

**LEGEND**

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WW6A1
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED LINES
- HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD
- COUNTY LINE

**WATER WELLS:**  
NONE FOUND

**SURFACE HOLE LOCATION (SHL)**

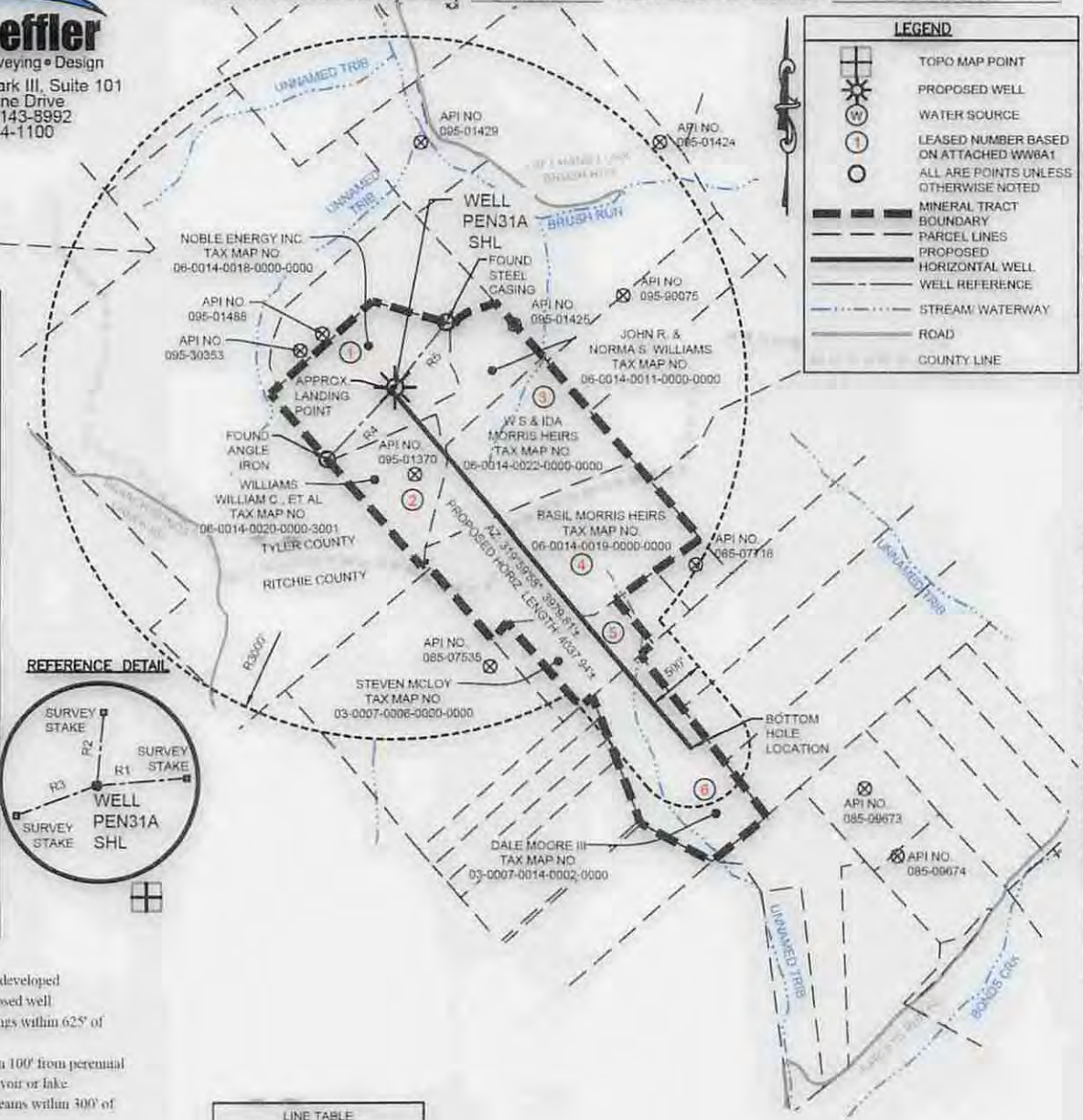
UTM 17 - NAD83  
N: 4355174.392  
E: 500240.759  
NAD27, WV NORTH  
N: 311633.008  
E: 1576544.770  
LAT/LON DATUM-NAD83  
LAT: 39.34600604  
LON: -80.99720595

**APPROX. LANDING POINT**

UTM 17 - NAD83  
N: 4355166.949  
E: 500232.289  
NAD27, WV NORTH  
N: 311609.050  
E: 1576516.567  
LAT/LON DATUM-NAD83  
LAT: 39.34593898  
LON: -80.99730425

**BOTTOM HOLE LOCATION**

UTM 17 - NAD83  
N: 4354251.178  
E: 501027.155  
NAD27, WV NORTH  
N: 308560.299  
E: 1579074.775  
LAT/LON DATUM-NAD83  
LAT: 39.33768654  
LON: -80.98808110



LINE	BEARING	DISTANCE
R1	S85°19'19"W	512.76'
R2	S06°16'10"W	418.96'
R3	N69°42'41"E	484.12'
R4	N43°27'45"E	841.70'
R5	S38°34'39"W	699.84'

- 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.

FILE #: PEN31A

DRAWING #: PEN31A

SCALE: 1"=1500'

MINIMUM DEGREE OF ACCURACY: 1/2500

PROVEN SOURCE OF ELEVATION: USGS MONUMENT V 131: 772.87'

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: OUTLET MIDDLE ISLAND CREEK ELEVATION: 1111.37'

COUNTY DISTRICT: TYLER / MEADE QUADRANGLE: PENNSBORO, WV

SURFACE OWNER: NOBLE ENERGY INC. ACREAGE: 29.84 AC.

OIL & GAS ROYALTY OWNER: BARBARA & BUDDIE BUNNER, ET AL. ACREAGE: 29.84 AC.

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: 6,331+ TMD: 11,109+

WELL OPERATOR: NOBLE ENERGY, INC. DESIGNATED AGENT: JESSICA ALSOP

Address: 1000 NOBLE ENERGY DRIVE Address: 301 GOLDEN EAGLE DRIVE

City CANONSBURG State PA Zip Code 15317 City MORGANTOWN State WV Zip Code 26508

DATE: APRIL 10, 2015

OPERATOR'S WELL #: PEN31A

API WELL # 47 095 02252  
STATE COUNTY PERMIT

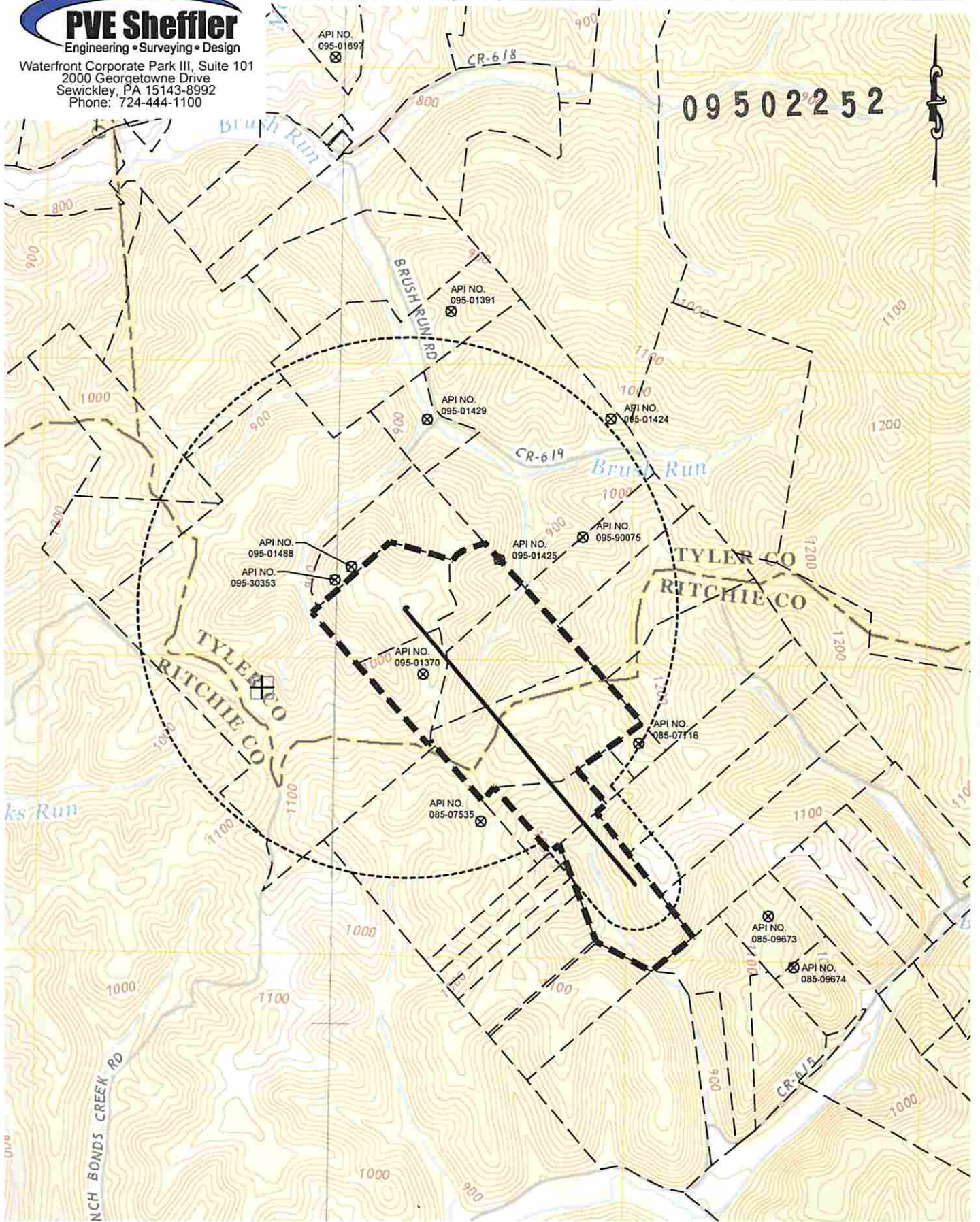
07/03/2015





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

Well is located on topo map 10,560 feet south of Latitude: 39° 22' 30"



Well is located on topo map 10,993 feet west of Longitude: 80° 57' 30"

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



DATE: APRIL 10, 2015

OPERATOR'S WELL #: PEN31A

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STATE COUNTY PERMIT

**Received**  
**Office of Oil & Gas**

APR 15 2015

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