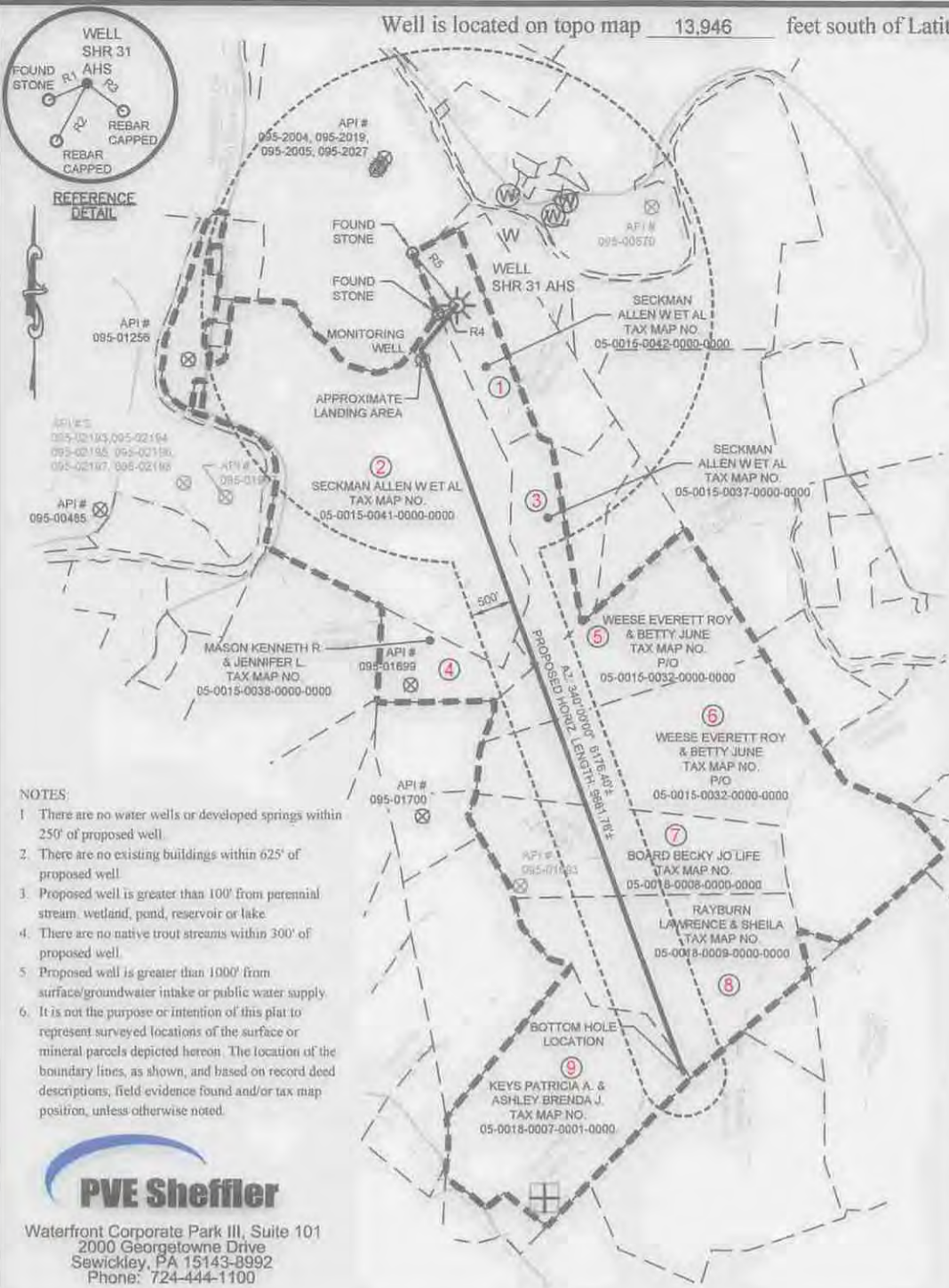


Well is located on topo map 13,946 feet south of Latitude: 39° 27' 30"

Well is located on topo map 8,507

feet west of Longitude: 80° 47' 30"



**SURFACE HOLE LOCATION (SHL)**  
 UTM 17 - NAD83  
 N: 4363410.068  
 E: 515341.662  
 NAD27 WV NORTH  
 N: 337829.944  
 E: 1626550.018  
 LAT/LON DATUM-NAD83  
 LAT: 39.420079  
 LON: -80.821769

**APPROX. LANDING POINT**  
 UTM 17 - NAD83  
 N: 4363241.690  
 E: 515218.459  
 NAD27 WV NORTH  
 N: 337284.170  
 E: 1626136.503  
 LAT/LON DATUM-NAD83  
 LAT: 39.418564  
 LON: -80.823204

**BOTTOM HOLE LOCATION**  
 UTM 17 - NAD83  
 N: 4360690.483  
 E: 516195.537  
 NAD27 WV NORTH  
 N: 328858.788  
 E: 1629203.090  
 LAT/LON DATUM-NAD83  
 LAT: 39.395558  
 LON: -80.811915

**LINE TABLE**

LINE	BEARING	DISTANCE
R1	N67°01'02"E	246.25'
R2	N28°00'00"E	382.37'
R3	N52°57'41"W	268.00'
R4	N67°01'02"E	246.25'
R5	S41°01'28"E	802.38'

**LEGEND**

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WMA1
- 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

**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.



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

FILE #: SHR 31 AHS  
 DRAWING #: SHR 31 AHS  
 SCALE: 1"=2000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE OF ELEVATION: USGS MONUMENT A.142-724.61'

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: *Robert Douglas Davidson*  
 R.P.E.: \_\_\_\_\_ L.L.S.: P.S. NO. 819

PLACE SEAL HERE

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



DATE: OCTOBER 30, 2014 REV NOVEMBER 4, 2014

OPERATOR'S WELL #: SHR 31 AHS

API WELL # 47 095 **02221**  
 STATE COUNTY PERMIT

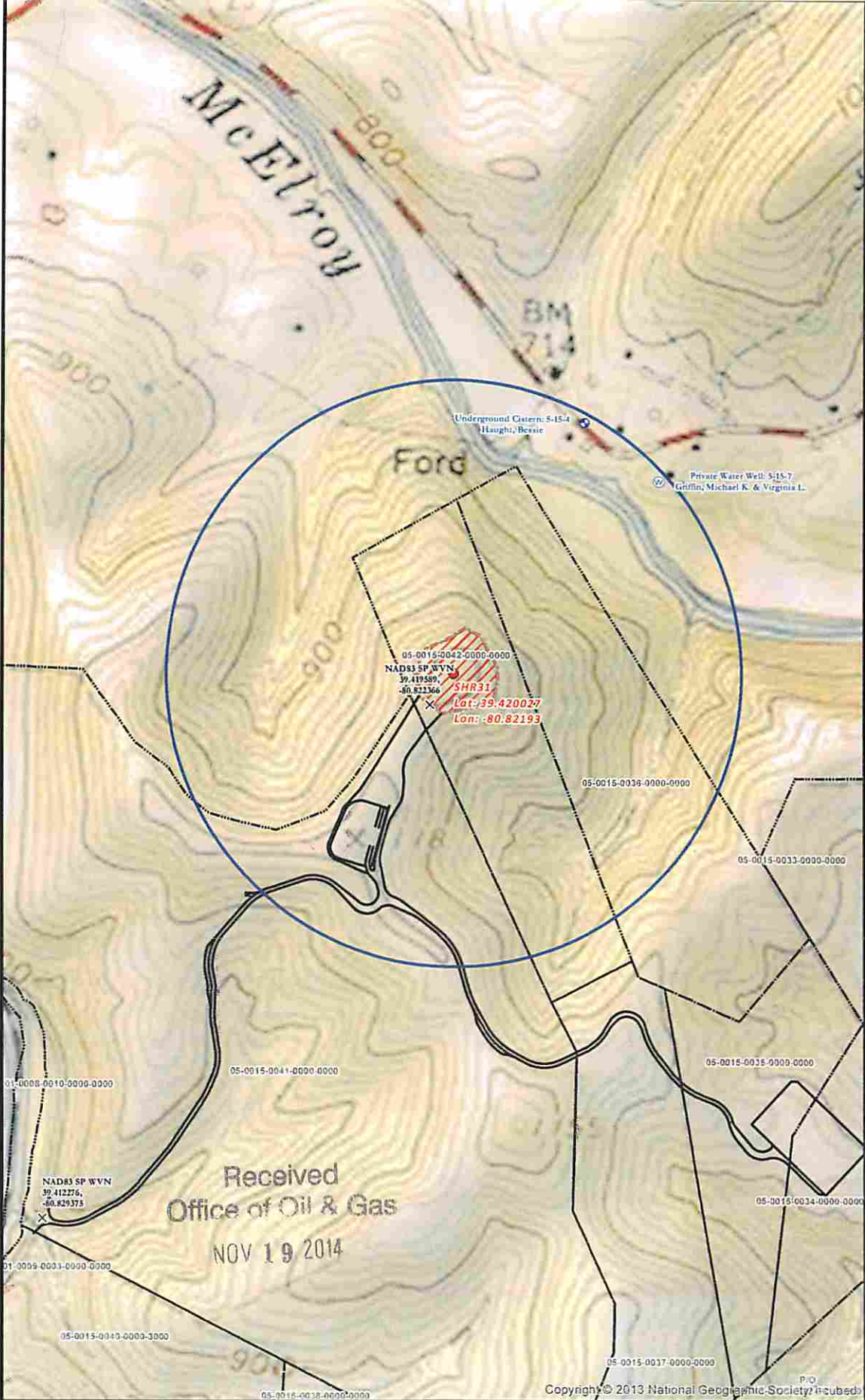
Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: McELROY CREEK ELEVATION: 1,111.0'  
 COUNTY/DISTRICT: TYLER / McELROY QUADRANGLE: SHIRELY, W. VA  
 SURFACE OWNER: ALLEN W. SECKMAN, ET AL. ACREAGE: 31.81  
 OIL & GAS ROYALTY OWNER: HEIRS OF J.M. BAKER, ET AL. ACREAGE: 31.81

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: 6,729' ± TMD: 16,413' ±  
 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

03/13/2015



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Office of Oil & Gas  
NOV 19 2014

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**SHR 31 SITE SAFETY PLAN**  
- WATER WELL PURVEYORS -


0 300 600 1200 Feet  
1 Inch = 600 Feet

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: 11/5/2014

Author:  
Christopher Glover

6/6