

**SURFACE HOLE LOCATION (SHL)**

**APPROX. LANDING POINT**

Well is located on topo map 9183 feet south of Latitude: 39° 52' 30"

UTM 17 - NAD83  
N: 4411110.412  
E: 519307.924  
NAD27, WV NORTH  
N: 494139.670  
E: 1642175.080  
LAT/LON DATUM-NAD83  
LAT: 39.849794  
LON: -80.774299

UTM 17 - NAD83  
N: 4411045.618  
E: 518920.986  
NAD27, WV NORTH  
N: 493948.290  
E: 1640901.820  
LAT/LON DATUM-NAD83  
LAT: 39.849219  
LON: -80.778824

**REFERENCE DETAIL**



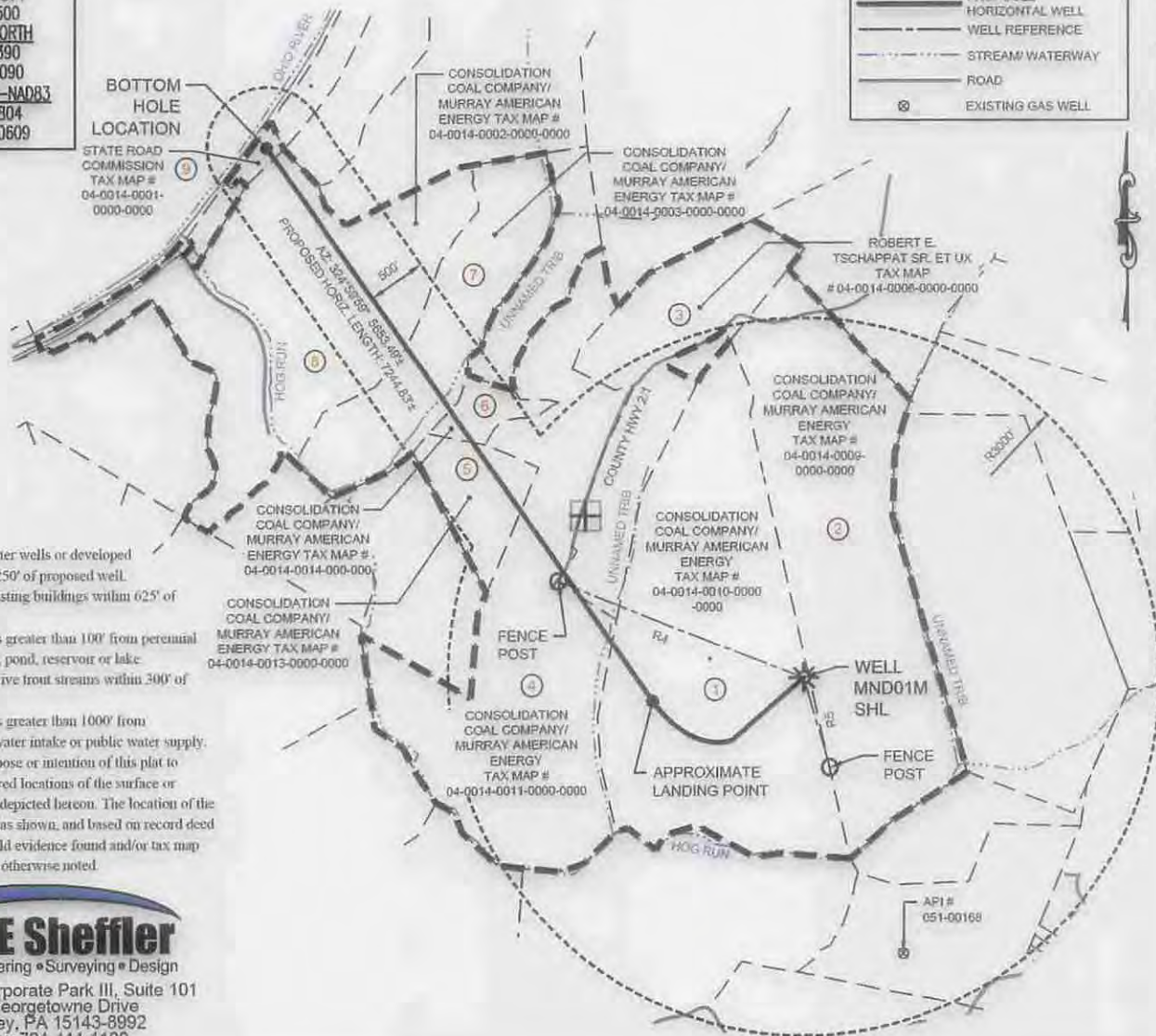
LINE	BEARING	DISTANCE
R1	S15°43'12"W	306.04'
R2	S51°14'18"W	169.95'
R3	N13°18'25"E	87.48'
R4	S68°44'21"E	2217.68'
R5	N15°59'08"W	777.27'

LEGEND	
	TOPO MAP POINT
	PROPOSED WELL
	WATER SOURCE
	LEASED NUMBER BASED ON ATTACHED WW6A1
	ALL ARE POINTS UNLESS OTHERWISE NOTED
	MINERAL TRACT BOUNDARY
	PARCEL LINES
	PROPOSED HORIZONTAL WELL
	WELL REFERENCE
	STREAM/WATERWAY
	ROAD
	EXISTING GAS WELL

**BOTTOM HOLE LOCATION**

WATER WELLS:  
NONE FOUND

UTM 17 - NAD83  
N: 4412439.971  
E: 517909.500  
NAD27, WV NORTH  
N: 498579.390  
E: 1637659.090  
LAT/LON DATUM-NAD83  
LAT: 39.861804  
LON: -80.790609



**NOTES:**

- There are no water wells or developed springs within 250' of proposed well.
- There are no existing buildings within 625' of proposed well.
- Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
- There are no native trout streams within 300' of proposed well.
- Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
- It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted herein. 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.



Waterfront Corporate Park III, Suite 101  
2000 Georgetowne Drive  
Sewickley, PA 15143-8992  
Phone: 724-444-1100

Well is located on topo map 6.825 feet west of Longitude: 80° 45' 00"

FILE #: MND 01 MHS

DRAWING #: MND 01 MHS

SCALE: 1"=1500'

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. \_\_\_\_\_



(+) 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 MHS

API WELL # 47 051 01839  
STATE COUNTY PERMIT

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

WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1150.62'  
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)

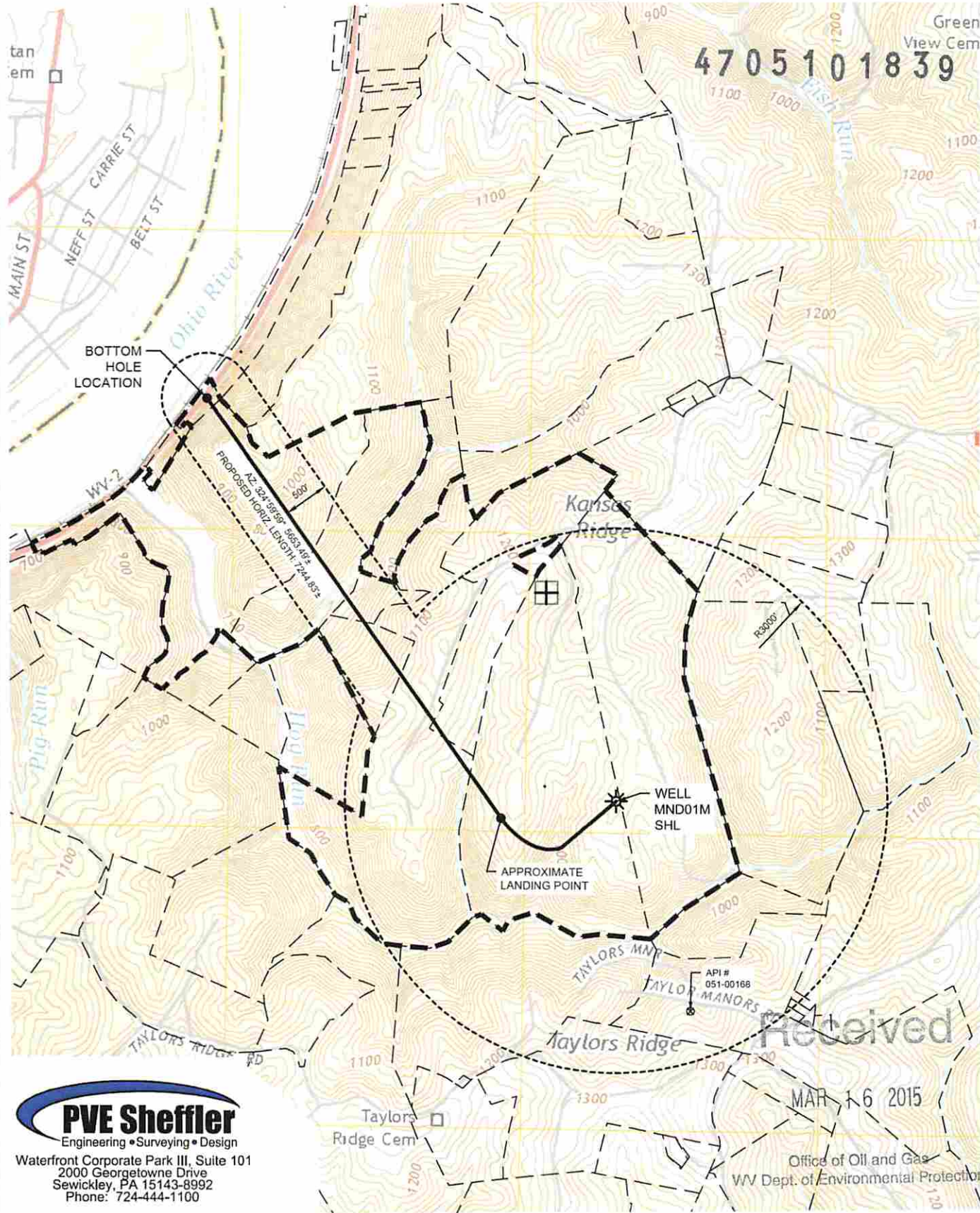
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,360' ± TMD: 12,814' ±  
WELL OPERATOR: NOBLE ENERGY, INC. DESIGNATED AGENT: JESSICA ALSOP  
Address: 1000 NOBLE ENERGY DRIVE Address: 301 GOLDEN EAGLE DRIVE  
City CANNONSBURG State PA Zip Code 15317 City MORGANTOWN State WV Zip Code 26508

05/29/2015



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

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 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: FEBRUARY 13, 2015

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API WELL # 47 051  
 STATE COUNTY PERMIT

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 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,360' ± TMD: 12,613' ±

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