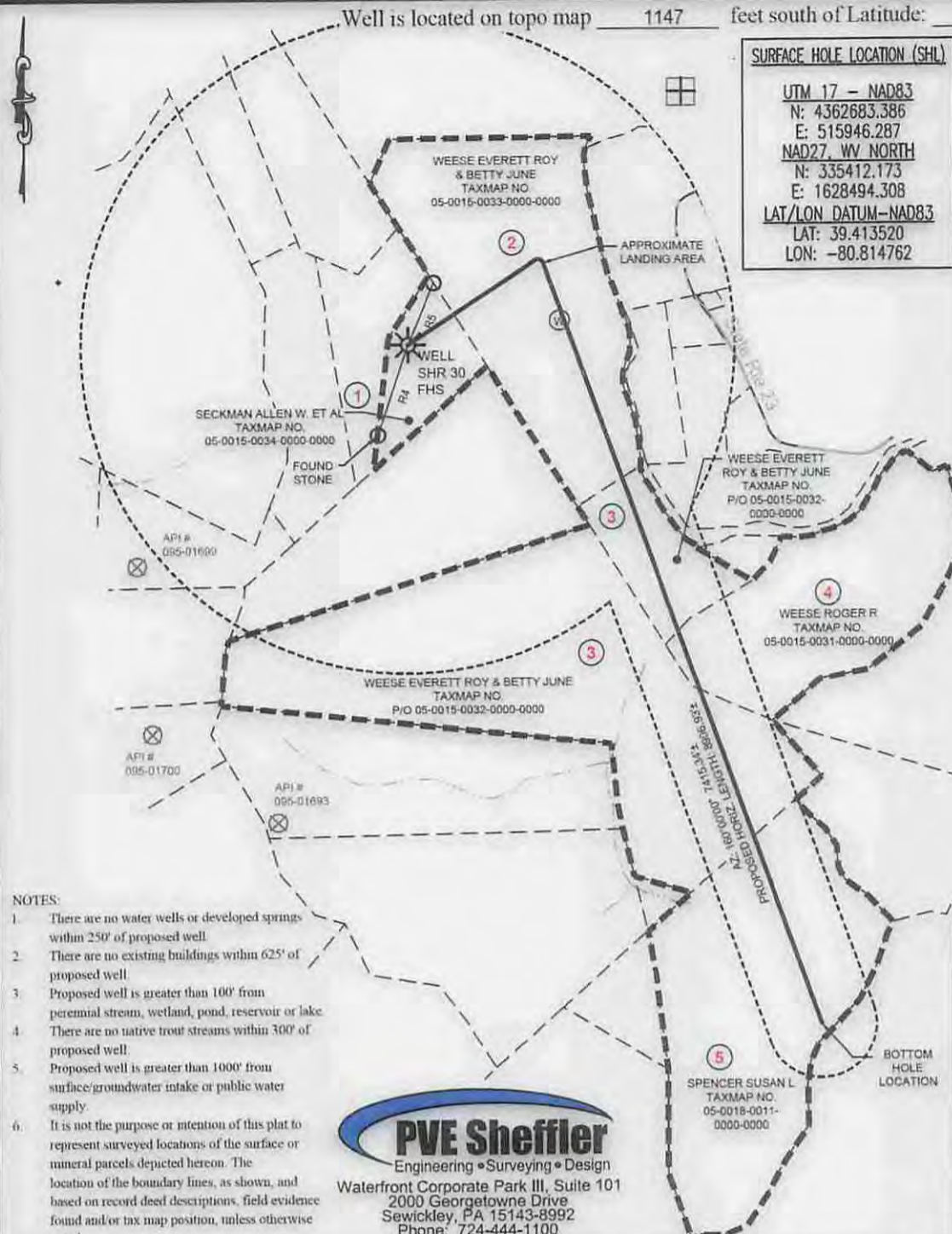


Well is located on topo map 1147 feet south of Latitude: 39° 25' 00"



**SURFACE HOLE LOCATION (SHL)**

UTM 17 - NAD83  
 N: 4362683.386  
 E: 515946.287  
 NAD27, WV NORTH  
 N: 335412.173  
 E: 1628494.308  
 LAT/LON DATUM-NAD83  
 LAT: 39.413520  
 LON: -80.814762

**APPROX. LANDING POINT**

UTM 17 - NAD83  
 N: 4362916.708  
 E: 516321.591  
 NAD27, WV NORTH  
 N: 336157.232  
 E: 1629738.650  
 LAT/LON DATUM-NAD83  
 LAT: 39.415616  
 LON: -80.810397

**BOTTOM HOLE LOCATION**

UTM 17 - NAD83  
 N: 4360806.735  
 E: 517129.676  
 NAD27, WV NORTH  
 N: 329189.033  
 E: 1632274.853  
 LAT/LON DATUM-NAD83  
 LAT: 39.396588  
 LON: -80.801064

**LINE TABLE**

LINE	BEARING	DISTANCE
R1	N69°07'31"W	189.70'
R2	N27°18'08"E	581.58'
R3	S15°45'24"W	235.13'
R4	S18°37'21"W	865.84'
R5	N22°39'13"E	617.08'



**LEGEND**

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WW&A1
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/ WATERWAY
- ROAD
- 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**  
 Engineering • Surveying • Design  
 Waterfront Corporate Park III, Suite 101  
 2000 Georgetowne Drive  
 Sewickley, PA 15143-8992  
 Phone: 724-444-1100

FILE #: SHR 30 FHS  
 DRAWING #: SHR 30 FHS  
 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

DATE: DECEMBER 30, 2014 - REV JANUARY 7, 2015  
 OPERATOR'S WELL #: SHR 30 FHS  
 API WELL # 47 095 02234  
 STATE COUNTY PERMIT

WATERSHED: McELROY CREEK ELEVATION: 920.31  
 COUNTY/DISTRICT: McELROY / TYLER QUADRANGLE: SHIRLEY, W. VA  
 SURFACE OWNER: ALLEN W. SECKMAN, ET AL. ACREAGE: 20.02  
 OIL & GAS ROYALTY OWNER: ALLEN W. SECKMAN, ET AL. ACREAGE: 20.02

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

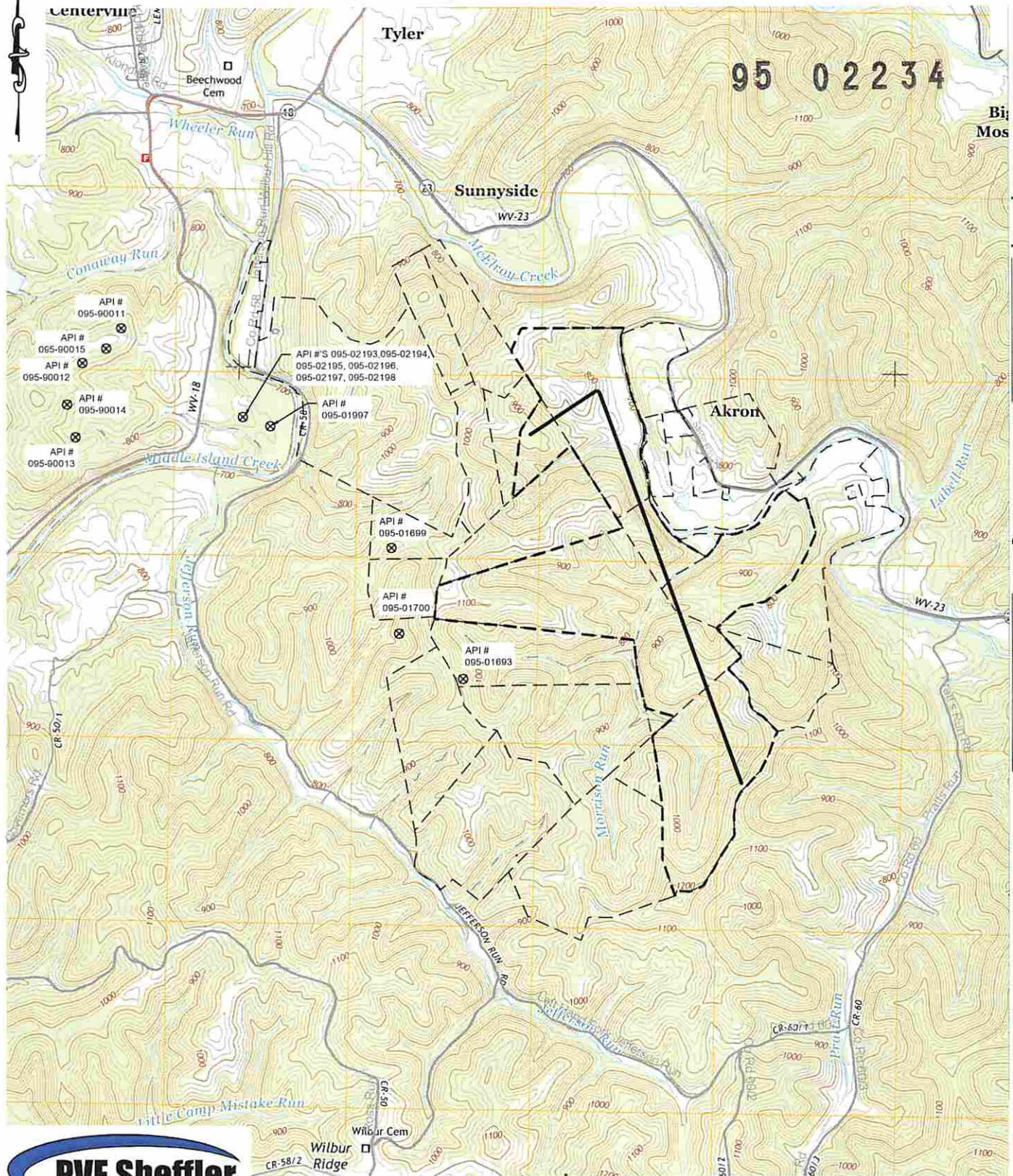
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,568' ± TMD: 14,863' ±  
 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

04/17/2015

Well is located on topo map 1147 feet south of Latitude: 39° 25' 00"

Well is located on topo map 6528 feet west of Longitude: 80° 47' 30"



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Received  
 Office of Oil & Gas

JAN 26 2015



(+) DENOTES LOCATION OF  
 WELL ON UNITED STATES  
 TOPOGRAPHIC MAPS  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



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

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API WELL # 47 095  
 STATE COUNTY PERMIT

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