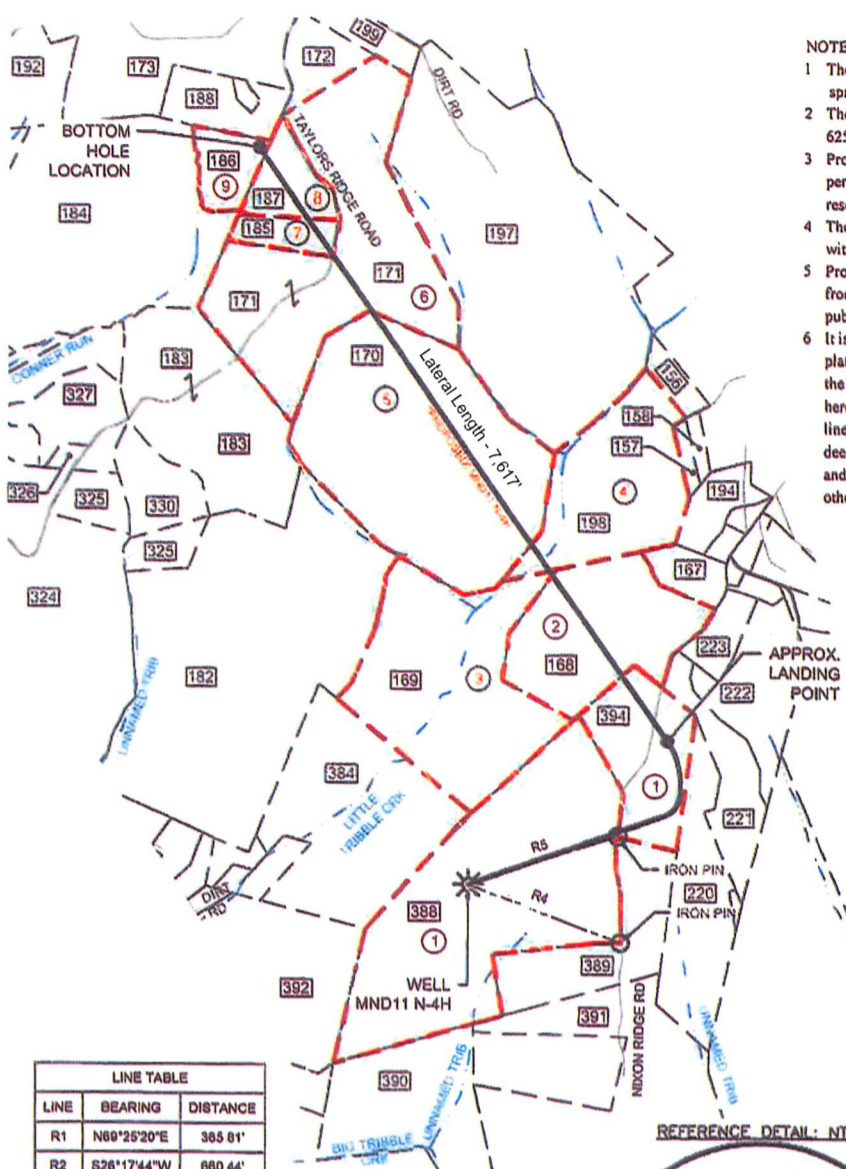


AS DRILLED PLAT

3,667' to Top Hole
 6,016' to Bottom Hole
 39° 50' 00"

80° 45' 00"
 5,898' to Top Hole

13,595' to Bottom Hole
 (Referenced to 39°52'30")



- NOTES**
- There are no water wells or developed springs within 250' of proposed well
 - There are no existing buildings within 625' of proposed well
 - Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake
 - There are no native trout streams within 300' of proposed well
 - Proposed well is greater than 1000' from surface/groundwater intake or public water supply
 - It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, and based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted

LEGEND

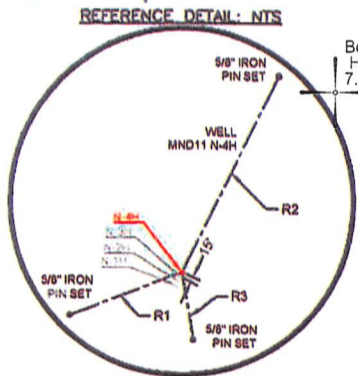
- PROPOSED WELL
- WATER SOURCE
- REFERENCE NUMBER FOR SURFACE PARCEL OWNERSHIP
- REFERENCE NUMBER FOR MINERAL OWNERSHIP
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED
- HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD
- BUFFER LINE
- EXISTING GAS WELL

LINE TABLE

LINE	BEARING	DISTANCE
R1	N69°25'20"E	365.81'
R2	S26°17'44"W	660.44'
R3	N00°36'56"W	200.04'
R4	N69°33'51"W	1693.23'
R5	S72°06'22"W	1635.10'

AS DRILLED COORDINATES

UTM 17 NAD83 (USSF)	
Surface	N 14,460,263.63 E 1,707,001.94
Landing Point	N 14,461,511 E 1,709,154
Bottom Hole	N 14,467,734 E 1,704,633
UTM 17 NAD83 (m.)	
Surface	N 4,407,497.2 E 520,295.2
Landing Point	N 4,407,877.3 E 520,951.2
Bottom Hole	N 4,409,774.2 E 519,573.2
Lat/Lon NAD83	
Surface	N 39.817216 E 80.762870
Landing Point	N 39.820625 E 80.755194
Bottom Hole	N 39.837748 E 80.771238



- NOTES ON PLAT**
- The purpose of this plat is to show coordinates for the subject well as drilled.
 - The drawing shown hereon is from the original drilling permit application plat dated 6/12/19 prepared by Adam J. Westfall, W.Va. PS #2269.
 - As drilled Landing Point, Bottom Hole Location and lateral length are calculated from gyro measurements taken while drilling the well.
 - Latitude/Longitude offset measurements are referenced to NAD 1927.



(SIGNED) *Timothy P. Roush*
 TIMOTHY P. ROUSH PS 793

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

FILE NO. _____
 SCALE: 1" = 2,000'
 MINIMUM DEGREE OF ACCURACY: Sub-Meter
 PROVEN SOURCE OF ELEVATION: DGPS Survey



WEST VIRGINIA
 Department of Environmental Protection
 Office of Oil and Gas
 601 57th Street
 Charleston, West Virginia 25301

DATE: November 11, 2022
 WELL NAME: MND11 N-4H
 API WELL NO.: 47-051-02406
 State County Permit

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,234' WATERSHED Big Tribble Creek
 DISTRICT: Franklin COUNTY: Marshall QUADRANGLE: Powhatan Point 7.5'
 SURFACE OWNER: HG Energy II, Appalachia ACREAGE: 126.6 Ac.
 OIL & GAS ROYALTY OWNER: Charles W. Miller et al. LEASE ACREAGE: 190.4 Ac. LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Show As Drilled Coordinates and Lateral Length
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION Marcellus Shale ESTIMATED DEPTH 6,409' TVD
 14,972' TMD

WELL OPERATOR: HG Energy II Appalachia, LLC. DESIGNATED AGENT: Diane White
 ADDRESS: 5260 DuPont Road ADDRESS: 5260 DuPont Road
 Parkersburg, WV 26101 Parkersburg, WV 26101

09/15/2023