

SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83
 N: 4411112.721
 E: 519301.332
 NAD27, WV NORTH
 N: 494147.604
 E: 1642153.576
 LAT/LON DATUM-NAD83
 LAT: 39.849815
 LON: -80.774376

APPROX. LANDING POINT

UTM 17 - NAD83
 N: 4411036.716
 E: 518910.314
 NAD27, WV NORTH
 N: 493919.660
 E: 1640866.311
 LAT/LON DATUM-NAD83
 LAT: 39.849139
 LON: -80.778949

REFERENCE DETAIL



| LINE | BEARING | DISTANCE |
|------|-------------|----------|
| R1 | S57°45'26"E | 139.27' |
| R2 | N56°30'13"E | 231.49' |
| R3 | N64°45'49"W | 221.84' |
| R4 | S68°47'13"E | 2197.31' |
| R5 | N17°04'44"W | 791.20' |

LEGEND

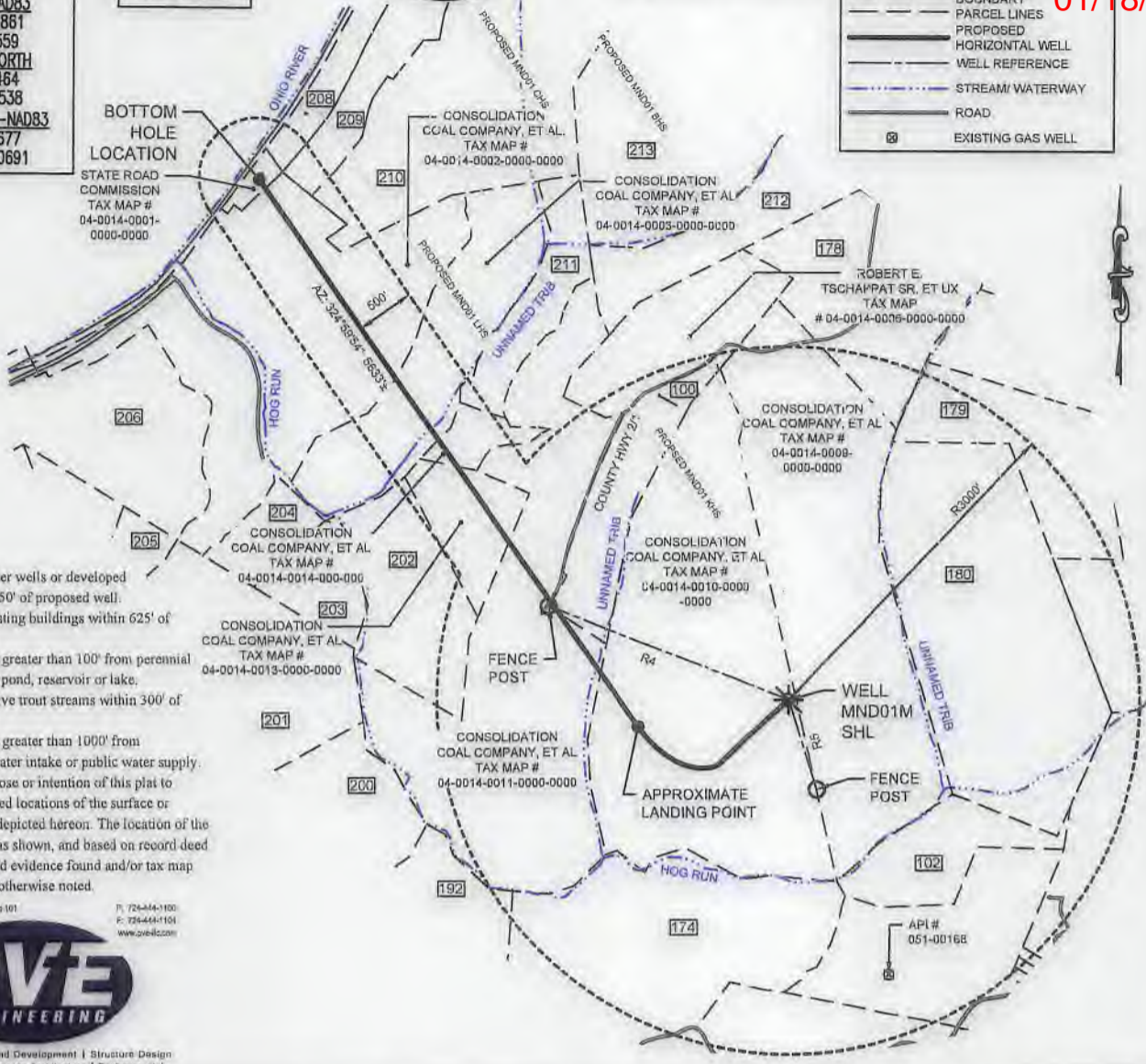
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD
- EXISTING GAS WELL

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4412425.861
 E: 517902.559
 NAD27, WV NORTH
 N: 498533.464
 E: 1637635.538
 LAT/LON DATUM-NAD83
 LAT: 39.861677
 LON: -80.790691

WATER WELLS:

NONE FOUND



NOTES:

- There are no water wells or developed springs within 250' of proposed well.
- There are no existing buildings within 625' of proposed well.
- Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
- There are no native trout streams within 300' of proposed well.
- Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
- It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, and based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

Westport Corporate Park III, Suite 101
 2200 Clarksburg Drive
 Steersley, PA 16143

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 www.pve-llc.com



Civil Engineering | Land Development | Structure Design
 Land Planning | Landscape Architecture | Environmental

FILE #: MND 01 MHS
 DRAWING #: MND 01 MHS
 SCALE: 1"=1500'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT H 138: 638.58'

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.

SIGNED: [Signature]

R.P.E.: 18766 L.L.S.: P.S. NO.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304



DATE: SEPTEMBER 10, 2018
 OPERATOR'S WELL #: MND 01 MHS
 API WELL # 47 051 01839
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow SHEET: 1 OF 3
 WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1150.00'
 COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: POWHATAN POINT, W. VA./OHIO
 SURFACE OWNER: CONSOLIDATION COAL COMPANY/ MURRAY ENERGY ACREAGE: 126.99
 OIL & GAS ROYALTY OWNER: CNX GAS COMPANY, LLC, ET AL. ACREAGE: 126.99

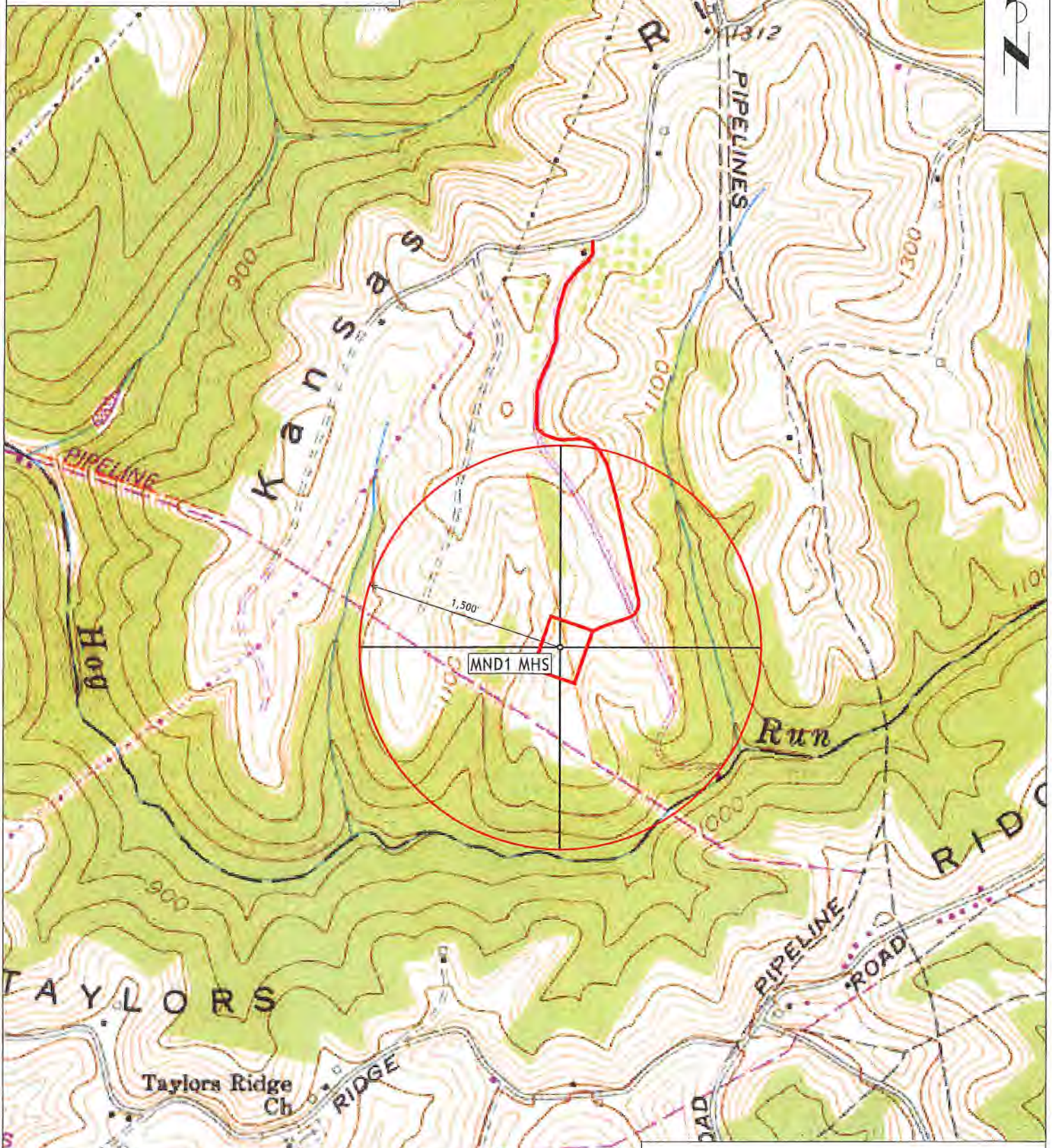
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,175' ± TMD: 12,374' ±
 WELL OPERATOR: HG ENERGY II APPALACHIA, LLC DESIGNATED AGENT: DIANE C. WHITE
 Address: 5260 DUPONT ROAD Address: 5260 DUPONT ROAD
 City PARKERSBURG State WV Zip Code 26101 City PARKERSBURG State WV Zip Code 26101

SUBJECT WELL
MND1 MHS

Office of the Engineer
OCT 01 2019
WVD -1200

47050429
01/18/2019



MND1 MHS

1,500'

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

Section of
Powhatan Point 7.5' Quadrangle
SCALE 1"=1000'