

Well is located on topo map 601 feet south of Latitude: 39° 25' 00"

Well is located on topo map 333 feet west of Longitude: 80° 50' 00"

REFERENCE DETAIL



SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83
 N: 4362847.122
 E: 514245.726
 NAD27, WV NORTH
 N: 336042.755
 E: 1622922.854
 LAT/LON DATUM-NAD83
 LAT: 39.415026
 LON: -80.834513

APPROX. LANDING POINT

UTM 17 - NAD83
 N: 4362825.085
 E: 514814.302
 NAD27, WV NORTH
 N: 335939.250
 E: 1624787.440
 LAT/LON DATUM-NAD83
 LAT: 39.414817
 LON: -80.827909

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4360267.218
 E: 515793.930
 NAD27, WV NORTH
 N: 327491.870
 E: 1627862.030
 LAT/LON DATUM-NAD83
 LAT: 39.391752
 LON: -80.816589

LINE TABLE

LINE	BEARING	DISTANCE
R2	S39°24'41"E	251.37
R3	S88°41'55"E	282.97
R4	N23°26'07"E	323.94
R5	N43°28'50"E	553.44
R6	N53°08'18"W	861.96

LEGEND

TOPO MAP POINT
 PROPOSED WELL
 WATER SOURCE
 LEASED NUMBER BASED ON ATTACHED WWBA1
 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

1. There are no water wells or developed springs within 250' of proposed well.
2. There are no existing buildings within 625' of proposed well.
3. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
4. There are no native trout streams within 300' of proposed well.
5. Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
6. 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 AHS
 DRAWING #: SHR 40 AHS
 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 Douglas 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 AHS
 API WELL # 47 095 02206
 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: 16,217' ±
 WELL OPERATOR: NOBLE ENERGY, INC. DESIGNATED AGENT: STEVEN M. GREEN
 Address: 333 TECHNOLOGY DRIVE, SUITE 118 Address: 500 VIRGINIA STREET EAST, UNITED CENTER SUITE 590
 City CANONSBURG State PA Zip Code 15317 City CHARLESTON State WV Zip Code 25301

12/19/2014