

AS DRILLED PLAT

6,854' to Top Hole

39° 52' 30"

WELL: MND1 HHS Coordinates

WV SPC North (NAD 27)

SURFACE LOCATION
N - 494,195.8
E - 1,642,196.2

LANDING POINT

N - 495,954
E - 1,644,894

BOTTOM HOLE

N - 503,040
E - 1,639,970

UTM NAD 83 (mtr)

SURFACE LOCATION
N - 4,411,127.6
E - 519,314.1

BOTTOM HOLE

N - 4,413,811
E - 518,591

LAT/LONG (NAD 83)

SURFACE LOCATION
39.849949°
80.774227°

BOTTOM HOLE

39.874140°
80.782604°

Powhatan Point, OH

OHIO RIVER

Captina Island (USA)

Bottom Hole 7.5' Spot

9,202' to Bottom Hole

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.

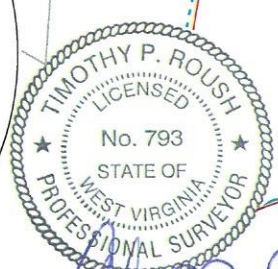
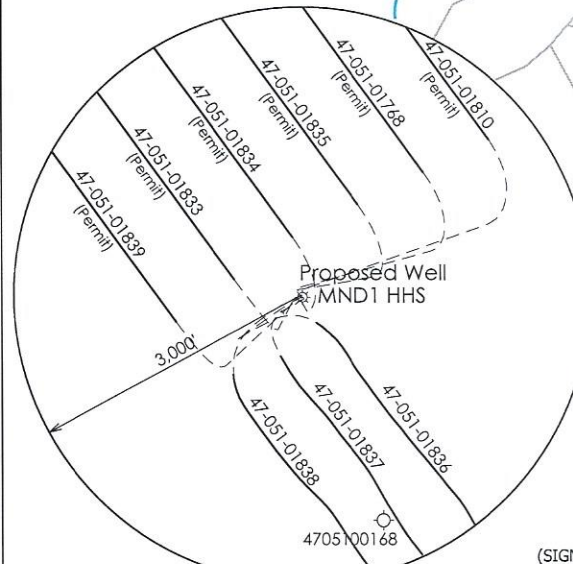
341' to Bottom Hole
80° 45' 00"

9,152' to Top Hole

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

MND1 HHS Top Hole
MARSHALL COUNTY COAL RESOURCES, Inc. - Surface Owner
CLAY DIST.
FRANKLIN DIST.

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 HHS
API WELL NO.: 47 - 051 - 02126
State County Permit

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

LOCATION: ELEVATION 1,150' WATERSHED Hog Run
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 6,220' TVD
16,362' 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 HHS Coordinates

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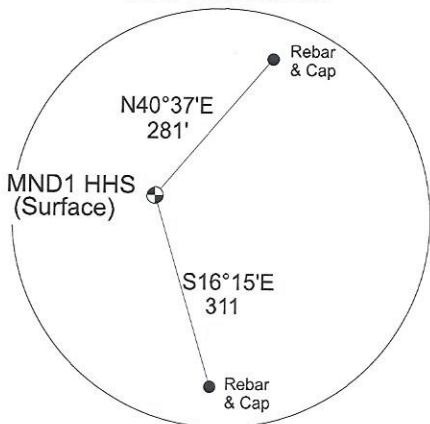
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WELL REFERENCES



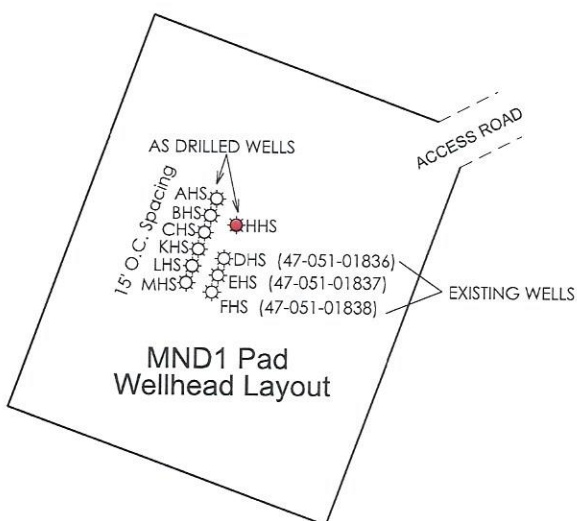
LEASE TABLE

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
7	BRENDA K. DUFFORD	TMP 04-07-18.02
8	MOUNTAINEER NATURAL GAS CO.	TMP 04-07-18
17	PAUL J. & JULIE D. MAIDENS	TMP 04-07-14; 07-17; 07-03
28	RANDOLPH BRUNNER	TMP 04-07-15.05
29	MILLARD BONNETTE, JR.	TMP 04-07-15.08

SURFACE PARCEL TABLE

100	Marshall County Coal Resources, Inc.	TMP 04-14-09
101	Marshall County Coal Resources, Inc.	TMP 04-14-10
109	W.Va. Department of Highways	TMP 04-07-15
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
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
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
131	Carmella Faye & Michael Rose	TMP 04-07-18
132	Cathy J. & Carl F. Petrucci Jr.	TMP 04-07-19
133	Eugene C. & Elizabeth A. Estep	TMP 04-13-01
134	Paul J. & Julie D. Maidens	TMP 04-07-13
135	Paul J. & Julie D. Maidens	TMP 04-07-03
136	Cathy J. & Carl F. Petrucci Jr.	TMP 04-07-03.01
142	U.S.A.	TMP 04-06-07.1
143	Shawn T. & Kelly J. Donahey	TMP 04-13-04

North



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