

Latitude: 40°00'00"

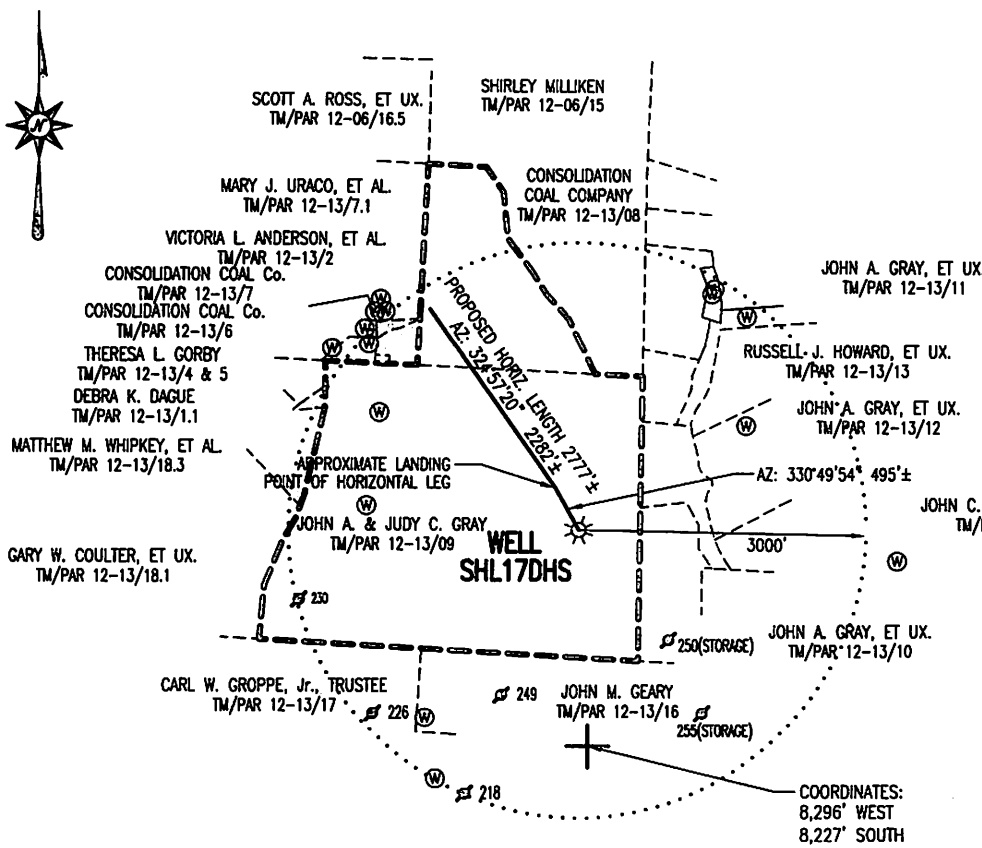
Longitude: 80°30'00"

LEGEND

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

WELLS WITHIN 3000'

- EXISTING WELLS
- PLUGGED WELLS



SURFACE HOLE LOCATION (SHL)

UTM 17	N:4425365.48	E:540184.95
NAD27, WV NORTH	N:539771.146	E:1711462.493
LAT/LON DATUM-WGS84	LAT:39°58'38.95"	LON:80°31'45.78"

APPROX LANDING POINT

UTM 17-NAD83	N:4425496.025	E:540109.192
NAD27, WV NORTH	N:540203.690	E:1711221.065
LAT/LON DATUM-WGS84	LAT:39°58'43.23"	LON:80°31'48.95"

BOTTOM HOLE LOCATION (SHL)

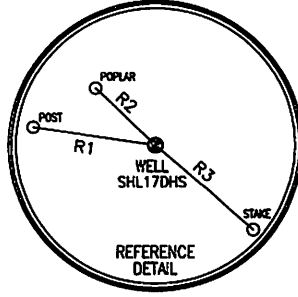
UTM 17-NAD83	N:4426058.554	E:539700.431
NAD27, WV NORTH	N:542072.112	E:1709910.618
LAT/LON DATUM-WGS84	LAT:39°58'01.55"	LON:80°32'06.06"

GAS LESSORS

TAX MAP PARCEL	OIL & GAS ROYALTY OWNERS
12-13 09	JOHN A. GRAY, ET UX.
12-13 08	CONSOLIDATION COAL Co.

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.



LINE	BEARING	DISTANCE
R1	N 81°26'54" W	265.60'
R2	S 46°02'20" E	179.41'
R3	S 48°56'44" E	278.84'

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

FILE #: SHL17DHS
 DRAWING #: SHL17DHS
 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 #: SHL17DHS SERIAL No.: WV0510636HS
 API WELL #: 47 51 01604118A
 STATE COUNTY PERMIT

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

WATERSHED: WHORTON HILL RUN ELEVATION: 1296.72'

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: 298.565±

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

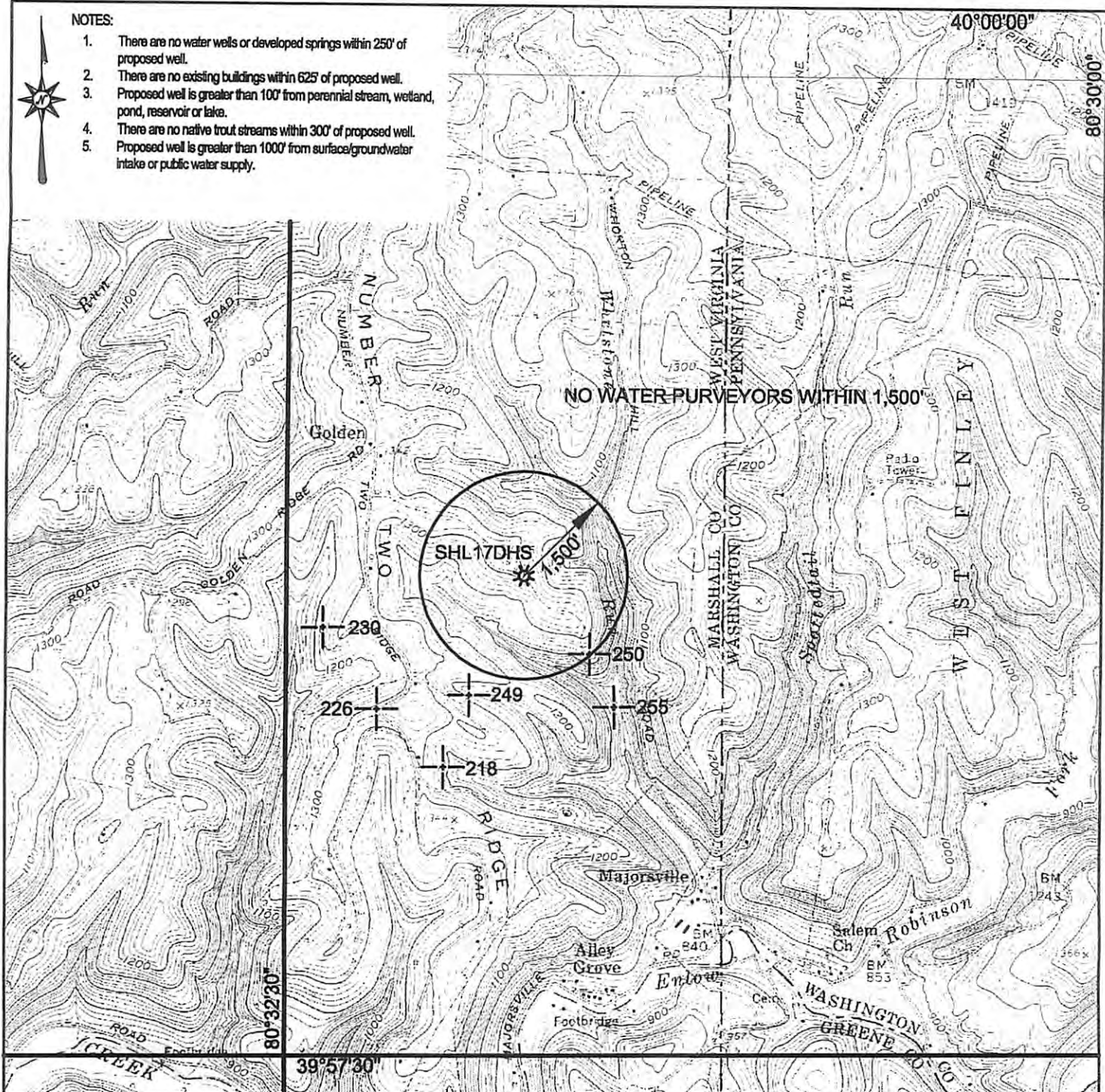
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,648± TMD: 9950±

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

SHL17DHS
 LOCATION MAP
 MARSHALL COUNTY
 SAND HILL DISTRICT
 WEST VIRGINIA

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