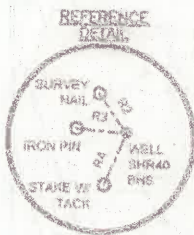


Well is located on topo map 618 feet south of Latitude: 39° 26' 00"

Well is located on topo map 343

feet West of Longitude: 80° 50' 00"



**SURFACE HOLE LOCATION (SHL)**

UTM 17 - NAD83  
 N: 4362841.090  
 E: 514242.601  
 NAD27, WV NORTH  
 N: 336825.757  
 E: 1622912.312  
**LAT/LON DATUM-NAD83**  
 LAT: 39.414976  
 LON: -80.634519

**APPROX. LANDING POINT**

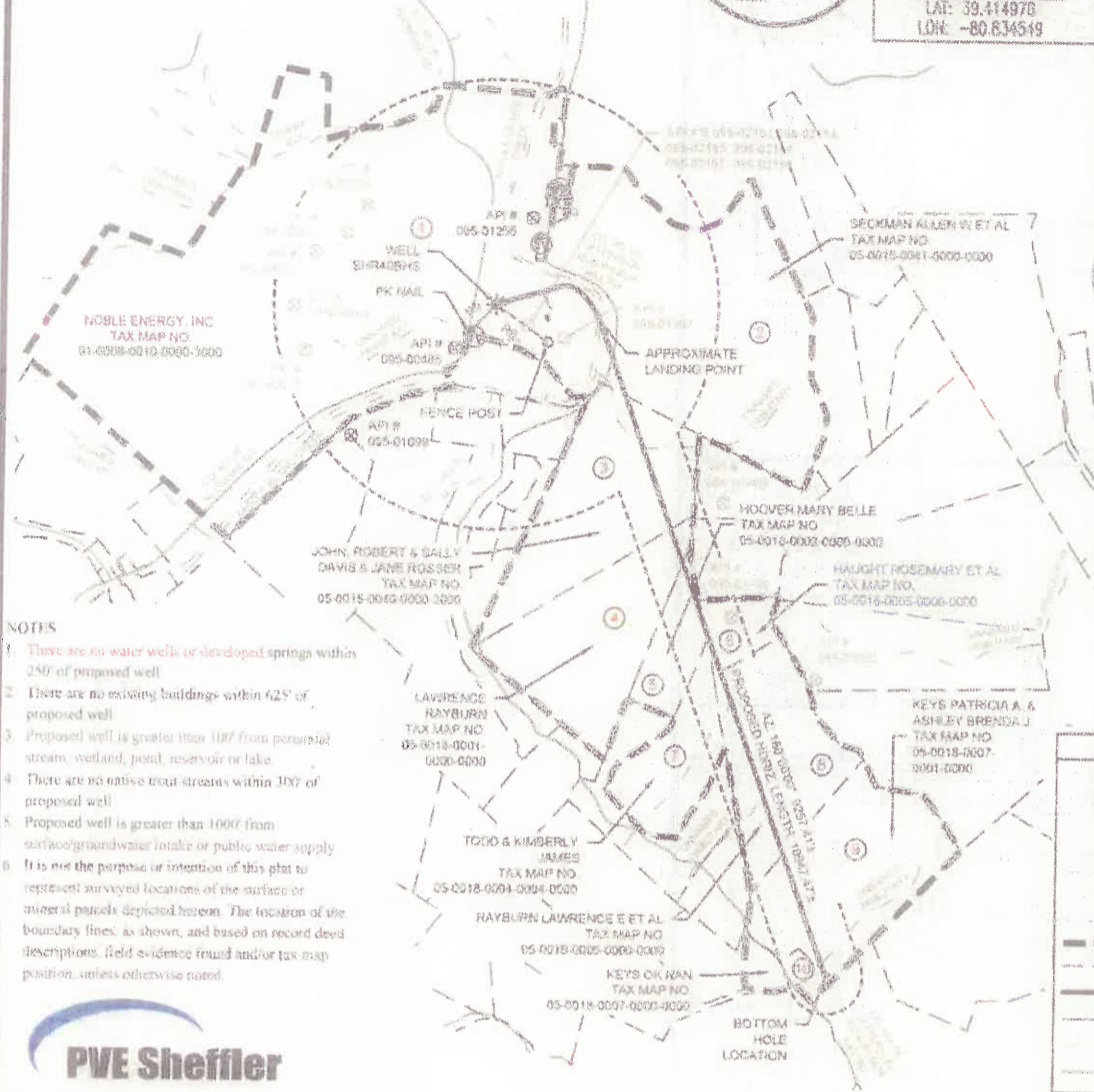
UTM 17 - NAD83  
 N: 4362778.266  
 E: 514671.254  
 NAD27, WV NORTH  
 N: 335793.460  
 E: 1624315.460  
**LAT/LON DATUM-NAD83**  
 LAT: 39.414398  
 LON: -80.629571

**BOTTOM HOLE LOCATION**

UTM 17 - NAD83  
 N: 4380144.151  
 E: 515680.094  
 NAD27, WV NORTH  
 N: 327094.270  
 E: 1627481.700  
**LAT/LON DATUM-NAD83**  
 LAT: 39.390945  
 LON: -80.617914

**LINE TABLE**

LINE	BEARING	DISTANCE
R2	S35°20'52"E	258.29'
R3	S85°12'03"E	272.70'
R4	N22°54'59"E	304.80'
R5	N43°54'28"E	934.12'
R6	N54°28'52"W	880.46'



- 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 herein. 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 Georgetown Drive  
 Sevinckley, PA 15143-8802  
 Phone: 724-444-1100

**LEGEND**

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

FILE #: SHR 40 BHS  
 DRAWING #: SHR 40 BHS  
 SCALE: 1"=2500'  
 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. \_\_\_\_\_

(+) 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  
 WELL OPERATOR: NOBLE ENERGY, INC  
 Address: 335 TECHNOLOGY DRIVE, SUITE 115  
 City: CANONSBURG State: PA Zip Code: 15317



DATE: SEPTEMBER 4, 2014  
 OPERATOR'S WELL #: SHR 40 BHS  
 API WELL # 47 095 **116A 01204**  
 STATE COUNTY PERMIT

ESTIMATED DEPTH: TVD 6,379' ± TMD 16,332' ±  
 DESIGNATED AGENT: STEVEN M GREEN  
 Address: 500 VIRGINIA STREET EAST, UNITED CENTER SUITE 590  
 City: CHARLESTON State: WV Zip Code: 26301