

Well is located on topo map 9140 feet south of Latitude: 39° 52' 30"

Well is located on topo map 6.810 feet west of Longitude: 80° 45' 00"

**SURFACE HOLE LOCATION (SHL)**

UTM 17 - NAD83  
 N: 4411123.326  
 E: 519312.535  
 NAD27, WV NORTH  
 N: 494181.793  
 E: 1642190.916  
 LAT/LON DATUM=NAD83  
 LAT: 39.849910  
 LON: -80.774245

**APPROX. LANDING POINT**

UTM 17 - NAD83  
 N: 4411518.691  
 E: 519932.250  
 NAD27, WV NORTH  
 N: 495445.165  
 E: 1644246.127  
 LAT/LON DATUM=NAD83  
 LAT: 39.853458  
 LON: -80.766989

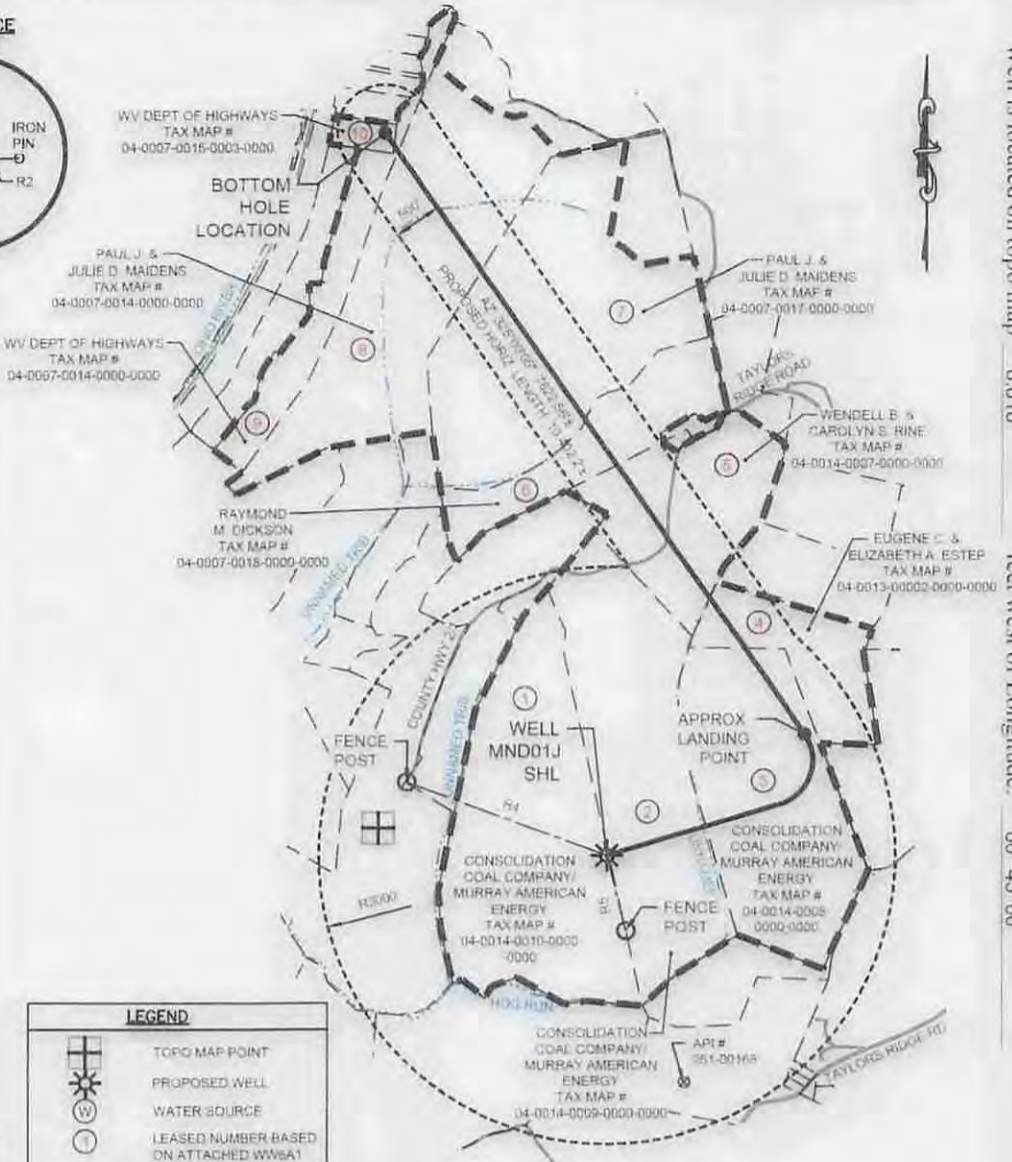
**BOTTOM HOLE LOCATION**

UTM 17 - NAD83  
 N: 4413398.690  
 E: 518568.471  
 NAD27, WV NORTH  
 N: 501689.256  
 E: 1639873.982  
 LAT/LON DATUM=NAD83  
 LAT: 39.870428  
 LON: -80.782678

**WATER WELLS:**  
 NONE FOUND

**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.



**LEGEND**

- TOPOG MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WWS&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	S14°52'47"W	261.23'
R2	S87°52'02"W	310.36'
R3	N11°54'17"E	329.45'
R4	S09°54'07"E	2217.62'
R5	S14°05'48"E	813.95'

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

FILE #: MND 01 JHS  
 DRAWING #: MND 01 JHS  
 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.: 21452 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: JULY 29, 2015 - REV. JULY 30, 2015  
 OPERATOR'S WELL #: MND 01 JHS  
 API WELL # 47 051 **01865**  
 STATE COUNTY PERMIT

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

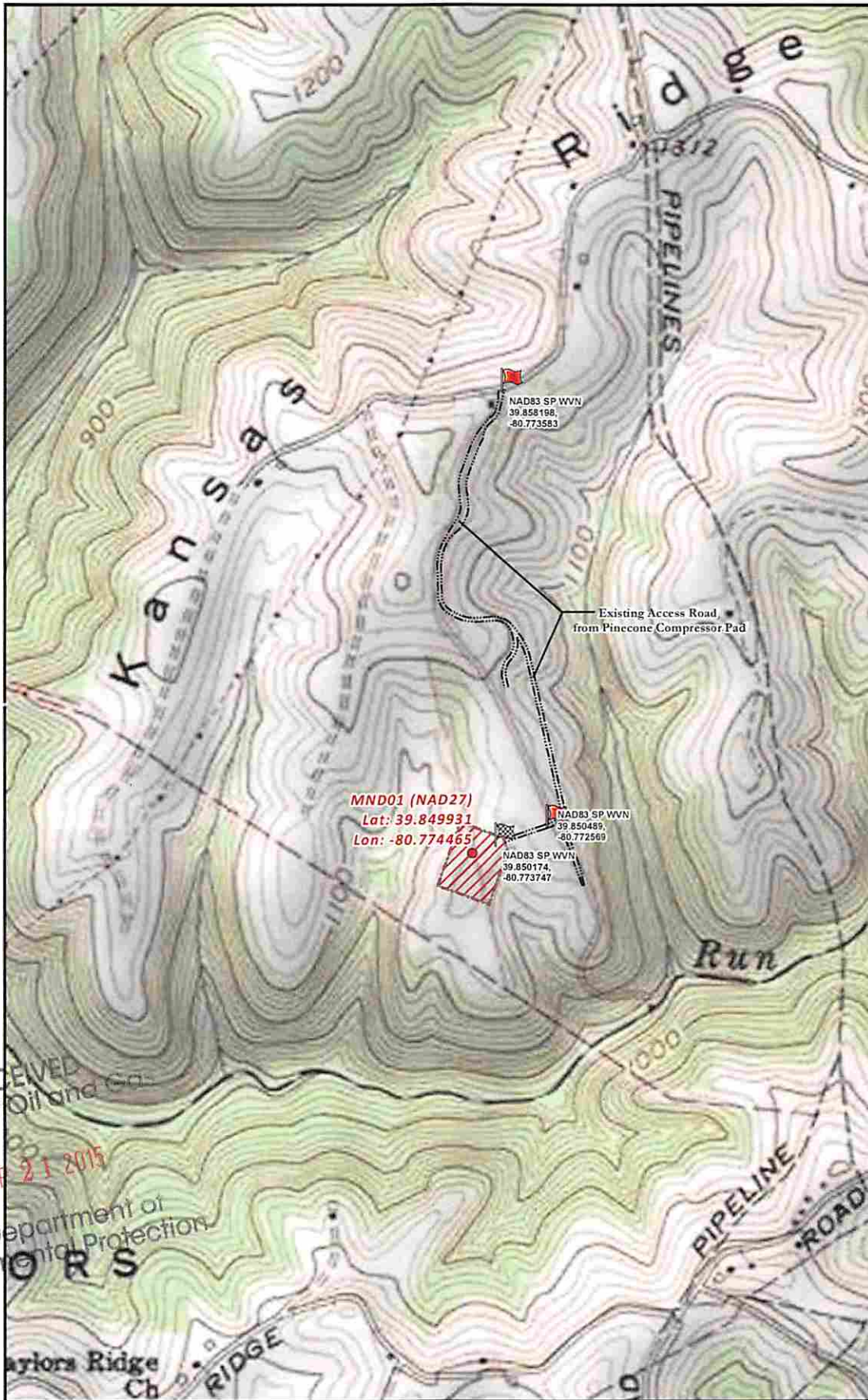
WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1151.05'  
 COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: POWHATAN POINT, W. VA./OHIO  
 SURFACE OWNER: CONSOLIDATION COAL COMPANY/ MURRAY ENERGY ACREAGE: 126.99  
 OIL & GAS ROYALTY OWNER: CNX GAS COMPANY, LLC, ET AL. ACREAGE: 126.99

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: 6,630' ± TMD: 15,150' ±  
 WELL OPERATOR: NOBLE ENERGY, INC. DESIGNATED AGENT: JESSICA ALSOP  
 Address: 1000 NOBLE ENERGY DRIVE Address: 301 GOLDEN EAGLE DRIVE  
 City CANONSBURG State PA Zip Code 15317 City MORGANTOWN State WV Zip Code 26508

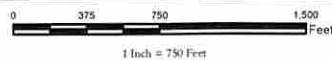
**10/02/2015**





RECEIVED  
Office of Oil and Gas  
SEP 21 2015  
WV Department of  
Environmental Protection

**MND 01 SITE SAFETY PLAN**  
- SITE / ACCESS ROAD -



- Site Entrance
- Well Pad
- Proposed Access Road
- Well Pad Entrance
- Well Pad Boundary

Projection: NAD 1927 UTM Zone 17N  
Units: Foot US

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



Date: 9/16/2015

Author:  
Christopher Glover

