

Well is located on topo map 9,161 feet south of Latitude: 39° 52' 30"

Well is located on topo map 6,842 feet west of Longitude: 80° 45' 00"

SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83
 N: 4411117.074
 E: 519302.861
 NAD27, WV NORTH
 N: 494161.810
 E: 1642158.830
 LAT/LON DATUM-NAD83
 LAT: 39.849854
 LON: -80.774358

APPROX. LANDING POINT

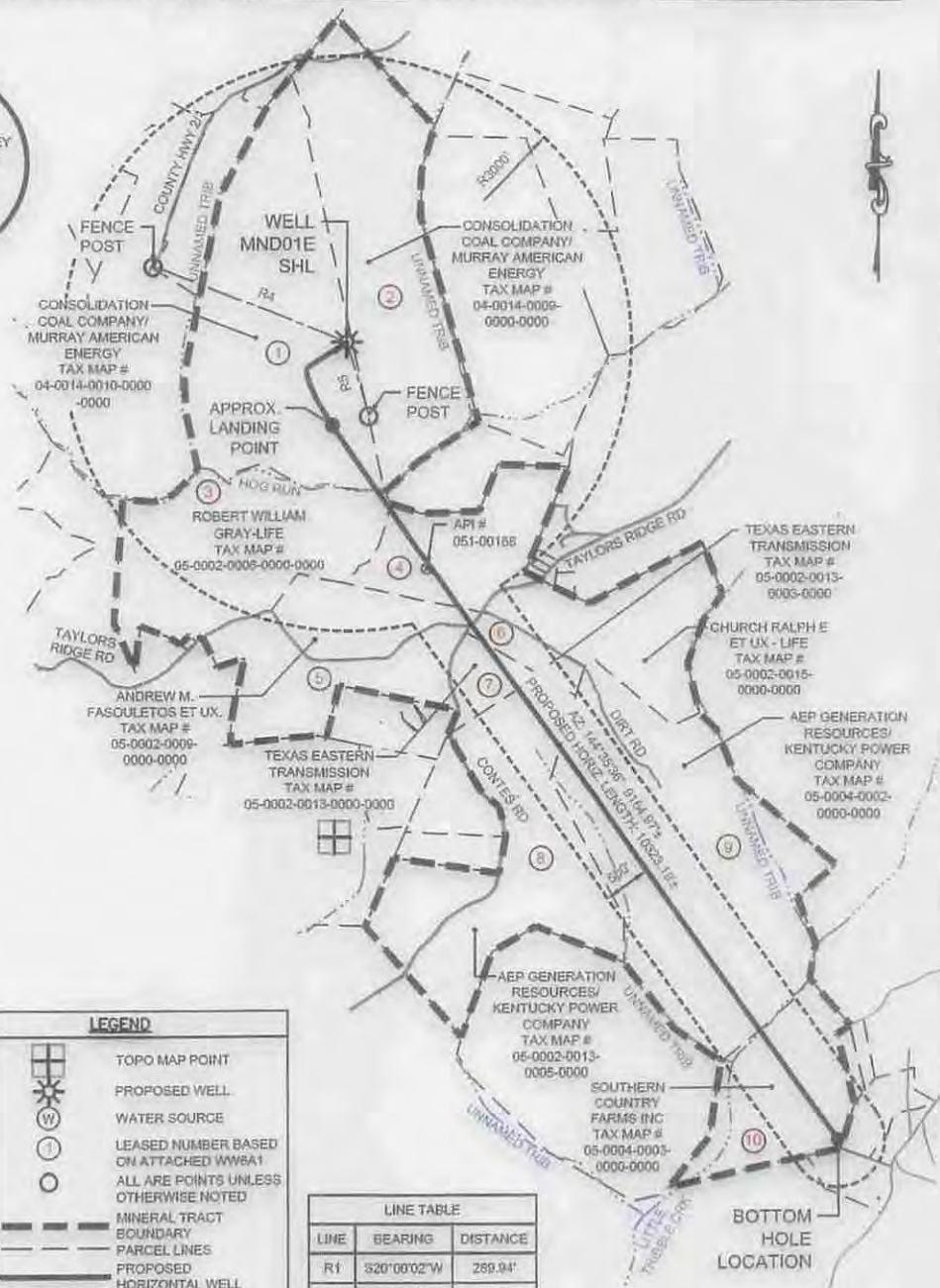
UTM 17 - NAD83
 N: 4410853.811
 E: 519260.521
 NAD27, WV NORTH
 N: 493300.238
 E: 1642005.474
 LAT/LON DATUM-NAD83
 LAT: 39.847483
 LON: -80.774861

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4408605.082
 E: 520916.254
 NAD27, WV NORTH
 N: 485830.140
 E: 1647315.442
 LAT/LON DATUM-NAD83
 LAT: 39.827183
 LON: -80.755579

**WATER WELLS:
 NONE FOUND**

**REFERENCE
 DETAIL**



LEGEND

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED W/MB#1 ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD
- EXISTING GAS WELL

LINE TABLE

LINE	BEARING	DISTANCE
R1	S20°00'21"W	289.94'
R2	S60°28'23"W	170.97'
R3	N02°04'21"E	107.32'
R4	S68°43'57"E	2194.67'
R5	N17°19'22"W	794.21'

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 perennial stream, wetland, pond, reservoir or lake.
4. There are no native trout streams within 300' of proposed well.
5. Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
6. 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.

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

FILE #: MND 01 EHS
 DRAWING #: MND 01 EHS
 SCALE: 1"=2000
 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. _____

STATE OF WEST VIRGINIA
 REGISTERED PROFESSIONAL SURVEYOR
 18766
 PLACE SEAL HERE

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



DATE: FEBRUARY 12, 2015 - REV MARCH 3, 2015
 OPERATOR'S WELL #: MND 01 EHS
 API WELL # 47 051 01837
 STATE COUNTY PERMIT

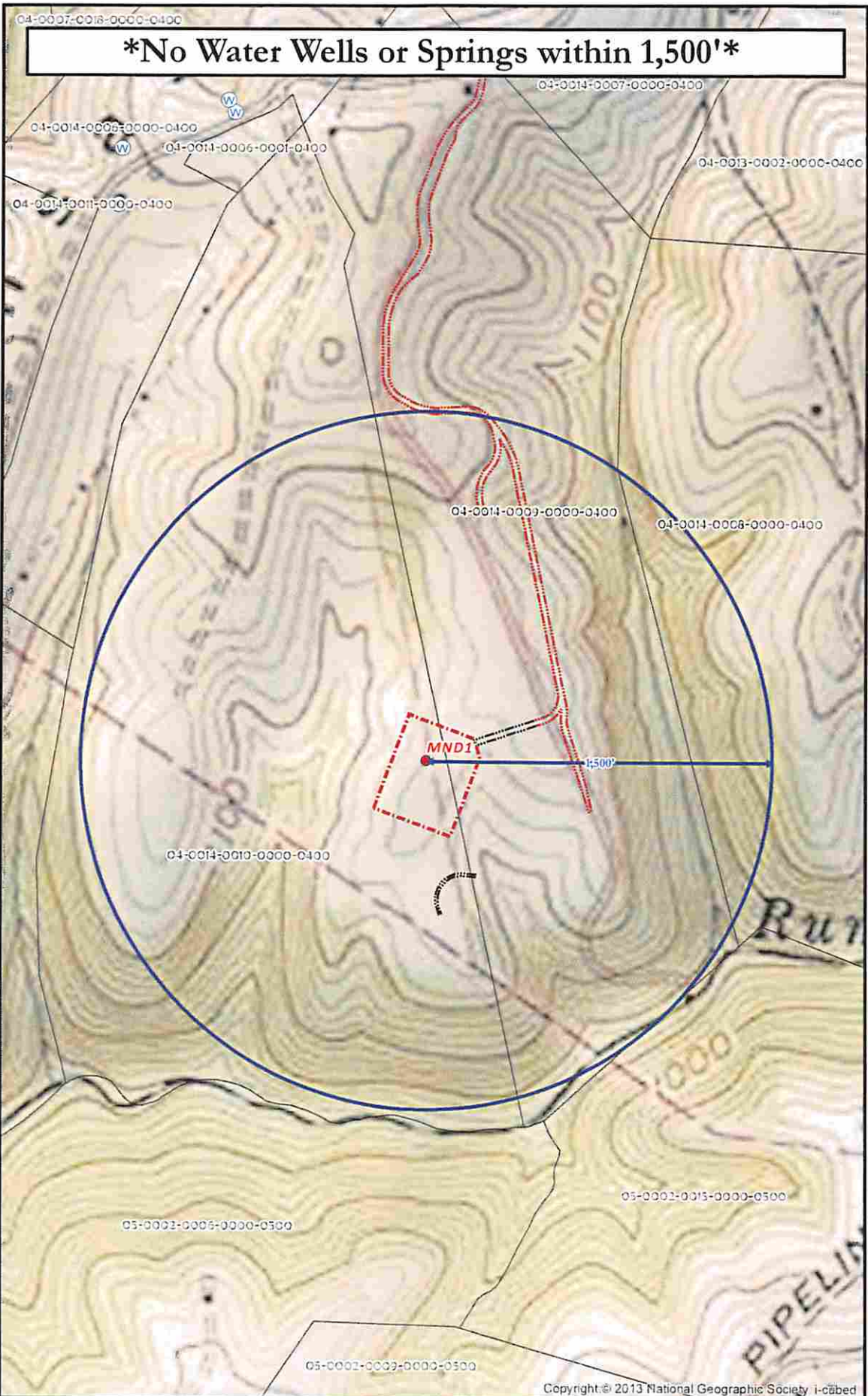
Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1150.42'
 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: 6,360' ± TMD: 16,325' ±
 WELL OPERATOR: NOBLE ENERGY, INC. DESIGNATED AGENT: JESSICA ALSOP
 Address: 1000 NOBLE ENERGY DRIVE Address: 301 GOLDEN EAGLE DRIVE
 City CANNONBURG State PA Zip Code 15317 City MORGANTOWN State WV Zip Code 26508

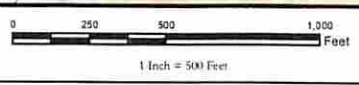
05/29/2015



No Water Wells or Springs within 1,500'

4705101837

MND 1 SITE SAFETY PLAN
- WATER WELL PURVEYORS -



- Well Pad
- Well Pad Boundary
- Water Well
- Water Well Buffer
- Pipeline Compression Access
- Noise Access Road
- Pipeline
- County
- State

Projection: NAD 1927 StatePlane West Virginia North FIPS 4701
Units: Foot US

****Disclaimer: All data is licensed for use by Noble Energy Inc. use only.****



Date: 8/5/2014

Author:
Christopher Glover

