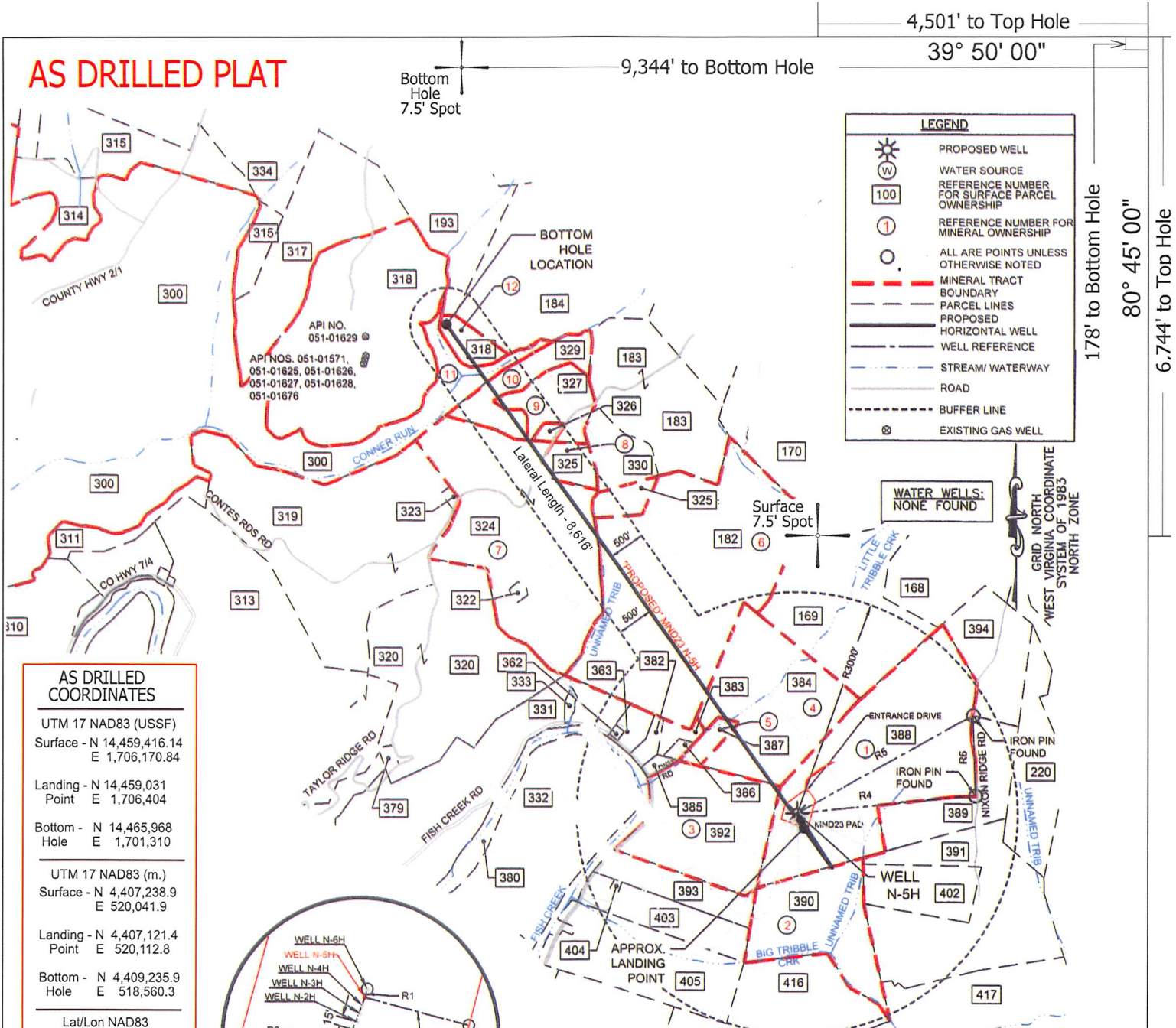


AS DRILLED PLAT



AS DRILLED COORDINATES

UTM 17 NAD83 (USSF)
 Surface - N 14,459,416.14
 E 1,706,170.84

Landing - N 14,459,031
 Point E 1,706,404

Bottom - N 14,465,968
 Hole E 1,701,310

UTM 17 NAD83 (m.)
 Surface - N 4,407,238.9
 E 520,041.9

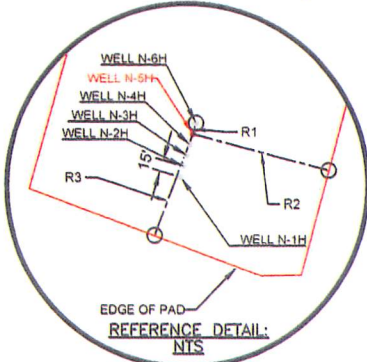
Landing - N 4,407,121.4
 Point E 520,112.8

Bottom - N 4,409,235.9
 Hole E 518,560.3

Lat/Lon NAD83
 Surface - N 39.814894
 E 80.765838

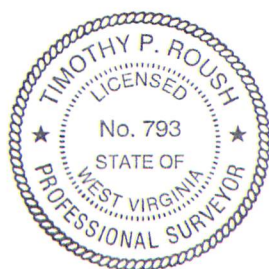
Landing - N 39.813834
 Point E 80.765013

Bottom - N 39.832921
 Hole E 80.783091



LINE TABLE

LINE	BEARING	DISTANCE
R1	S15°36'10"W	15.00'
R2	N75°02'10"W	188.57'
R3	N20°19'49"E	144.66'
R4	S84°19'41"W	2440.91'
R5	S60°54'03"W	2744.81'
R6	N01°36'10"W	1094.04'



(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.

- 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 6/4/19 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.

- DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

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: MND23 N-5H
 API WELL NO.: 47 - 051 - 02411
 State County Permit

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

LOCATION: ELEVATION 1,237' 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 6,394' TVD 15,551' 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