

AS DRILLED PLAT

6,875' to Top Hole

WELL: MND1 BHS Coordinates

11,590' to Bottom Hole

39° 52' 30"

WV SPC North (NAD 27)

SURFACE LOCATION
N - 494,203.9
E - 1,642,174.7

LANDING POINT
N - 495,218
E - 1,643,576

BOTTOM HOLE
N - 503,731
E - 1,637,590

UTM NAD 83 (mtr)

SURFACE LOCATION
N - 4,411,130.0
E - 519,307.5

BOTTOM HOLE
N - 4,414,009
E - 517,862

LAT/LONG (NAD 83)

SURFACE LOCATION
39.849970°
80.774304°

BOTTOM HOLE
39.875943°
80.791118°

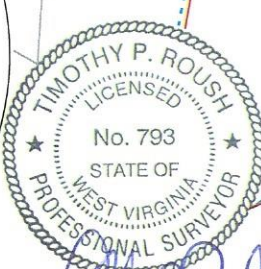
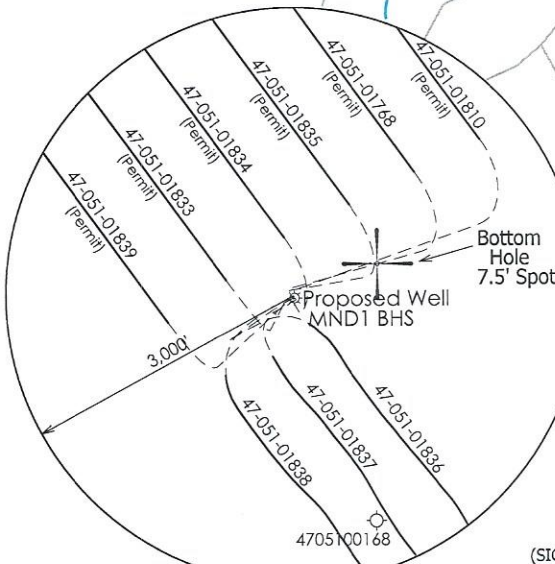
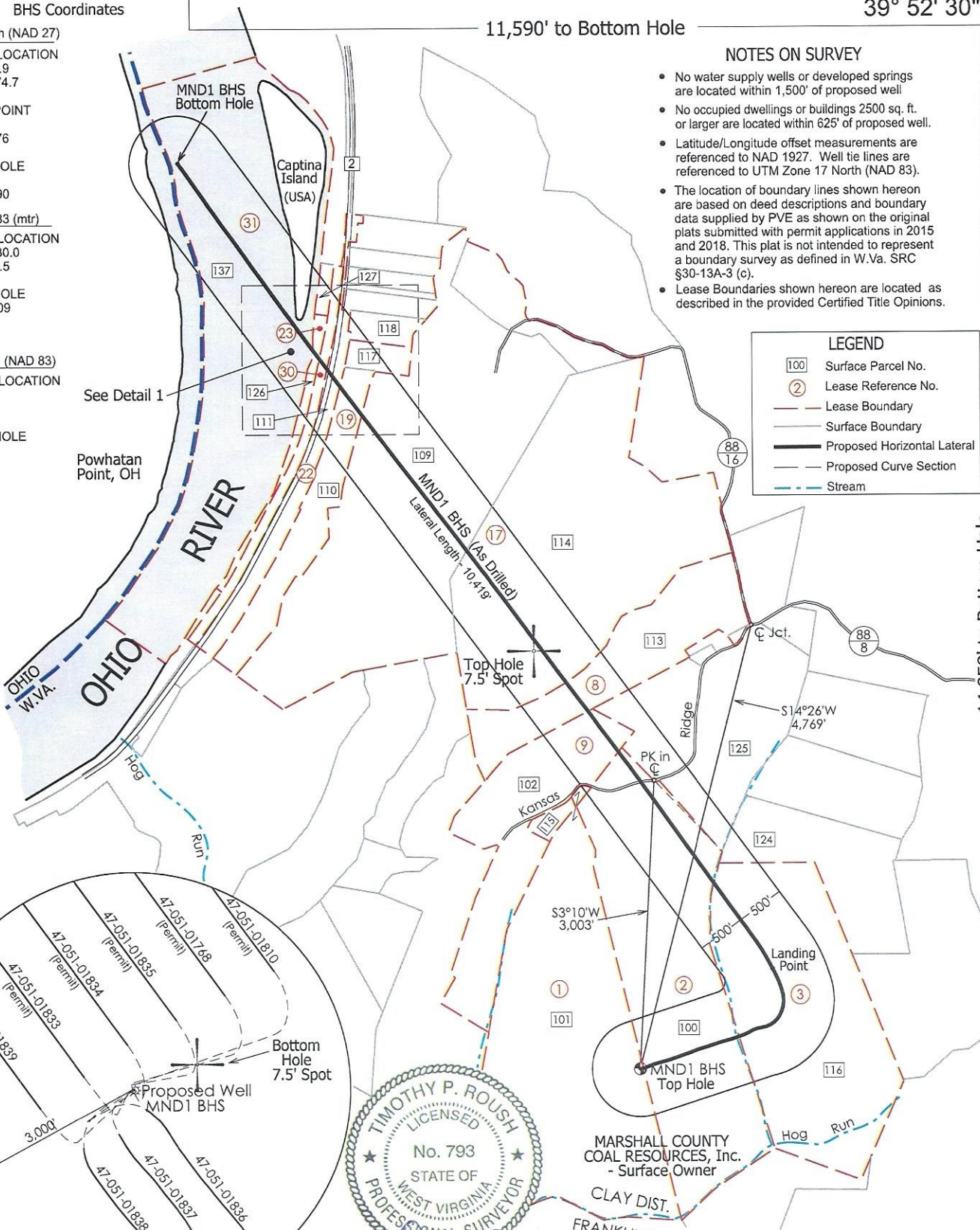
NOTES ON SURVEY

- No water supply wells or developed springs are located within 1,500' of proposed well
- No occupied dwellings or buildings 2500 sq. ft. or larger are located within 625' of proposed well.
- Latitude/Longitude offset measurements are referenced to NAD 1927. Well tie lines are referenced to UTM Zone 17 North (NAD 83).
- The location of boundary lines shown hereon are based on deed descriptions and boundary data supplied by PVE as shown on the original plats submitted with permit applications in 2015 and 2018. This plat is not intended to represent a boundary survey as defined in W.Va. SRC §30-13A-3 (c).
- Lease Boundaries shown hereon are located as described in the provided Certified Title Opinions.

LEGEND

- 100 Surface Parcel No.
- 2 Lease Reference No.
- Lease Boundary
- Surface Boundary
- Proposed Horizontal Lateral
- Proposed Curve Section
- Stream

North



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

MARSHALL COUNTY COAL RESOURCES, Inc. - Surface Owner

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.

- DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

80° 45' 00"

14,858' to Bottom Hole (Referenced to 39°55'00")

FILE NO. _____
SCALE: 1" = 1,500'
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 March 3, 2023
WELL NAME MND1 BHS
API WELL NO. 47 - 051 - 01768
State County Permit

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

LOCATION: ELEVATION 1,150' WATERSHED Hog Run - Ohio River
DISTRICT: Clay COUNTY: Marshall QUADRANGLE: Powhatan Point 7.5'
SURFACE OWNER: Marshall County Coal Resources, Inc. ACREAGE: 128.32 Ac.
OIL & GAS ROYALTY OWNER: HG Energy II Appalachia, LLC LEASE ACREAGE: 128.32 Ac. LEASE NO. _____
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___
PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As Drilled Plat
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ TARGET FORMATION Marcellus Shale ESTIMATED DEPTH 6,188' TVD
17,306' 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 PAGE 1 OF 2

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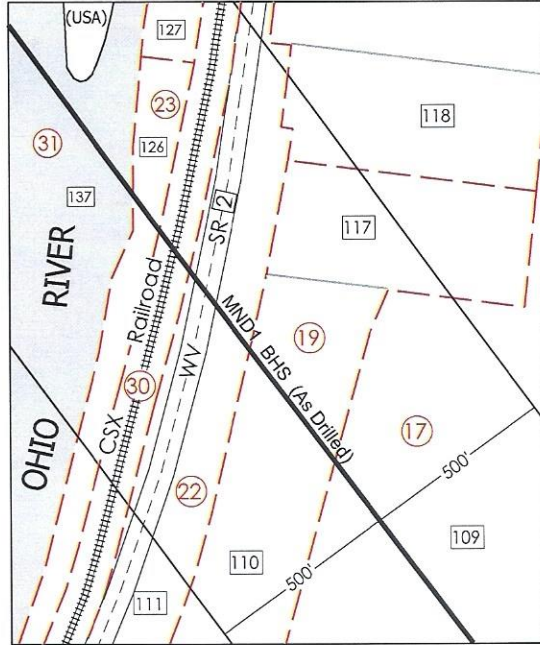
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DETAIL 1
Scale: 1"=500'

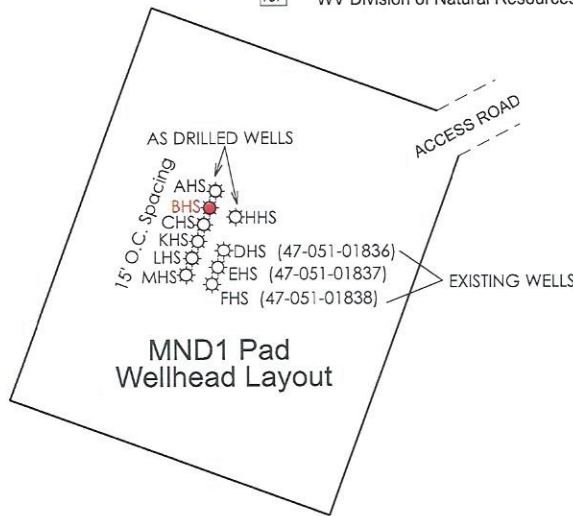
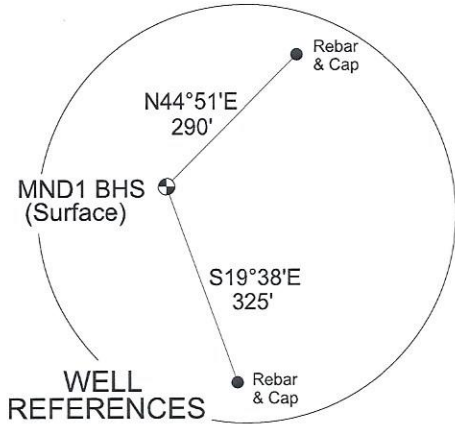
LEASE TABLE

1	HG ENERGY II APPALACHIA, LLC	TMP 04-14-10
2	HG ENERGY II APPALACHIA, LLC	TMP 04-14-09
3	HG ENERGY II APPALACHIA, LLC	TMP 04-14-08
8	MOUNTAINEER NATURAL GAS CO.	TMP 04-07-18
9	ROBERT E. TSCHAPPAT SR. et ux.	TMP 04-14-06
17	PAUL J. & JULIE D. MAIDENS	TMP 04-07-14; 07-17
19	NYLA J. BELL	TMP 04-07-15
22	NYLA J. BELL	TMP 04-07-16
23	JIM ARRITT et al.	TMP 04-07-15.9
30	CSX TRANSPORTATION, INC.	NA
31	WV DIVISION OF NATURAL RESOURCES	OHIO RIVER

SURFACE PARCEL TABLE

100	Marshall County Coal Resources, Inc.	TMP 04-14-09
101	Marshall County Coal Resources, Inc.	TMP 04-14-10
102	Robert E. Tschappat Sr. et ux.	TMP 04-14-06
109	Paul J. & Julie D. Maidens	TMP 04-07-14
110	W.Va. Department of Highways	TMP 04-07-15
111	State Road Commission	TMP 04-07-16
113	Carmella Faye & Michael Rose	TMP 04-07-18
114	Paul J. & Julie D. Maidens	TMP 04-07-17
115	Robert E. Tschappat Jr. et ux.	TMP 04-14-06.1
116	Marshall County Coal Resources, Inc.	TMP 04-14-08
117	W.Va. Department of Highways	TMP 04-07-15.3
118	W.Va. Department of Highways	TMP 04-07-15.2
124	Eugene C. & Elizabeth A. Estep	TMP 04-13-02
125	Wendell B. & Carolyn S. Rine	TMP 04-14-07
126	Jim Arritt et al.	TMP 04-07-15.09
127	Black Gold Group	TMP 04-07-15.06
137	WV Division of Natural Resources	-

North



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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 PAGE 2 OF 2