



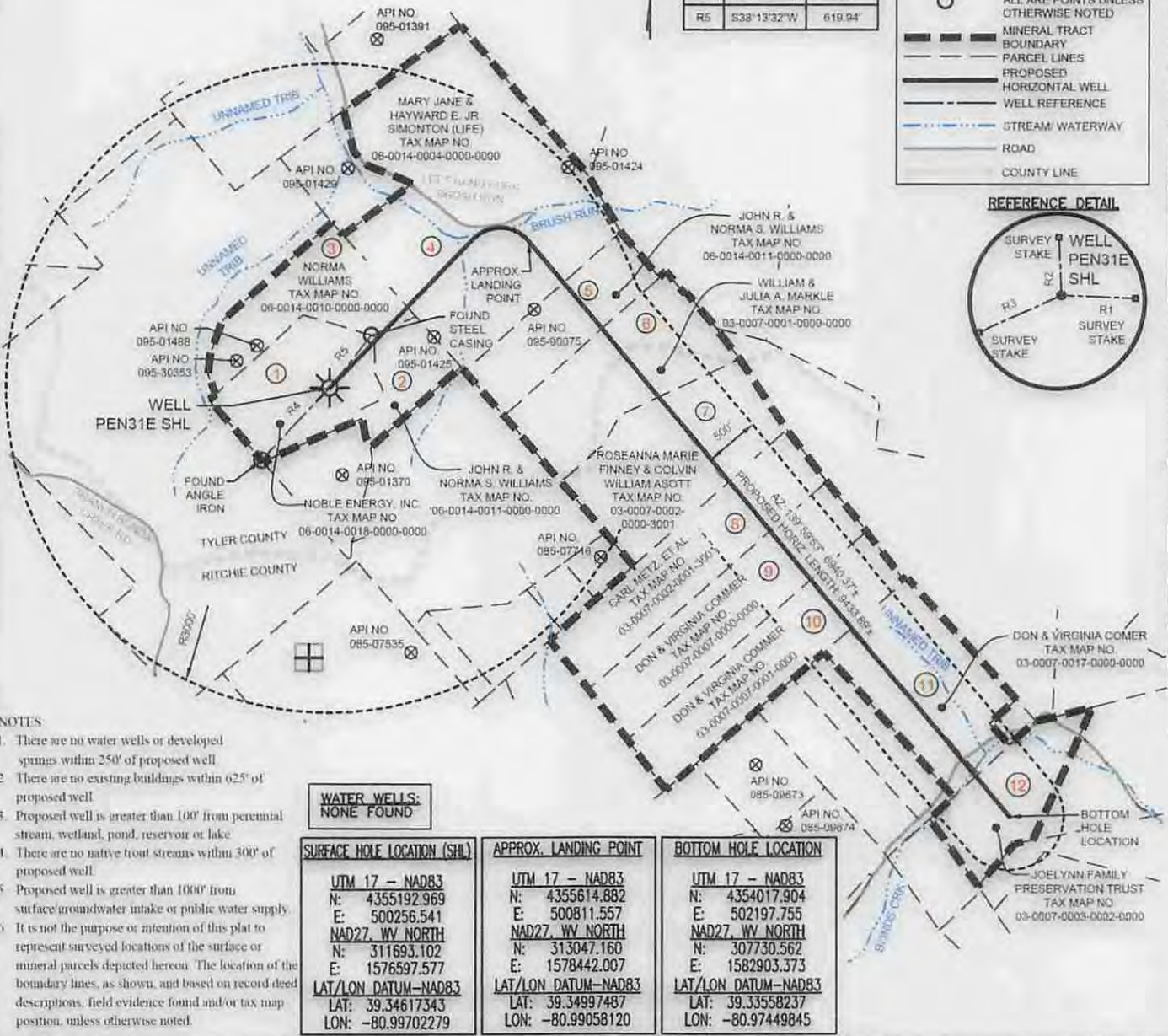
Waterfront Corporate Park III, Suite 101
2000 Georgetowne Drive
Sewickley, PA 15143-8992
Phone: 724-444-1100

Well is located on topo map 10,500 feet south of Latitude: 39° 22' 30"

LINE	BEARING	DISTANCE
R1	N67°42'57"W	458.61'
R2	S02°17'53"E	357.39'
R3	N65°47'07"E	555.80'
R4	N43°16'31"E	921.65'
R5	S38°13'32"W	619.94'

LEGEND

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WW61
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD
- COUNTY LINE



- 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.

WATER WELLS: NONE FOUND	SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION
	UTM 17 - NAD83 N: 4355192.969 E: 500256.541 NAD27, WV NORTH N: 311693.102 E: 1576597.577 LAT/LON DATUM-NAD83 LAT: 39.34617343 LON: -80.99702279	UTM 17 - NAD83 N: 4355614.882 E: 500811.557 NAD27, WV NORTH N: 313047.160 E: 1578442.007 LAT/LON DATUM-NAD83 LAT: 39.34997487 LON: -80.99058120	UTM 17 - NAD83 N: 4354017.904 E: 502197.755 NAD27, WV NORTH N: 307730.562 E: 1582903.373 LAT/LON DATUM-NAD83 LAT: 39.33558237 LON: -80.97449845

FILE #: PEN31E
DRAWING #: PEN31E
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: 1116.43'
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: 14,069 ±
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

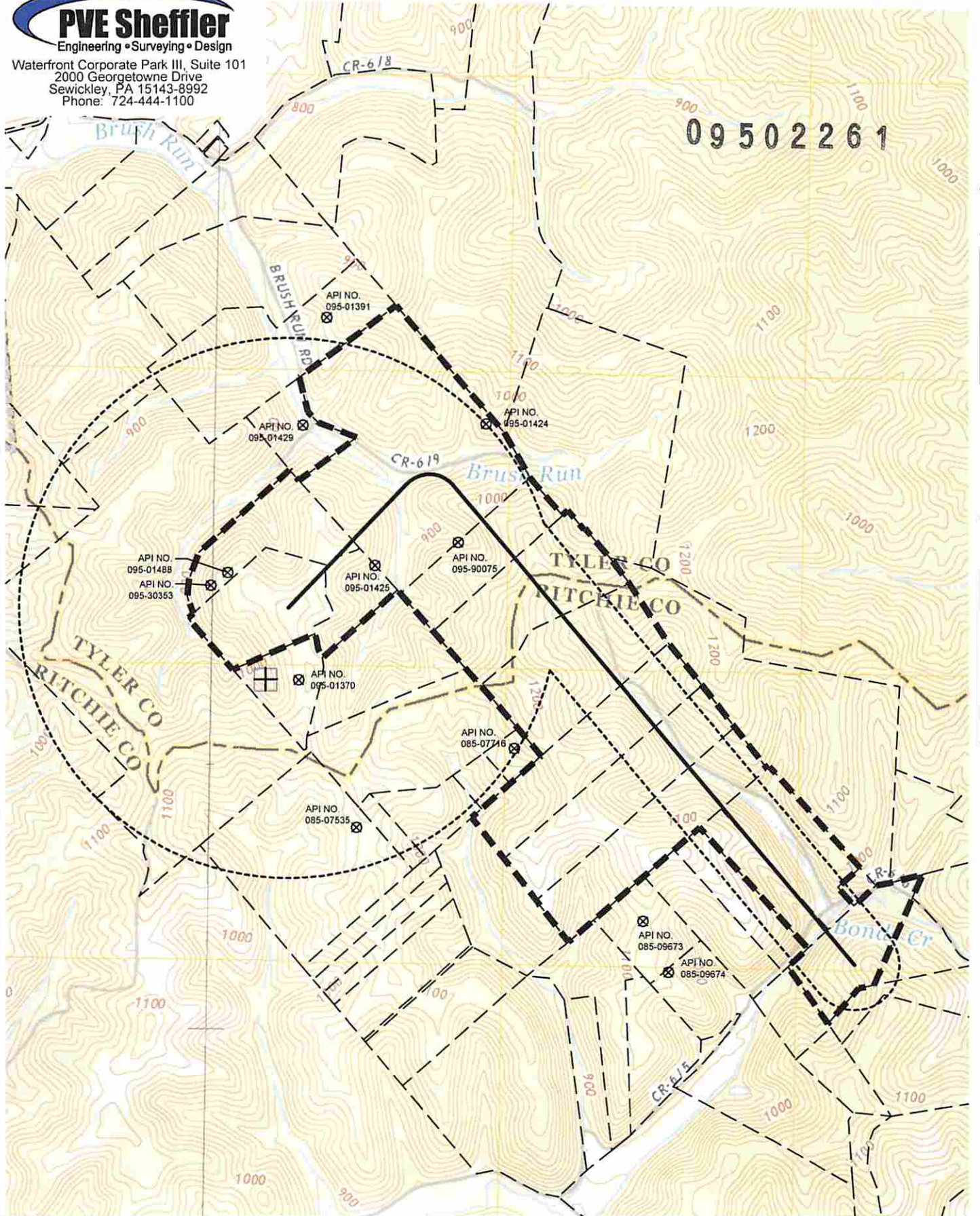
DATE: APRIL 10, 2015
OPERATOR'S WELL #: PEN31E
API WELL # 47 095 02261
STATE COUNTY PERMIT

07/03/2015

Well is located on topo map 10,942 feet west of Longitude: 80° 57' 30"

Well is located on topo map 10,500 feet south of Latitude: 39° 22' 30"

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



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APR 30 2015 09/03/2015

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