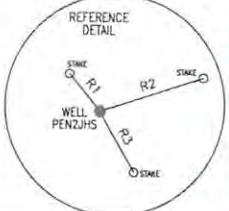


Well is located on topo map 13.974' feet south of Latitude: 39° 22' 30"

# AS DRILLED PLAT

Well is located on topo map 3.601' feet west of Longitude: 81° 00' 00"



LINE	BEARING	DISTANCE
R1	N 39°12'44" W	131.55'
R2	N 72°08'18" E	297.08'
R3	S 29°44'49" E	190.23'
R4	N 57°44'38" W	1781.40'
R5	N 18°17'02" W	1812.10'
R6	N 17°12'40" E	1661.39'

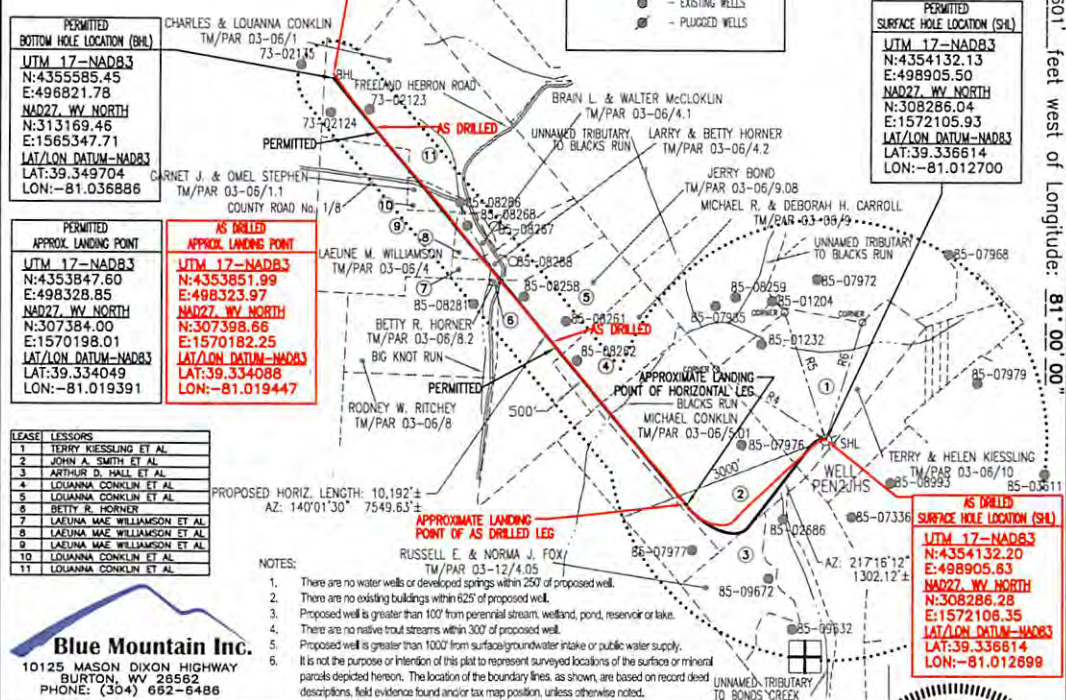
**AS DRILLED**  
**BOTTOM HOLE LOCATION (BH1)**  
 UTM 17-NAD83  
 N:4355802.63  
 E:496822.70  
 NAD27 WY NORTH  
 N:313225.78  
 E:1565351.66  
 LAT/LON DATUM=NAD83  
 LAT:39.349859  
 LON:-81.036875

**LEGEND**

- TOPPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- LEASE NUMBER
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- AS DRILLED

**EXISTING WELLS**

- EXISTING WELLS
- PLUGGED WELLS



**PERMITTED**  
**BOTTOM HOLE LOCATION (BH1)**  
 UTM 17-NAD83  
 N:4355855.45  
 E:496821.78  
 NAD27 WY NORTH  
 N:313169.46  
 E:1565347.71  
 LAT/LON DATUM=NAD83  
 LAT:39.349704  
 LON:-81.036886

**PERMITTED**  
**SURFACE HOLE LOCATION (SH1)**  
 UTM 17-NAD83  
 N:4354132.13  
 E:498905.50  
 NAD27 WY NORTH  
 N:308286.04  
 E:1572105.93  
 LAT/LON DATUM=NAD83  
 LAT:39.336614  
 LON:-81.012700

**PERMITTED**  
**APPROX. LANDING POINT**  
 UTM 17-NAD83  
 N:4353847.60  
 E:498328.85  
 NAD27 WY NORTH  
 N:307384.00  
 E:1570198.01  
 LAT/LON DATUM=NAD83  
 LAT:39.334049  
 LON:-81.019391

**AS DRILLED**  
**APPROX. LANDING POINT**  
 UTM 17-NAD83  
 N:4353851.99  
 E:498323.97  
 NAD27 WY NORTH  
 N:307398.65  
 E:1570182.25  
 LAT/LON DATUM=NAD83  
 LAT:39.334088  
 LON:-81.019447

**LEASE LESSORS**

- TERRY KIESSLING ET AL
- JOHN A. SMITH ET AL
- ARTHUR D. HALL ET AL
- LOUAINA CONKLIN ET AL
- LOUAINA CONKLIN ET AL
- BETTY R. HORNER
- LAELINE MAE WILLIAMSON ET AL
- LAELINE MAE WILLIAMSON ET AL
- LAELINE MAE WILLIAMSON ET AL
- LOUAINA CONKLIN ET AL
- LOUAINA CONKLIN ET AL

PROPOSED HORIZ. LENGTH: 10.192±  
 AZ: 140°01'30" 7549.63±

**NOTES:**

- There are no water wells or developed springs within 200' 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 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, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

**Blue Mountain Inc.**  
 10125 MASON DIXON HIGHWAY  
 BURTON, WV 25802  
 PHONE: (304) 662-6486

FILE #: PEN2JHS-AS DRILLED  
 DRAWING #: PEN2JHS-AS DRILLED  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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: **PRELIMINARY**  
 R.P.E.: \_\_\_\_\_ L.L.S.: P.S. No. 2000



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

DATE: FEBRUARY 10, 2015  
 OPERATOR'S WELL #: PEN2JHS-AS DRILLED  
 API WELL #: 47 85 10074  
 STATE COUNTY PERMIT

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

WATERSHED: NORTH FORK HUGHES RIVER ELEVATION: 1081.34±'

COUNTY/DISTRICT: RITCHIE / CLAY QUADRANGLE: ELLENBORO, WV 7.5'

SURFACE OWNER: TERRY & HELEN KIESSLING ACREAGE: 79.242±

OIL & GAS ROYALTY OWNER: TERRY KIESSLING ET AL ACREAGE: 589.154±

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY): \_\_\_\_\_

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,314± TMD: 15,012±

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

03/31/2017