

Latitude: 40°00'00"

Longitude: 80°30'00"

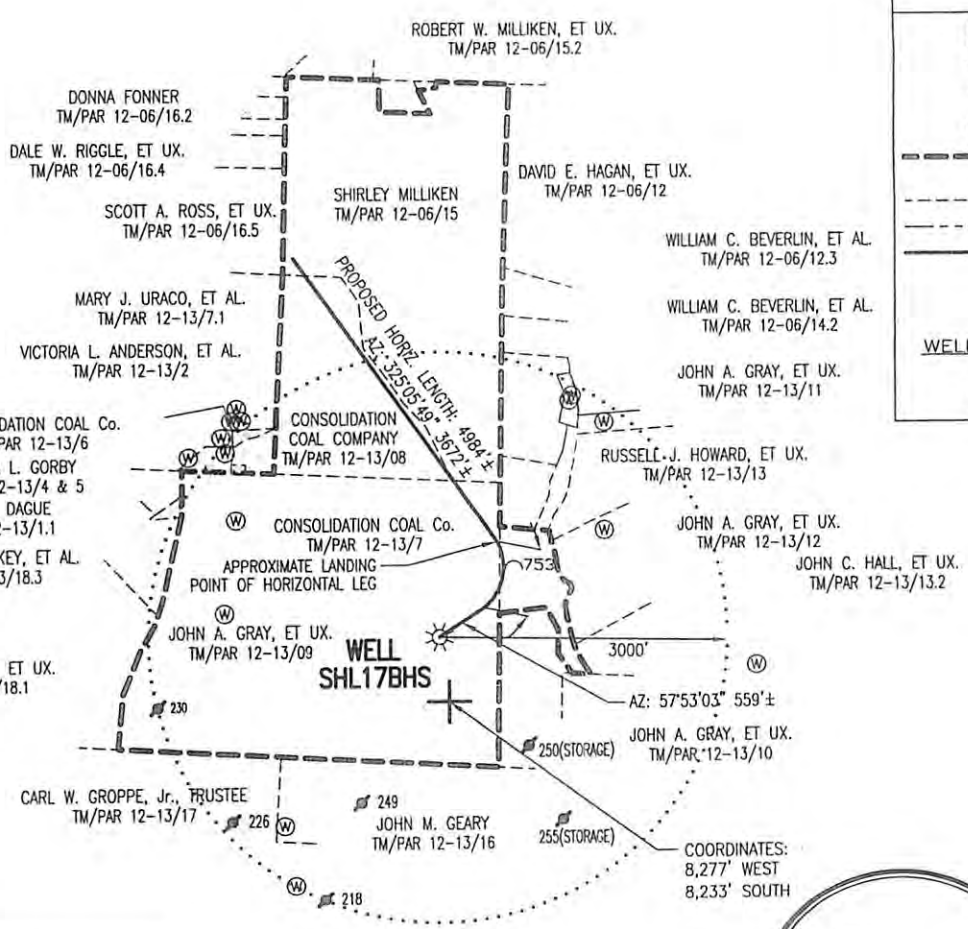


**LEGEND**

- 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:4425363.68  
E:540190.77

NAD27\_WV NORTH  
N:539764.917  
E:1711481.500

LAT/LOG DATUM-WGS84  
LAT:39°58'38.92"  
LON:80°31'45.54"

**APPROX. LANDING POINT**

UTM 17-NAD83  
N:4425666.64  
E:540370.51

NAD27\_WV NORTH  
N:540749.274  
E:1712087.661

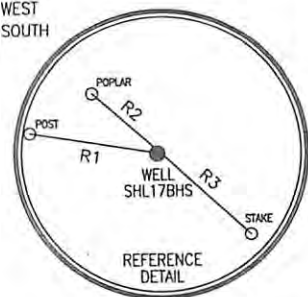
LAT/LOG DATUM-WGS84  
LAT:39°58'48.72"  
LON:80°31'37.89"

**BOTTOM HOLE LOCATION (BHL)**

UTM 17-NAD83  
N:4426573.34  
E:539714.94

NAD27\_WV NORTH  
N:543760.809  
E:1709986.543

LAT/LOG DATUM-WGS84  
LAT:39°59'18.24"  
LON:80°32'05.33"



LINE	BEARING	DISTANCE
R1	N 80°46'45" W	285.34'
R2	N 48°33'55" W	197.61'
R3	S 47°13'58" E	260.54'

**GAS LESSORS**

TAX MAP/PARCEL	OIL & GAS ROYALTY OWNERS
12-13 09	JOHN A. GRAY, ET UX.
12-13 12	JOHN A. GRAY, ET UX.
12-13 08	CONSOLIDATION COAL Co.
12-06 15	SHIRLEY MILLIKEN

- 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 herein. 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 26562  
PHONE: (304) 662-6486

FILE #: SHL17BHS

DRAWING #: SHL17BHS

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: JUNE 29, 2012

OPERATOR'S WELL #: SHL17BHS  
SERIAL No.: WV0510634HS

API WELL #: 47 51 **01585 HGA**

STATE COUNTY PERMIT

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

WATERSHED: WHORTON HILL RUN ELEVATION: 1295.73'

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 ABOVE GAS LESSORS CHART ACREAGE: 474.123±

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

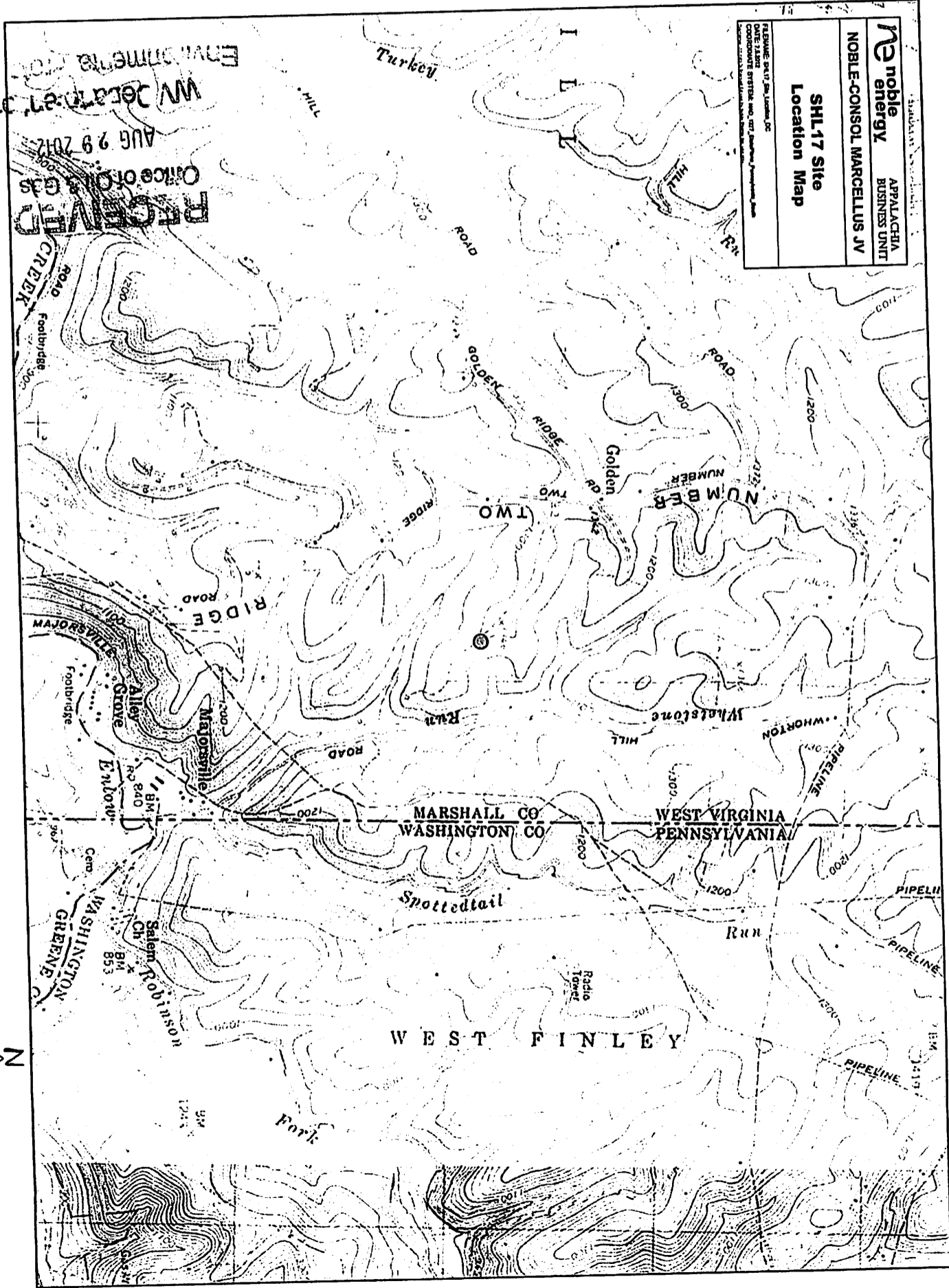
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,723± TMD: 14,894±

WELL OPERATOR NOBLE ENERGY INC. DESIGNATED AGENT STEVEN M. GREEN  
Address 333 TECHNOLOGY DRIVE Address 500 VIRGINIA STREET EAST, UNITED CENTER SUITE 1001  
City CANONSBURG State PA Zip Code 15317 City CHARLESTON State WV Zip Code 25301

12/21/2012

**noble energy** APPALACHIA BUSINESS UNIT  
**NOBLE-CONSOL MARCELLUS JV**  
**SHL17 Site**  
**Location Map**

FILENAME: SHL17\_Site\_Location\_Map  
 DATE: 11/27/2012  
 COORDINATE SYSTEM: NAD 83 / GCS North Carolina State Plane / FIPS 3147  
 UNITS: Feet



RECEIVED  
 Office of Oil & Gas  
 WV Department of Environmental Protection  
 AUG 29 2012

1 inch = 2,000 feet

● SHL 17

DMU  
 Grant

