160837

REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Well	Dolls Run 1H
Field	Monongalia	API/Legal	
Facility	Dolls Run Pad	Wellbore	Dolls Run 1H AWB
Slot	Slot #1H		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Manajohj
Scale	0.999941	Report Generated	8/2/2023 at 4:16:50 PM
Convergence at slot	0.38° West	Database	WA_MPL_EASTERNUS_Defn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	19.76	3.08	1801481.05	417836.70	39°38'44.4015"N	80°05'35.2840"W
Facility Reference Pt			1801477.97	417816.94	39°38'44.2060"N	80°05'35.3217"W
Field Reference Pt			1777685.71	440640.65	39°42'28.1140"N	80°10'41.6900"W

WELLPATH DATUM

Calculation method	Minimum curvature	Patterson 277 (KB) to Facility Vertical Datum	1550.00ft
Horizontal Reference Pt	Slot	Patterson 277 (KB) to Mean Sea Level	1550.00ft
Vertical Reference Pt	Patterson 277 (KB)	Patterson 277 (KB) to Ground Level at Slot (Slot #1H)	28.00ft
MD Reference Pt	Patterson 277 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	327.60°

RECEIVED
Office Of Oil and Gas
MAY 29 2025
WV Department of
Environmental Protection

09/19/2025



Actual Wellpath Report

Dolls Run 1H AWP Proj: 25281'

Page 2 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Well	Dolls Run 1H
Field	Monongalia	API/Legal	
Facility	Dolls Run Pad	Wellbore	Dolls Run 1H AWB
Slot	Slot #1H		

WELLPATH DATA (275 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [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	127.160	0.00	-1550.00	0.00	0.00	0.00	1801481.05	417836.70	39°38'44.4015"N	80°05'35.2840"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	127.160	28.00	-1522.00	0.00	0.00	0.00	1801481.05	417836.70	39°38'44.4015"N	80°05'35.2840"W	0.00	0.000	0.00	0.00	0.00
50.00	0.400	127.160	50.00	-1500.00	-0.07	-0.05	0.06	1801481.11	417836.65	39°38'44.4010"N	80°05'35.2832"W	0.08	127.160	1.82	1.82	0.00
100.00	0.400	124.540	100.00	-1450.00	-0.40	-0.25	0.34	1801481.39	417836.45	39°38'44.3990"N	80°05'35.2795"W	0.43	126.086	0.04	0.00	-5.24
150.00	0.730	113.640	150.00	-1400.00	-0.82	-0.48	0.78	1801481.83	417836.22	39°38'44.3968"N	80°05'35.2740"W	0.91	121.484	0.69	0.66	-21.80
200.00	0.900	96.710	199.99	-1350.01	-1.33	-0.65	1.46	1801482.51	417836.05	39°38'44.3951"N	80°05'35.2652"W	1.60	114.013	0.59	0.34	-33.86
250.00	1.080	99.930	249.98	-1300.02	-1.90	-0.78	2.32	1801483.37	417835.92	39°38'44.3939"N	80°05'35.2543"W	2.44	108.576	0.38	0.36	6.44
300.00	0.980	91.830	299.98	-1250.02	-2.46	-0.87	3.21	1801484.26	417835.83	39°38'44.3930"N	80°05'35.2429"W	3.32	105.229	0.35	-0.20	-16.20
350.00	1.200	97.890	349.97	-1200.03	-3.03	-0.96	4.15	1801485.20	417835.74	39°38'44.3923"N	80°05'35.2308"W	4.26	102.998	0.50	0.44	12.12
400.00	1.000	91.900	399.96	-1150.04	-3.62	-1.04	5.11	1801486.16	417835.66	39°38'44.3915"N	80°05'35.2186"W	5.21	101.562	0.46	-0.40	-11.98
450.00	0.990	97.930	449.95	-1100.05	-4.14	-1.12	5.97	1801487.02	417835.58	39°38'44.3908"N	80°05'35.2075"W	6.08	100.614	0.21	-0.02	12.06
500.00	1.140	97.400	499.94	-1050.06	-4.74	-1.24	6.89	1801487.94	417835.46	39°38'44.3896"N	80°05'35.1957"W	7.00	100.220	0.30	0.30	-1.06
550.00	1.200	109.520	549.93	-1000.07	-5.47	-1.48	7.88	1801488.93	417835.22	39°38'44.3873"N	80°05'35.1831"W	8.02	100.650	0.51	0.12	24.24
600.00	1.540	118.450	599.92	-950.08	-6.47	-1.98	8.96	1801490.01	417834.72	39°38'44.3825"N	80°05'35.1692"W	9.18	102.436	0.80	0.68	17.86
650.00	1.130	114.030	649.90	-900.10	-7.47	-2.50	10.00	1801491.05	417834.20	39°38'44.3774"N	80°05'35.1559"W	10.31	104.017	0.84	-0.82	-8.84
700.00	1.660	130.310	699.89	-850.11	-8.57	-3.17	11.01	1801492.06	417833.53	39°38'44.3709"N	80°05'35.1430"W	11.45	106.051	1.31	1.06	32.56
750.00	1.580	120.860	749.87	-800.13	-9.88	-3.99	12.15	1801493.20	417832.71	39°38'44.3628"N	80°05'35.1283"W	12.79	108.174	0.56	-0.16	-18.90
1034.00	1.700	163.320	1033.76	-516.24	-17.43	-10.03	16.72	1801497.77	417826.67	39°38'44.3034"N	80°05'35.0694"W	19.50	120.964	0.42	0.04	14.95
1129.00	0.980	116.020	1128.74	-421.26	-19.48	-11.74	17.86	1801498.90	417824.96	39°38'44.2866"N	80°05'35.0547"W	21.37	123.322	1.33	-0.76	-49.79
1223.00	1.560	24.420	1222.72	-327.28	-19.46	-10.93	19.11	1801500.16	417825.77	39°38'44.2947"N	80°05'35.0388"W	22.01	119.763	1.98	0.62	-97.45
1318.00	2.940	10.080	1317.65	-232.35	-16.96	-7.35	20.07	1801501.12	417829.35	39°38'44.3301"N	80°05'35.0268"W	21.37	110.116	1.56	1.45	-15.09
1412.00	1.960	347.120	1411.56	-138.44	-13.67	-3.41	20.13	1801501.18	417833.29	39°38'44.3691"N	80°05'35.0263"W	20.42	99.613	1.46	-1.04	-24.43
1507.00	1.430	321.550	1506.52	-43.48	-10.96	-0.90	19.03	1801500.08	417835.80	39°38'44.3938"N	80°05'35.0406"W	19.05	92.700	0.96	-0.56	-26.92
1602.00	1.860	304.760	1601.48	51.48	-8.36	0.91	17.03	1801498.08	417837.61	39°38'44.4116"N	80°05'35.0663"W	17.05	86.942	0.68	0.45	-17.67
1696.00	2.510	294.850	1695.41	145.41	-5.22	2.64	13.91	1801494.96	417839.34	39°38'44.4285"N	80°05'35.1064"W	14.16	79.234	0.80	0.65	-10.54
1790.00	1.460	280.550	1789.36	239.36	-2.67	3.73	10.86	1801491.91	417840.43	39°38'44.4390"N	80°05'35.1454"W	11.49	71.055	1.23	-1.12	-15.21
1885.00	0.850	227.120	1884.34	334.34	-1.96	3.47	9.16	1801490.21	417840.17	39°38'44.4364"N	80°05'35.1672"W	9.79	69.240	1.23	-0.64	-56.24
1979.00	0.910	196.710	1978.33	428.33	-2.59	2.28	8.43	1801489.48	417838.98	39°38'44.4246"N	80°05'35.1764"W	8.73	74.858	0.49	0.06	-32.35
2074.00	1.540	181.470	2073.31	523.31	-4.15	0.28	8.18	1801489.23	417836.98	39°38'44.4048"N	80°05'35.1794"W	8.19	88.020	0.74	0.66	-16.04
2169.00	2.300	194.830	2168.25	618.25	-6.50	-2.84	7.66	1801488.71	417833.86	39°38'44.3739"N	80°05'35.1858"W	8.17	110.315	0.92	0.80	14.06

09/19/2025



Actual Wellpath Report

Dolls Run 1H AWP Proj: 25281'

Page 3 of 13



180831

REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Well	Dolls Run 1H
Field	Monongalia	API/Legal	
Facility	Dolls Run Pad	Wellbore	Dolls Run 1H AWB
Slot	Slot #1H		

WELLPATH DATA (275 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [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]
2263.00	3.290	197.260	2262.14	712.14	-9.53	-7.24	6.38	1801487.43	417829.47	39°38'44.3304"N	80°05'35.2018"W	9.65	138.605	1.06	1.05	2.59
2357.00	4.670	198.660	2355.91	805.91	-13.68	-13.44	4.35	1801485.40	417823.26	39°38'44.2689"N	80°05'35.2272"W	14.12	162.050	1.47	1.47	1.49
2441.00	3.180	179.160	2439.72	889.72	-17.81	-19.01	3.29	1801484.34	417817.69	39°38'44.2138"N	80°05'35.2403"W	19.29	170.171	2.36	-1.77	-23.21
2677.00	4.440	103.610	2675.32	1125.32	-29.97	-27.71	12.27	1801493.32	417809.00	39°38'44.1284"N	80°05'35.1247"W	30.30	156.109	2.02	0.53	-32.01
2725.00	5.060	114.370	2723.15	1173.15	-33.08	-29.02	16.01	1801497.06	417807.68	39°38'44.1157"N	80°05'35.0769"W	33.14	151.118	2.26	1.29	22.42
2854.00	9.900	132.490	2851.03	1301.03	-48.55	-38.86	29.38	1801510.42	417797.84	39°38'44.0193"N	80°05'34.9052"W	48.72	142.915	4.13	3.75	14.05
2917.00	8.990	137.840	2913.18	1363.18	-58.63	-46.17	36.67	1801517.72	417790.53	39°38'43.9476"N	80°05'34.8112"W	58.96	141.539	2.01	-1.44	8.49
3012.00	11.310	158.160	3006.72	1456.72	-75.11	-60.32	45.12	1801526.17	417776.38	39°38'43.8082"N	80°05'34.7020"W	75.33	143.203	4.45	2.44	21.39
3107.00	11.830	158.610	3099.78	1549.78	-93.83	-78.04	52.14	1801533.19	417758.67	39°38'43.6336"N	80°05'34.6108"W	93.86	146.251	0.56	0.55	0.47
3202.00	12.660	167.190	3192.63	1642.63	-113.20	-97.26	58.00	1801539.05	417739.45	39°38'43.4441"N	80°05'34.5343"W	113.24	149.190	2.10	0.87	9.03
3296.00	13.120	179.140	3284.28	1734.28	-132.00	-117.98	60.45	1801541.49	417718.73	39°38'43.2395"N	80°05'34.5013"W	132.56	152.871	2.87	0.49	12.71
3391.00	11.610	186.420	3377.08	1827.08	-148.64	-138.26	59.54	1801540.59	417698.45	39°38'43.0390"N	80°05'34.5112"W	150.53	156.701	2.28	-1.59	7.66
3486.00	10.510	191.950	3470.31	1920.31	-162.28	-156.23	56.68	1801537.72	417680.47	39°38'42.8611"N	80°05'34.5463"W	166.20	160.061	1.61	-1.16	5.82
3580.00	9.980	189.060	3562.82	2012.82	-174.50	-172.65	53.62	1801534.67	417664.06	39°38'42.6987"N	80°05'34.5839"W	180.79	162.746	0.80	-0.59	-3.07
3675.00	11.390	191.770	3656.17	2106.17	-187.39	-189.95	50.41	1801531.46	417646.76	39°38'42.5275"N	80°05'34.6235"W	196.52	165.136	1.59	1.51	2.85
3769.00	11.670	189.360	3748.28	2198.28	-201.14	-208.41	46.97	1801528.02	417628.30	39°38'42.3448"N	80°05'34.6659"W	213.64	167.298	0.59	0.30	-2.56
3867.00	11.590	187.730	3844.26	2294.26	-216.06	-227.95	44.04	1801525.09	417608.76	39°38'42.1516"N	80°05'34.7018"W	232.16	169.066	0.35	-0.08	-1.66
3962.00	11.350	182.480	3937.37	2387.37	-231.02	-246.75	42.35	1801523.40	417589.97	39°38'41.9657"N	80°05'34.7218"W	250.35	170.261	1.13	-0.25	-5.53
4056.00	11.190	188.920	4029.56	2479.56	-245.46	-265.00	40.54	1801521.58	417571.72	39°38'41.7852"N	80°05'34.7434"W	268.08	171.303	1.35	-0.17	6.85
4151.00	11.150	186.870	4122.76	2572.76	-259.50	-283.22	38.01	1801519.05	417553.49	39°38'41.6049"N	80°05'34.7742"W	285.76	172.357	0.42	-0.04	-2.16
4246.00	10.840	182.720	4216.02	2666.02	-273.92	-301.27	36.48	1801517.53	417535.45	39°38'41.4265"N	80°05'34.7921"W	303.47	173.095	0.89	-0.33	-4.37
4340.00	11.970	184.960	4308.16	2758.16	-288.89	-319.81	35.22	1801516.27	417516.91	39°38'41.2432"N	80°05'34.8067"W	321.74	173.715	1.29	1.20	2.38
4435.00	12.110	183.720	4401.07	2851.07	-304.77	-339.57	33.72	1801514.77	417497.15	39°38'41.0478"N	80°05'34.8242"W	341.24	174.328	0.31	0.15	-1.31
4530.00	12.440	183.070	4493.90	2943.90	-321.16	-359.73	32.53	1801513.58	417476.99	39°38'40.8485"N	80°05'34.8378"W	361.20	174.833	0.38	0.35	-0.66
4628.00	12.010	179.360	4589.68	3039.68	-338.42	-380.46	32.08	1801513.13	417456.26	39°38'40.6435"N	80°05'34.8418"W	381.81	175.181	0.91	-0.44	-3.79
4722.00	12.090	187.300	4681.61	3131.61	-354.31	-400.01	30.94	1801511.98	417436.72	39°38'40.4503"N	80°05'34.8547"W	401.20	175.578	1.76	0.09	8.45
4817.00	11.790	185.650	4774.56	3224.56	-369.61	-419.54	28.72	1801509.76	417417.19	39°38'40.2572"N	80°05'34.8815"W	420.52	176.084	0.48	-0.32	-1.74
4911.00	11.110	180.360	4866.69	3316.69	-384.79	-438.15	27.71	1801508.76	417398.58	39°38'40.0732"N	80°05'34.8927"W	439.03	176.381	1.33	-0.72	-5.63
5006.00	11.130	190.760	4959.92	3409.92	-399.18	-456.31	25.94	1801506.99	417380.42	39°38'39.8935"N	80°05'34.9138"W	457.05	176.746	2.11	0.02	10.95
5101.00	10.540	190.420	5053.22	3503.22	-412.24	-473.87	22.66	1801503.71	417362.86	39°38'39.7199"N	80°05'34.9543"W	474.41	177.262	0.62	-0.62	-0.36

09/19/2025



Actual Wellpath Report

Dolls Run 1H AWP Proj: 25281'

Page 4 of 13

19 of 81



REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Well	Dolls Run 1H
Field	Monongalia	API/Legal	
Facility	Dolls Run Pad	Wellbore	Dolls Run 1H AWB
Slot	Slot #1H		

WELLPATH DATA (275 stations)

MD (ft)	Inclination [°]	Azimuth [°]	TVD (ft)	TVDSS (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]
5195.00	10.250	184.960	5145.68	3595.68	-425.19	-490.65	20.38	1801501.43	417346.08	39°38'39.5538"N	80°05'34.9820"W	491.08	177.621	1.09	-0.31	-5.81
5290.00	10.060	181.200	5239.19	3689.19	-438.82	-507.37	19.48	1801500.53	417329.36	39°38'39.3885"N	80°05'34.9921"W	507.74	177.801	0.73	-0.20	-3.96
5384.00	11.000	181.090	5331.61	3781.61	-453.14	-524.55	19.14	1801500.18	417312.19	39°38'39.2188"N	80°05'34.9951"W	524.89	177.911	1.00	1.00	-0.12
5479.00	11.990	185.460	5424.71	3874.71	-468.49	-543.43	18.02	1801499.07	417293.30	39°38'39.0321"N	80°05'35.0077"W	543.73	178.100	1.39	1.04	4.60
5574.00	12.840	185.030	5517.48	3967.48	-484.66	-563.77	16.16	1801497.21	417272.97	39°38'38.8309"N	80°05'35.0298"W	564.00	178.358	0.90	0.89	-0.45
5669.00	12.830	181.830	5610.15	4060.15	-501.63	-584.67	14.90	1801495.95	417252.07	39°38'38.6243"N	80°05'35.0441"W	584.86	178.540	0.77	-0.22	-3.37
5767.00	11.940	185.080	5705.90	4155.90	-518.53	-605.47	13.66	1801494.71	417231.26	39°38'38.4186"N	80°05'35.0582"W	605.63	178.707	1.00	-0.70	-3.32
5861.00	11.450	184.620	5797.95	4247.95	-533.70	-624.46	12.05	1801493.10	417212.28	39°38'38.2309"N	80°05'35.0772"W	624.57	178.894	0.53	-0.52	-0.48
5956.00	10.740	179.710	5891.18	4341.18	-548.73	-642.71	11.34	1801492.39	417194.03	39°38'38.0505"N	80°05'35.0848"W	642.81	178.990	1.24	-0.75	-5.17
6051.00	9.830	176.640	5984.65	4434.65	-563.31	-659.66	11.86	1801492.91	417177.08	39°38'37.8830"N	80°05'35.0767"W	659.76	178.970	1.12	-0.96	-3.23
6146.00	10.780	178.750	6078.12	4528.12	-578.01	-676.63	12.53	1801493.57	417160.11	39°38'37.7153"N	80°05'35.0667"W	676.75	178.940	1.08	1.00	2.22
6240.00	10.280	175.660	6170.54	4620.54	-592.93	-693.79	13.35	1801494.40	417142.96	39°38'37.5458"N	80°05'35.0547"W	693.92	178.897	0.80	-0.53	-3.29
6335.00	9.770	183.730	6264.09	4714.09	-606.92	-710.28	13.47	1801494.52	417126.46	39°38'37.3828"N	80°05'35.0518"W	710.41	178.914	1.57	-0.54	8.49
6429.00	10.140	185.010	6356.87	4806.87	-619.94	-726.49	12.23	1801493.28	417110.26	39°38'37.2226"N	80°05'35.0663"W	726.59	179.036	0.46	0.39	1.36
6524.00	9.890	182.110	6450.23	4900.23	-633.30	-742.97	11.20	1801492.25	417093.78	39°38'37.0596"N	80°05'35.0781"W	743.05	179.137	0.59	-0.26	-3.05
6619.00	10.350	186.340	6543.75	4993.75	-646.68	-759.60	9.95	1801491.00	417077.14	39°38'36.8952"N	80°05'35.0926"W	759.67	179.249	0.92	0.48	4.45
6717.00	9.660	185.670	6640.26	5090.26	-660.02	-776.54	8.17	1801489.22	417060.21	39°38'36.7277"N	80°05'35.1140"W	776.58	179.397	0.71	-0.70	-0.66
6812.00	12.380	187.410	6733.50	5183.50	-674.12	-794.57	6.07	1801487.12	417042.18	39°38'36.5493"N	80°05'35.1393"W	794.59	179.582	2.88	2.86	1.83
6907.00	12.770	185.110	6826.22	5276.22	-690.27	-815.13	3.82	1801484.87	417021.62	39°38'36.3460"N	80°05'35.1663"W	815.14	179.732	0.67	0.41	-2.42
7002.00	12.590	184.760	6918.90	5368.90	-706.85	-835.90	2.03	1801483.08	417000.85	39°38'36.1406"N	80°05'35.1875"W	835.90	179.861	0.21	-0.19	-0.37
7096.00	12.080	184.020	7010.73	5460.73	-722.93	-855.92	0.49	1801481.54	416980.83	39°38'35.9426"N	80°05'35.2055"W	855.92	179.967	0.57	-0.54	-0.79
7191.00	11.840	180.960	7103.67	5553.67	-739.07	-875.58	-0.37	1801480.68	416961.17	39°38'35.7483"N	80°05'35.2148"W	875.58	180.025	0.71	-0.25	-3.22
7221.00	11.770	179.150	7133.04	5583.04	-744.25	-881.72	-0.38	1801480.67	416955.03	39°38'35.6876"N	80°05'35.2144"W	881.72	180.025	1.28	-0.23	-6.03
7316.00	11.390	175.860	7226.11	5676.11	-760.77	-900.77	0.44	1801481.49	416935.99	39°38'35.4995"N	80°05'35.2023"W	900.77	179.972	0.80	-0.40	-3.46
7411.00	8.560	193.180	7319.68	5769.68	-773.99	-917.01	-0.50	1801480.56	416919.74	39°38'35.3389"N	80°05'35.2129"W	917.01	180.031	4.31	-2.98	18.23
7505.00	8.840	227.760	7412.66	5862.66	-780.12	-928.69	-7.44	1801473.61	416908.07	39°38'35.2230"N	80°05'35.3007"W	928.72	180.459	5.49	0.30	36.79
7600.00	8.720	273.830	7506.66	5956.66	-777.11	-933.12	-20.05	1801461.00	416903.64	39°38'35.1784"N	80°05'35.4615"W	933.33	181.231	7.21	-0.13	48.49
7695.00	10.540	333.090	7600.53	6050.53	-784.17	-924.87	-31.19	1801449.86	416911.89	39°38'35.2592"N	80°05'35.6046"W	925.40	181.932	10.13	1.92	62.38
7789.00	16.100	317.370	7691.99	6141.99	-742.76	-907.60	-43.92	1801437.13	416929.16	39°38'35.4291"N	80°05'35.7688"W	908.66	182.771	7.01	5.91	-16.72
7884.00	22.180	315.050	7781.70	6231.70	-712.27	-885.19	-65.53	1801415.52	416951.56	39°38'35.6491"N	80°05'36.0470"W	887.61	184.234	6.45	6.40	-2.44

09/19/2025



Actual Wellpath Report

Dolls Run 1H AWP Proj: 25281'

Page 5 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Well	Dolls Run 1H
Field	Monongalia	API/Legal	
Facility	Dolls Run Pad	Wellbore	Dolls Run 1H AWB
Slot	Slot #1H		

WELLPATH DATA (275 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	TVDSS (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)
7978.00	30.350	320.280	7865.94	6315.94	-671.32	-854.31	-93.30	1801387.76	416982.44	39°38'35.9525"N	80°05'36.4045"W	859.39	186.232	9.03	8.69	5.56
8073.00	37.300	321.830	7944.81	6394.81	-618.81	-813.17	-126.46	1801354.59	417023.58	39°38'36.3569"N	80°05'36.8319"W	822.94	188.840	7.37	7.32	1.63
8168.00	44.110	322.860	8016.79	6466.79	-557.15	-764.13	-164.26	1801316.80	417072.62	39°38'36.8391"N	80°05'37.3192"W	781.58	192.132	7.20	7.17	1.08
8262.00	52.070	325.010	8079.53	6529.53	-487.40	-707.58	-205.34	1801275.73	417129.16	39°38'37.3952"N	80°05'37.8491"W	736.77	196.182	8.64	8.47	2.29
8357.00	60.560	324.260	8132.17	6582.17	-408.53	-643.19	-251.07	1801230.00	417193.55	39°38'38.0286"N	80°05'38.4391"W	690.46	201.323	8.96	8.94	-0.79
8452.00	68.980	326.210	8172.63	6622.63	-322.74	-572.63	-299.98	1801181.09	417264.10	39°38'38.7227"N	80°05'39.0704"W	646.45	207.648	9.05	8.86	2.05
8546.00	74.580	328.080	8202.01	6652.01	-233.52	-498.52	-349.70	1801131.37	417338.21	39°38'39.4519"N	80°05'39.7122"W	608.94	215.049	5.96	5.96	-0.14
8640.00	78.830	327.350	8223.62	6673.62	-142.07	-422.06	-399.89	1801081.19	417414.67	39°38'40.2043"N	80°05'40.3602"W	581.41	223.455	4.71	4.52	1.35
8735.00	87.170	326.990	8235.19	6685.19	-47.87	-342.90	-450.97	1801030.11	417493.82	39°38'40.9832"N	80°05'41.0199"W	566.52	232.752	8.79	8.78	-0.36
8829.00	91.200	326.850	8236.53	6686.53	46.10	-264.16	-502.26	1800978.82	417572.56	39°38'41.7580"N	80°05'41.6822"W	567.49	242.258	4.29	4.29	-0.15
8924.00	92.710	327.080	8233.29	6683.29	141.03	-184.56	-554.01	1800927.07	417652.15	39°38'42.5413"N	80°05'42.3506"W	583.95	251.575	1.61	1.59	0.24
9018.00	92.400	326.870	8229.10	6679.10	234.93	-105.83	-605.19	1800875.89	417730.88	39°38'43.3160"N	80°05'43.0115"W	614.38	260.081	0.40	-0.33	-0.22
9112.00	91.750	326.810	8225.69	6675.69	328.86	-27.19	-656.58	1800824.51	417809.51	39°38'44.0898"N	80°05'43.6750"W	657.14	267.629	0.69	-0.69	-0.06
9207.00	91.690	326.740	8222.84	6672.84	423.81	52.24	-708.61	1800772.49	417888.94	39°38'44.8714"N	80°05'44.3469"W	710.53	274.217	0.10	-0.06	-0.07
9302.00	91.630	326.890	8220.09	6670.09	518.76	131.72	-760.58	1800720.52	417968.41	39°38'45.6534"N	80°05'45.0180"W	771.90	279.825	0.17	-0.06	0.16
9396.00	91.450	326.750	8217.56	6667.56	612.72	210.36	-812.01	1800669.09	418047.05	39°38'46.4273"N	80°05'45.6821"W	838.81	284.524	0.24	-0.19	-0.15
9491.00	90.650	326.870	8215.82	6665.82	707.69	289.85	-864.00	1800617.10	418126.53	39°38'47.2094"N	80°05'46.3535"W	911.32	288.545	0.85	-0.84	0.13
9586.00	90.310	327.170	8215.03	6665.03	802.68	369.54	-915.71	1800565.39	418206.22	39°38'47.9936"N	80°05'47.0214"W	987.47	291.977	0.48	-0.36	0.32
9681.00	90.310	326.920	8214.51	6664.51	897.68	449.25	-967.39	1800513.72	418285.92	39°38'48.7780"N	80°05'47.6887"W	1066.62	294.910	0.26	0.00	-0.26
9775.00	90.460	327.050	8213.88	6663.88	991.67	528.07	-1018.61	1800462.51	418364.74	39°38'49.5536"N	80°05'48.3502"W	1147.35	297.403	0.21	0.16	0.14
9869.00	90.520	327.670	8213.08	6663.08	1085.67	607.22	-1069.30	1800411.81	418443.89	39°38'50.3325"N	80°05'49.0050"W	1229.69	299.591	0.66	0.06	0.66
9964.00	90.460	327.990	8212.26	6662.26	1180.66	687.63	-1119.88	1800361.24	418524.29	39°38'51.1238"N	80°05'49.6584"W	1314.15	301.551	0.34	-0.06	0.34
10059.00	90.920	328.880	8211.12	6661.12	1275.64	768.57	-1169.61	1800311.51	418605.23	39°38'51.9204"N	80°05'50.3010"W	1399.53	303.310	1.05	0.48	0.94
10153.00	90.090	327.870	8210.29	6660.29	1369.63	848.61	-1218.89	1800262.23	418685.26	39°38'52.7082"N	80°05'50.9379"W	1485.21	304.846	1.39	-0.88	-1.07
10248.00	90.860	328.440	8209.50	6659.50	1464.62	929.31	-1269.02	1800212.11	418765.95	39°38'53.5024"N	80°05'51.5855"W	1572.90	306.215	1.01	0.81	0.60
10343.00	90.310	327.680	8208.53	6658.53	1559.61	1009.92	-1319.27	1800161.86	418846.56	39°38'54.2957"N	80°05'52.2348"W	1661.45	307.434	0.99	-0.58	-0.80
10437.00	90.180	327.760	8208.13	6658.13	1653.61	1089.39	-1369.47	1800111.66	418926.02	39°38'55.0778"N	80°05'52.8833"W	1749.92	308.502	0.16	-0.14	0.08
10532.00	90.490	327.960	8207.58	6657.58	1748.61	1169.83	-1420.01	1800061.13	419006.46	39°38'55.8695"N	80°05'53.5363"W	1839.82	309.482	0.39	0.33	0.21
10626.00	90.920	328.070	8206.42	6656.42	1842.60	1249.55	-1469.80	1800011.34	419086.18	39°38'56.6541"N	80°05'54.1795"W	1929.17	310.370	0.47	0.46	0.12
10720.00	90.980	328.250	8204.86	6654.86	1936.58	1329.40	-1519.38	1799961.76	419166.01	39°38'57.4399"N	80°05'54.8202"W	2018.86	311.185	0.20	0.06	0.19

09/19/2025



Actual Wellpath Report

Dolls Run 1H AWP Proj: 25281'

Page 6 of 13

21831



REFERENCE WELLPATH IDENTIFICATION			
Operator	NORTHEAST NATURAL ENERGY, LLC	Well	Dolls Run 1H
Field	Monongalia	API/Legal	
Facility	Dolls Run Pad	Wellbore	Dolls Run 1H AWB
Slot	Slot #1H		

WELLPATH DATA (275 stations)																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [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]
10815.00	90.950	328.090	8203.26	6653.26	2031.56	1410.10	-1569.48	1799911.67	419246.71	39°38'58.2341"N	80°05'55.4675"W	2109.89	311.938	0.17	-0.03	-0.17
10909.00	90.000	327.290	8202.48	6652.48	2125.56	1489.54	-1619.72	1799861.43	419326.15	39°38'59.0159"N	80°05'56.1166"W	2200.50	312.603	1.32	-1.01	-0.85
11003.00	91.820	327.700	8200.99	6650.99	2219.54	1568.80	-1670.22	1799810.93	419405.40	39°38'59.7959"N	80°05'56.7690"W	2291.46	313.207	1.98	1.94	0.44
11098.00	91.540	327.430	8198.20	6648.20	2314.50	1648.95	-1721.15	1799760.00	419485.54	39°39'0.5846"N	80°05'57.4269"W	2383.57	313.773	0.41	-0.29	-0.28
11193.00	91.200	327.830	8195.93	6645.93	2409.47	1729.16	-1772.00	1799709.16	419565.75	39°39'1.3740"N	80°05'58.0838"W	2475.88	314.299	0.55	-0.36	0.42
11287.00	90.950	327.750	8194.17	6644.17	2503.46	1808.68	-1822.09	1799659.07	419645.27	39°39'2.1566"N	80°05'58.7311"W	2567.36	314.788	0.28	-0.27	-0.09
11381.00	91.020	327.860	8192.55	6642.55	2597.44	1888.21	-1872.17	1799609.00	419724.80	39°39'2.9393"N	80°05'59.3780"W	2659.02	315.244	0.14	0.07	0.12
11476.00	91.080	327.860	8190.81	6640.81	2692.42	1968.64	-1922.70	1799558.47	419805.22	39°39'3.7308"N	80°06'0.0309"W	2751.79	315.676	0.06	0.06	0.00
11570.00	92.460	328.710	8187.91	6637.91	2786.37	2048.56	-1972.09	1799509.08	419885.14	39°39'4.5174"N	80°06'0.6692"W	2843.55	316.090	1.72	1.47	0.90
11664.00	90.830	327.560	8185.21	6635.21	2880.32	2128.36	-2021.69	1799459.48	419964.93	39°39'5.3027"N	80°06'1.3101"W	2935.50	316.472	2.12	-1.73	-1.22
11758.00	89.690	328.040	8184.78	6634.78	2974.32	2207.90	-2071.78	1799409.40	420044.47	39°39'6.0855"N	80°06'1.9573"W	3027.72	316.822	1.32	-1.21	0.51
11853.00	88.550	327.900	8186.24	6636.24	3069.30	2288.43	-2122.16	1799359.02	420124.99	39°39'6.8780"N	80°06'2.6082"W	3120.97	317.159	1.21	-1.20	-0.15
11947.00	90.060	328.260	8187.38	6637.38	3163.29	2368.21	-2171.85	1799309.33	420204.76	39°39'7.6631"N	80°06'3.2504"W	3213.31	317.476	1.65	1.61	0.38
12042.00	91.570	330.570	8186.03	6636.03	3258.22	2449.97	-2220.18	1799261.00	420286.52	39°39'8.4680"N	80°06'3.8753"W	3306.29	317.817	2.90	1.59	2.43
12137.00	90.280	328.610	8184.50	6634.50	3353.15	2531.89	-2268.26	1799212.93	420368.43	39°39'9.2743"N	80°06'4.4969"W	3399.33	318.144	2.47	-1.36	-2.06
12232.00	92.090	328.480	8182.53	6632.53	3448.11	2612.91	-2317.82	1799163.37	420449.45	39°39'10.0717"N	80°06'5.1375"W	3492.79	318.425	1.91	1.91	-0.14
12326.00	90.120	327.940	8180.72	6630.72	3542.08	2692.79	-2367.33	1799113.86	420529.32	39°39'10.8579"N	80°06'5.7773"W	3585.44	318.680	2.17	-2.10	-0.57
12421.00	90.580	328.040	8180.14	6630.14	3637.08	2773.34	-2417.69	1799063.51	420609.87	39°39'11.6506"N	80°06'6.4280"W	3679.21	318.919	0.50	0.48	0.11
12515.00	89.820	327.060	8179.81	6629.81	3731.08	2852.66	-2468.12	1799013.08	420689.19	39°39'12.4312"N	80°06'7.0796"W	3772.17	319.134	1.32	-0.81	-1.04
12610.00	88.150	326.870	8181.49	6631.49	3826.05	2932.29	-2519.90	1798961.30	420768.81	39°39'13.2147"N	80°06'7.7484"W	3866.29	319.325	1.77	-1.76	-0.20
12705.00	88.680	328.190	8184.12	6634.12	3921.01	3012.40	-2570.88	1798910.33	420848.92	39°39'14.0031"N	80°06'8.4071"W	3960.30	319.522	1.50	0.56	1.39
12799.00	88.740	328.170	8186.24	6636.24	4014.98	3092.26	-2620.43	1798860.78	420928.77	39°39'14.7890"N	80°06'9.0474"W	4053.23	319.721	0.07	0.06	-0.02
12894.00	89.080	328.480	8188.05	6638.05	4109.96	3173.09	-2670.31	1798810.91	421009.60	39°39'15.5845"N	80°06'9.6920"W	4147.17	319.918	0.48	0.36	0.33
12988.00	88.370	328.690	8190.14	6640.14	4203.92	3253.29	-2719.29	1798761.93	421089.79	39°39'16.3739"N	80°06'10.3251"W	4240.10	320.109	0.79	-0.76	0.22
13083.00	88.950	328.190	8192.36	6642.36	4298.88	3334.22	-2769.00	1798712.22	421170.71	39°39'17.1703"N	80°06'10.9676"W	4334.09	320.291	0.81	0.61	-0.53
13177.00	88.990	328.280	8194.05	6644.05	4392.86	3414.12	-2818.47	1798662.75	421250.61	39°39'17.9567"N	80°06'11.6070"W	4427.19	320.459	0.10	0.04	0.10
13272.00	89.050	328.090	8195.67	6645.67	4487.84	3494.84	-2868.55	1798612.68	421331.32	39°39'18.7511"N	80°06'12.2542"W	4521.33	320.621	0.21	0.06	-0.20
13367.00	88.890	327.430	8197.38	6647.38	4582.83	3575.18	-2919.22	1798562.01	421411.66	39°39'19.5417"N	80°06'12.9089"W	4615.60	320.768	0.71	-0.17	-0.69
13461.00	88.860	327.100	8199.23	6649.23	4676.81	3654.23	-2970.04	1798511.19	421490.71	39°39'20.3196"N	80°06'13.5655"W	4708.99	320.897	0.35	-0.03	-0.35
13556.00	88.800	327.100	8201.17	6651.17	4771.78	3733.98	-3021.63	1798459.60	421570.45	39°39'21.1043"N	80°06'14.2319"W	4803.42	321.019	0.06	-0.06	0.00

09/19/2025



Actual Wellpath Report

Dolls Run 1H AWP Proj: 25281'

Page 7 of 13

22 0631



REFERENCE WELLPATH IDENTIFICATION			
Operator	NORTHEAST NATURAL ENERGY, LLC	Well	Dolls Run 1H
Field	Monongalia	API/Legal	
Facility	Dolls Run Pad	Wellbore	Dolls Run 1H AWB
Slot	Slot #1H		

WELLPATH DATA (275 stations)																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [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]
13651.00	88.830	327.190	8203.13	6653.13	4866.76	3813.77	-3073.16	1798408.08	421650.23	39°39'21.8894"N	80°06'14.8976"W	4897.87	321.138	0.10	0.03	0.09
13745.00	88.370	327.000	8205.43	6655.43	4960.73	3892.66	-3124.21	1798357.03	421729.13	39°39'22.6657"N	80°06'15.5571"W	4991.34	321.250	0.53	-0.49	-0.20
13840.00	88.370	327.010	8208.13	6658.13	5055.69	3972.31	-3175.92	1798305.32	421808.77	39°39'23.4494"N	80°06'16.2251"W	5085.84	321.357	0.01	0.00	0.01
13934.00	88.550	327.300	8210.66	6660.66	5149.65	4051.25	-3226.89	1798254.36	421887.71	39°39'24.2262"N	80°06'16.8835"W	5179.33	321.462	0.36	0.19	0.31
14029.00	88.220	327.170	8213.33	6663.33	5244.61	4131.11	-3278.28	1798202.97	421967.56	39°39'25.0119"N	80°06'17.5475"W	5273.82	321.568	0.37	-0.35	-0.14
14123.00	88.340	326.760	8216.16	6666.16	5338.56	4209.88	-3329.50	1798151.75	422046.32	39°39'25.7870"N	80°06'18.2091"W	5367.37	321.660	0.45	0.13	-0.44
14218.00	88.580	327.110	8218.71	6668.71	5433.52	4289.46	-3381.31	1798099.94	422125.90	39°39'26.5700"N	80°06'18.8784"W	5461.94	321.752	0.45	0.25	0.37
14312.00	88.830	326.790	8220.83	6670.83	5527.49	4368.23	-3432.56	1798048.70	422204.66	39°39'27.3451"N	80°06'19.5405"W	5555.53	321.840	0.43	0.27	-0.34
14407.00	88.800	327.170	8222.80	6672.80	5622.46	4447.87	-3484.32	1797996.94	422284.30	39°39'28.1287"N	80°06'20.2091"W	5650.14	321.926	0.40	-0.03	0.40
14501.00	88.650	326.880	8224.89	6674.89	5716.44	4526.71	-3535.47	1797945.80	422363.13	39°39'28.9044"N	80°06'20.8699"W	5743.75	322.009	0.35	-0.16	-0.31
14596.00	89.570	326.910	8226.37	6676.37	5811.42	4606.28	-3587.35	1797893.92	422442.69	39°39'29.6873"N	80°06'21.5401"W	5838.40	322.089	0.97	0.97	0.03
14691.00	90.340	327.050	8226.44	6676.44	5906.41	4685.93	-3639.12	1797842.15	422522.34	39°39'30.4710"N	80°06'22.2089"W	5933.05	322.167	0.82	0.81	0.15
14785.00	89.780	327.540	8226.34	6676.34	6000.41	4765.03	-3689.91	1797791.37	422601.44	39°39'31.2493"N	80°06'22.8651"W	6026.68	322.247	0.79	-0.60	0.52
14880.00	88.620	327.000	8227.67	6677.67	6095.39	4844.94	-3741.27	1797740.01	422681.34	39°39'32.0356"N	80°06'23.5286"W	6121.31	322.325	1.35	-1.22	-0.57
14975.00	88.490	326.970	8230.06	6680.06	6190.36	4924.57	-3793.01	1797688.27	422760.97	39°39'32.8192"N	80°06'24.1971"W	6215.97	322.396	0.14	-0.14	-0.03
15069.00	88.370	326.790	8232.64	6682.64	6284.32	5003.27	-3844.35	1797636.93	422839.66	39°39'33.5935"N	80°06'24.8604"W	6309.65	322.462	0.23	-0.13	-0.19
15164.00	88.830	327.150	8234.96	6684.96	6379.28	5082.89	-3896.12	1797585.17	422919.28	39°39'34.3769"N	80°06'25.5292"W	6404.34	322.529	0.61	0.48	0.38
15259.00	88.740	326.780	8236.97	6686.97	6474.25	5162.51	-3947.90	1797533.39	422998.90	39°39'35.1603"N	80°06'26.1981"W	6499.03	322.594	0.40	-0.09	-0.39
15353.00	89.080	327.420	8238.76	6688.78	6568.23	5241.42	-3998.95	1797482.35	423077.80	39°39'35.9368"N	80°06'26.8576"W	6592.73	322.658	0.77	0.36	0.68
15448.00	88.800	327.110	8240.52	6690.52	6663.22	5321.32	-4050.31	1797430.99	423157.70	39°39'36.7229"N	80°06'27.5213"W	6687.41	322.724	0.44	-0.29	-0.33
15543.00	88.090	326.610	8243.10	6693.10	6758.17	5400.84	-4102.22	1797379.08	423237.21	39°39'37.5053"N	80°06'28.1919"W	6782.13	322.781	0.91	-0.75	-0.53
15637.00	88.610	327.060	8245.80	6695.80	6852.12	5479.49	-4153.63	1797327.68	423315.86	39°39'38.2792"N	80°06'28.8560"W	6875.86	322.837	0.73	0.55	0.48
15732.00	88.890	327.070	8247.88	6697.88	6947.10	5559.21	-4205.26	1797276.04	423395.57	39°39'39.0635"N	80°06'29.5231"W	6970.58	322.894	0.29	0.29	0.01
15826.00	88.860	327.150	8249.72	6699.72	7041.08	5638.13	-4256.30	1797225.01	423474.48	39°39'39.8400"N	80°06'30.1825"W	7064.31	322.950	0.09	-0.03	0.09
15921.00	88.430	326.940	8251.97	6701.97	7136.04	5717.82	-4307.96	1797173.35	423554.17	39°39'40.6241"N	80°06'30.8500"W	7159.05	323.005	0.50	-0.45	-0.22
16015.00	88.650	326.810	8254.36	6704.36	7230.01	5796.51	-4359.31	1797122.00	423632.86	39°39'41.3984"N	80°06'31.5134"W	7252.81	323.055	0.27	0.23	-0.14
16110.00	88.710	326.930	8256.55	6706.55	7324.97	5876.05	-4411.22	1797070.10	423712.39	39°39'42.1810"N	80°06'32.1840"W	7347.57	323.104	0.14	0.06	0.13
16204.00	88.830	326.750	8258.57	6708.57	7418.94	5954.72	-4462.62	1797018.70	423791.06	39°39'42.9550"N	80°06'32.8481"W	7441.35	323.151	0.23	0.13	-0.19
16298.00	87.780	328.280	8261.35	6711.35	7512.90	6033.98	-4513.09	1796968.24	423870.31	39°39'43.7349"N	80°06'33.5002"W	7535.04	323.206	1.97	-1.12	1.63
16393.00	88.030	328.370	8264.82	6714.82	7607.83	6114.77	-4562.94	1796918.39	423951.10	39°39'44.5300"N	80°06'34.1446"W	7629.60	323.269	0.28	0.26	0.09

09/19/2025



Actual Wellpath Report

Dolls Run 1H AWP Proj: 25281'

Page 8 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Well	Dolls Run 1H
Field	Monongalia	API/Legal	
Facility	Dolls Run Pad	Wellbore	Dolls Run 1H AWB
Slot	Slot #1H		

WELLPATH DATA (275 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [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]
16488.00	88.370	328.450	8267.81	6717.81	7702.77	6195.65	-4612.68	1796868.66	424031.98	39°39'45.3260"N	80°06'34.7877"W	7724.18	323.332	0.37	0.36	0.06
16582.00	87.780	328.260	8270.97	6720.97	7796.71	6275.63	-4661.97	1796819.37	424111.95	39°39'46.1131"N	80°06'35.4249"W	7817.77	323.393	0.66	-0.63	-0.20
16677.00	88.000	328.340	8274.46	6724.46	7891.64	6356.40	-4711.85	1796769.49	424192.72	39°39'46.9080"N	80°06'36.0697"W	7912.36	323.451	0.25	0.23	0.08
16772.00	87.850	328.080	8277.90	6727.90	7986.57	6437.10	-4761.87	1796719.48	424273.41	39°39'47.7021"N	80°06'36.7163"W	8006.97	323.508	0.32	-0.16	-0.27
16867.00	87.630	327.900	8281.65	6731.65	8081.49	6517.59	-4812.18	1796669.16	424353.89	39°39'48.4942"N	80°06'37.3666"W	8101.61	323.560	0.30	-0.23	-0.19
16961.00	87.780	328.160	8285.41	6735.41	8175.41	6597.27	-4861.91	1796619.43	424433.57	39°39'49.2783"N	80°06'38.0095"W	8195.25	323.611	0.32	0.16	0.28
17056.00	87.420	327.460	8289.39	6739.39	8270.33	6677.60	-4912.48	1796568.87	424513.89	39°39'50.0688"N	80°06'38.6630"W	8289.92	323.659	0.83	-0.38	-0.74
17150.00	87.410	327.070	8293.63	6743.63	8364.23	6756.59	-4963.26	1796518.10	424592.87	39°39'50.8460"N	80°06'39.3192"W	8383.64	323.700	0.41	-0.01	-0.41
17245.00	87.570	327.680	8297.79	6747.79	8459.14	6836.52	-5014.43	1796466.93	424672.80	39°39'51.6325"N	80°06'39.9804"W	8478.35	323.741	0.66	0.17	0.64
17339.00	87.230	327.490	8302.06	6752.06	8553.04	6915.79	-5084.76	1796416.60	424752.07	39°39'52.4126"N	80°06'40.6310"W	8572.05	323.783	0.41	-0.36	-0.20
17434.00	87.040	328.010	8306.80	6756.80	8647.92	6996.04	-5115.39	1796365.97	424832.31	39°39'53.2022"N	80°06'41.2854"W	8666.70	323.826	0.58	-0.20	0.55
17529.00	87.200	327.690	8311.58	6761.58	8742.80	7076.37	-5165.88	1796315.48	424912.63	39°39'53.9927"N	80°06'41.9380"W	8761.35	323.870	0.38	0.17	-0.34
17624.00	87.230	328.100	8316.19	6766.19	8837.69	7156.74	-5216.31	1796265.06	424993.01	39°39'54.7836"N	80°06'42.5898"W	8856.01	323.913	0.43	0.03	0.43
17718.00	86.340	327.870	8321.46	6771.46	8931.54	7236.32	-5266.07	1796215.31	425072.58	39°39'55.5667"N	80°06'43.2330"W	8949.63	323.956	0.98	-0.95	-0.24
17813.00	86.770	328.020	8327.17	6777.17	9026.36	7316.69	-5316.39	1796164.98	425152.94	39°39'56.3576"N	80°06'43.8835"W	9044.23	323.997	0.48	0.45	0.16
17908.00	87.110	328.620	8332.24	6782.24	9121.22	7397.42	-5366.21	1796115.16	425233.67	39°39'57.1520"N	80°06'44.5276"W	9138.82	324.042	0.73	0.36	0.63
18002.00	88.090	328.130	8336.18	6786.18	9215.13	7477.39	-5415.46	1796065.92	425313.63	39°39'57.9390"N	80°06'45.1643"W	9232.47	324.086	1.17	1.04	-0.52
18097.00	87.570	328.150	8339.78	6789.78	9310.06	7558.02	-5465.57	1796015.82	425394.26	39°39'58.7325"N	80°06'45.8121"W	9327.17	324.127	0.55	-0.55	0.02
18192.00	87.630	328.410	8343.76	6793.76	9404.97	7638.76	-5515.47	1795965.91	425474.99	39°39'59.5270"N	80°06'46.4573"W	9421.84	324.169	0.28	0.06	0.27
18286.00	87.170	327.690	8348.02	6798.02	9498.86	7718.44	-5565.16	1795916.23	425554.66	39°40'00.3111"N	80°06'47.0996"W	9515.53	324.208	0.91	-0.49	-0.77
18380.00	87.290	327.870	8352.56	6802.56	9592.75	7797.87	-5615.22	1795866.17	425634.09	39°40'01.0927"N	80°06'47.7467"W	9609.24	324.242	0.23	0.13	0.19
18475.00	87.660	327.990	8356.75	6806.75	9687.66	7878.29	-5665.62	1795815.78	425714.51	39°40'01.8841"N	80°06'48.3981"W	9703.95	324.278	0.41	0.39	0.13
18568.00	87.510	328.090	8360.67	6810.67	9780.57	7957.12	-5714.80	1795766.60	425793.34	39°40'02.6599"N	80°06'49.0339"W	9796.67	324.314	0.19	-0.16	0.11
18663.00	87.510	327.930	8364.79	6814.79	9875.48	8037.62	-5765.08	1795716.32	425873.83	39°40'03.4520"N	80°06'49.6839"W	9891.39	324.350	0.17	0.00	-0.17
18757.00	86.680	327.970	8369.56	6819.56	9969.36	8117.19	-5814.90	1795666.51	425953.39	39°40'04.2350"N	80°06'50.3279"W	9985.08	324.383	0.88	-0.88	0.04
18852.00	87.600	328.270	8374.30	6824.30	10064.24	8197.76	-5865.01	1795616.40	426033.96	39°40'05.0279"N	80°06'50.9758"W	10079.76	324.419	1.02	0.97	0.32
18946.00	89.050	328.180	8377.05	6827.05	10158.19	8277.64	-5914.48	1795566.93	426113.83	39°40'05.8139"N	80°06'51.6154"W	10173.51	324.454	1.55	1.54	-0.10
19040.00	89.050	328.170	8378.60	6828.60	10252.17	8357.49	-5964.05	1795517.37	426193.68	39°40'06.5997"N	80°06'52.2562"W	10267.30	324.488	0.01	0.00	-0.01
19135.00	90.520	328.280	8378.96	6828.96	10347.16	8438.25	-6014.07	1795467.35	426274.44	39°40'07.3945"N	80°06'52.9030"W	10362.10	324.522	1.55	1.55	0.12
19229.00	88.740	327.720	8379.57	6829.57	10441.15	8517.96	-6063.88	1795417.54	426354.14	39°40'08.1789"N	80°06'53.5469"W	10455.92	324.553	1.99	-1.89	-0.60

09/19/2025



Actual Wellpath Report

Dolls Run 1H AWP Proj: 25281'

Page 9 of 13

24 of 31



REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Well	Dolls Run 1H
Field	Monongalia	API/Legal	
Facility	Dolls Run Pad	Wellbore	Dolls Run 1H AWB
Slot	Slot #1H		

WELLPATH DATA (275 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [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]
19324.00	88.980	327.790	8381.46	5831.46	10536.13	8598.30	6114.56	1795366.87	426434.47	39°40'8.9693"N	80°06'54.2020"W	10550.76	324.582	0.28	0.25	0.07
19419.00	88.340	327.650	8383.68	5833.68	10631.11	8678.59	6165.28	1795316.15	426514.76	39°40'9.7594"N	80°06'54.8576"W	10645.59	324.610	0.69	-0.67	-0.15
19513.00	89.540	328.350	8385.42	5835.42	10725.09	8758.29	6215.08	1795266.35	426594.46	39°40'10.5437"N	80°06'55.5015"W	10739.41	324.640	1.48	1.28	0.74
19608.00	91.110	327.960	8384.88	5834.88	10820.08	8838.99	6265.20	1795216.23	426675.15	39°40'11.3378"N	80°06'56.1495"W	10834.23	324.670	1.70	1.65	-0.41
19703.00	90.920	328.350	8383.20	5833.20	10915.06	8919.68	6315.32	1795166.12	426755.83	39°40'12.1318"N	80°06'56.7974"W	10929.04	324.701	0.46	-0.20	0.41
19797.00	91.350	328.940	8381.33	5831.33	11009.02	8999.93	6364.22	1795117.22	426836.08	39°40'12.9217"N	80°06'57.4298"W	11022.80	324.734	0.78	0.46	0.63
19892.00	89.820	327.230	8380.36	5830.36	11104.01	9080.56	6414.44	1795067.01	426916.71	39°40'13.7151"N	80°06'58.0791"W	11117.62	324.763	2.42	-1.61	-1.80
19987.00	90.860	328.590	8379.80	5829.80	11199.00	9161.04	6464.90	1795016.54	426997.18	39°40'14.5070"N	80°06'58.7315"W	11212.48	324.790	1.80	1.09	1.43
20082.00	88.490	326.420	8380.34	5830.34	11293.99	9241.16	6515.93	1794965.52	427077.29	39°40'15.2953"N	80°06'59.3911"W	11307.36	324.812	3.38	-2.49	-2.26
20176.00	91.390	326.510	8380.44	5830.44	11387.96	9319.50	6567.86	1794913.60	427155.63	39°40'16.0661"N	80°07'0.0620"W	11401.31	324.826	3.09	3.09	0.10
20271.00	91.510	327.210	8378.03	5828.03	11482.92	9399.02	6619.77	1794861.68	427235.15	39°40'16.8484"N	80°07'0.7329"W	11496.22	324.843	0.75	0.13	0.74
20365.00	90.800	327.040	8376.14	5826.14	11576.90	9477.95	6670.79	1794810.67	427314.07	39°40'17.6250"N	80°07'1.3922"W	11590.12	324.861	0.78	-0.76	-0.18
20460.00	90.520	326.800	8375.05	5825.05	11671.88	9557.55	6722.64	1794758.83	427393.66	39°40'18.4081"N	80°07'2.0623"W	11685.06	324.878	0.39	-0.29	-0.25
20555.00	91.480	326.860	8373.39	5823.39	11766.86	9637.06	6774.60	1794706.86	427473.17	39°40'19.1903"N	80°07'2.7338"W	11779.99	324.894	1.01	1.01	0.06
20649.00	92.030	327.090	8370.51	5820.51	11860.81	9715.83	6825.81	1794655.66	427551.94	39°40'19.9653"N	80°07'3.3956"W	11873.88	324.910	0.63	0.59	0.24
20744.00	91.570	326.880	8367.52	5817.52	11955.76	9795.45	6877.55	1794603.92	427631.55	39°40'20.7487"N	80°07'4.0642"W	11968.77	324.927	0.53	-0.48	-0.22
20838.00	92.620	327.060	8364.09	5814.09	12049.69	9874.21	6928.75	1794552.73	427710.30	39°40'21.5235"N	80°07'4.7259"W	12062.65	324.943	1.13	1.12	0.19
20933.00	93.260	326.800	8359.22	5809.22	12144.55	9953.71	6980.52	1794500.96	427789.80	39°40'22.3057"N	80°07'5.3950"W	12157.47	324.958	0.73	0.67	-0.27
21027.00	93.390	326.550	8353.76	5803.76	12238.38	10032.12	7032.07	1794449.41	427868.21	39°40'23.0771"N	80°07'6.0612"W	12251.27	324.971	0.30	0.14	-0.27
21122.00	92.490	327.250	8348.89	5798.89	12333.25	10111.60	7083.88	1794397.60	427947.68	39°40'23.8590"N	80°07'6.7308"W	12346.09	324.986	1.20	-0.99	0.74
21216.00	92.430	326.740	8344.86	5794.86	12427.16	10190.36	7135.04	1794346.45	428026.43	39°40'24.6339"N	80°07'7.3919"W	12439.94	325.001	0.55	-0.06	-0.54
21311.00	92.590	327.060	8340.70	5790.70	12522.06	10269.86	7186.87	1794294.62	428105.94	39°40'25.4161"N	80°07'8.0618"W	12534.80	325.016	0.38	0.17	0.34
21406.00	92.590	326.700	8336.40	5786.40	12616.96	10349.35	7238.72	1794242.77	428185.41	39°40'26.1981"N	80°07'8.7319"W	12629.65	325.030	0.38	0.00	-0.38
21500.00	92.770	327.070	8332.01	5782.01	12710.85	10427.99	7290.02	1794191.47	428264.06	39°40'26.9718"N	80°07'9.3949"W	12723.50	325.043	0.44	0.19	0.39
21595.00	92.740	327.030	8327.44	5777.44	12805.73	10507.62	7341.63	1794139.87	428343.68	39°40'27.7552"N	80°07'10.0620"W	12818.33	325.058	0.05	-0.03	-0.04
21689.00	93.020	326.790	8322.72	5772.72	12899.61	10586.28	7392.89	1794088.61	428422.33	39°40'28.5290"N	80°07'10.7244"W	12912.17	325.072	0.39	0.30	-0.26
21784.00	92.620	326.650	8318.04	5768.04	12994.48	10665.60	7444.95	1794036.55	428501.65	39°40'29.3094"N	80°07'11.3973"W	13007.01	325.084	0.45	-0.42	-0.15
21879.00	92.830	326.720	8313.53	5763.53	13089.36	10744.90	7497.07	1793984.44	428580.94	39°40'30.0895"N	80°07'12.0708"W	13101.87	325.095	0.23	0.22	0.07
21973.00	92.860	326.940	8308.86	5758.86	13183.23	10823.48	7548.44	1793933.07	428659.52	39°40'30.8627"N	80°07'12.7347"W	13195.71	325.108	0.24	0.03	0.23
22068.00	90.980	325.630	8305.68	5755.68	13278.15	10902.45	7601.14	1793880.38	428738.49	39°40'31.6395"N	80°07'13.4156"W	13290.63	325.116	2.41	-1.98	-1.38

09/19/2025



Actual Wellpath Report

Dolls Run 1H AWP Proj: 25281'

Page 10 of 13

25 of 31



REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Well	Dolls Run 1H
Field	Monongalia	API/Legal	
Facility	Dolls Run Pad	Wellbore	Dolls Run 1H AWB
Slot	Slot #1H		

WELLPATH DATA (275 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [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]
22163.00	88.920	326.640	8305.76	6755.76	13373.11	10981.33	7654.07	1793827.45	428817.36	39°40'32.4154"N	80°07'14.0995"W	13385.61	325.123	2.42	-2.17	1.06
22257.00	91.020	327.020	8305.81	6755.81	13467.10	11060.01	7705.50	1793776.02	428896.03	39°40'33.1895"N	80°07'14.7642"W	13479.56	325.135	2.27	2.23	0.40
22352.00	90.280	326.600	8304.73	6754.73	13562.08	11139.51	7757.50	1793724.03	428975.53	39°40'33.9715"N	80°07'15.4362"W	13574.51	325.147	0.90	-0.78	-0.44
22447.00	90.550	327.800	8304.05	6754.05	13657.08	11219.36	7808.96	1793672.57	429055.37	39°40'34.7572"N	80°07'16.1014"W	13669.45	325.161	1.29	0.26	1.26
22542.00	90.430	327.790	8303.23	6753.23	13752.07	11299.74	7859.59	1793621.94	429135.75	39°40'35.5481"N	80°07'16.7560"W	13764.35	325.179	0.13	-0.13	-0.01
22637.00	91.110	327.690	8301.96	6751.96	13847.06	11380.07	7910.29	1793571.24	429216.07	39°40'36.3384"N	80°07'17.4116"W	13859.24	325.197	0.72	0.72	-0.11
22732.00	91.450	327.780	8299.83	6749.83	13942.04	11460.37	7961.01	1793520.53	429296.37	39°40'37.1286"N	80°07'18.0673"W	13954.13	325.214	0.37	0.36	0.07
22826.00	91.170	327.590	8297.69	6747.69	14036.01	11539.78	8011.26	1793470.28	429375.77	39°40'37.9099"N	80°07'18.7170"W	14048.02	325.230	0.35	-0.30	-0.18
22921.00	91.690	328.080	8295.32	6745.32	14130.98	11620.17	8061.81	1793419.73	429456.16	39°40'38.7010"N	80°07'19.3707"W	14142.89	325.248	0.75	0.55	0.52
23016.00	90.220	327.810	8293.73	6743.73	14225.97	11700.68	8112.23	1793369.32	429536.66	39°40'39.4931"N	80°07'20.0226"W	14237.77	325.266	1.57	-1.55	-0.28
23111.00	90.310	327.850	8293.29	6743.29	14320.96	11781.09	8162.81	1793318.74	429617.07	39°40'40.2843"N	80°07'20.6766"W	14332.67	325.283	0.10	0.09	0.04
23206.00	90.280	327.750	8292.80	6742.80	14415.96	11861.48	8213.43	1793268.12	429697.45	39°40'41.0753"N	80°07'21.3312"W	14427.58	325.300	0.11	-0.03	-0.11
23301.00	90.400	327.970	8292.24	6742.24	14510.96	11941.92	8263.97	1793217.59	429777.89	39°40'41.8668"N	80°07'21.9847"W	14522.48	325.316	0.26	0.13	0.23
23395.00	90.580	328.010	8291.44	6741.44	14604.95	12021.62	8313.79	1793167.77	429857.59	39°40'42.6511"N	80°07'22.6290"W	14616.38	325.333	0.20	0.19	0.04
23490.00	90.920	327.760	8290.19	6740.19	14699.94	12102.08	8364.29	1793117.27	429938.04	39°40'43.4427"N	80°07'23.2820"W	14711.28	325.350	0.44	0.36	-0.26
23585.00	90.950	327.980	8288.64	6738.64	14794.93	12182.52	8414.81	1793066.76	430018.47	39°40'44.2342"N	80°07'23.9352"W	14806.17	325.366	0.23	0.03	0.23
23679.00	90.220	327.690	8287.68	6737.68	14888.92	12262.09	8464.85	1793016.72	430098.04	39°40'45.0171"N	80°07'24.5822"W	14900.08	325.382	0.84	-0.78	-0.31
23774.00	90.250	327.690	8287.29	6737.29	14983.92	12342.38	8515.62	1792965.95	430178.32	39°40'45.8071"N	80°07'25.2388"W	14995.00	325.396	0.03	0.03	0.00
23868.00	90.150	327.820	8286.96	6736.96	15077.92	12421.88	8565.78	1792915.80	430257.82	39°40'46.5894"N	80°07'25.8873"W	15088.92	325.411	0.17	-0.11	0.14
23962.00	90.340	327.830	8286.56	6736.56	15171.92	12501.44	8615.83	1792865.74	430337.38	39°40'47.3723"N	80°07'26.5346"W	15182.84	325.426	0.20	0.20	0.01
24057.00	90.430	327.960	8285.92	6735.92	15266.92	12581.91	8666.32	1792815.26	430417.84	39°40'48.1640"N	80°07'27.1874"W	15277.75	325.441	0.17	0.09	0.14
24152.00	90.490	327.930	8285.16	6735.16	15361.91	12662.43	8716.74	1792764.84	430498.35	39°40'48.9563"N	80°07'27.8394"W	15372.66	325.457	0.07	0.06	-0.03
24247.00	90.550	327.880	8284.30	6734.30	15456.91	12742.90	8767.21	1792714.37	430578.82	39°40'49.7481"N	80°07'28.4921"W	15467.57	325.472	0.08	0.06	-0.05
24341.00	89.780	327.670	8284.03	6734.03	15550.90	12822.42	8817.34	1792664.25	430658.34	39°40'50.5305"N	80°07'29.1403"W	15561.49	325.486	0.85	-0.82	-0.22
24436.00	89.970	327.970	8284.24	6734.24	15645.90	12902.83	8867.93	1792613.66	430738.74	39°40'51.3217"N	80°07'29.7946"W	15656.41	325.500	0.37	0.20	0.32
24530.00	90.340	327.860	8283.98	6733.98	15739.90	12982.47	8917.86	1792563.73	430818.38	39°40'52.1053"N	80°07'30.4403"W	15750.33	325.514	0.41	0.39	-0.12
24625.00	91.170	328.100	8282.73	6732.73	15834.89	13063.01	8968.23	1792513.37	430898.91	39°40'52.8978"N	80°07'31.0916"W	15845.23	325.529	0.91	0.87	0.25
24720.00	90.150	327.450	8281.64	6731.64	15929.88	13143.37	9018.88	1792462.72	430979.26	39°40'53.6885"N	80°07'31.7466"W	15940.15	325.542	1.27	-1.07	-0.68
24815.00	90.520	327.990	8281.08	6731.08	16024.88	13223.68	9069.62	1792411.99	431059.58	39°40'54.4787"N	80°07'32.4027"W	16035.08	325.555	0.69	0.39	0.57
24909.00	89.910	327.530	8280.73	6730.73	16118.88	13303.19	9119.76	1792361.85	431139.08	39°40'55.2610"N	80°07'33.0511"W	16129.01	325.568	0.81	-0.65	-0.49

09/19/2025



Actual Wellpath Report

Dolls Run 1H AWP Proj: 25281'

Page 11 of 13

200631



REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Well	Dolls Run 1H
Field	Monongalia	API/Legal	
Facility	Dolls Run Pad	Wellbore	Dolls Run 1H AWB
Slot	Slot #1H		

WELLPATH DATA (275 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [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]
25004.00	88.860	328.070	8281.75	6731.75	16213.87	13383.57	9170.38	1792311.23	431219.45	39°40'56.0519"N	80°07'33.7057"W	16223.93	325.581	1.24	-1.11	0.57
25099.00	88.980	328.120	8283.54	6733.54	16308.85	13464.21	9220.58	1792261.03	431300.08	39°40'56.8453"N	80°07'34.3550"W	16318.82	325.596	0.14	0.13	0.05
25193.00	88.770	327.840	8285.38	6735.38	16402.83	13543.89	9270.41	1792211.21	431379.76	39°40'57.6294"N	80°07'34.9994"W	16412.72	325.609	0.37	-0.22	-0.30
25256.00	88.400	327.730	8286.94	6736.94	16465.81	13597.17	9303.99	1792177.63	431433.04	39°40'58.1536"N	80°07'35.4336"W	16475.66	325.618	0.61	-0.59	-0.17
25281.00‡	88.400	327.730	8287.64	6737.64	16490.80	13618.31	9317.33	1792164.29	431454.17	39°40'58.3615"N	80°07'35.6062"W	16500.63	325.621	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: Dolls Run 1H AWB Ref Wellpath: Dolls Run 1H AWP Proj: 25281'

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	28.00	977.00	949.00	28.00	976.79	0.00	0.00	-8.49	16.15
13.375in Casing Surface	28.00	947.00	919.00	28.00	946.80	0.00	0.00	-7.75	15.78
12.25in Open Hole	977.00	2418.00	1441.00	976.79	2416.76	-8.49	16.15	-17.66	3.36
9.625in Casing Intermediate	28.00	2388.00	2360.00	28.00	2386.82	0.00	0.00	-15.70	3.70
8.75in Open Hole	2418.00	7351.00	4933.00	2416.76	7260.48	-17.66	3.36	-907.33	0.63
8.5in Open Hole	7351.00	25281.00	17930.00	7260.48	8287.64	-907.33	0.63	13618.31	-9317.33
5.5in Casing Production	28.00	25251.00	25223.00	28.00	8286.80	0.00	0.00	13592.95	-9301.32

09/19/2025



Actual Wellpath Report

Dolls Run 1H AWP Proj: 25281'

Page 12 of 13

21 of 31



REFERENCE WELLPATH IDENTIFICATION			
Operator	NORTHEAST NATURAL ENERGY, LLC	Well	Dolls Run 1H
Field	Monongalia	API/Legal	
Facility	Dolls Run Pad	Wellbore	Dolls Run 1H AWB
Slot	Slot #1H		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Dolls Run 1H BHL Rev-3	8175.00	13622.34	-9311.99	1792169.63	431458.21	39°40'58.4018"N	80°07'35.5382"W	point
Dolls Run 1H LP Rev-4	8175.00	-418.64	-400.89	1801080.19	417418.09	39°38'40.2380"N	80°05'40.3733"W	point
Dolls Run Hardline#1_5.17.2023	9028.00	-269.51	-3126.14	1798355.10	417567.21	39°38'41.5321"N	80°06'15.2239"W	polygon
2D Polygon: dimensions not calculated								

WELLPATH COMPOSITION - Ref Wellbore: Dolls Run 1H AWB Ref Wellpath: Dolls Run 1H AWP Proj: 25281'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	750.00	BH Generic gyro - northseeking (Standard)	01 17.5" Javins Gyro <Northseeking-Standard> (50' - 750')	Dolls Run 1H AWB	7/26/2023
750.00	2357.00	OWSG MWD rev2 + HRGM	02 12.25" Javins MWD <OWSG MWD Rev.2+HRGM> (750')(1034' - 2357')	Dolls Run 1H AWB	7/26/2023
2357.00	7191.00	OWSG MWD rev2 + HRGM	03 8.75" Javins MWD <OWSG MWD Rev.2+HRGM> (2357')(2441' - 7191')	Dolls Run 1H AWB	7/26/2023
7191.00	25281.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04 8.5" BH ATK Curve <HRGM+Short Spacing> (7191')(7221' - 25256')	Dolls Run 1H AWB	7/26/2023

09/19/2025



Actual Wellpath Report

Dolls Run 1H AWP Proj: 25281'

Page 13 of 13

28 of 31



REFERENCE WELLPATH IDENTIFICATION

Operator	NORTHEAST NATURAL ENERGY, LLC	Well	Dolls Run 1H
Field	Monongalia	API/Legal	
Facility	Dolls Run Pad	Wellbore	Dolls Run 1H AWB
Slot	Slot #1H		

COMMENTS

Wellpath general comments

API: 47061019140000

BH Job #: 111882075

Rig: Patterson 277

Duration: 7/26/2023 - 8/1/2023

01_17.5" Javins Gyro <Northseeking-Standard> (50' - 750')

02_12.25" Javins MWD <OWSG MWD Rev.2+HRGM> (750')(1034' - 2357')

03_8.75" Javins MWD <OWSG MWD Rev.2+HRGM> (2357')(2441' - 7191')

04_8.5" BH ATK Curve <HRGM+Short Spacing> (7191')(7221' - 25256')

Final Survey MD @ 25256'

Projected MD at TD: 25281'

09/19/2025