

Latitude: 40°00'00"

Longitude: 80°30'00"

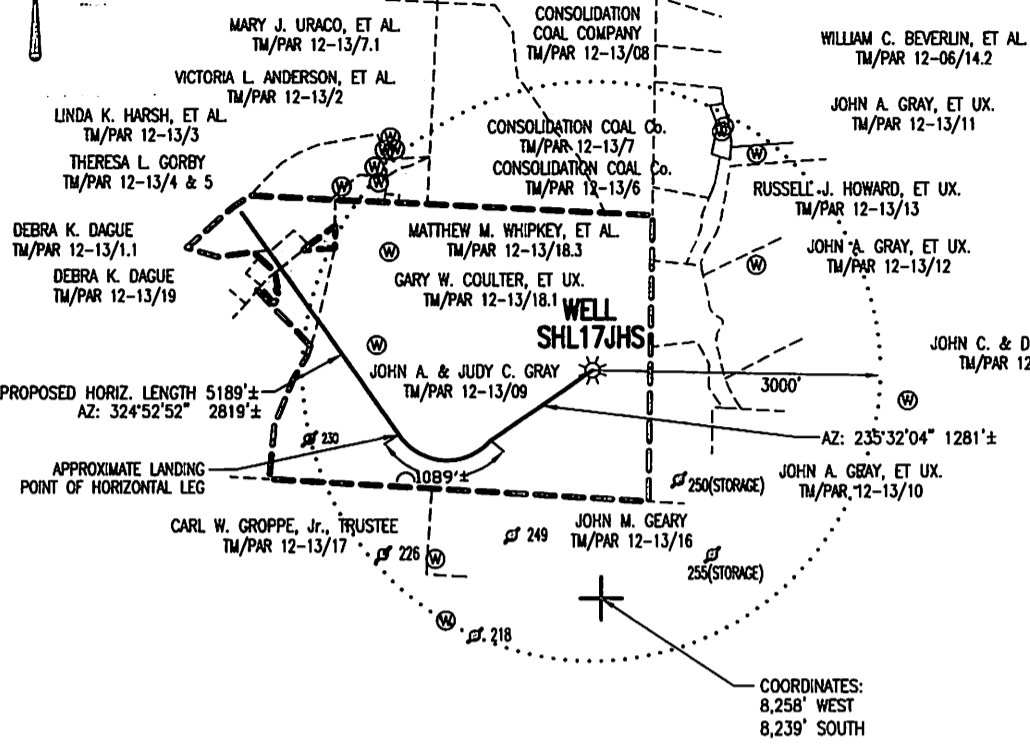


LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- WATER SOURCE
- GENERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE

WELLS WITHIN 3000'

- EXISTING WELLS
- PLUGGED WELLS



SURFACE HOLE LOCATION (SFL)

LTM 17
N:4425361.93
E:540198.47

NAD27, WV NORTH
N:539758.857
E:1711500.094

LAT/LON DATUM-WGS84
LAT:39°58'38.87"
LON:80°31'45.30"

APPROX. LANDING POINT

LTM 17-NAD83
N:4425148.914
E:539589.583

NAD27, WV NORTH
N:539093.196
E:1709496.983

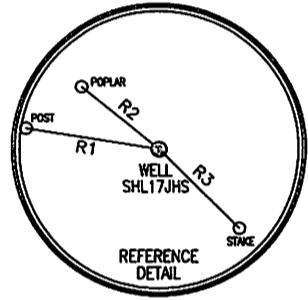
LAT/LON DATUM-WGS84
LAT:39°58'32.06"
LON:80°32'10.93"

BOTTOM HOLE LOCATION (BHL)

LTM 17-NAD83
N:4425843.137
E:539083.752

NAD27, WV NORTH
N:541399.108
E:1707875.233

LAT/LON DATUM-WGS84
LAT:39°58'54.66"
LON:80°32'32.10"



LINE	BEARING	DISTANCE
R1	N 80°53'31" W	288.87'
R2	S 50°37'38" E	215.70'
R3	S 45°18'14" E	242.91'

GAS LESSORS

TAX MAP/PARCEL #	OIL & GAS ROYALTY OWNERS
12-13 09	JOHN A. GRAY, ET UX.
12-13 18.1	GARY W. COULTER, ET UX.
12-13 19	DEBRA K. DAGUE
12-13 01.1	DIANA L. ARMSTRONG, ET AL.

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 Engineering
11023 MASON DIXON HIGHWAY
BURTON, WV 26582
PHONE: (304) 662-6486

FILE #: SHL17JHS

DRAWING #: SHL17JHS

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: OCTOBER 2, 2012

OPERATOR'S WELL #: SHL17JHS
SERIAL No.: WV0510734HS

API WELL #: 47 51 01609H8A
STATE COUNTY PERMIT

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

WATERSHED: WHORTON HILL RUN ELEVATION: 1293.16'

COUNTY/DISTRICT: MARSHALL / SAND HILL QUADRANGLE: MAJORSVILLE, WV-PA 7.5'

SURFACE OWNER: JOHN A. GRAY, ET UX. ACREAGE: 241.56±

OIL & GAS ROYALTY OWNER: SEE ATTACHED WW-6A1 ACREAGE: 267.071±

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

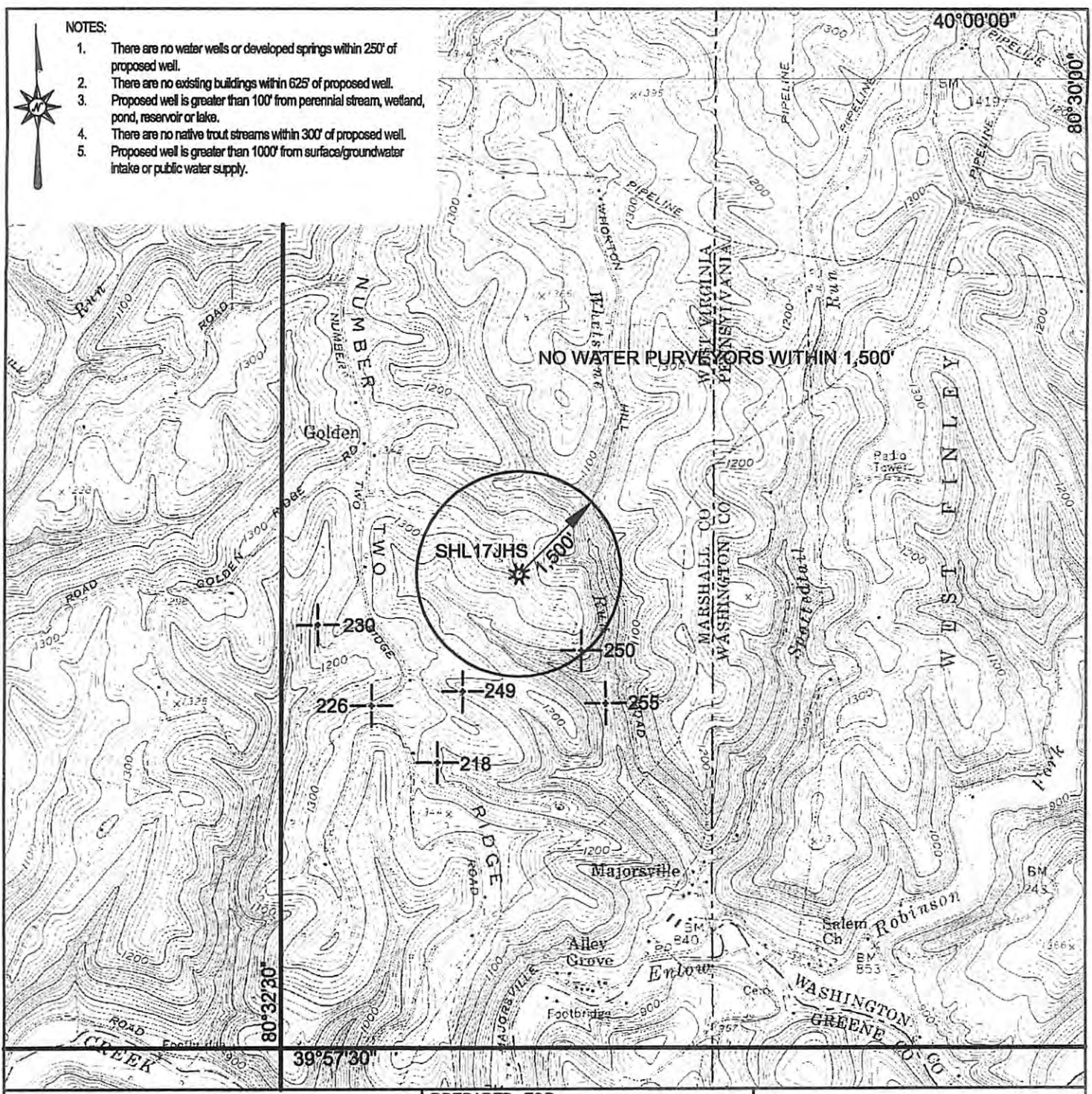
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,653'± TMD: 4,215.52'

WELL OPERATOR NOBLE ENERGY INC. DESIGNATED AGENT STEVEN M. GREEN
Address 333 TECHNOLOGY DRIVE, SUITE 110 Address 500 VIRGINIA STREET EAST, UNITED CENTER SUITE 590
City CANONSBURG State PA Zip Code 15317 City CHARLESTON State WV Zip Code 25301

02/01/2013

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BURTON, WV 26562
PHONE: (304) 662-6486

PREPARED FOR:
NOBLE ENERGY INC.
333 TECHNOLOGY DRIVE
SUITE 110
CANONSBURG, PA 15317

SHL17JHS
LOCATION MAP
MARSHALL COUNTY
SAND HILL DISTRICT
WEST VIRGINIA

TOPO QUAD: MAJORSVILLE, WV-PA
SCALE: 1" = 2000'
DATE: OCTOBER 2, 2012