

6,880' to Top Hole

39° 52' 30"

11,260' to Bottom Hole

WELL: MND1 CHS Coordinates

WV SPC North (NAD 27)

SURFACE LOCATION
N - 494,169.9
E - 1,642,169.4

LANDING POINT
N - 495,108.2
E - 1,642,731.8

BOTTOM HOLE
N - 502,082.1
E - 1,637,898.6

UTM NAD 83 (mtr)

SURFACE LOCATION
N - 4,411,125.7
E - 519,305.9

BOTTOM HOLE
N - 4,413,508.3
E - 517,964.7

LAT/LONG (NAD 83)

SURFACE LOCATION
39.849932°
80.774322°

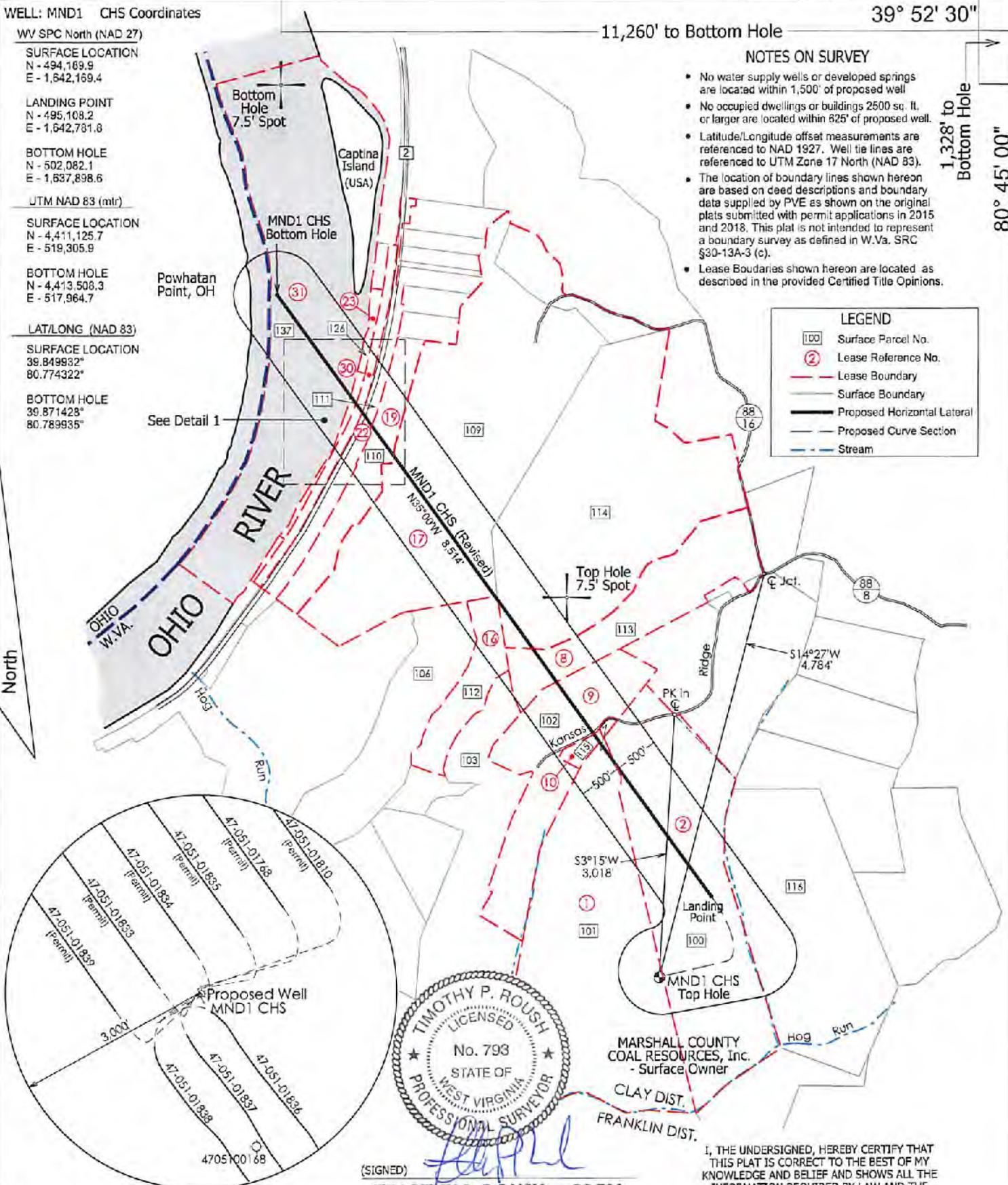
BOTTOM HOLE
39.871428°
80.789935°

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



TIMOTHY P. ROUSH
LICENSED
No. 793
STATE OF WEST VIRGINIA
PROFESSIONAL SURVEYOR

(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: October 19, 2021
WELL NAME: MND1 CHS
API WELL NO.: 47-051-01835
State: 47 County: 051 Office of Oil and Gas: 01835

OCT 29 2021

WV Department of Environmental Protection

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

11/12/2021

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 BHL and TVD
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ TARGET FORMATION Marcellus Shale ESTIMATED DEPTH 6,290' TVD 15,419' 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

WELL: MND1 CHS Coordinates

11,260' to Bottom Hole

39° 52' 30"

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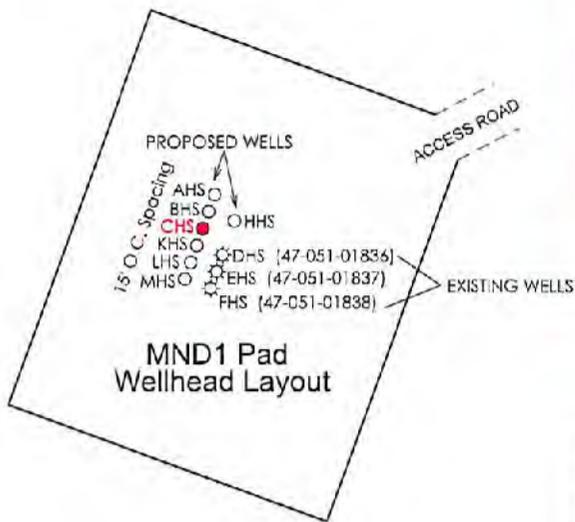
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Bottom Hole 7.5' Spot



LEASE TABLE

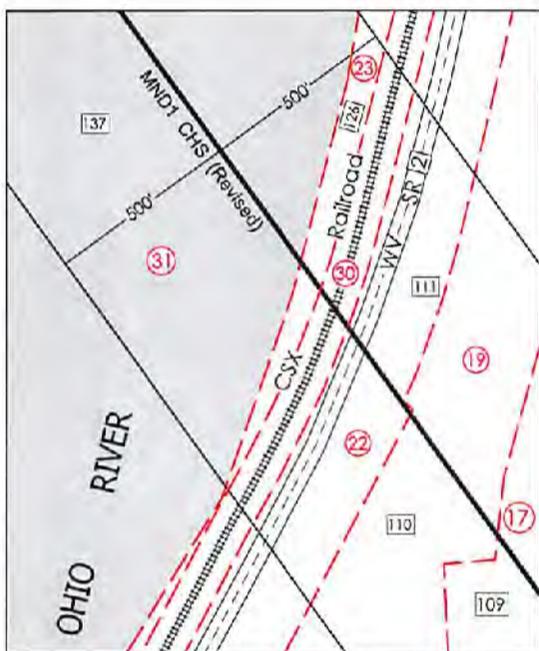
Table with 3 columns: Lease Number, Leaseholder Name, and Term. Includes leases 1 through 31 for various entities like HG Energy II Appalachia, LLC, MOUNTAINEER NATURAL GAS CO., and WV Division of Natural Resources.

1,328' to Bottom Hole
80° 45' 00"

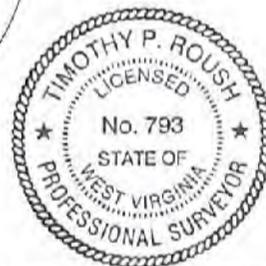
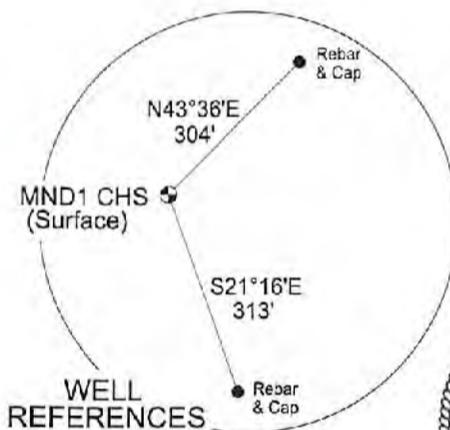
SURFACE PARCEL TABLE

Table with 3 columns: Parcel Number, Parcel Owner Name, and Term. Lists parcels 100 through 137 owned by entities like Marshall County Coal Resources, Inc., Robert E. Tschappat Sr. et ux., and WV Division of Natural Resources.

Top Hole 7.5' Spot



DETAIL 1
Scale: 1"=500'



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Department of Environmental Protection
Office of Oil and Gas
601 57th Street
Charleston, West Virginia 25301

DATE: October 19, 2021
WELL NAME: MND1 CHS
API WELL NO.: 47-051-01835
State: County RECEIVED Permit Office of Oil and Gas

OCT 29 2021

Environmental Protection

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

11/12/2021

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PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____ TARGET FORMATION Marcellus Shale ESTIMATED DEPTH 6,290' TVD 15,419' 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

6,880' to Top Hole

39° 52' 30"

11,260' to Bottom Hole

1,328' to Bottom Hole

80° 45' 00"

9,158' to Top Hole

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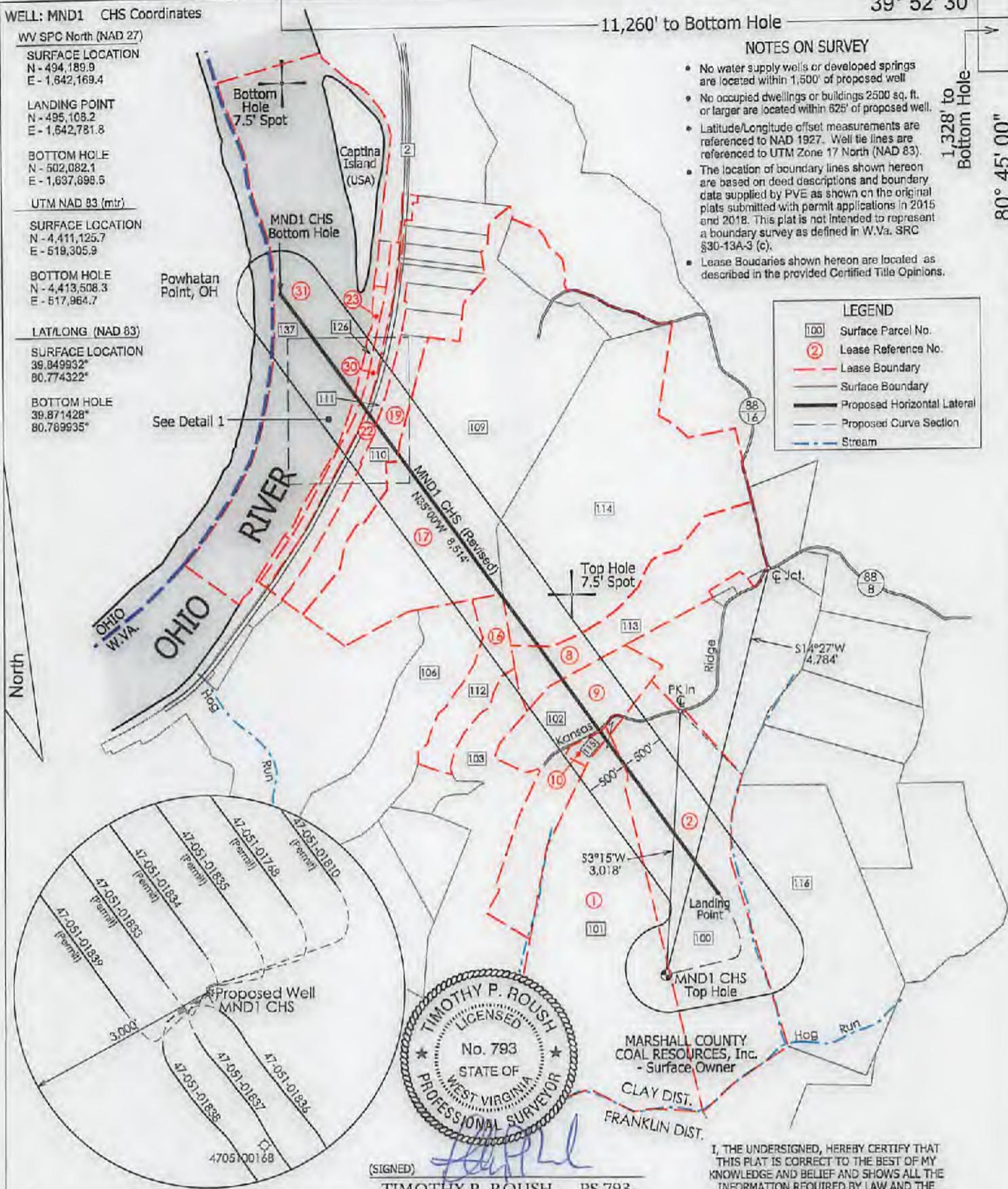
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Department of Environmental Protection
Office of Oil and Gas
601 57th Street
Charleston, West Virginia 25301

DATE: October 19, 2021
WELL NAME: MND1 CHS
API WELL NO. 47 - 051 - 01835
State County Permit

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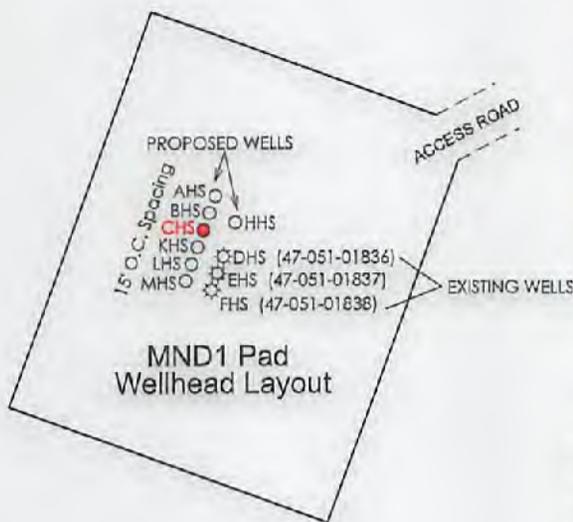
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Bottom Hole
7.5' Spot



LEASE TABLE

Table with 3 columns: Lease ID, Leaseholder Name, and Lease Term. Includes entries for HG Energy II Appalachia, LLC, Mountaineer Natural Gas Co., Robert E. Tschappat Sr. et ux., etc.

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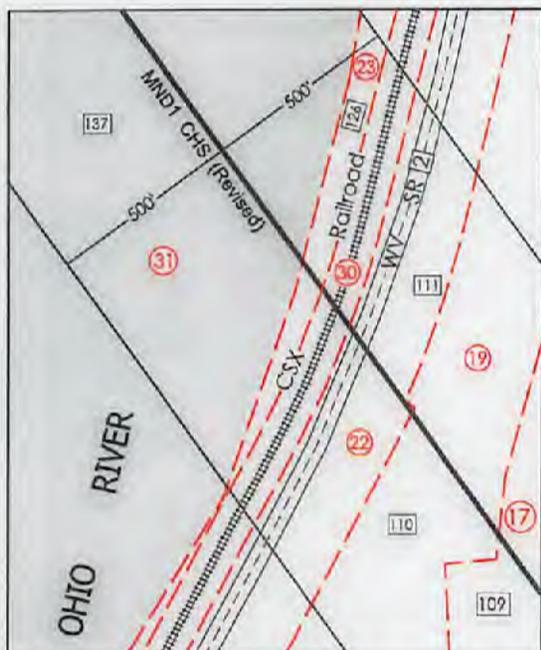
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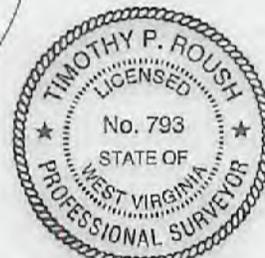
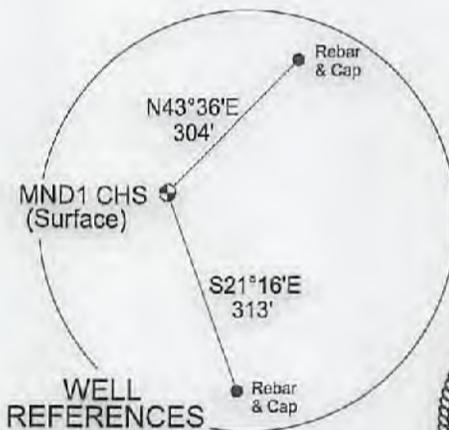
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Top Hole
7.5' Spot



DETAIL 1
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