

6,886' to Top Hole

39° 52' 30"

11,334' to Bottom Hole

80° 45' 00"  
2,498' to Bottom Hole

9,172' to Top Hole

WELL: MND1 KHS Coordinates

WV SPC North (NAD 27)

SURFACE LOCATION  
N - 494,175.9  
E - 1,642,164.1

LANDING POINT  
N - 494,593  
E - 1,642,204

BOTTOM HOLE  
N - 500,914  
E - 1,637,808

UTM NAD 83 (mtr)

SURFACE LOCATION  
N - 4,411,121.4  
E - 519,304.4

BOTTOM HOLE  
N - 4,413,152  
E - 517,943

LAT/LONG (NAD 83)

SURFACE LOCATION  
39.849893°  
80.774340°

BOTTOM HOLE  
39.868218°  
80.790199°

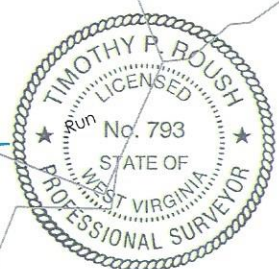
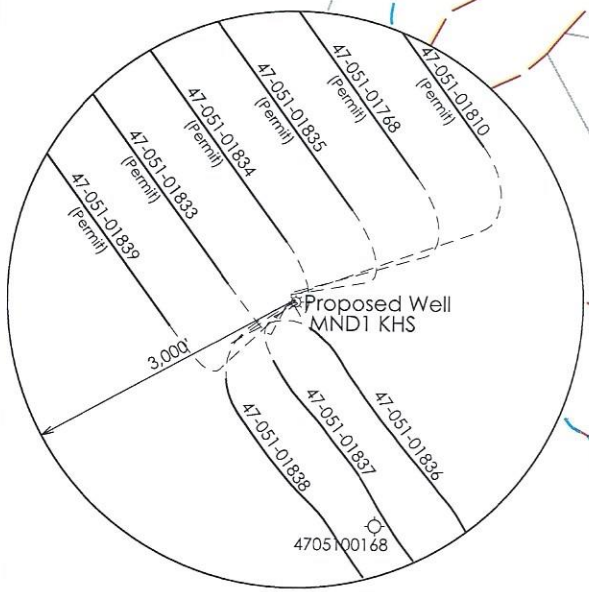
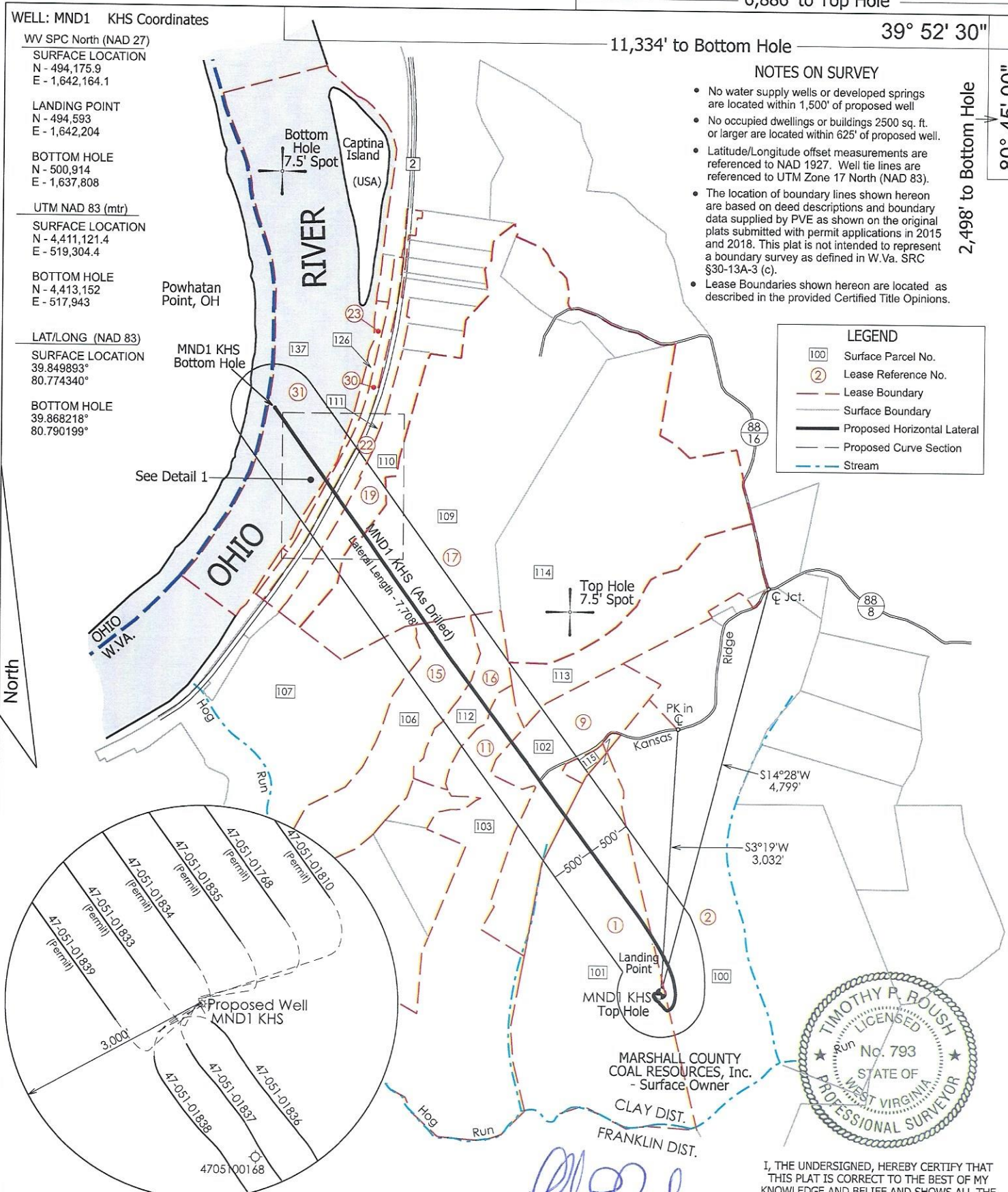
NOTES ON SURVEY

- 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) *[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.

— 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 KHS  
API WELL NO.: 47 - 051 - 01834  
State County Permit

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

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  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE  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 6,211' TVD 14,275' 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 KHS Coordinates

AS DRILLED PLAT

WV SPC North (NAD 27)

SURFACE LOCATION  
N - 494,175.9  
E - 1,642,164.1

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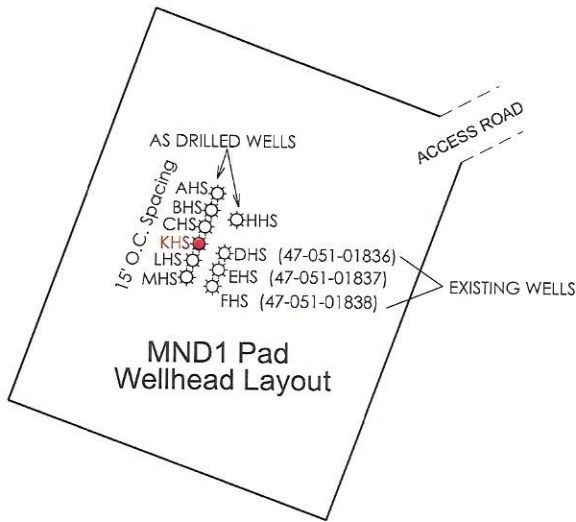
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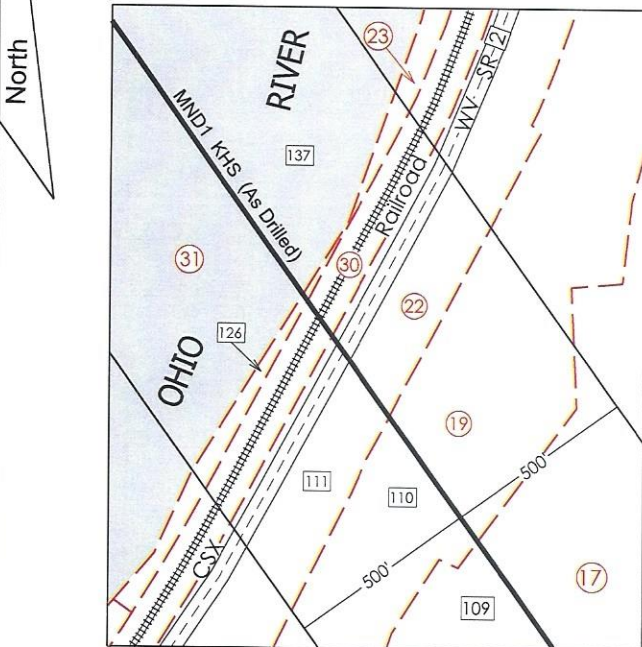


LEASE TABLE

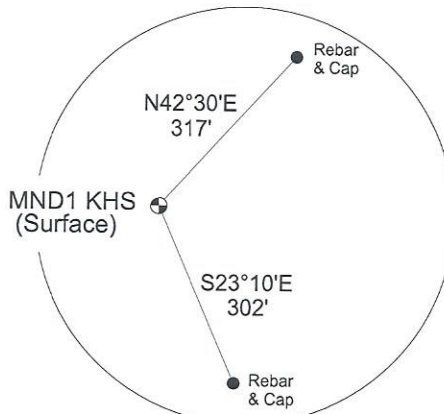
1	HG ENERGY II APPALACHIA, LLC	TMP 04-14-10
2	HG ENERGY II APPALACHIA, LLC	TMP 04-14-09
9	ROBERT E. TSCHAPPAT SR. et ux.	TMP 04-14-06
11	HG ENERGY II APPALACHIA, LLC	TMP 04-14-11
15	HG ENERGY II APPALACHIA, LLC	TMP 04-14-03
16	HG ENERGY II APPALACHIA, LLC	TMP 04-14-04
17	PAUL J. & JULIE D. MAIDENS	TMP 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
103	Marshall County Coal Resources, Inc.	TMP 04-14-11
106	Marshall County Coal Resources, Inc.	TMP 04-14-03
107	Marshall County Coal Resources, Inc.	TMP 04-14-02
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
112	Edison A. Barlow et ux.	TMP 04-14-04
113	Carmella Faye & Michael Rose	TMP 04-07-18
114	Paul J. & Julie D. Maidens	TMP 04-07-17
126	Jim Arritt et al.	TMP 04-07-15.09
137	WV Division of Natural Resources	-



DETAIL 1  
Scale: 1"=500'



WELL REFERENCES

⊕ - DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

FILE NO. \_\_\_\_\_  
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PROVEN SOURCE OF ELEVATION: **DGPS Survey**



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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 **6,211' TVD**  
**14,275' 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**