

SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83
 N: 441125.683
 E: 519205.935
 NAD27, WV NORTH
 N: 494189.890
 E: 1642169.390
 LAT/LON DATUM-NAD83
 LAT: 39.849932
 LON: -80.774322

Well is located on topo map 9133 feet south of Latitude: 39° 52' 30"

LINE	BEARING	DISTANCE
R1	S16°55'48"W	258.94'
R2	S87°54'27"W	148.18'
R3	N68°59'28"E	136.30'
R4	S89°54'28"E	214.62'
R5	N16°24'25"W	827.18'

LEGEND

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WWS#1
- ALL OTHER POINTS IN THE FILE OTHERWISE NOTED
- MINERAL TRACT
- BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM WATERWAY
- ROAD
- EXISTING GAS WELL

APPROX. LANDING POINT

UTM 17 - NAD83
 N: 4411392.156
 E: 519354.438
 NAD27, WV NORTH
 N: 495028.850
 E: 1642342.600
 LAT/LON DATUM-NAD83
 LAT: 39.852241
 LON: -80.773747

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4412950.667
 E: 516216.617
 NAD27, WV NORTH
 N: 500238.380
 E: 1638694.850
 LAT/LON DATUM-NAD83
 LAT: 39.866399
 LON: -80.787005

**WATER WELLS:
 NONE FOUND**

PVE Sheffler
 Engineering • Surveying • Design
 Waterfront Corporate Park III, Suite 101
 2000 Georgetown Drive
 Sewickley, PA 15143-8992
 Phone: 724-444-1100

NOTES

1. There are no water wells or developed springs within 250' of proposed well.
2. There are no existing buildings within 625' of proposed well.
3. Proposed well is greater than 100' from potential areas, wetland, pond, reservoir or lake.
4. There are no active coal seams within 300' of proposed well.
5. Proposed well is greater than 1000' from surface water bodies or potential water supply.
6. It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral process depicted herein. The location of the boundary lines, as shown, is based on record deed descriptions, field evidence found and/or topographic positions, unless otherwise noted.



FILE # MND 01 CHS
 DRAWING # MND 01 CHS
 SCALE: 1"=1500'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE: U.S.G.S. MONUMENT
 OF ELEVATION: H 138- 636.58'

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.: 16766 L.L.S.: P.S. NO. _____

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

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: SHORT CREEK-OHIO RIVER
 COUNTY/DISTRICT: MARSHALL / CLAY
 SURFACE OWNER: CONSOLIDATION GOAL COMPANY / MURRAY ENERGY
 OIL & GAS ROYALTY OWNER: CNX GAS COMPANY, LLC, ET AL

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

TARGET FORMATION: MARCELLUS
 WELL OPERATOR: NOBLE ENERGY, INC
 Address: 1000 NOBLE ENERGY DRIVE
 City: CANNONBURG State: PA Zip Code: 15317

DATE: FEBRUARY 12, 2015 - REV FEBRUARY 24, 2015
 OPERATOR'S WELL #: MND 01 CHS
 API WELL # 47 51 01835
 STATE COUNTY PERMIT

ELEVATION: 1150.37
 QUADRANGLE: POWHATAN POINT, W.VA/OHIO
 ACREAGE: 126.99
 ACREAGE: 126.99

ESTIMATED DEPTH: TYD: 6,360' ± TMD: 13,520' ±
 DESIGNATED AGENT: JESSICA ALSOP
 Address: 301 GOLDEN EAGLE DRIVE
 City: MORGANTOWN State: WV Zip Code: 26506

RECEIVED
 Office of Oil and Gas
 AUG 01 2017
 WV Department of Environmental Protection

Well is located on topo map 9133 feet west of Longitude: 80° 45' 00"