

Well is located on topo map 10,530 feet south of I Latitude: 39° 22' 30"

Well is located on topo map 10,967 feet west of Longitude: 80° 57' 30"



SURFACE HOLE LOCATION (SHL)	
UTM 17 - NAD83	N: 4355183.681
	E: 500248.650
NAD27, WV NORTH	
	N: 311663.057
	E: 1576571.173
LAT/LON DATUM-NAD83	
	LAT: 39.34608974
	LONG: -80.99711437
APPROX. LANDING POINT	
UTM 17 - NAD83	N: 4355403.705
	E: 500510.857
NAD27, WV NORTH	
	N: 312370.680
	E: 1577443.675
LAT/LON DATUM-NAD83	
	LAT: 39.34807222
	LONG: -80.99407124
BOTTOM HOLE LOCATION	
UTM 17 - NAD83	N: 4353426.415
	E: 502227.086
NAD27, WV NORTH	
	N: 305787.965
	E: 1582967.215
LAT/LON DATUM-NAD83	
	LAT: 39.33025248
	LONG: -80.97416007

WATER WELLS:  
NONE FOUND

- 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

LINE	BEARING	DISTANCE
R1	S88°38'32"W	484.79'
R2	S01°47'11"W	387.33'
R3	N67°36'46"E	519.66'
R4	N43°21'52"E	881.68'
R5	S38°24'44"W	659.89'



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

FILE #: PEN31C  
DRAWING #: PEN31C  
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.

PLATE SEAL HERE

(+) 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 #: PEN31C  
API WELL # 47 095 02259HcA  
STATE: \_\_\_\_\_ COUNTY: \_\_\_\_\_ PERMIT: \_\_\_\_\_

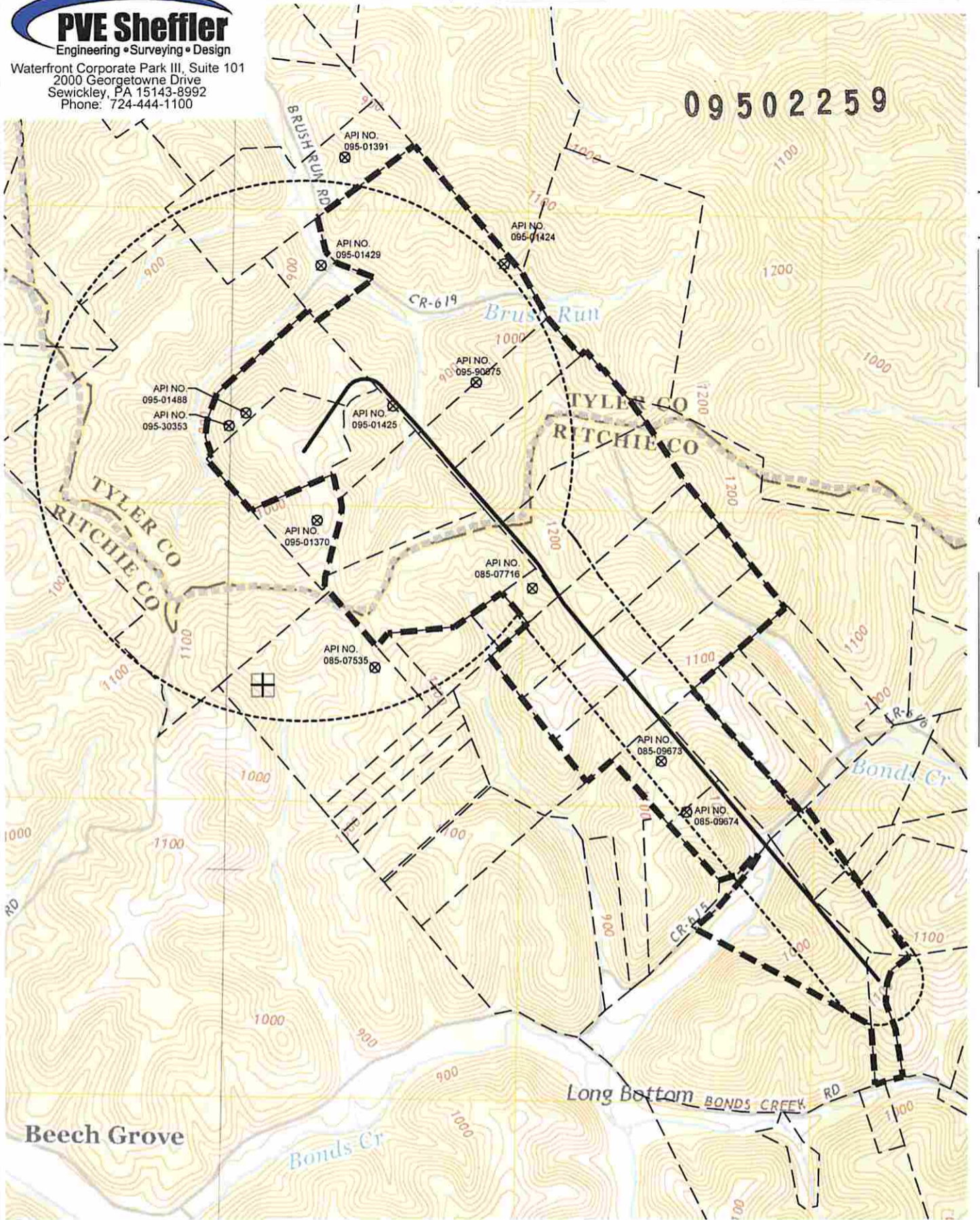
Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: OUTLET MIDDLE ISLAND CREEK ELEVATION: 1116.48'  
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: 15,721 ±  
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

07/03/2015



(+) 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 #: PEN31C  
 API WELL # 47 095  
 STATE COUNTY PERMIT

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

WATERSHED: OUTLET MIDDLE ISLAND CREEK ELEVATION: 1116.48'  
 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.

**07/03/2015**

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: 15,721 ±  
 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