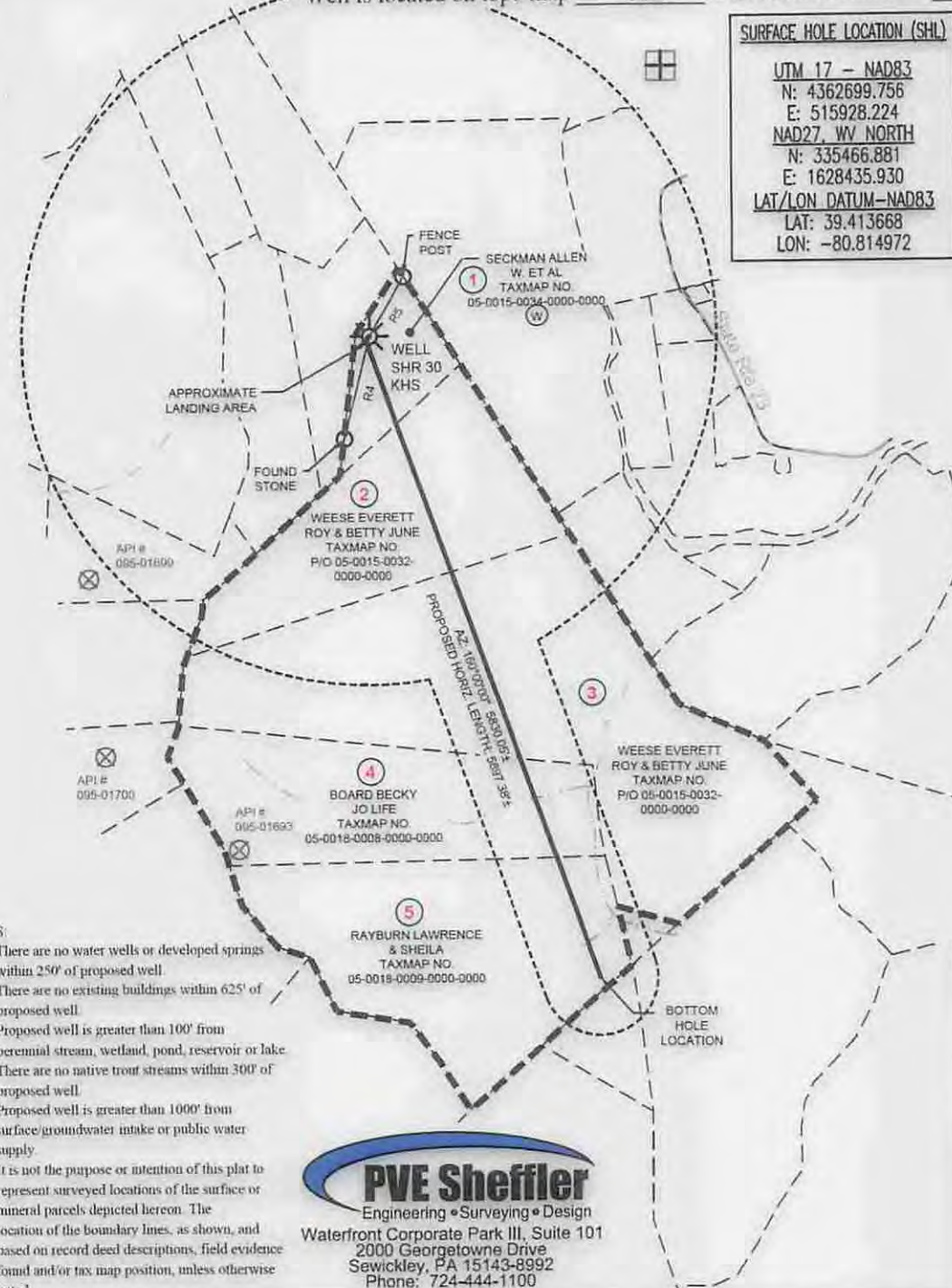


Well is located on topo map 6598

feet west of Longitude: 80° 47' 30"



**SURFACE HOLE LOCATION (SHL)**

UTM 17 - NAD83  
 N: 4362699.756  
 E: 515928.224  
 NAD27, WV NORTH  
 N: 335466.881  
 E: 1628435.930  
 LAT/LON DATUM-NAD83  
 LAT: 39.413668  
 LON: -80.814972

**APPROX. LANDING POINT**

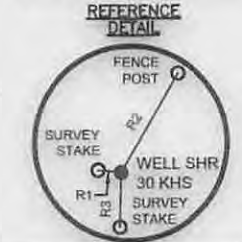
UTM 17 - NAD83  
 N: 4362681.689  
 E: 515922.248  
 NAD27, WV NORTH  
 N: 335407.924  
 E: 1628415.331  
 LAT/LON DATUM-NAD83  
 LAT: 39.413506  
 LON: -80.815041

**BOTTOM HOLE LOCATION**

UTM 17 - NAD83  
 N: 4361022.799  
 E: 516557.579  
 NAD27, WV NORTH  
 N: 329929.424  
 E: 1630409.336  
 LAT/LON DATUM-NAD83  
 LAT: 39.398546  
 LON: -80.807702

**LINE TABLE**

LINE	BEARING	DISTANCE
R1	N83°48'48"W	119.56'
R2	N29°54'15"E	593.83'
R3	S01°06'57"W	281.06'
R4	S13°59'37"W	901.98'
R5	N29°54'15"E	593.83'



**LEGEND**

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WVB61
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD
- 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**  
 Engineering • Surveying • Design  
 Waterfront Corporate Park III, Suite 101  
 2000 Georgetowne Drive  
 Sewickley, PA 15143-8992  
 Phone: 724-444-1100

FILE #: SHR 30 KHS  
 DRAWING #: SHR 30 KHS  
 SCALE: 1"=1500'  
 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: *[Signature]*  
 R.P.E.: 18766 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: McELROY CREEK  
 COUNTY/DISTRICT: McELROY / TYLER  
 SURFACE OWNER: ALLEN W. SECKMAN, ET AL.  
 OIL & GAS ROYALTY OWNER: ALLEN W. SECKMAN, ET AL.

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 / BURKETT  
 WELL OPERATOR: NOBLE ENERGY, INC.  
 Address: 333 TECHNOLOGY DRIVE, SUITE 116  
 City CANONSBURG State PA Zip Code 15317

DATE: DECEMBER 30, 2014 - REV. JANUARY 7, 2015

OPERATOR'S WELL #: SHR 30 KHS

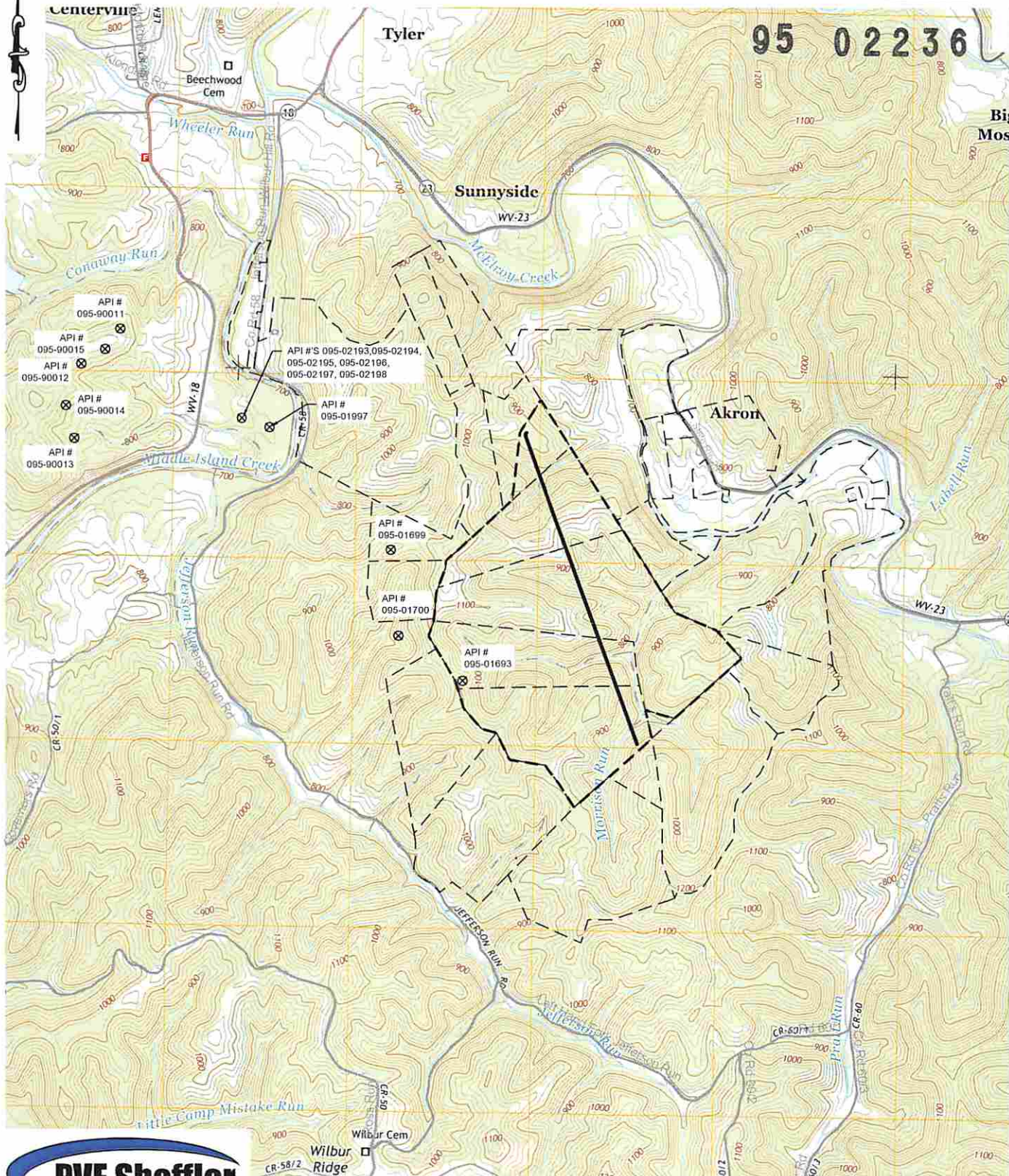
API WELL # 47 095 *2336*  
 STATE COUNTY PERMIT **02236**

ELEVATION: 920.24  
 QUADRANGLE: SHIRLEY, W. VA  
 ACREAGE: 20.02  
 ACREAGE: 20.02

ESTIMATED DEPTH: TVD: 6,568' ± TMD: 13,278' ±  
 DESIGNATED AGENT: STEVEN M. GREEN  
 Address: 500 VIRGINIA STREET EAST, UNITED CENTER SUITE 590  
 City CHARLESTON State WV Zip Code 25301

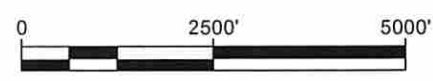


Well is located on topo map 1094 feet south of Latitude: 39° 25' 00"



Well is located on topo map 6588 feet west of Longitude: 80° 47' 30"

**PVE Sheffler**  
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 Waterfront Corporate Park III, Suite 101  
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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WVDEP  
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 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: DECEMBER 30, 2014 - REV. JANUARY 7, 2015

OPERATOR'S WELL #: SHR 30 KHS

API WELL # 47 095  
 STATE CO COUNTY PERMIT

RECEIVED  
 Office of Oil and Gas  
 JAN 26 2015

WV Department of  
 Environmental Protection

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

WATERSHED: McELROY CREEK ELEVATION: 920.24  
 COUNTY/DISTRICT: McELROY / TYLER QUADRANGLE: SHIRLEY, W. VA  
 SURFACE OWNER: ALLEN W. SECKMAN, ET AL. ACREAGE: 20.02  
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DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
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TARGET FORMATION: MARCELLUS / BURKETT ESTIMATED DEPTH: TVD: 6,568' ± TMD: 13,278' ±  
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 City CANONSBURG State PA Zip Code 15317 City CHARLESTON State WV Zip Code 25301

04/17/2015