

SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83
 N: 4411114.716
 E: 519309.461
 NAD27, WY NORTH
 N: 494153.710
 E: 1642180.360
 LAT/LON DATUM-NAD83
 LAT: 39.849833
 LON: -80.774281

APPROX. LANDING POINT

UTM 17 - NAD83
 N: 4411155.059
 E: 519067.460
 NAD27, WY NORTH
 N: 494299.380
 E: 1641388.460
 LAT/LON DATUM-NAD83
 LAT: 39.850202
 LON: -80.777109

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4412597.848
 E: 518020.836
 NAD27, WY NORTH
 N: 499091.350
 E: 1638033.080
 LAT/LON DATUM-NAD83
 LAT: 39.863224
 LON: -80.789303

**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.

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



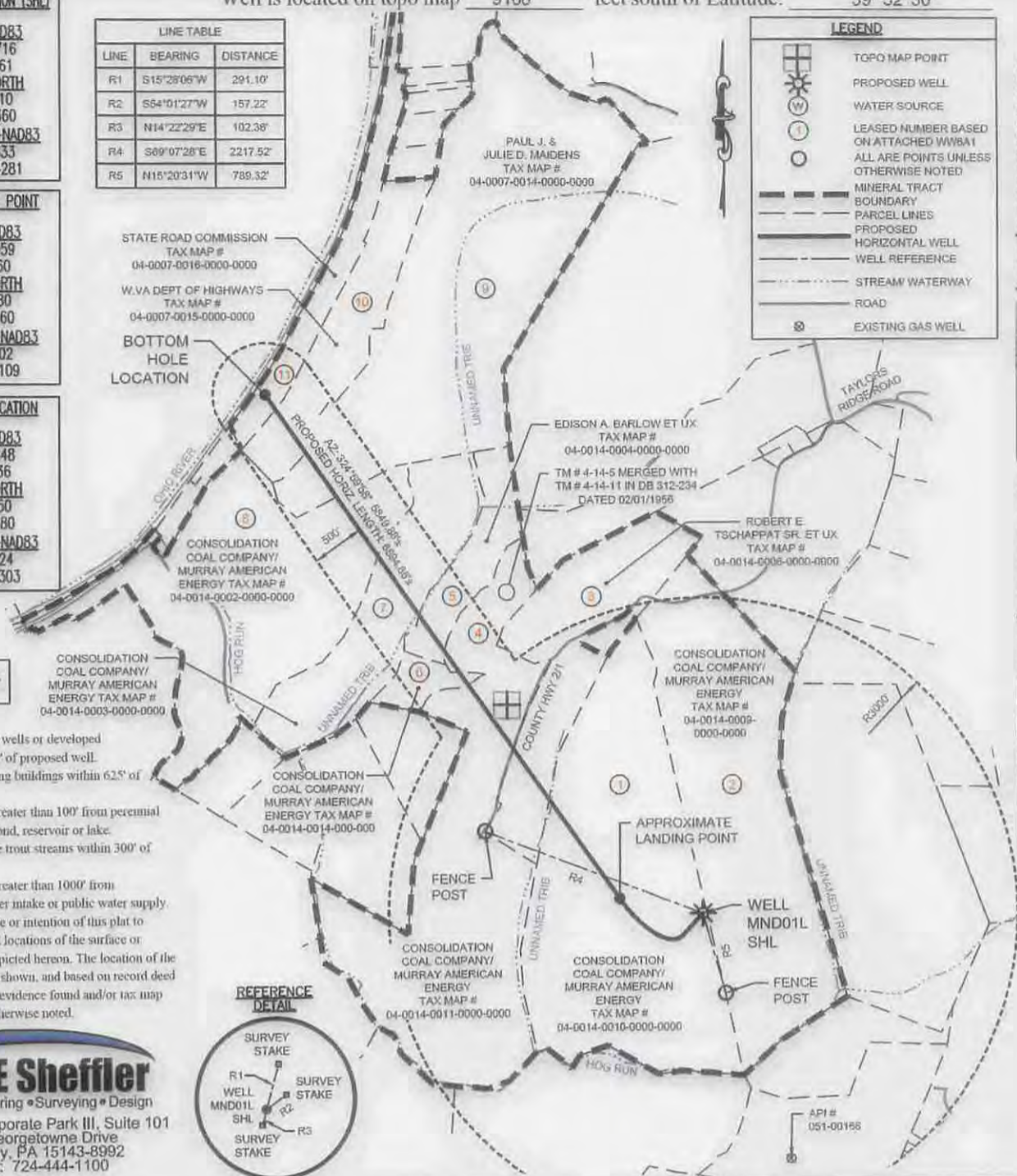
Well is located on topo map 9168

feet south of Latitude: 39° 52' 30"

LINE	BEARING	DISTANCE
R1	S15°28'05"W	291.10'
R2	S64°01'27"W	157.22'
R3	N14°22'29"E	102.38'
R4	S69°07'28"E	2217.52'
R5	N15°20'31"W	789.32'

LEGEND

- TQPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WWBA1 ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM WATERWAY
- ROAD
- ⊗ EXISTING GAS WELL



Well is located on topo map 9168 feet west of Longitude: 80° 45' 00"

FILE #: MND 01 LHS
 DRAWING #: MND 01 LHS
 SCALE: 1"=1500'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE U.S.G.S. MONUMENT OF ELEVATION: 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 SURVEYOR
 JAMES MICHAEL WILSON
 18786
 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 FEBRUARY 24, 2015
 OPERATOR'S WELL #: MND 01 LHS
 API WELL # 47 051 01833 H/6/A
 STATE COUNTY PERMIT

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

WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1150.37'
 COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: POWHATAN POINT, W. VA./OHIO

SURFACE OWNER: CONSOLIDATION COAL COMPANY/ MURRAY AMERICAN ENERGY ACREAGE: 126.99
 OIL & GAS ROYALTY OWNER: CNX GAS COMPANY, LLC, ET AL. ACREAGE: 126.99

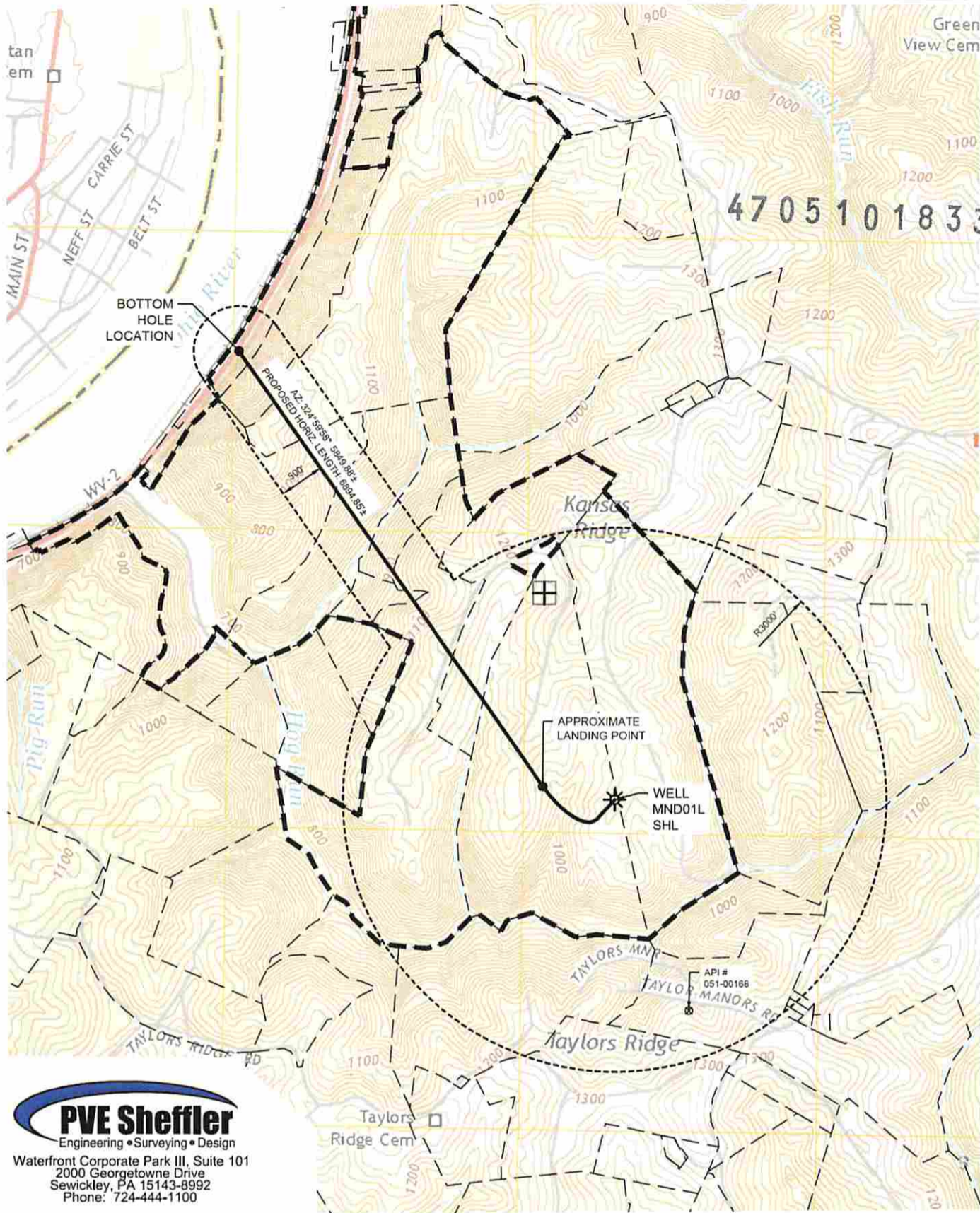
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,360' ± TMD: 13,010' ±
 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 26508

05/29/2015

Well is located on topo map 9168 feet south of Latitude: 39° 52' 30"

Well is located on topo map 6.820 feet west of Longitude: 80° 45' 00"



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



DATE: FEBRUARY 13, 2015

OPERATOR'S WELL #: MND 01 LHS

API WELL # 47 051 01833
 STATE COUNTY PERMIT

Office of Oil & Gas
 MAR 13 2015

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

WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1150.37'

COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: POWHATAN POINT, W. VA./OHIO

SURFACE OWNER: MURRAY ENERGY ACREAGE: 126.99

OIL & GAS ROYALTY OWNER: CNX GAS COMPANY, LLC, ET AL. ACREAGE: 126.99

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 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: 12,689' ±

WELL OPERATOR: NOBLE ENERGY, INC. DESIGNATED AGENT: STEVEN M. GREEN

Address: 1000 NOBLE ENERGY DRIVE Address: 500 VIRGINIA STREET EAST, UNITED CENTER SUITE 590

City CANNONSBURG State PA Zip Code 15317 City CHARLESTON State WV Zip Code 25301

05/29/2015