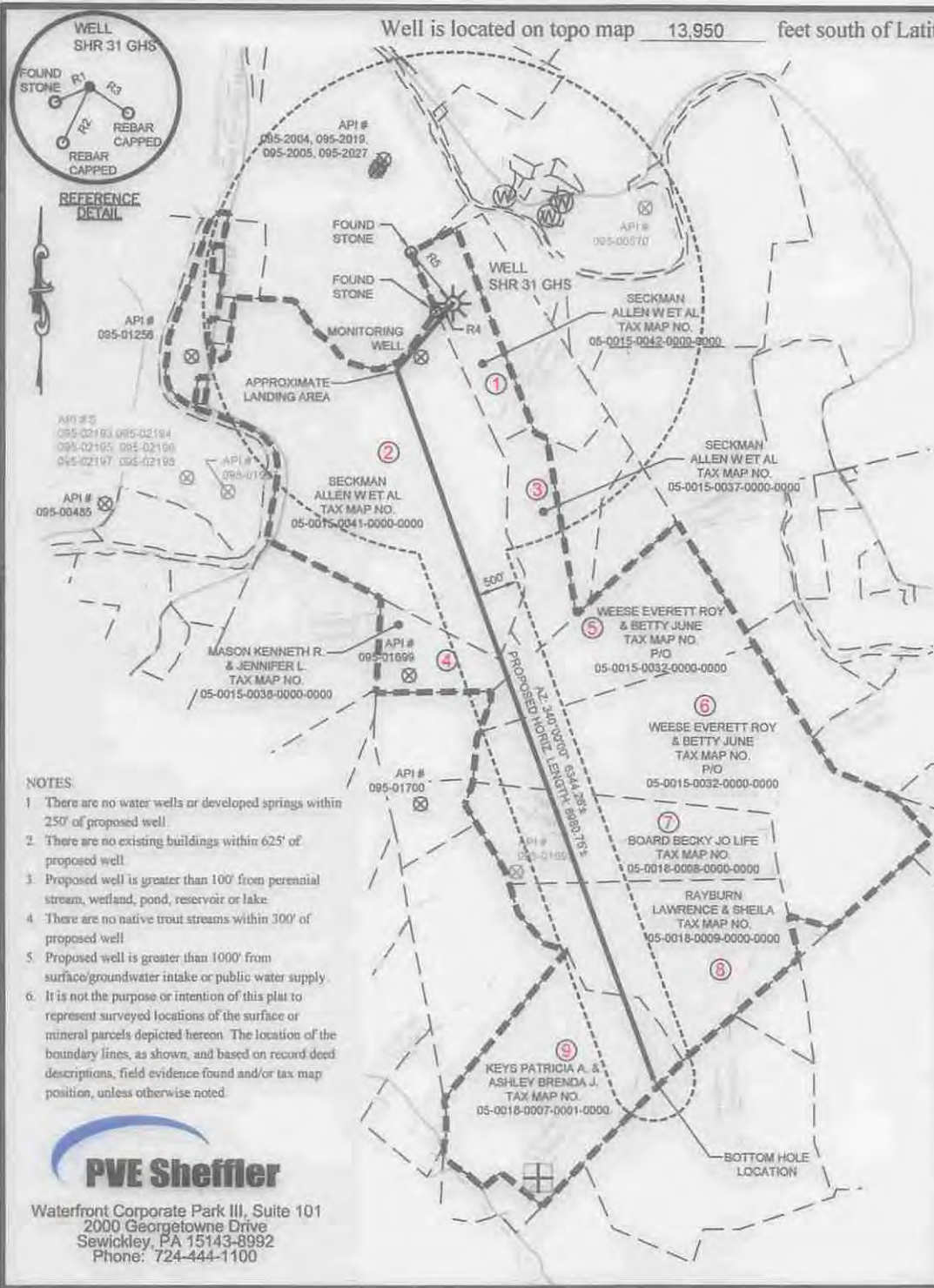


Well is located on topo map 13,950 feet south of Latitude: 39° 27' 30"

Well is located on topo map 8,529 feet west of Longitude: 80° 47' 30"



SURFACE HOLE LOCATION (SH1)

UTM 17 - NAD83
 N: 4363408.677
 E: 515335.729
 NAD27, WV NORTH
 N: 337825.705
 E: 1626530.472
 LAT/LON DATUM-NAD83
 LAT: 39.420067
 LON: -80.821838

APPROX. LANDING POINT

UTM 17 - NAD83
 N: 4363159.968
 E: 515135.559
 NAD27, WV NORTH
 N: 337020.548
 E: 1625859.991
 LAT/LON DATUM-NAD83
 LAT: 39.417829
 LON: -80.824169

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4360604.577
 E: 516114.240
 NAD27, WV NORTH
 N: 328581.345
 E: 1628931.609
 LAT/LON DATUM-NAD83
 LAT: 39.394786
 LON: -80.812861

LINE TABLE

LINE	BEARING	DISTANCE
R1	N66°04'28"E	228.63'
R2	N25°38'01"E	389.77'
R3	N56°02'55"W	281.46'
R4	N66°04'28"E	228.63'
R5	S39°45'28"E	792.94'

LEGEND

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WVA1 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

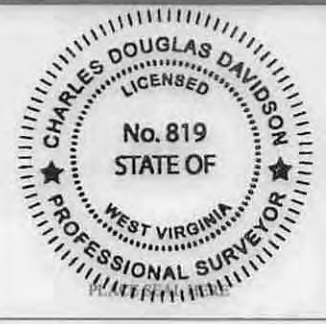
- NOTES**
- 1 There are no water wells or developed springs within 250' of proposed well.
 - 2 There are no existing buildings within 625' of proposed well.
 - 3 Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
 - 4 There are no native trout streams within 300' 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.

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

FILE #: SHR 31 GHS
 DRAWING #: SHR 31 GHS
 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 2, 2014

OPERATOR'S WELL #: SHR 31 GHS

API WELL # 47 095 02218
 STATE COUNTY PERMIT

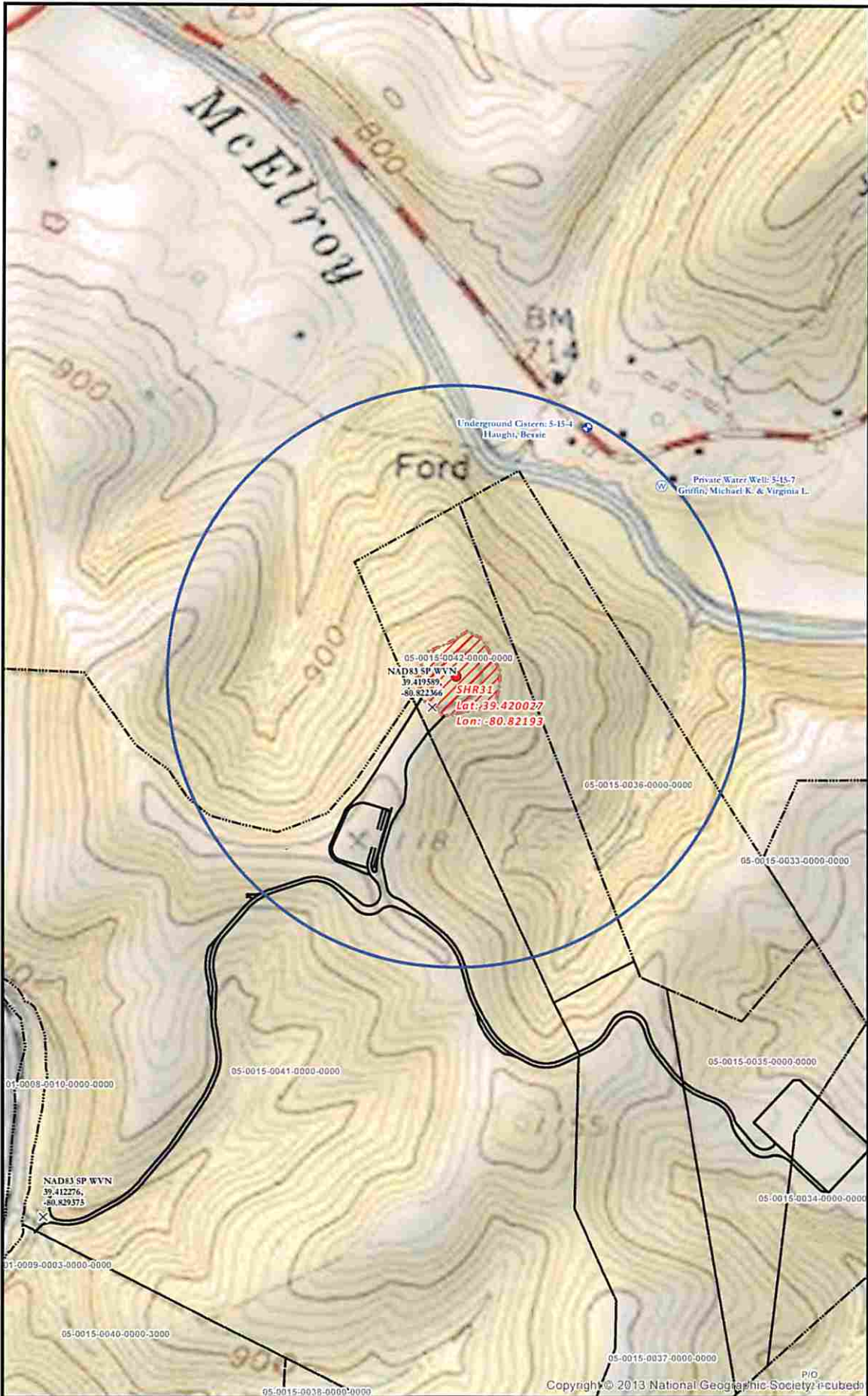
Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

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: 15,985' ±
 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 -

- Well Pad
- ⊙ Cistern
- ⊕ Water Well
- ✕ Intersection
- Access Road
- 1500' Water Well Buffer
- Well Pad Boundary
- Surface Parcel (Reserved)

0 300 600 1,200
 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

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