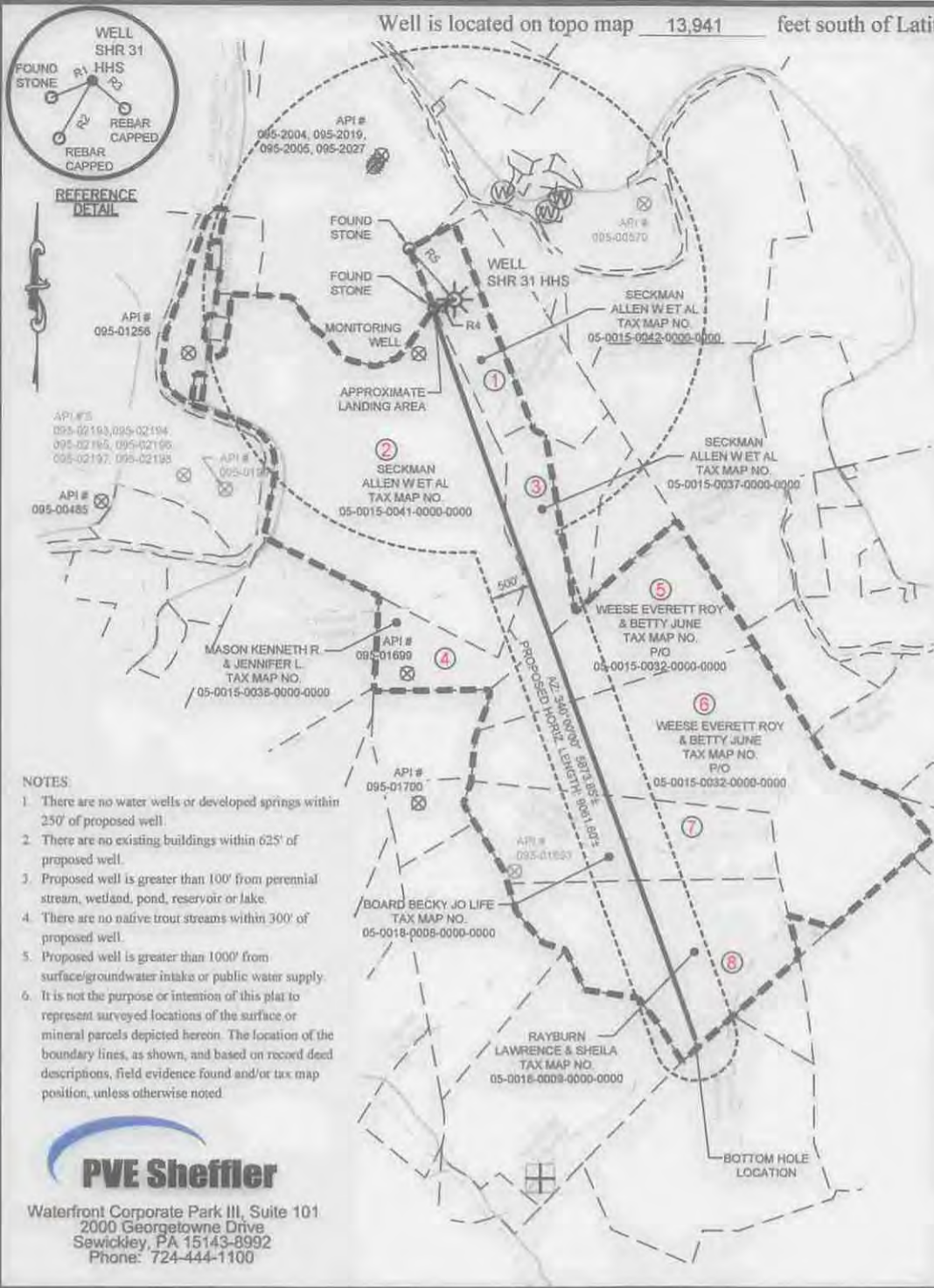


Well is located on topo map 13,941 feet south of Latitude: 39° 27' 30"

Well is located on topo map 8.487 Feet west of Longitude: 80° 47' 30"



SURFACE HOLE LOCATION (SHL)
 UTM 17 - NAD83
 N: 4363411.459
 E: 515347.595
 NAD27, WV NORTH
 N: 337834.184
 E: 1626569.563
 LAT/LON DATUM-NAD83
 LAT: 39.420092
 LON: -80.821700

APPROX. LANDING POINT
 UTM 17 - NAD83
 N: 4363335.668
 E: 515280.317
 NAD27, WV NORTH
 N: 337589.166
 E: 1626344.637
 LAT/LON DATUM-NAD83
 LAT: 39.419410
 LON: -80.822483

BOTTOM HOLE LOCATION
 UTM 17 - NAD83
 N: 4360757.270
 E: 516267.807
 NAD27, WV NORTH
 N: 329073.984
 E: 1629443.904
 LAT/LON DATUM-NAD83
 LAT: 39.396159
 LON: -80.811074

LINE TABLE

| LINE | BEARING | DISTANCE |
|------|-------------|----------|
| R1 | N67°40'14"E | 285.93' |
| R2 | N30°12'42"E | 385.58' |
| R3 | N48°33'33"W | 255.41' |
| R4 | N67°48'14"E | 285.93' |
| R5 | S42°15'40"E | 812.20' |

LEGEND

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WMAAT
- 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**
- 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 #: SHR 31 HHS
 DRAWING #: SHR 31 HHS
 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: *Charles Douglas Davidson*
 R.P.E.: L.L.S.: P.S. NO. 819



(+) 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 DECEMBER 1, 2014

OPERATOR'S WELL #: SHR 31 HHS *H6A*

API WELL # 47 095 *02219*

STATE COUNTY PERMIT

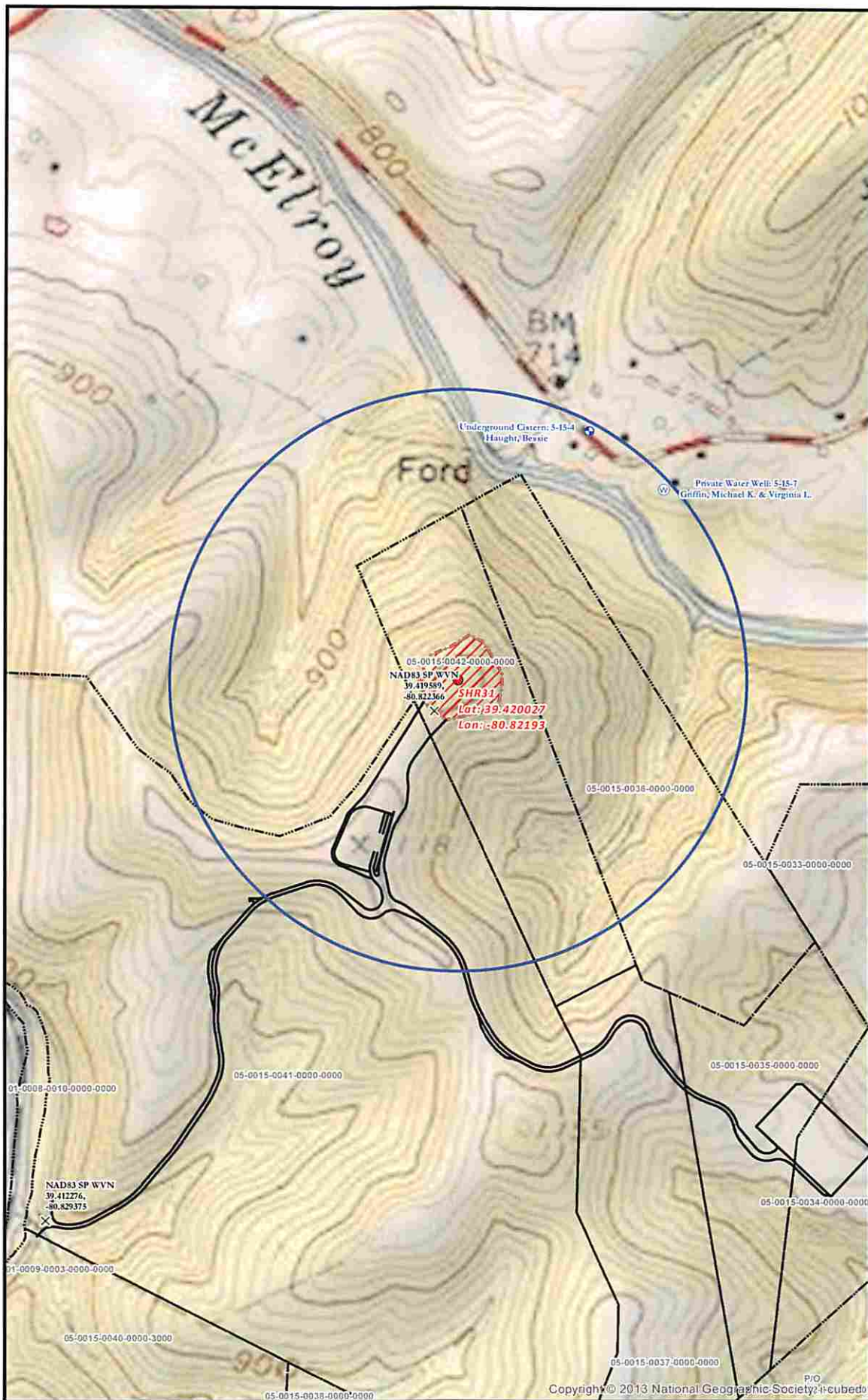
Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

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

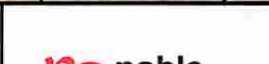
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION: BURKETT / MARCELLUS ESTIMATED DEPTH: TVD: 6,729' ± TMD: 16,509' ±
 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



SHR 31 SITE SAFETY PLAN
- WATER WELL PURVEYORS -



Date: 11/5/2014
 Author:
 Christopher Glover

- Well Pad
- Cistern
- Water Well
- Intersection
- Access Road
- 1500' Water Well Buffer
- Well Pad Boundary
- Surface Parcels (Reserved)

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.



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