

Well is located on topo map 13,939' feet south of Latitude: 39° 22' 30"

Well is located on topo map 3,507' feet west of Longitude: 81° 00' 00"

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, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

**AS DRILLED
BOTTOM HOLE LOCATION (BHL)**
UTM 17-NAD83
N:4356070.77
E:497931.50
NAD27, WV NORTH
N:314701.17
E:1569015.92
LAT/LON DATUM-NAD83
LAT:39.354081
LON:-81.024008

AS DRILLED PLAT

LEASE	LESSORS
1	TERRY KIESSLING ET AL
2	TERRY KIESSLING ET AL
3	JAY-BEE PRODUCTION COMPANY ET AL
4	ST LUKE'S UNITED METHODIST CHURCH ET AL
5	JOHN A. SMITH ET AL
6	JOHN A. SMITH ET AL
7	COASTAL FOREST RESOURCES COMPANY
8	LOUANNA CONKLIN ET AL

**AS DRILLED
APPROX. LANDING POINT**
UTM 17-NAD83
N:4354548.25
E:499248.22
NAD27, WV NORTH
N:309632.76
E:1573253.39
LAT/LON DATUM-NAD83
LAT:39.340364
LON:-81.008724

**PERMITTED
APPROX. LANDING POINT**
UTM 17-NAD83
N:4354564.81
E:499237.94
NAD27, WV NORTH
N:309687.66
E:1573220.57
LAT/LON DATUM-NAD83
LAT:39.340513
LON:-81.008843

LEGEND

- TOPO 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

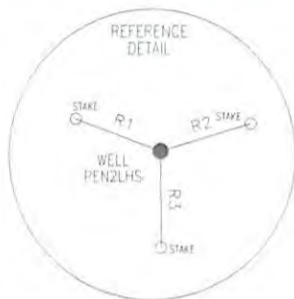
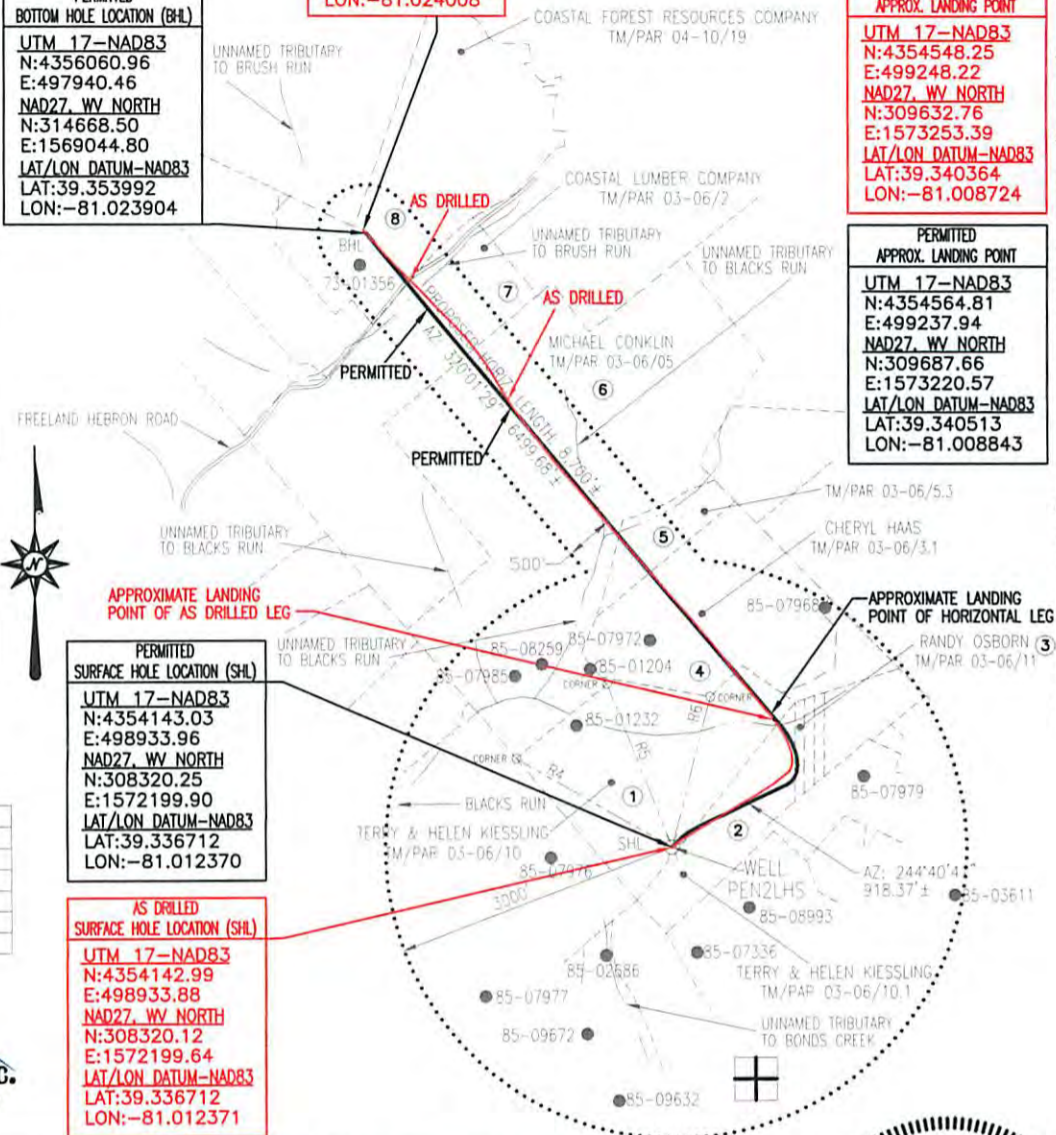
EXISTING WELLS

- EXISTING WELLS
- PLUGGED WELLS

**PERMITTED
BOTTOM HOLE LOCATION (BHL)**
UTM 17-NAD83
N:4356060.96
E:497940.46
NAD27, WV NORTH
N:314668.50
E:1569044.80
LAT/LON DATUM-NAD83
LAT:39.353992
LON:-81.023904

**PERMITTED
SURFACE HOLE LOCATION (SHL)**
UTM 17-NAD83
N:4354143.03
E:498933.96
NAD27, WV NORTH
N:308320.25
E:1572199.90
LAT/LON DATUM-NAD83
LAT:39.336712
LON:-81.012370

**AS DRILLED
SURFACE HOLE LOCATION (SHL)**
UTM 17-NAD83
N:4354142.99
E:498933.88
NAD27, WV NORTH
N:308320.12
E:1572199.64
LAT/LON DATUM-NAD83
LAT:39.336712
LON:-81.012371



LINE	BEARING	DISTANCE
R1	N 69°04'41" W	189.64'
R2	N 73°13'29" E	197.18'
R3	S 00°07'10" E	199.37'
R4	N 60°12'06" W	1844.31'
R5	N 21°26'47" W	1811.86'
R6	N 14°21'47" E	1602.88'

Blue Mountain Inc.
10125 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

FILE #: PEN2LHS-AS DRILLED
DRAWING #: PEN2LHS-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: *George W. Six*
R.P.E.: _____ L.L.S.: P.S. No. 2000

**GEORGE W. SIX
LICENSED
No. 2000
STATE OF
WEST VIRGINIA
PROFESSIONAL SURVEYOR**

PLACE SEAL HERE

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



DATE: FEBRUARY 11, 2015
OPERATOR'S WELL #: PEN2LHS-AS DRILLED
API WELL #: 47 85 10076
STATE COUNTY PERMIT

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

WATERSHED: NORTH FORK HUGHES RIVER ELEVATION: 1084'
COUNTY/DISTRICT: RITCHIE / CLAY QUADRANGLE: ELLENBORO, WV 75
SURFACE OWNER: TERRY & HELEN KIESSLING ACREAGE: 79.242±
OIL & GAS ROYALTY OWNER: TERRY KIESSLING ET AL ACREAGE: 647.719±

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: 13,693'±
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

RECORDED
FEB 23 2015
06/12/2015