

AS DRILLED PLAT

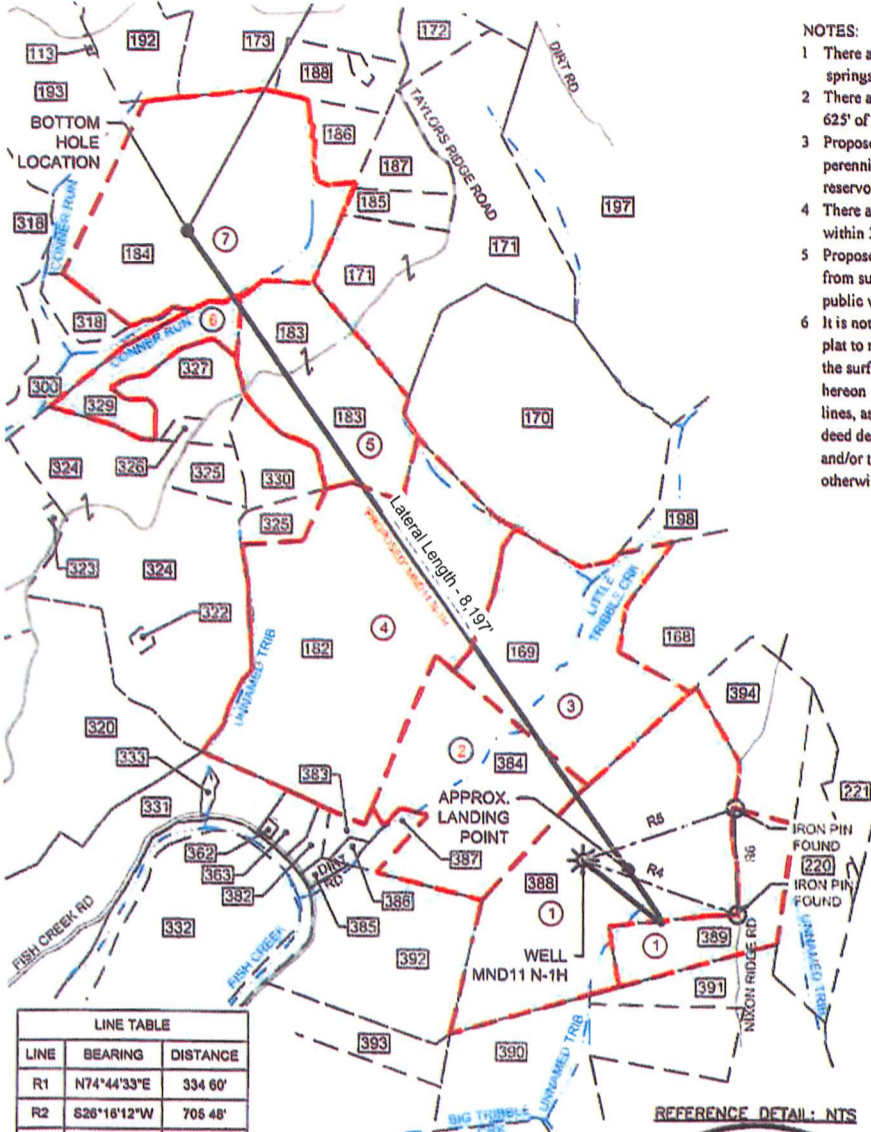
7,934' to Bottom Hole

3,686' to Top Hole

39° 50' 00"

80° 45' 00"

5,938' to Top Hole



NOTES:

- 1 There are no water wells or developed springs within 250' of proposed well
- 2 There are no existing buildings within 625' of proposed well
- 3 Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake
- 4 There are no native trout streams within 300' of proposed well
- 5 Proposed well is greater than 1000' from surface/groundwater intake or public water supply
- 6 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, are 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 WELL
	HORIZONTAL WELL
	WELL REFERENCE
	STREAM/WATERWAY
	ROAD
	BUFFER LINE
	EXISTING GAS WELL

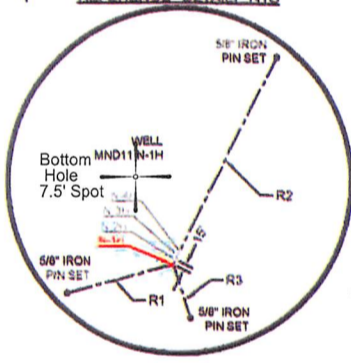
Surface 7.5' Spot

LINE TABLE		
LINE	BEARING	DISTANCE
R1	N74°44'33"E	334.60'
R2	S26°16'12"W	705.48'
R3	N18°23'50"W	171.38'
R4	N71°04'38"W	1600.11'
R5	S70°59'17"W	1666.65'
R6	N01°38'10"W	1094.04'

AS DRILLED COORDINATES	
UTM 17 NAD83 (USSF)	
Surface - N	14,460,222.96
E	1,706,983.33
Landing - N	14,459,974
Point E	1,707,563
Bottom - N	14,466,575
Hole E	1,702,718
UTM 17 NAD83 (m.)	
Surface - N	4,407,484.8
E	520,289.6
Landing - N	4,407,408.8
Point E	520,466.2
Bottom - N	4,409,420.8
Hole E	518,989.6
Lat/Lon NAD83	
Surface - N	39.817404
E	80.762937
Landing - N	39.816416
Point E	80.760875
Bottom - N	39.834578
Hole E	80.778070

GRID NORTH COORDINATE SYSTEM OF 1983 NORTH ZONE

REFERENCE DETAIL: NTS



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.

RECEIVED
Office of Oil and Gas
APR 26 2023
WV Department of Environmental Protection



(SIGNED) *[Signature]*
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 9, 2022
WELL NAME: MND11 N-1H
API WELL NO.: 47 - 051 - 02403
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 6,403' TVD 15,104' TMD

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

09/15/2023