

SURFACE HOLE LOCATION (SH)

UTM 17 - NAD83
 N: 4411121.376
 E: 518304.395
 NAD27 WY NORTH
 N: 494175.850
 E: 1642164.110
 LAT/LON DATUM-NAD83
 LAT: 39.849893
 LON: -80.774340

APPROX. LANDING POINT

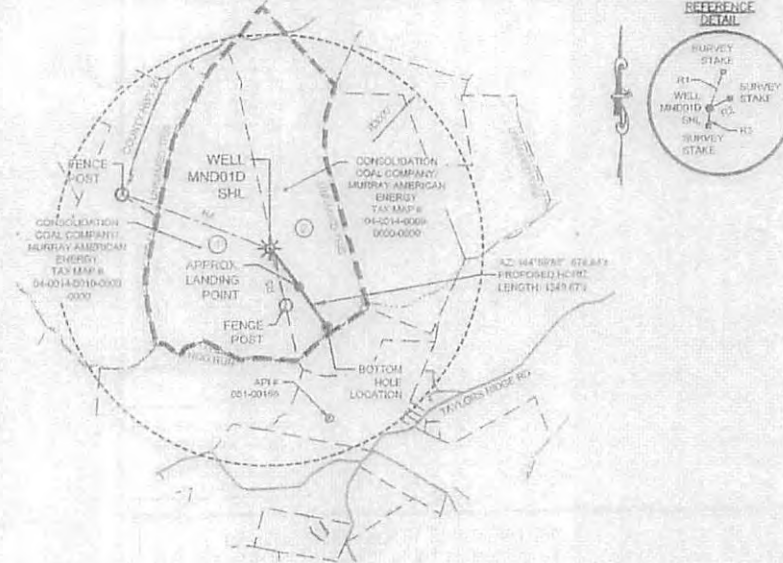
UTM 17 - NAD83
 N: 4410822.342
 E: 519432.121
 NAD27 WY NORTH
 N: 493646.950
 E: 1642574.510
 LAT/LON DATUM-NAD83
 LAT: 39.848457
 LON: -80.772852

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4410794.668
 E: 519553.754
 NAD27 WY NORTH
 N: 493090.0613
 E: 1642964.456
 LAT/LON DATUM-NAD83
 LAT: 39.846944
 LON: -80.771435

**WATER WELLS:
 NONE FOUND**

Well is located on topo map 9.147 feet south of Latitude: 39° 52' 30"



Well is located on topo map 9.337 feet west of Longitude: 80° 45' 00"

NOTES

- There are no water wells or developed areas within 250' of proposed well.
- There are no existing buildings within 675' of proposed well.
- Proposed well is greater than 100' from potential stream, wetland, pond, reservoir or lake.
- There are no active front streams within 300' of proposed well.
- Proposed well is greater than 1000' from surface ground water intake or public water supply.
- It is the purpose and intention of this plan to represent surveyed locations of the surface or unexcavated proposed location. The location of the boundary lines, as shown, and based on recent deed descriptions. Field evidence should be the last step position, unless otherwise noted.

LINE	BEARING	DISTANCE
R1	S18°59'00"W	274.94
R2	S04°32'00"W	155.72
R3	N04°10'00"E	121.64
R4	S69°12'00"E	219.55
R5	N10°28'00"W	95.09

LEGEND

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED MEMBER CASED OR ATTACHED WELLS
- ALL AIR POINTS (PALEO) OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINE
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD
- EXISTING GAS WELL

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 DHS
 DRAWING #: MND 01 DHS
 SCALE: 1"=2000'
 MINIMUM DEGREE OF ACCURACY: 1/2500'
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT H.136 636.56'

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.: 18765 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: FEBRUARY 12, 2015 - REV FEBRUARY 26, 2015
 OPERATOR'S WELL #: MND 01 DHS
 API WELL # 47 051 01736
 STATE COUNTY PERMIT

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

WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1151.00'
 COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: POWHATAN POINT, W. VA. J010
 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: 6,380' + TMD: 7,643'
 WELL OPERATOR: NOBLE ENERGY, INC. DESIGNATED AGENT: JESSICA ALSOP
 Address: 1000 NOBLE ENERGY DRIVE Address: 301 GOLDEN EAGLE DRIVE
 City: CANNONSBURG State: PA Zip Code: 15317 City: MORGANTOWN State: WV Zip Code: _____

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