

WELL: MND1 HHS Coordinates

WV SPC North (NAD 27)

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

LANDING POINT

N - 495,284.2
E - 1,643,999.4

BOTTOM HOLE

N - 495,491.6
E - 1,644,341.4

UTM NAD 83 (mtr)

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

BOTTOM HOLE

N - 4,411,533.3
E - 519,961.0

LAT/LONG (NAD 83)

SURFACE LOCATION
39.849949°
80.774227°

BOTTOM HOLE

39.853599°
80.766652°

Powhatan Point, OH

OHIO RIVER

Captina Island (USA)

6,854' to Top Hole

39° 52' 30"
4,727' 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 §23-5-2 of the W.Va. Legislative Rules.
- Lease Boundaries shown hereon are located as described in the provided Certified Title Opinions.

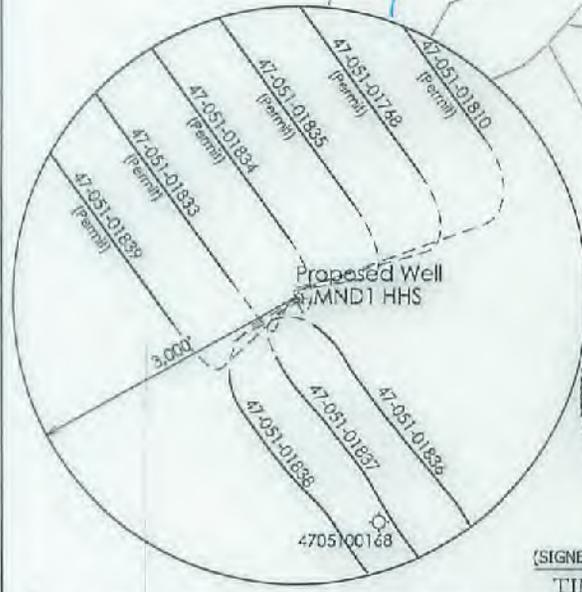
LEGEND

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

7,825" to Bottom Hole
80° 45' 00"

9,152' to Top Hole

North



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

- DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

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.

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: September 15, 2021
 WELL NAME: MND1 HHS
 API WELL NO.: 47 - 051 - 02416
 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) MOD Plat - Revised LP, TVD and TMD

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ TARGET FORMATION Marcellus Shale ESTIMATED DEPTH 6,290' TVD 7,435' 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

10/29/2021

6,854' to Top Hole

39° 52' 30"
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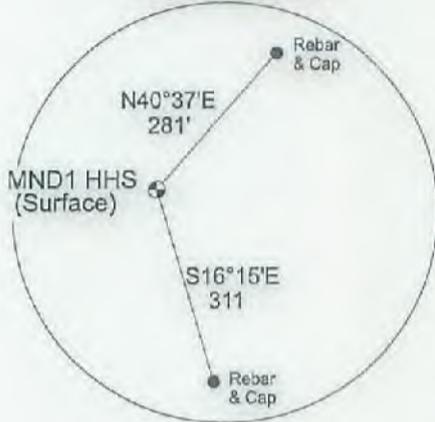
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LAT/LONG (NAD 83)

SURFACE LOCATION
39.849949°
80.774227°

BOTTOM HOLE
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80.766852°

WELL REFERENCES



LEASE TABLE

Table with 3 columns: Lease ID, Leasee Name, and Lease Date. Includes HG ENERGY II APPALACHIA, LLC leases.



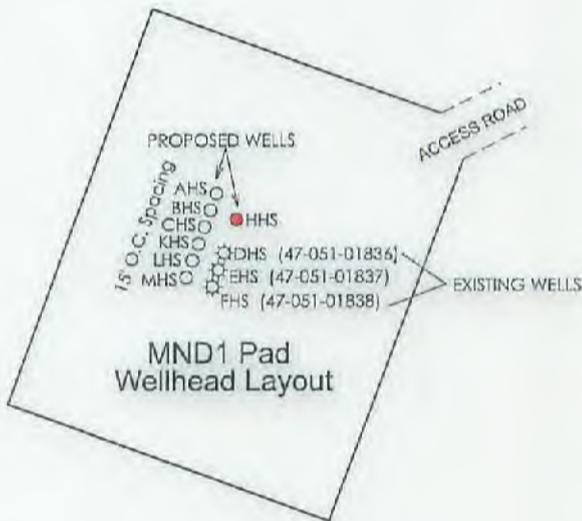
80° 45' 00"
7,825" to Bottom Hole

9,152' to Top Hole

North

SURFACE PARCEL TABLE

Table with 3 columns: Parcel ID, Parcel Owner, and Lease Date. Lists parcels owned by Marshall County Coal Resources, Inc. and Eugene C. & Elizabeth A. Estep.



(SIGNED) [Signature]
TIMOTHY P. ROUSH PS 793

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ADDRESS: 5260 DuPont Road
Parkersburg, WV 26101

DESIGNATED AGENT: Diane White
ADDRESS: 5260 DuPont Road
Parkersburg, WV 26101

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Powhatan Point, OH

Captina Island (USA)

OHIO RIVER

OHIO W.VA.

North

NOTES ON SURVEY

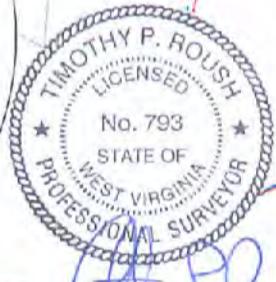
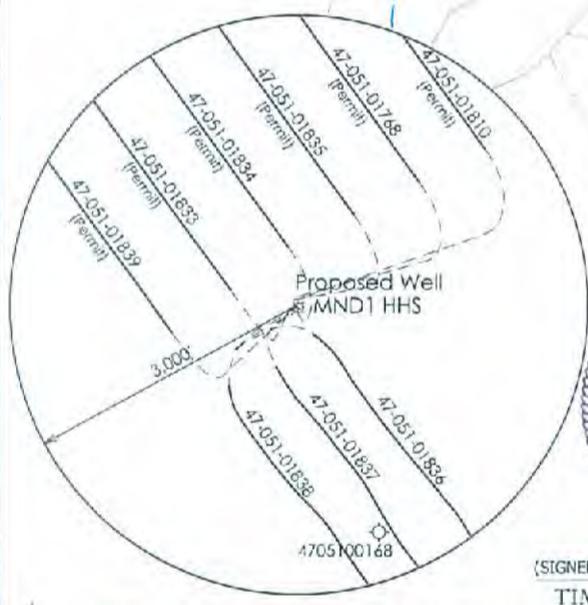
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7,825" to Bottom Hole

9,152' to Top Hole



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 601 57th Street
 Charleston, West Virginia 25301

DATE: September 15, 2021
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 API WELL NO.: 47-051-02416 HGA
 State: 47 County: 051 Permit: 02416 HGA

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 7,435' 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

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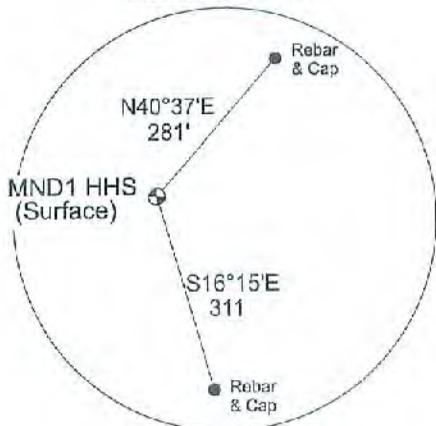
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②	HG ENERGY II APPALACHIA, LLC	TMP 04-14-09
⑮	HG ENERGY II APPALACHIA, LLC	TMP 04-14-08

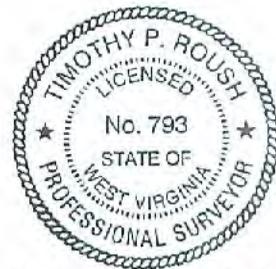
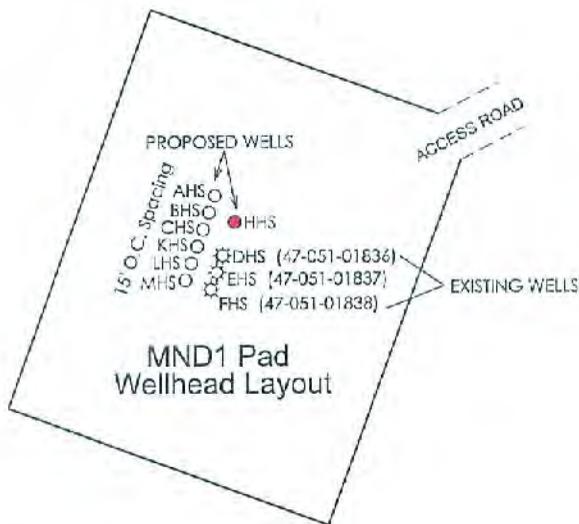


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16	Marshall County Coal Resources, Inc.	TMP 04-14-08
124	Eugene C. & Elizabeth A. Estep	TMP 04-13-02



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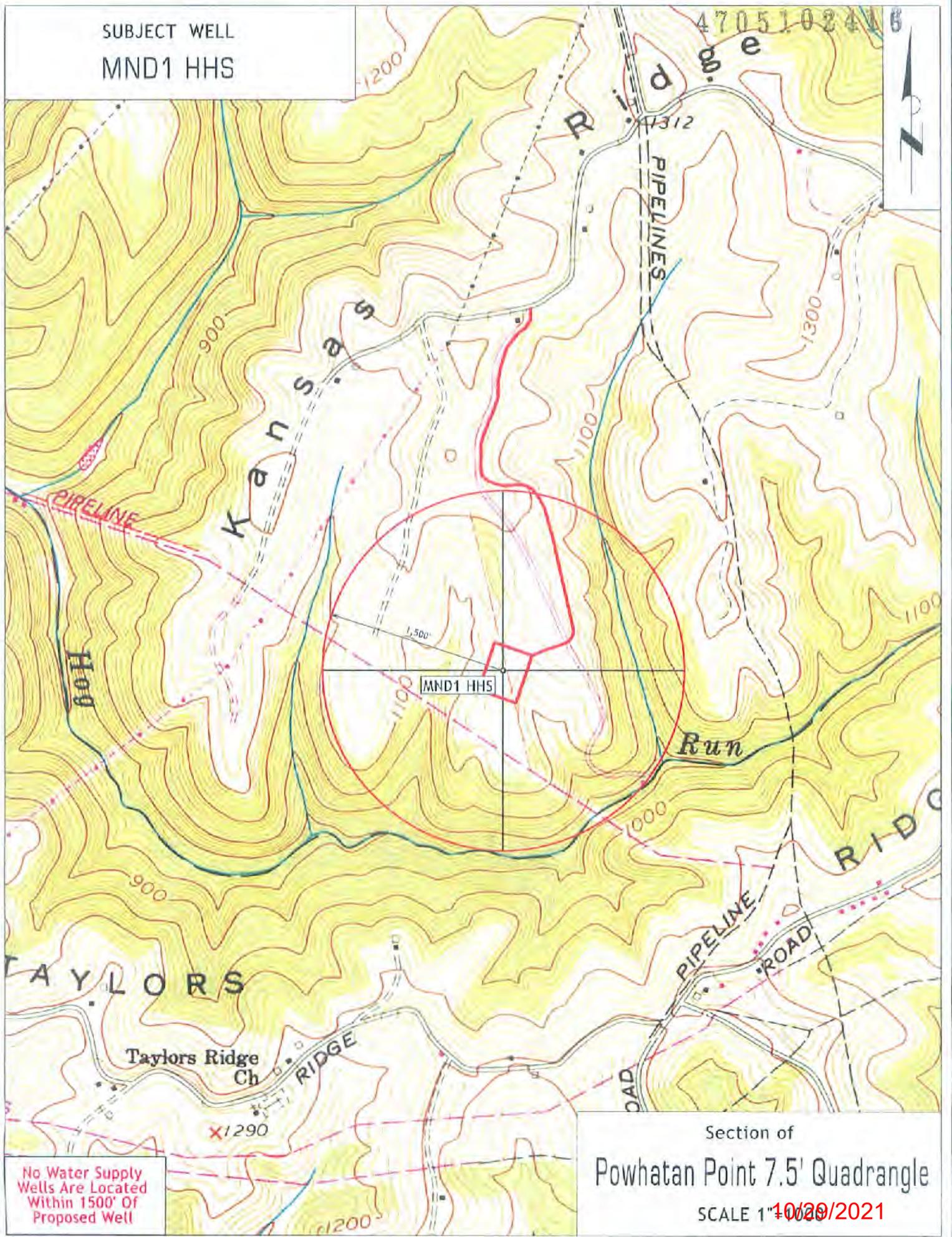
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Parkersburg, WV 26101 Parkersburg, WV 26101 PAGE 2 OF 2

SUBJECT WELL
MND1 HHS

4705102416



No Water Supply
Wells Are Located
Within 1500' Of
Proposed Well

Section of
Powhatan Point 7.5' Quadrangle

SCALE 1" = 1000'

10/20/2021