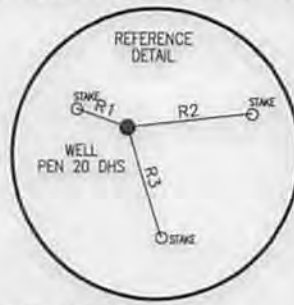


Well is located on topo map 1.922 feet south of Latitude: 39° 20' 00"

TRACT	LESSOR
1	LAWRENCE B. & ANGELA COKELEY
2	LAWRENCE B. & ANGELA COKELEY
3	LAWRENCE B. & ANGELA COKELEY ET AL.
4	PHILLIP A. & REBECCA LOFTY
5	PHILLIP A. & REBECCA LOFTY
6	ARTHUR D. HALL ET AL.
7	ARTHUR D. HALL ET AL.
8	KIEDAISCH & SUMMERS ET AL.
9	DONALD C. & SUSIE A. HOGUE
10	DONZIL LEROY BAKER ET AL.
11	WALNUT INVESTMENT COMPANY ET AL.



**LEGEND**

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- WATER SOURCE
- LEASE NUMBER BASED ON ATTACHED WW-BAI
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE

**WELLS WITHIN 3000'**

- EXISTING WELLS
- PLUGGED WELLS

Well is located on topo map 7.397 feet west of Longitude: 81° 00' 00"

LINE	BEARING	DISTANCE
R1	N 69°50'53" W	113.73'
R2	N 83°45'13" E	260.72'
R3	S 17°15'21" E	238.65'
R4	S 18°47'16" W	1822.75'
R5	N 75°04'24" W	2710.51'
R6	N 34°05'57" W	2232.50'



**SURFACE HOLE LOCATION (SHL)**  
 UTM 17-NAD83  
 N:4353182.91  
 E:497746.27  
 NAD27, WV NORTH  
 N:305234.764  
 E:1568249.809  
 LAT/LON DATUM-NAD83  
 LAT:39.3280583  
 LON:-81.0261482

**APPROX. LANDING POINT**  
 UTM 17-NAD83  
 N:4353223.81  
 E:498096.47  
 NAD27, WV NORTH  
 N:305349.758  
 E:1569401.254  
 LAT/LON DATUM-NAD83  
 LAT:39.3284276  
 LON:-81.0220853

**BOTTOM HOLE LOCATION (BHL)**  
 UTM 17-NAD83  
 N:4351381.81  
 E:499695.26  
 NAD27, WV NORTH  
 N:299217.482  
 E:1574546.844  
 LAT/LON DATUM-NAD83  
 LAT:39.3118317  
 LON:-81.0035349

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

**Blue Mountain Inc.**  
 11023 MASON DIXON HIGHWAY  
 BURTON, WV 26562  
 PHONE: (304) 662-6486

FILE #: PEN 20 DHS  
 DRAWING #: PEN 20 DHS  
 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:

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

**GEORGE D. 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: JULY 28, 2014  
 OPERATOR'S WELL #: PEN 20 DHS  
 API WELL #: 47 85 10/11/16A  
 STATE COUNTY PERMIT

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

WATERSHED: NORTH FORK HUGHES RIVER ELEVATION: 1081'±

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

SURFACE OWNER: LAWRENCE & ANGELA COKELEY ACREAGE: 126.17±

OIL & GAS ROYALTY OWNER: LAWRENCE B. & ANGELA COKELEY ACREAGE: 746.709±

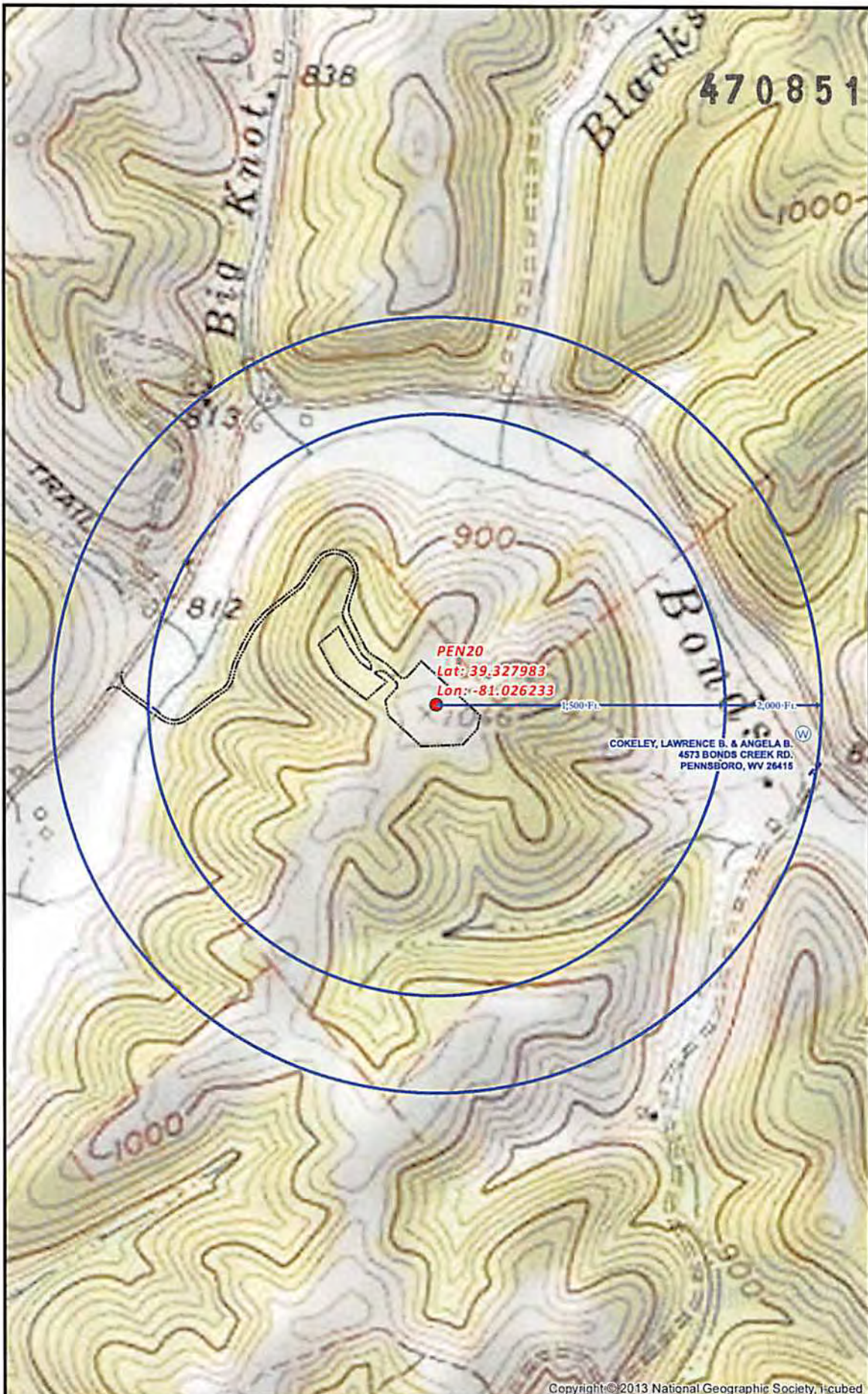
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY): \_\_\_\_\_

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,220'± TMD: 14,728'±

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

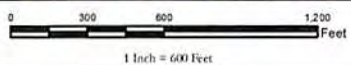
08/08/2014

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**PEN20 SITE SAFETY PLAN**  
 - WATER WELL SURVEYORS -



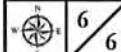
Date: 2/19/2014

- Well Pad
- Spring
- Water Well
- Bridge
- Proposed Road
- Water Well Buffer
- Parcels

Projection: NAD 1927 StatePlane West Virginia North FIPS 4701  
 Units: Foot US



Author: Christopher Glover



\*\*Disclaimer: All data is licensed for use by Noble Energy Inc. use only.\*\*