

Well is located on topo map 618 feet south of Latitude: 39° 25' 00"

REFERENCE DETAIL



SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83
 N: 4362841.890
 E: 514242.601
 NAD27, WV NORTH
 N: 336025.757
 E: 1622912.312
 LAT/LON DATUM-NAD83
 LAT: 39.414978
 LON: -80.834549

APPROX. LANDING POINT

UTM 17 - NAD83
 N: 4362778.266
 E: 514671.254
 NAD27, WV NORTH
 N: 335793.460
 E: 1624315.460
 LAT/LON DATUM-NAD83
 LAT: 39.414398
 LON: -80.829571

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4360144.151
 E: 515680.084
 NAD27, WV NORTH
 N: 327094.270
 E: 1627481.700
 LAT/LON DATUM-NAD83
 LAT: 39.390645
 LON: -80.817914

LINE TABLE

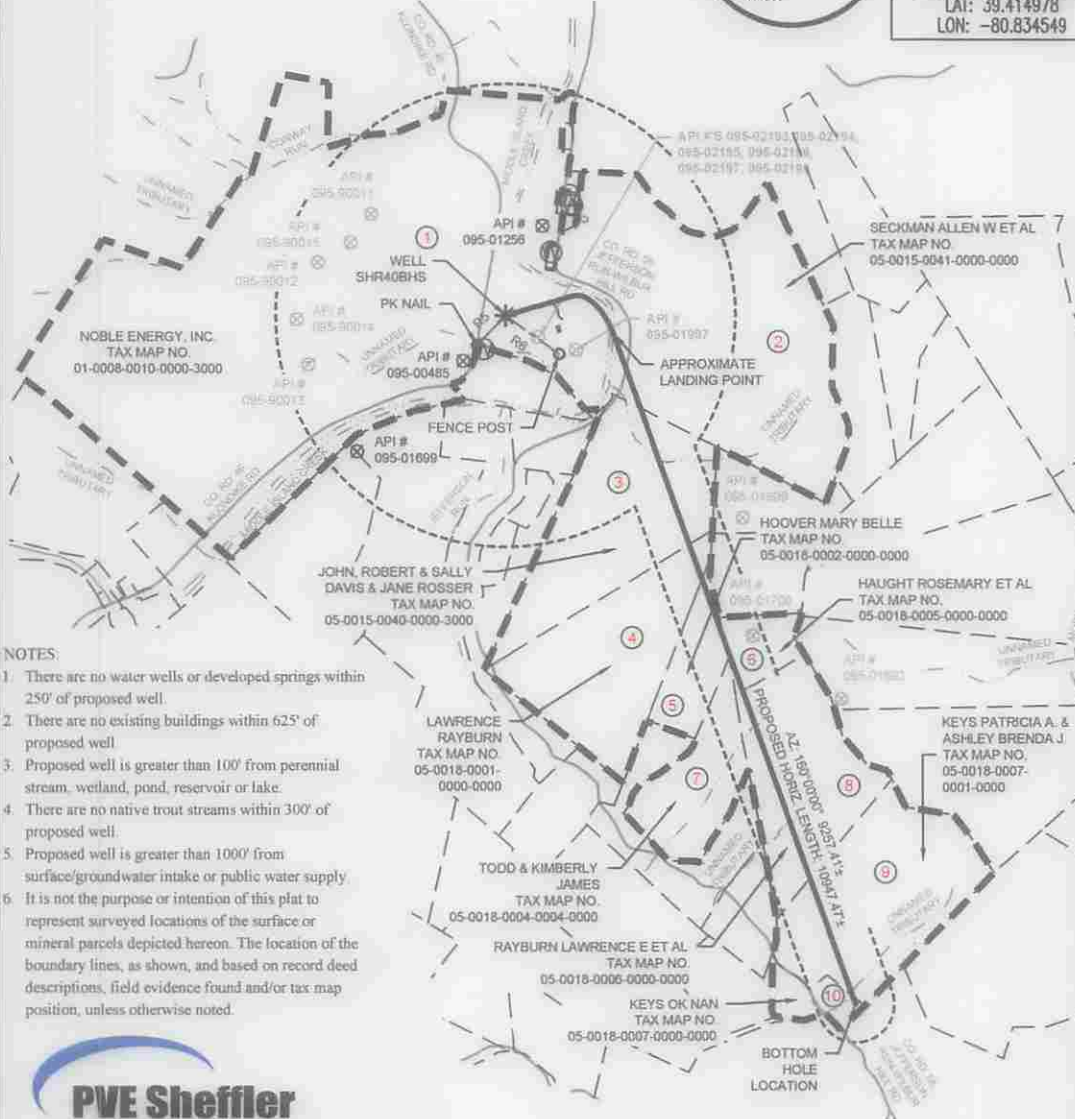
LINE	BEARING	DISTANCE
R2	S35°20'52"E	258.29'
R3	S85°12'03"E	273.70'
R4	N22°54'55"E	304.80'
R5	N43°54'26"E	534.12'
R6	N54°26'52"W	880.46'

LEGEND

TOPO MAP POINT
 PROPOSED WELL
 WATER SOURCE
 LEASED NUMBER BASED ON ATTACHED WMA#1
 ALL ARE POINTS UNLESS OTHERWISE NOTED
 MINERAL TRACT BOUNDARY
 PARCEL LINES
 PROPOSED HORIZONTAL WELL
 WELL REFERENCE
 STREAM/ WATERWAY
 ROAD

WELLS WITHIN 3000'

EXISTING GAS WELL
 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.



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

FILE #: SHR 40 BHS
 DRAWING #: SHR 40 BHS
 SCALE: 1"=2500'
 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: *Charles Davidson*
 R.P.E.: _____ L.L.S.: _____ P.S. NO. _____

PLACE SEAL HERE

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



DATE: SEPTEMBER 4, 2014
 OPERATOR'S WELL #: SHR 40 BHS
 API WELL # 47 095
 STATE COUNTY PERMIT

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

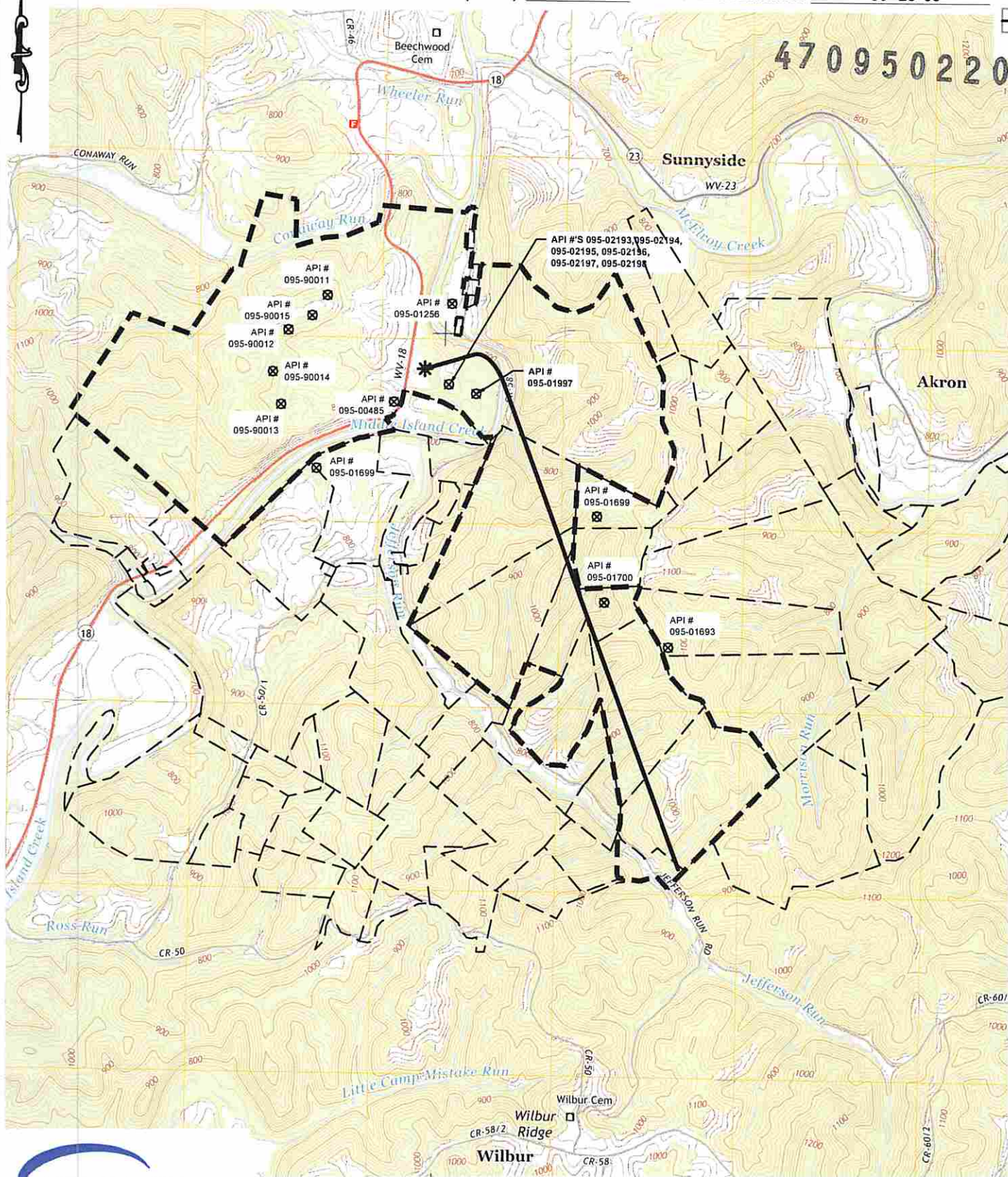
WATERSHED: MIDDLE ISLAND CREEK ELEVATION: 771'
 COUNTY/DISTRICT: CENTERVILLE / TYLER QUADRANGLE: SHIRLEY, W. VA
 SURFACE OWNER: NOBLE ENERGY, INC ACREAGE: 572.64
 OIL & GAS ROYALTY OWNER: DAVID L. MAPLE, ET AL ACREAGE: 357.43

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: 6,379' ± TMD: 16,332' ±
 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

12/05/2014

Well is located on topo map 618 feet south of Latitude: 39° 25' 00"



Well is located on topo map 343 feet west of Longitude: 80° 50' 00"



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: SEPTEMBER 4, 2014

OPERATOR'S WELL #: SHR 40 BHS

API WELL #	47	095	
	STATE	COUNTY	PERMIT

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

WATERSHED: MIDDLE ISLAND CREEK ELEVATION: 771'
COUNTY/DISTRICT: CENTERVILLE / TYLER QUADRANGLE: SHIRLEY, W. VA
SURFACE OWNER: HOWARD L. JAMES & DAVID & LINDA WEEKLY ACREAGE: 572.64
OIL & GAS ROYALTY OWNER: HOWARD L. JAMES ET. AL. ACREAGE: 357.43

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PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON
CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION: MARCELLUS
WELL OPERATOR: NOBLE ENERGY, INC.
Address: 333 TECHNOLOGY DRIVE, SUITE 116
City CANONSBURG State PA Zip Code 15317

ESTIMATED DEPTH: TVD: 6,379' ± TMD: 16,332' ±
DESIGNATED AGENT: STEVEN M. GREEN
Address: 500 VIRGINIA STREET EAST, UNITED CENTER SUITE 590
City CHARLESTON State WV Zip Code 25301

RECEIVED
Office of Oil and Gas
SEP 11 2014
Department of Environmental Protection
12/05/2014