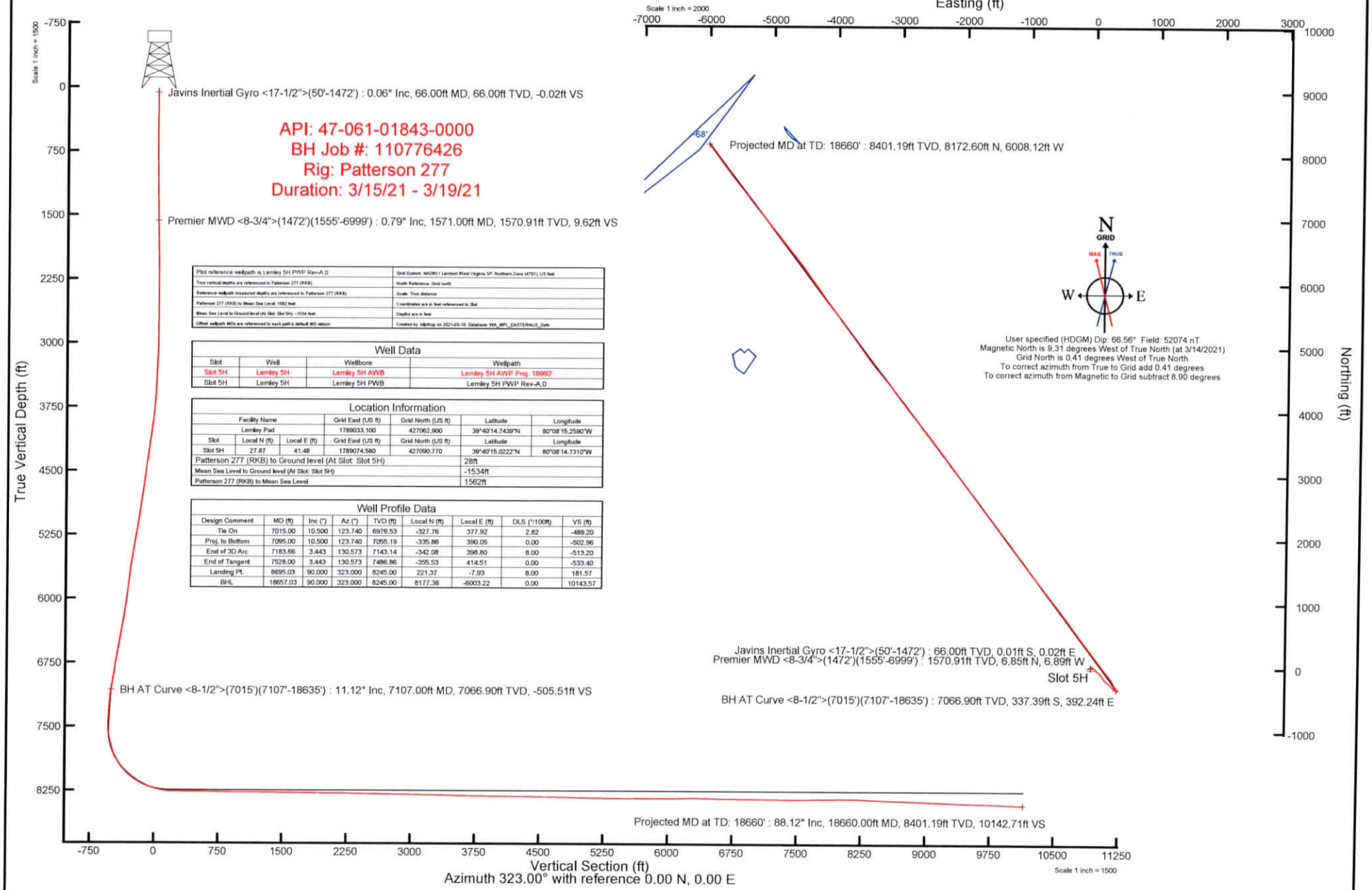
NORTHEAST NATURAL ENERGY, LLC

Location: Monongalia County, WV
Field: Monongalia
Facility: Lemley Pad

Slot: Slot 5H
Well: Lemley 5H
Wellbore: Lemley 5H PWB



Plot reference wellpath is Lemley 5H PWP Rev-A.0	Grid System: NAD83 / Lambert West Virginia SF, Northern Zone (4701), US feet
True vertical depths are referenced to Patterson 277 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to Patterson 277 (RKB)	Scale: True distance
Patterson 277 (RKB) to Mean Sea Level: 1562 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot 5H) : -1534 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: Mjulhop on 2021-03-19, Database: WA_MPI_EASTERNUS_Defn

Well Data

Slot	Well	Wellbore	Wellpath
Slot 5H	Lemley 5H	Lemley 5H AWB	Lemley 5H AWP Proj: 18660'
Slot 5H	Lemley 5H	Lemley 5H PWB	Lemley 5H PWP Rev-A.0

Location Information

Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Lemley Pad			1789033.100	427062.900	39°40'14.7439"N	80°08'15.2590"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Slot 5H	27.87	41.48	1789074.580	427090.770	39°40'15.0222"N	80°08'14.7310"W
Patterson 277 (RKB) to Ground level (At Slot: Slot 5H)					28ft	
Mean Sea Level to Ground level (At Slot: Slot 5H)					-1534ft	
Patterson 277 (RKB) to Mean Sea Level					1562ft	

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	7015.00	10.500	123.740	6976.53	-327.76	377.92	2.82	-489.20
Proj. to Bottom	7095.00	10.500	123.740	7055.19	-335.86	390.05	0.00	-502.96
End of 3D Arc	7183.66	3.443	130.573	7143.14	-342.08	398.80	8.00	-513.20
End of Tangent	7528.00	3.443	130.573	7486.86	-355.53	414.51	0.00	-533.40
Landing Pt.	8695.03	90.000	323.000	8245.00	221.37	-7.93	8.00	181.57
BHL	18657.03	90.000	323.000	8245.00	8177.38	-6003.22	0.00	10143.57