

Well is located on topo map 1067 feet south of Latitude: 39° 25' 00"

Well is located on topo map 6618 feet west of Longitude: 80° 47' 30"

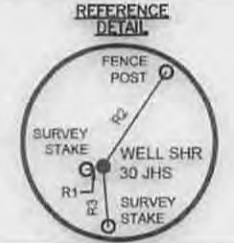
SURFACE HOLE LOCATION (SHL)
 UTM 17 - NAD83
 N: 4362707.931
 E: 515918.884
 NAD27, WV NORTH
 N: 335494.220
 E: 1628405.729
 LAT/LON DATUM-NAD83
 LAT: 39.413742
 LON: -80.815080

APPROX. LANDING POINT
 UTM 17 - NAD83
 N: 4362589.330
 E: 515761.887
 NAD27, WV NORTH
 N: 335113.641
 E: 1627884.046
 LAT/LON DATUM-NAD83
 LAT: 39.412676
 LON: -80.816906

BOTTOM HOLE LOCATION
 UTM 17 - NAD83
 N: 4360890.034
 E: 516412.693
 NAD27, WV NORTH
 N: 329501.704
 E: 1629926.620
 LAT/LON DATUM-NAD83
 LAT: 39.397352
 LON: -80.809388

LINE TABLE

LINE	BEARING	DISTANCE
R1	S80°44'35"W	89.84'
R2	N33°47'45"E	586.54'
R3	S04°35'07"E	309.33'
R4	S12°53'44"W	911.88'
R5	N31°47'48"E	589.58'



LEGEND

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WVG61
- 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 JHS
 DRAWING #: SHR 30 JHS
 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 ELEVATION: 921.02
 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

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

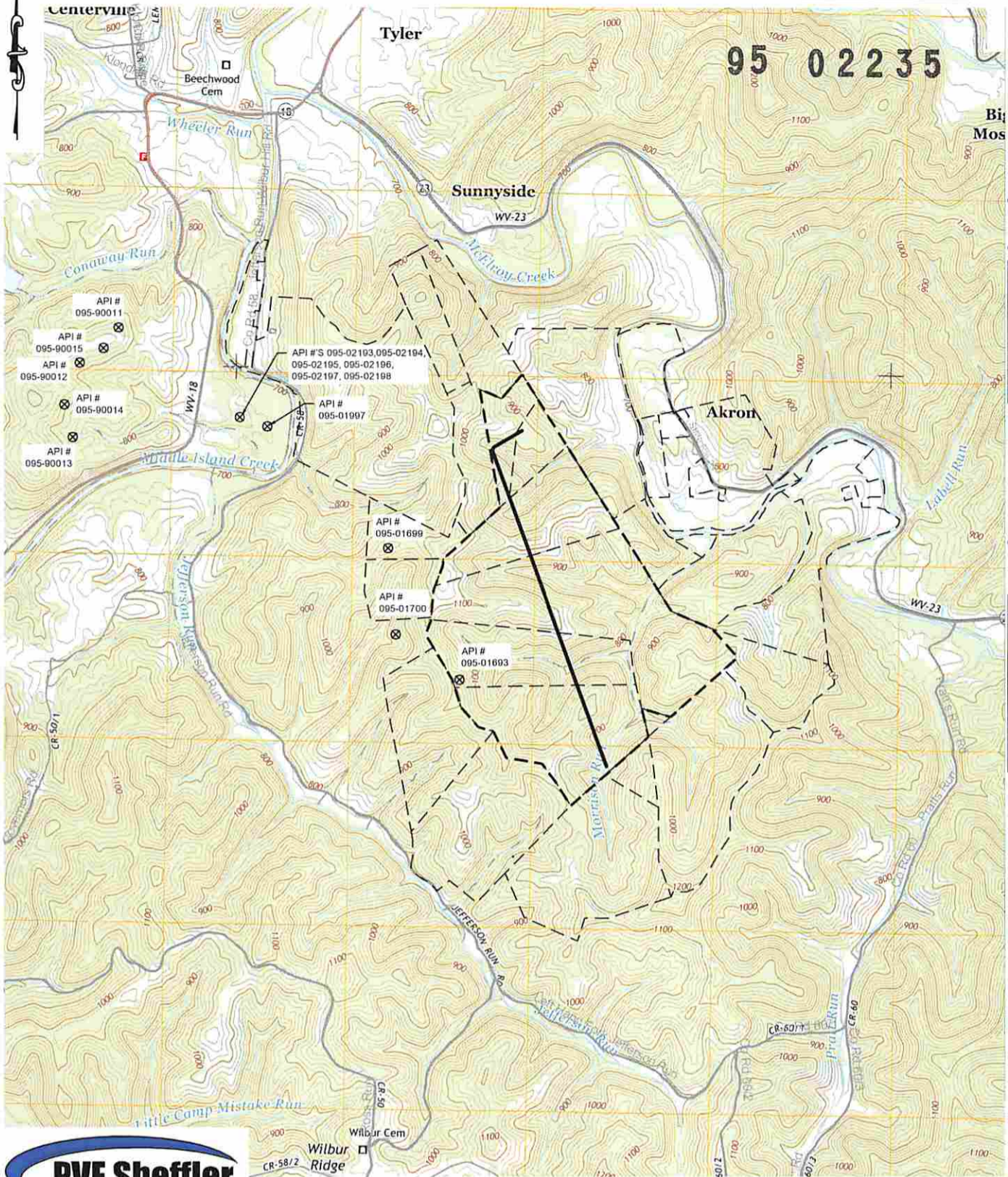
OPERATOR'S WELL #: SHR 30 JHS 116A
 API WELL # 47 095 02235
 STATE COUNTY PERMIT

ESTIMATED DEPTH: TVD: 6,568' ± TMD: 13,420' ±
 DESIGNATED AGENT: STEVEN M. GREEN
 Address: 500 VIRGINIA STREET EAST, UNITED CENTER SUITE 590
 City CHARLESTON State WV Zip Code 25301

04/17/2015

Well is located on topo map 1067 feet south of Latitude: 39° 25' 00"

Well is located on topo map 6618 feet west of Longitude: 80° 47' 30"



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



(+) 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 JHS

API WELL # 47 095

STATE COUNTY PERMIT
RECEIVED
 Office of Oil and Gas

JAN 20 2015

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

WATERSHED: McELROY CREEK ELEVATION: 921.02
 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

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 ESTIMATED DEPTH: TVD: 6,568' ± TMD: 13,420' ±
 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