

**SURFACE HOLE LOCATION (SHL)**

UTM 17 - NAD83  
 N: 4423218.098  
 E: 535386.475  
 NAD27, WV NORTH  
 N: 532988.152  
 E: 1695599.024  
 LAT/LON DATUM-NAD83  
 LAT: 39.958363  
 LON: -80.585695

**APPROX. LANDING POINT**

UTM 17 - NAD83  
 N: 4423196.848  
 E: 535302.576  
 NAD27, WV NORTH  
 N: 532923.029  
 E: 1695322.552  
 LAT/LON DATUM-NAD83  
 LAT: 39.958175  
 LON: -80.586678

**BOTTOM HOLE LOCATION**

UTM 17 - NAD83  
 N: 4422908.805  
 E: 535412.904  
 NAD27, WV NORTH  
 N: 531971.749  
 E: 1695668.788  
 LAT/LON DATUM-NAD83  
 LAT: 39.955575  
 LON: -80.585402

LINE	BEARING	DISTANCE
R1	N22°43'24"W	315.09'
R2	N34°30'32"W	440.86'
R3	S72°57'14"W	376.30'
R4	N17°45'07"W	1016.74'
R5	S72°57'14"W	376.30'

**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

**WELLS WITHIN 3000'**

- EXISTING GAS WELL
- RECORD GAS WELL

WATER WELLS:  
 NONE FOUND

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

FILE #: SHL 27 BHS  
 DRAWING #: SHL 27 BHS  
 SCALE: 1"=1500'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE: USGS MONUMENT  
 OF ELEVATION: U 124: 951.16'

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: OCTOBER 16, 2014 - REV. FEBRUARY 12, 2015  
 OPERATOR'S WELL #: SHL 27 BHS  
 API WELL # 47 051 01814  
 STATE COUNTY PERMIT

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

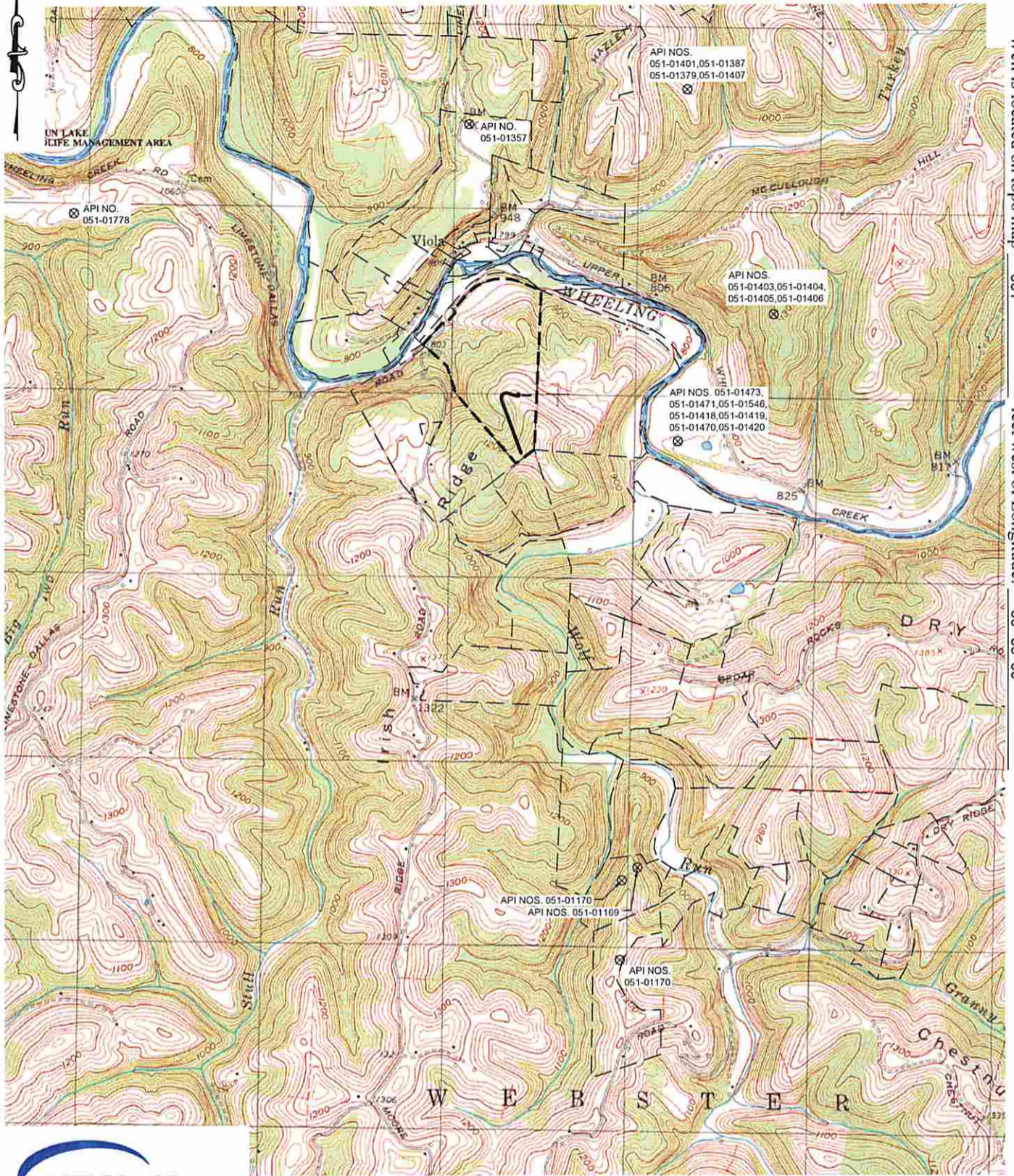
WATERSHED: WHEELING CREEK ELEVATION: 1,167.4'  
 COUNTY/DISTRICT: MARSHALL / WEBSTER QUADRANGLE: MAJORSVILLE, W. VA  
 SURFACE OWNER: STEVE WARD AND ED WARD ACREAGE: 122.47  
 OIL & GAS ROYALTY OWNER: BOUNTY MINERALS, LLC ACREAGE: 122.47

- 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: 6,527' ± TMD: 8,812' ±  
 WELL OPERATOR: NOBLE ENERGY, INC. DESIGNATED AGENT: STEVEN M. GREEN  
 Address: 333 TECHNOLOGY DRIVE, SUITE 116 Address: 500 VIRGINIA STREET EAST, UNITED CENTER SUITE 590  
 City CANONSBURG State PA Zip Code 15317 City CHARLESTON State WV Zip Code 25301

Well is located on topo map 15,166 feet south of Latitude: 40° 00' 00"

Well is located on topo map 661 feet west of Longitude: 80° 35' 00"



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601 57TH STREET  
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DATE: OCTOBER 16, 2014 - REV. FEBRUARY 12, 2015

OPERATOR'S WELL #: SHL 27 BHS

API WELL # 47 051  
STATE COUNTY PERMIT

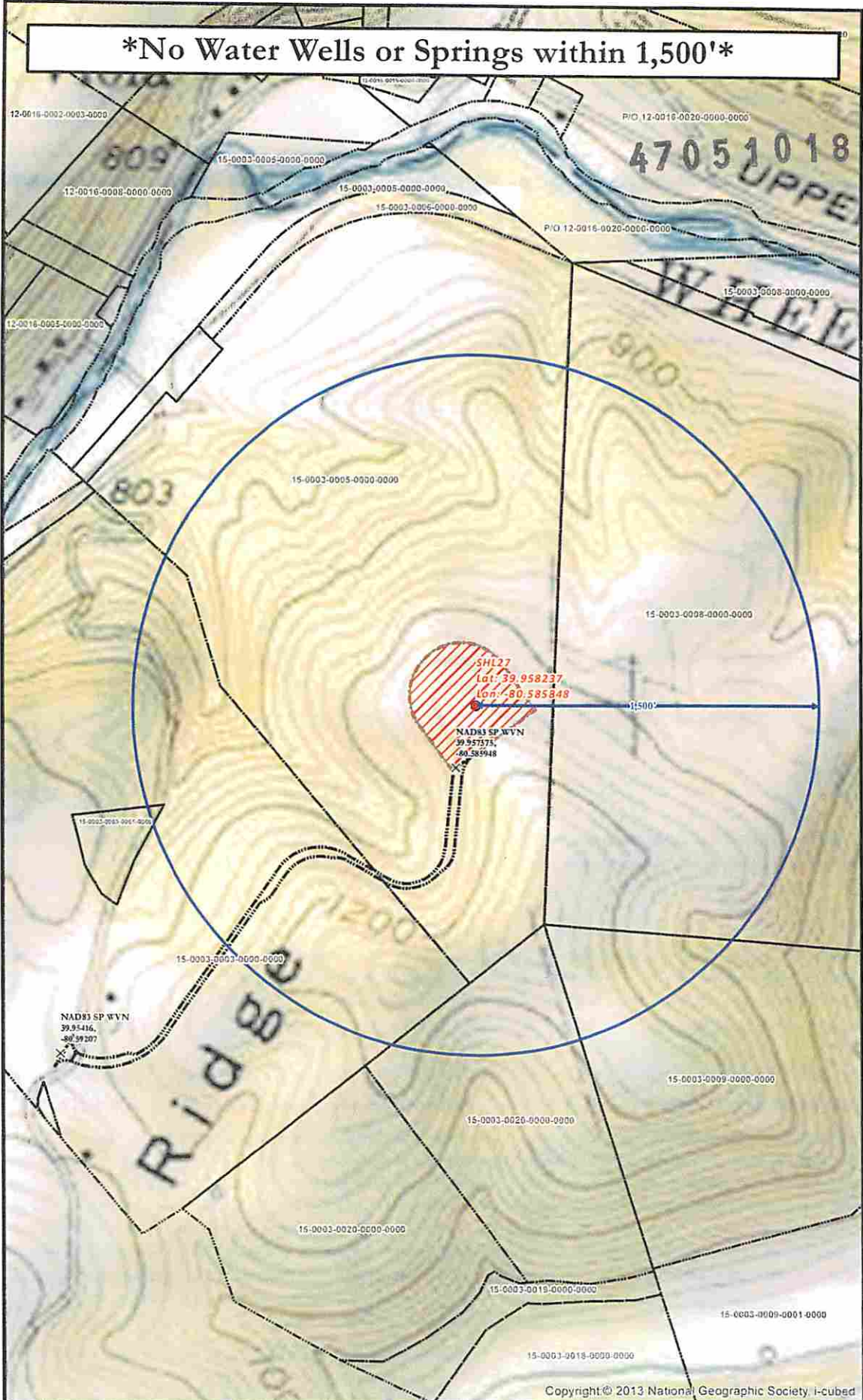
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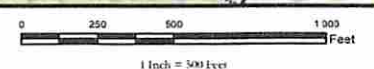
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**\*No Water Wells or Springs within 1,500'\***



**SHL 27 SITE SAFETY PLAN**  
- SITE WELL LOCATION -



- Well Pad
- Spring
- Water Veil
- Intersection
- Access Road
- 1,500' Water Well Buffer
- Well Pad Boundary
- Surface Parcels (Revised)

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: 12/9/2014  
Author:  
Christopher Zimler  
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