

AS DRILLED PLAT

6,870' to Top Hole

39° 52' 30"

9,804' to Bottom Hole

767' to Bottom Hole

80° 45' 00"

9,129' to Top Hole

WELL: MND1 AHS Coordinates

WV SPC North (NAD 27)

SURFACE LOCATION
N - 494,217.9
E - 1,642,179.9

LANDING POINT
N - 495,558
E - 1,644,259

BOTTOM HOLE
N - 502,622
E - 1,639,362

UTM NAD 83 (mtr)
SURFACE LOCATION
N - 4,411,134.3
E - 519,309.0

BOTTOM HOLE
N - 4,413,680
E - 518,408

LAT/LONG (NAD 83)
SURFACE LOCATION
39.850009°
80.774286°

BOTTOM HOLE
39.872968°
80.784751°

See Detail 1

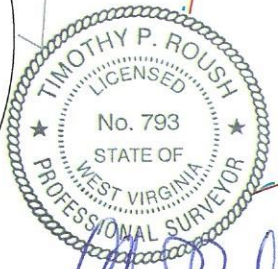
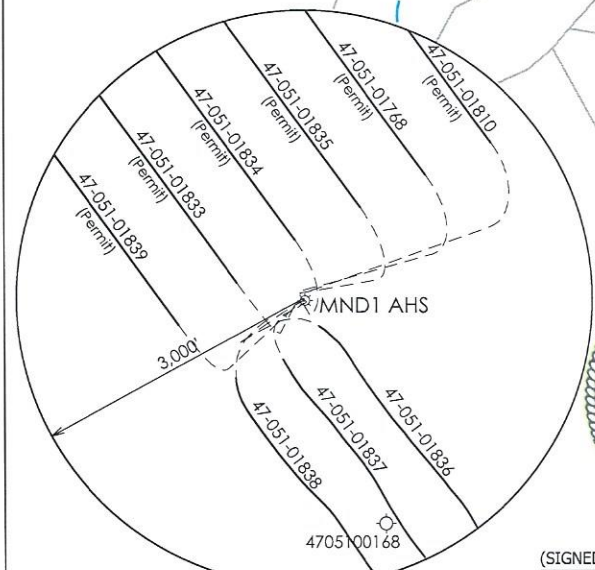
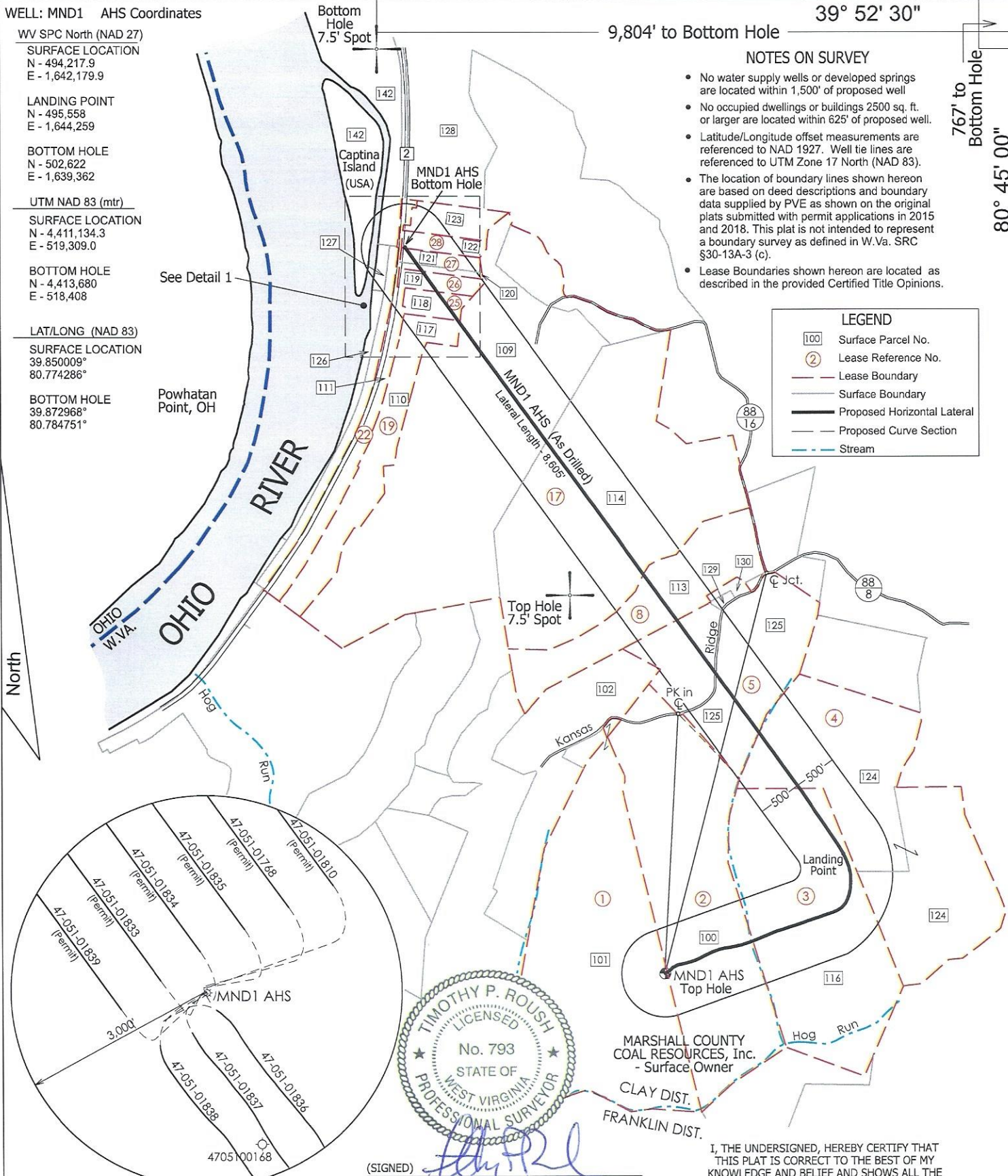
Powhatan Point, OH

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



(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.

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 AHS**
API WELL NO. **47 - 051 - 01810**
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 **6,208' TVD**
15,917' 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**

WELL: MND1 AHS Coordinates

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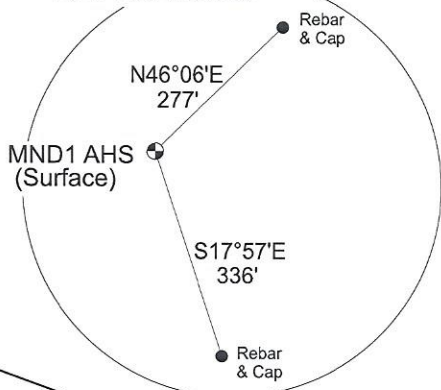
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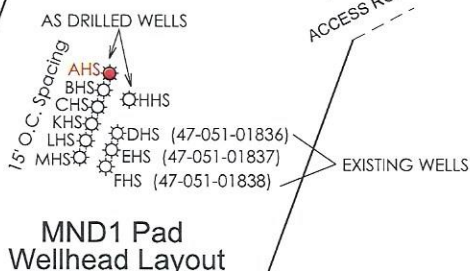
80.784751°

WELL REFERENCES



LEASE TABLE

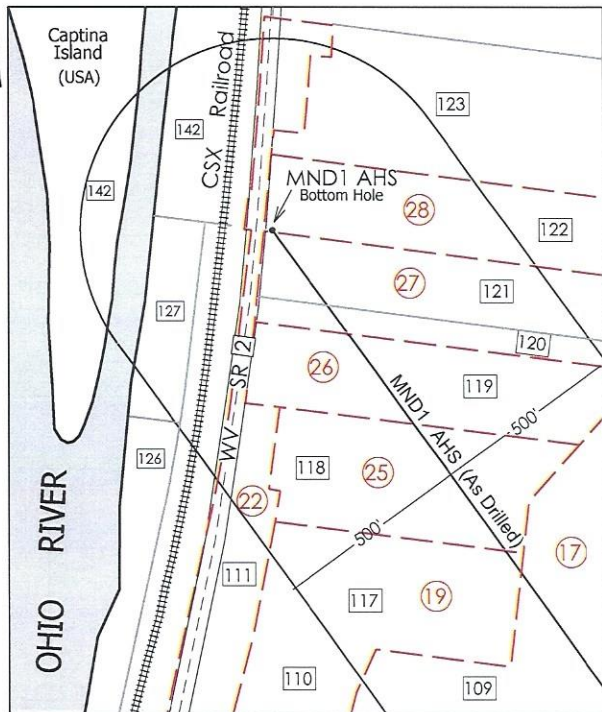
①	HG ENERGY II APPALACHIA, LLC	TMP 04-14-10
②	HG ENERGY II APPALACHIA, LLC	TMP 04-14-09
③	HG ENERGY II APPALACHIA, LLC	TMP 04-14-08
④	EUGENE C. & ELIZABETH A. ESTEP	TMP 04-13-02
⑤	WENDELL B. & CAROLYN S. RINE	TMP 04-14-07
⑧	MOUNTAINEER NATURAL GAS CO.	TMP 04-07-18
⑰	PAUL J. & JULIE D. MAIDENS	TMP 04-07-14; 07-17
⑲	NYLA J. BELL	TMP 04-07-15
⑳	NYLA J. BELL	TMP 04-07-16
㉕	RITA A. BERRY	TMP 04-07-15.02
㉖	EDWARD & LOIS PETERS	TMP 04-07-15.10
㉗	DONALD CHICHILO	TMP 04-07-15.01; 15.07
㉘	RANDOLPH BRUNNER	TMP 04-07-15.05



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
116	Marshall County Coal Resources, Inc.	TMP 04-14-08
117	W.Va. Department of Highways	TMP 04-07-15.03
118	W.Va. Department of Highways	TMP 04-07-15.02
119	W.Va. Department of Highways	TMP 04-15-10
120	W.Va. Department of Highways	TMP 04-07-15.07
121	W.Va. Department of Highways	TMP 04-07-15.01
122	W.Va. Department of Highways	TMP 04-07-15.05
123	W.Va. Department of Highways	TMP 04-07-15.08
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
128	John T. Wilson Jr.	TMP 04-06-07
129	Lloyd Rutan - Life Est.	TMP 04-07-18.01
130	Raymond Rutan	TMP 04-07-18.02
142	U.S.A.	TMP 04-06-07.1

North



DETAIL 1
Scale: 1"=500'

- DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

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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