

**SURFACE HOLE LOCATION (SHL)**

UTM 17 - NAD83  
 N: 4358000.647  
 E: 514174.042  
 NAD27, WV NORTH  
 N: 320142.950  
 E: 1622422.200  
 LAT/LON DATUM-NAD83  
 LAT: 39.37135655  
 LON: -80.83544830

**APPROX. LANDING POINT**

UTM 17 - NAD83  
 N: 4357836.439  
 E: 513783.418  
 NAD27, WV NORTH  
 N: 319625.525  
 E: 1621131.365  
 LAT/LON DATUM-NAD83  
 LAT: 39.36988324  
 LON: -80.83998656

**BOTTOM HOLE LOCATION**

UTM 17 - NAD83  
 N: 4356258.303  
 E: 514387.252  
 NAD27, WV NORTH  
 N: 314413.733  
 E: 1623026.445  
 LAT/LON DATUM-NAD83  
 LAT: 39.35565320  
 LON: -80.83301046

LINE	BEARING	DISTANCE
R1	S17°07'23"E	347.09'
R2	S47°42'32"W	266.93'
R3	N03°18'36"W	192.10'
R4	S62°15'04"E	1311.71'
R5	S19°02'45"W	1823.04'



Well is located on topo map 1328 feet south of Latitude: 39° 22' 30"

Well is located on topo map 601

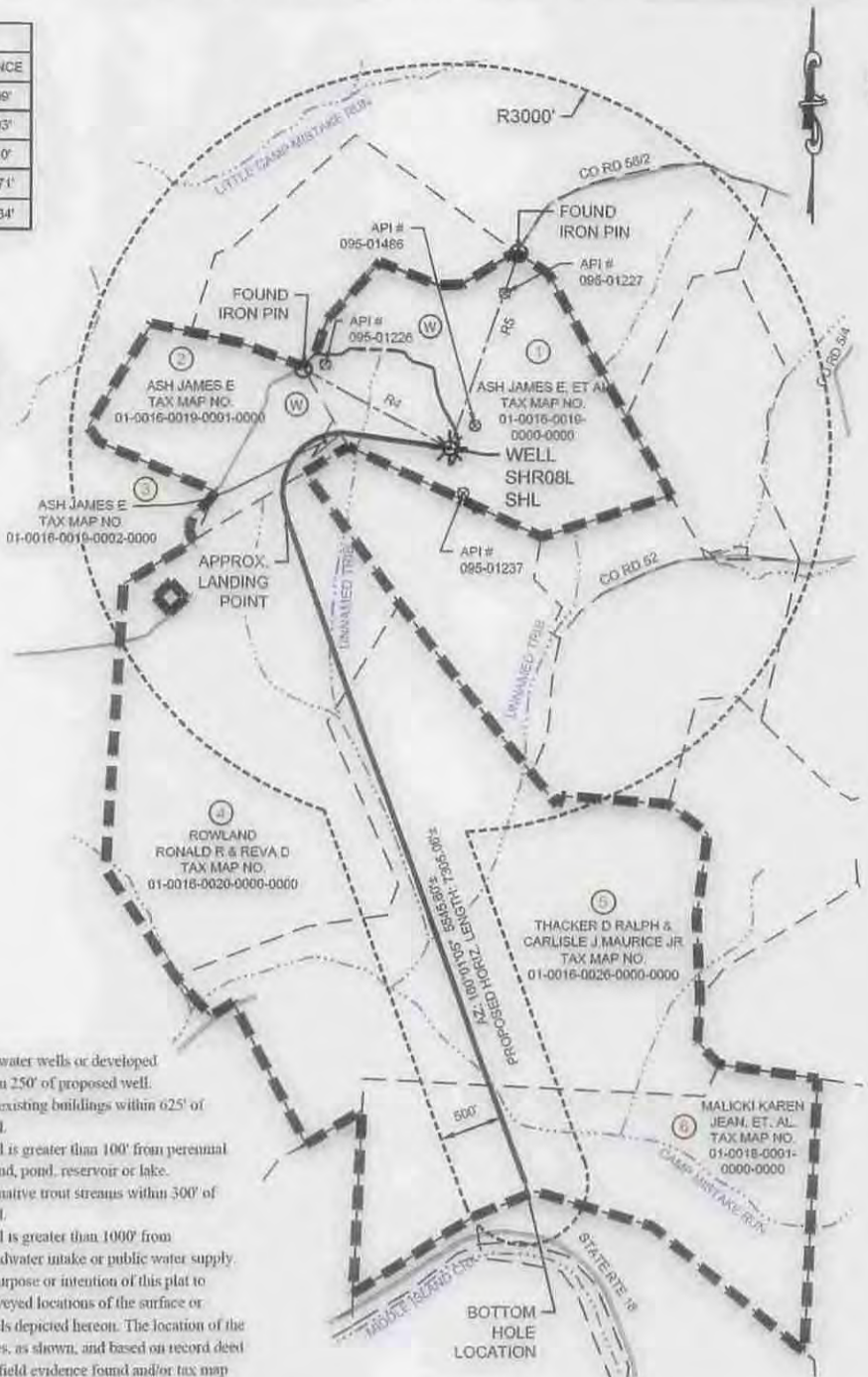
feet west of Longitude: 80° 50' 00"

**LEGEND**

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WW61
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD
- EXISTING GAS WELL

**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 500' 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 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 #: SHR08L  
 DRAWING #: SHR08L  
 SCALE: 1"=1500'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE OF ELEVATION: USGS MONUMENT G 142: 736.51'

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



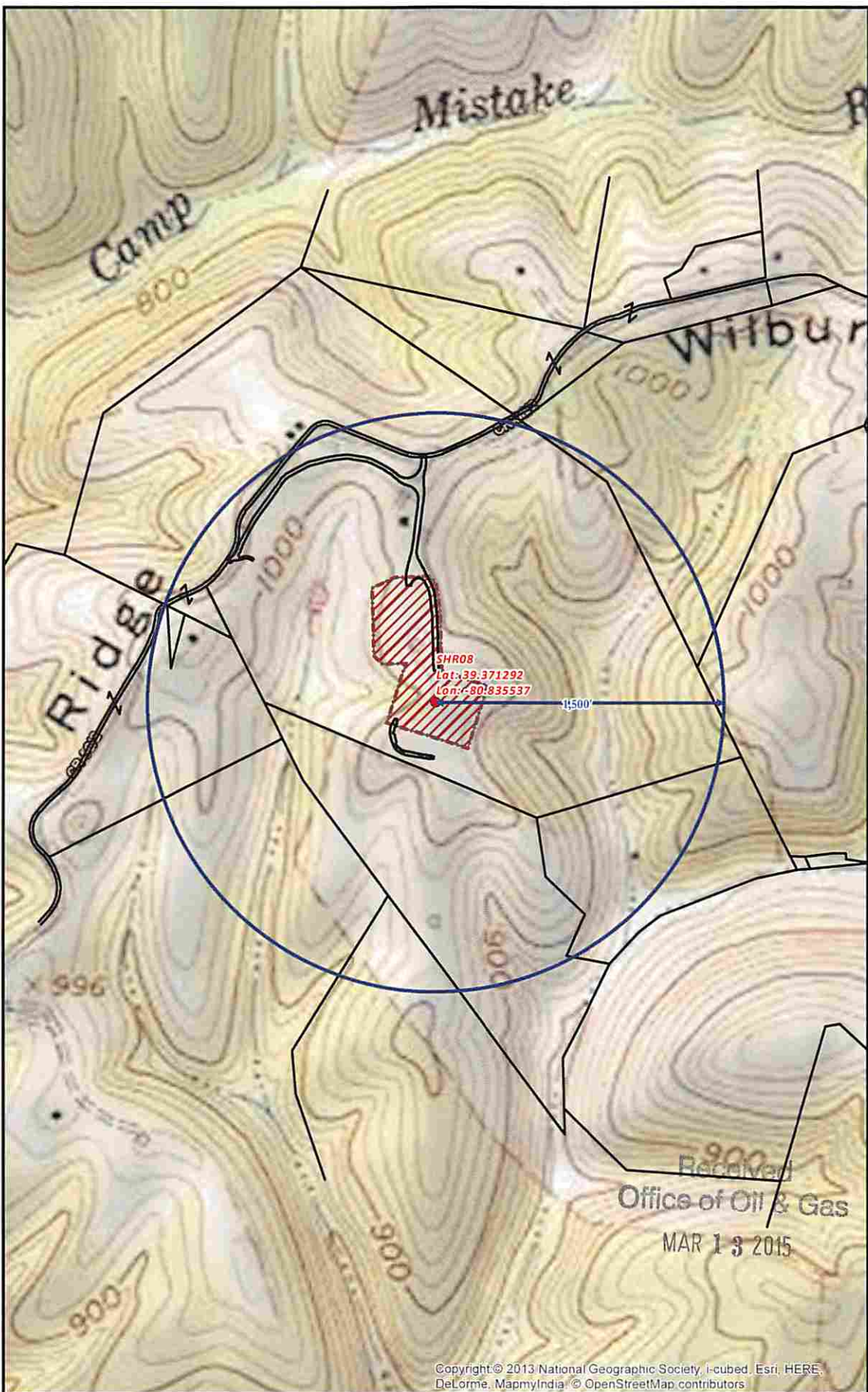
DATE: FEBRUARY 9, 2015, REV: FEBRUARY 11, 2015  
 OPERATOR'S WELL #: SHR08L  
 API WELL # 47 095 02245  
 STATE COUNTY PERMIT

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

WATERSHED: HEADWATERS MIDDLE ISLAND CREEK ELEVATION: 1018.72'  
 COUNTY/DISTRICT: TYLER / CENTERVILLE QUADRANGLE: WEST UNION, WV  
 SURFACE OWNER: JAMES E. ASH, ET AL ACREAGE: 90.41 AC.  
 OIL & GAS ROYALTY OWNER: RALPH E PHILLIPS, ET AL. ACREAGE: 90.41 AC.

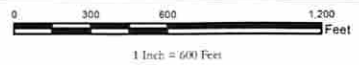
06/26/2015

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: 6,664 ± TMD: 17,275  
 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 CANONSBURG State PA Zip Code 15317 City CHARLESTON State WV Zip Code 25301



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**SHR 08 SITE SAFETY PLAN**  
**- WATER WELL PURVEYORS -**



- Well Pad
- Calum
- Water Well
- X Intersection
- Access Road
- Surveyed Property Lines
- ▭ Well Pad Boundary
- ▭ 1500' Water Wells Buffer

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: 3/3/2015

Author:  
Christopher Glover



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06/26/2015