

Well is located on topo map 652 feet south of Latitude: 39° 25' 00"

Well is located on topo map 364 feet west of Longitude: 80° 50' 00"

REFERENCE DETAIL



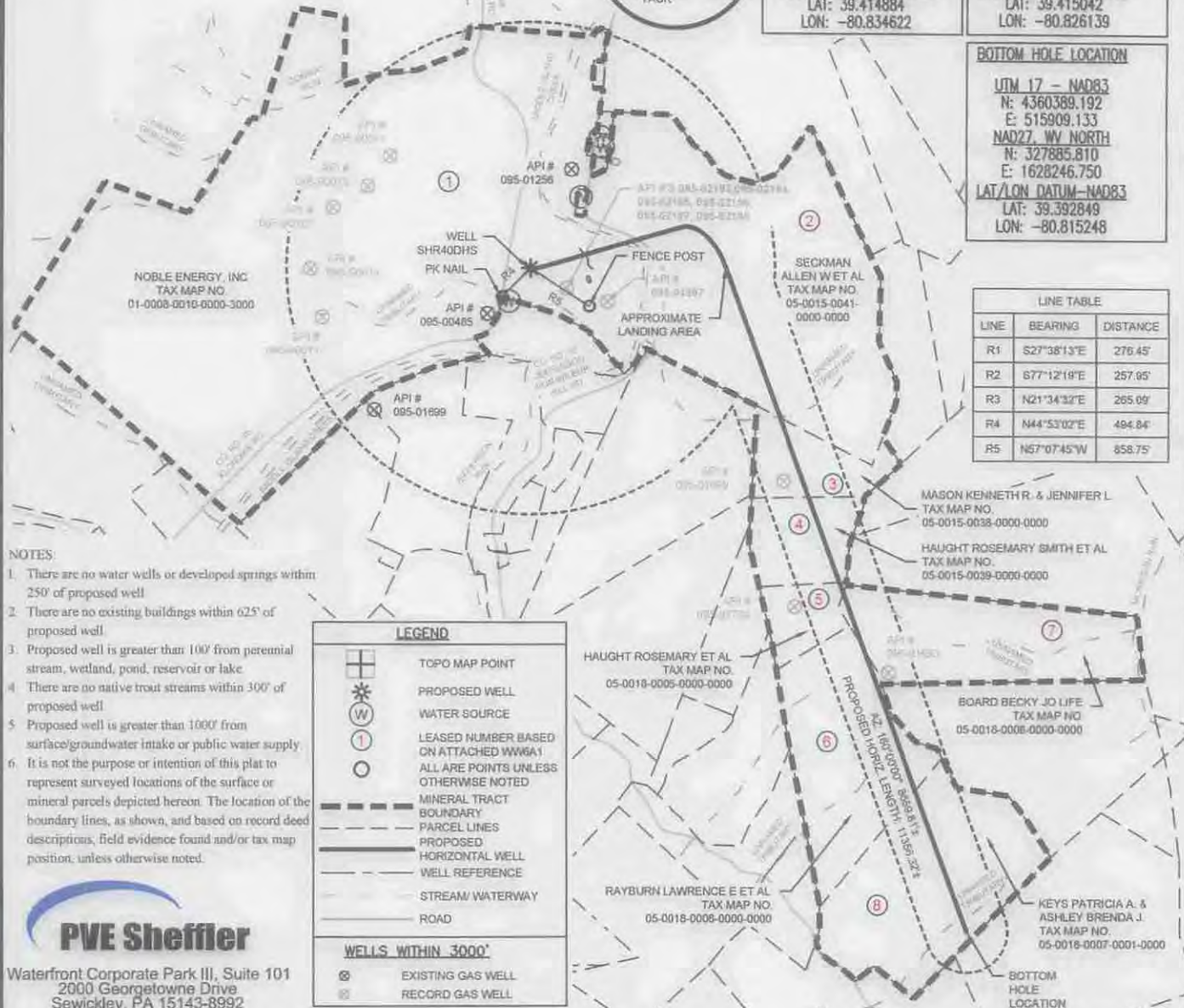
SURFACE HOLE LOCATION (SHL)
 UTM 17 - NAD83
 N: 4362831.426
 E: 514236.353
 NAD27, WV NORTH
 N: 335991.763
 E: 1622891.236
 LAT/LON DATUM-NAD83
 LAT: 39.414884
 LON: -80.834622

APPROX. LANDING POINT
 UTM 17 - NAD83
 N: 4362850.321
 E: 514966.551
 NAD27, WV NORTH
 N: 336013.710
 E: 1625288.430
 LAT/LON DATUM-NAD83
 LAT: 39.415042
 LON: -80.826139

BOTTOM HOLE LOCATION
 UTM 17 - NAD83
 N: 4360389.192
 E: 515909.133
 NAD27, WV NORTH
 N: 327885.810
 E: 1628246.750
 LAT/LON DATUM-NAD83
 LAT: 39.392849
 LON: -80.815248

LINE TABLE

LINE	BEARING	DISTANCE
R1	S27°38'13"E	276.45'
R2	S77°12'19"E	257.95'
R3	N21°34'32"E	265.09'
R4	N44°53'02"E	494.84'
R5	N67°07'45"W	858.75'



- 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.

LEGEND

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WWS&1
- 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

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

FILE #: SHR 40 DHS
 DRAWING #: SHR 40 DHS
 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 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

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

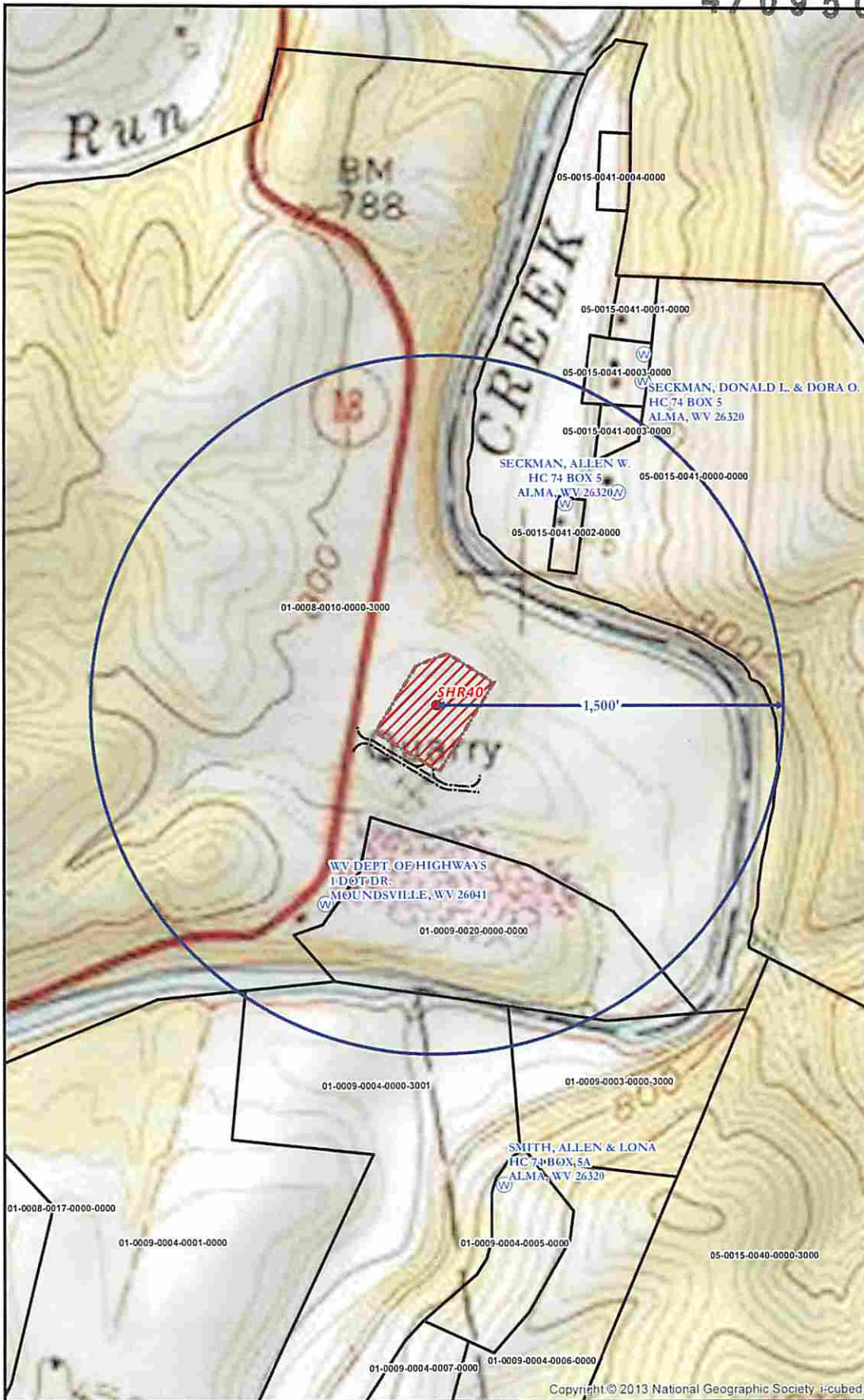
WATERSHED: MIDDLE ISLAND CREEK ELEVATION: 771'
 COUNTY/DISTRICT: CENTERVILLE / TYLER QUADRANGLE: SHIRLEY, W. VA
 SURFACE OWNER: NOBLE ENERGY, INC ACREAGE: 572.64
 OIL & GAS ROYALTY OWNER: DAVID L. MAPLE, ET AL ACREAGE: 357.43

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: 6,379' ± TMD: 16,079' ±
 WELL OPERATOR: NOBLE ENERGY, INC DESIGNATED AGENT: STEVEN M. GREEN
 Address: 333 TECHNOLOGY DRIVE, SUITE 118 Address: 500 VIRGINIA STREET EAST, UNITED CENTER SUITE 590
 City CANONSBURG State PA Zip Code 15317 City CHARLESTON State WV Zip Code 25301

DATE: SEPTEMBER 4, 2014
 OPERATOR'S WELL #: SHR 40 DHS
 API WELL # 47 095 *HOA 022/2*
 STATE COUNTY PERMIT

12/19/2014



<p>SHR 40 SITE SAFETY PLAN - SITE WELL LOCATION -</p>		<p>0 250 500 1,000 Feet</p> <p>1 Inch = 500 Feet</p>	<p>Date: 9/9/2014</p> <p>Author: Christopher Glover</p>
<p>● Well Pad</p> <p>○ Water Well</p> <p>— Access Road</p>	<p>▭ Surface Parcels</p> <p>▭ Water Wells Buffer</p> <p>▭ Well Pad Boundary</p>	<p>Projection: NAD 1927 StatePlane West Virginia North FIPS 4701 Units: Foot US</p> <p>noble energy</p>	<p>6</p> <p>6</p>
<p>**Disclaimer: All data is licensed for use by Noble Energy Inc. use only.**</p>			