

Well is located on topo map 13,993' feet south of Latitude: 39° 22' 30"

Well is located on topo map 3,594' feet west of Longitude: 81° 00' 00"

NOTES:

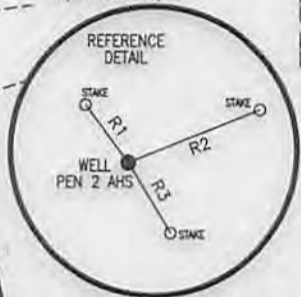
1. There are no water wells or developed springs within 250' of proposed well.
2. There are no existing buildings within 625' of proposed well.
3. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
4. There are no native trout streams within 300' of proposed well.
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.

LEGEND

- ⊕ - TOPO MAP POINT
- ☼ - WELL
- - ALL ARE POINTS UNLESS OTHERWISE NOTED.
- ⊙ - WATER SOURCE
- ⊖ - LEASE NUMBER BASED ON ATTACHED WW-6A1
- - - - - MINERAL TRACT BOUNDARY
- - - - - PARCEL LINES
- - - - - WELL REFERENCE
- - - - - PROPOSED HORIZONTAL WELL
- - - - - ROAD
- - - - - STREAM CENTER LINE

WELLS WITHIN 3000'

- - EXISTING WELLS
- ⊖ - PLUGGED WELLS



LINE	BEARING	DISTANCE
R1	N 36°42'29" W	150.58'
R2	N 68°16'50" E	297.00'
R3	S 30°53'03" E	170.55'
R4	N 57°21'14" W	1797.26'
R5	N 18°18'09" W	1832.09'
R6	N 16°47'53" E	1677.36'

SURFACE HOLE LOCATION (SHL)

UTM 17-NAD83
N:4354126.44
E:498907.68
NAD27, WV NORTH
N:308267.25
E:1572112.77
LAT/LON DATUM-NAD83
LAT:39.338562
LON:-81.012675

APPROX. LANDING POINT

UTM 17-NAD83
N:4353610.85
E:498528.24
NAD27, WV NORTH
N:306596.14
E:1570839.36
LAT/LON DATUM-NAD83
LAT:39.331916
LON:-81.017077

BOTTOM HOLE LOCATION (BHL)

UTM 17-NAD83
N:4351627.06
E:500248.59
NAD27, WV NORTH
N:299991.89
E:1576376.07
LAT/LON DATUM-NAD83
LAT:39.314042
LON:-80.997116

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

FILE #: PEN 2 AHS
DRAWING #: PEN 2 AHS
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: *[Signature]*
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: MARCH 25, 2014
OPERATOR'S WELL #: PEN 2 AHS
API WELL #: 47 85 *MOD 15067 H6A*
STATE COUNTY PERMIT

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

WATERSHED: NORTH FORK HUGHES RIVER ELEVATION: 1081.91±'
COUNTY/DISTRICT: RITCHIE / CLAY QUADRANGLE: ELLENBORO, WV 7.5'
SURFACE OWNER: TERRY & HELEN KIESSLING ACREAGE: 79.242±
OIL & GAS ROYALTY OWNER: SEE ATTACHED WW-6A1 ACREAGE: 868.804±

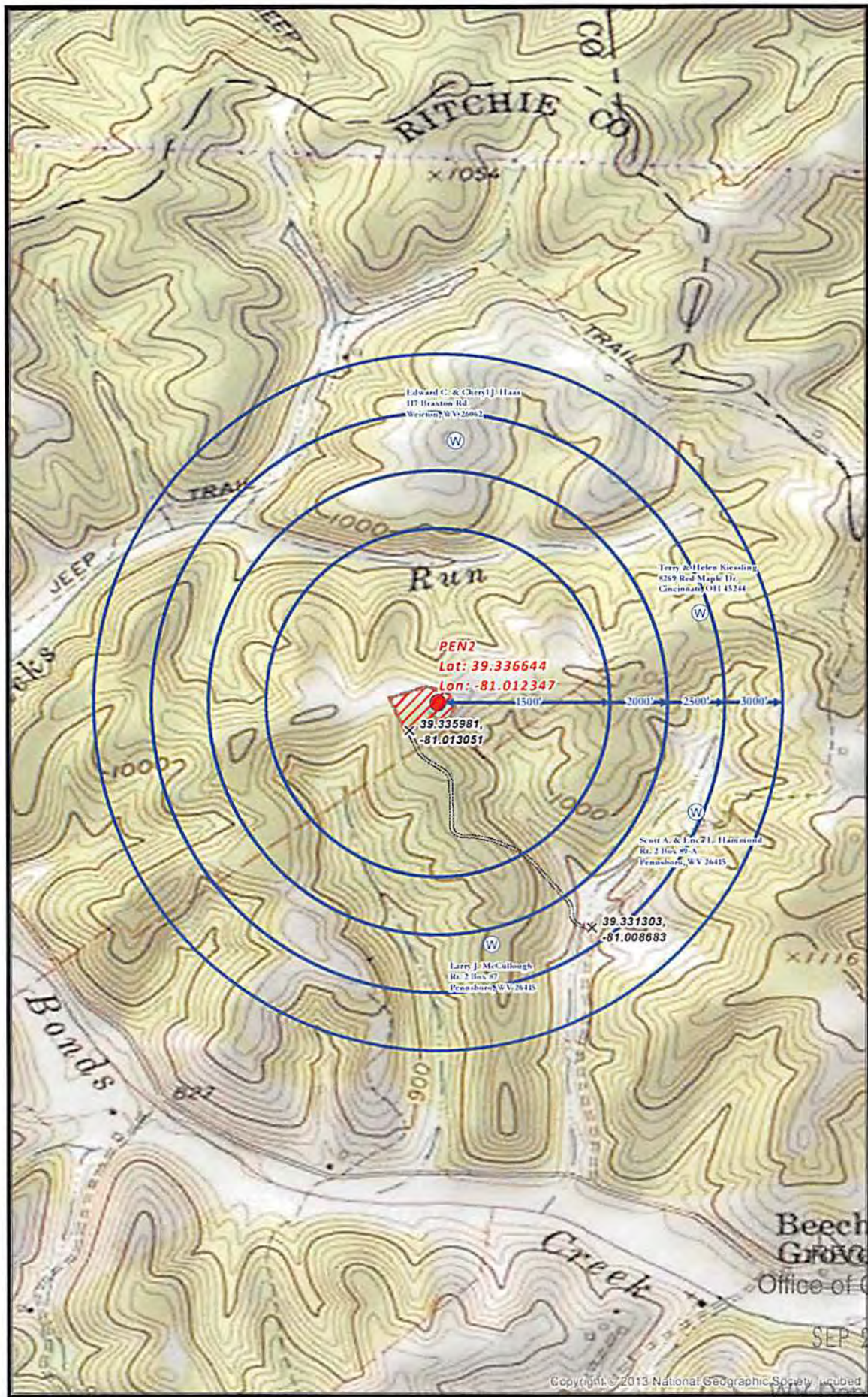
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,324± TMD: 16,028±
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

04/04/2014

Plat spotted

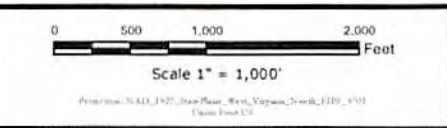
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RECEIVED
Office of Oil and Gas
SEP 23 2013

Department of Environmental Protection

PENS2 SITE SAFETY PLAN - WATER WELLS PROXIMITY -	
Water Footprint Buffer	Proposed Road
Road Intersection	Well Pad Boundary



noble energy

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

Author: Christopher Glynn

Scale: 6/6

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