

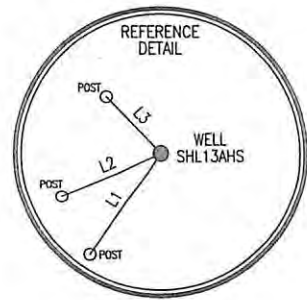
LEGEND

- 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

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 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.

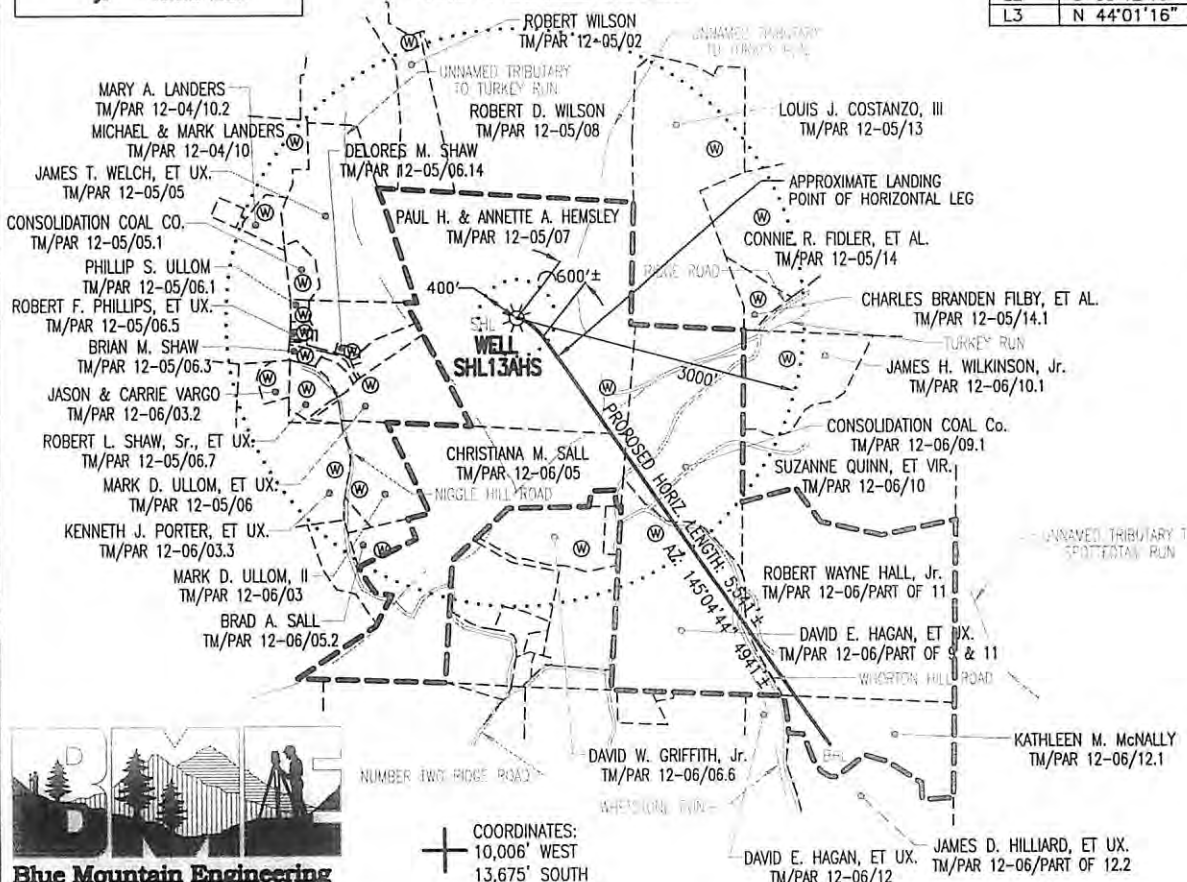
Latitude: 40°02'30"



Longitude: 80°30'00"

LINE	BEARING	DISTANCE
L1	S 34°24'20" W	270.15'
L2	S 65°42'10" W	233.08'
L3	N 44°01'16" W	168.63'

NOTE: NO GAS WELLS WITHIN 3000'



SURFACE HOLE LOCATION (SHL)	
UTM 17	N:4428324.22 E:539646.77
NAD27_WV NORTH	N:549510.25 E:1709859.11
LAT/LOG DATUM-WGS84 LAT:40°00'15.04" LON:80°32'07.82"	
APPROX. LANDING POINT	
UTM 17-NAD83	N:4428202.50 E:539776.62
NAD27_WV NORTH	N:549103.44 E:1710278.01
LAT/LOG DATUM-WGS84 LAT:40°00'11.07" LON:80°32'02.37"	
BOTTOM HOLE LOCATION (BHL)	
UTM 17-NAD83	N:4426982.84 E:540658.78
NAD27_WV NORTH	N:545052.20 E:1715106.41
LAT/LOG DATUM-WGS84 LAT:39°59'31.36" LON:80°31'25.44"	

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

COORDINATES:
10,006' WEST
13,675' SOUTH

FILE #: SHL13AHS
DRAWING #: SHL13AHS
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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304



REVISED: JANUARY 17, 2013
DATE: JUNE 22, 2012
OPERATOR'S WELL #: SHL13AHS SERIAL No.: WV050641HS
API WELL #: 47 51 01602H6A
STATE COUNTY PERMIT

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

WATERSHED: TURKEY RUN ELEVATION: 1289.35'
COUNTY/DISTRICT: MARSHALL / SAND HILL QUADRANGLE: VALLEY GROVE, WV 7.5'
SURFACE OWNER: PAUL H. & ANNETTE A. HEMSLEY ACREAGE: 121.65±
OIL & GAS ROYALTY OWNER: SEE ATTACHED WW-6A1 ACREAGE: 434.487±

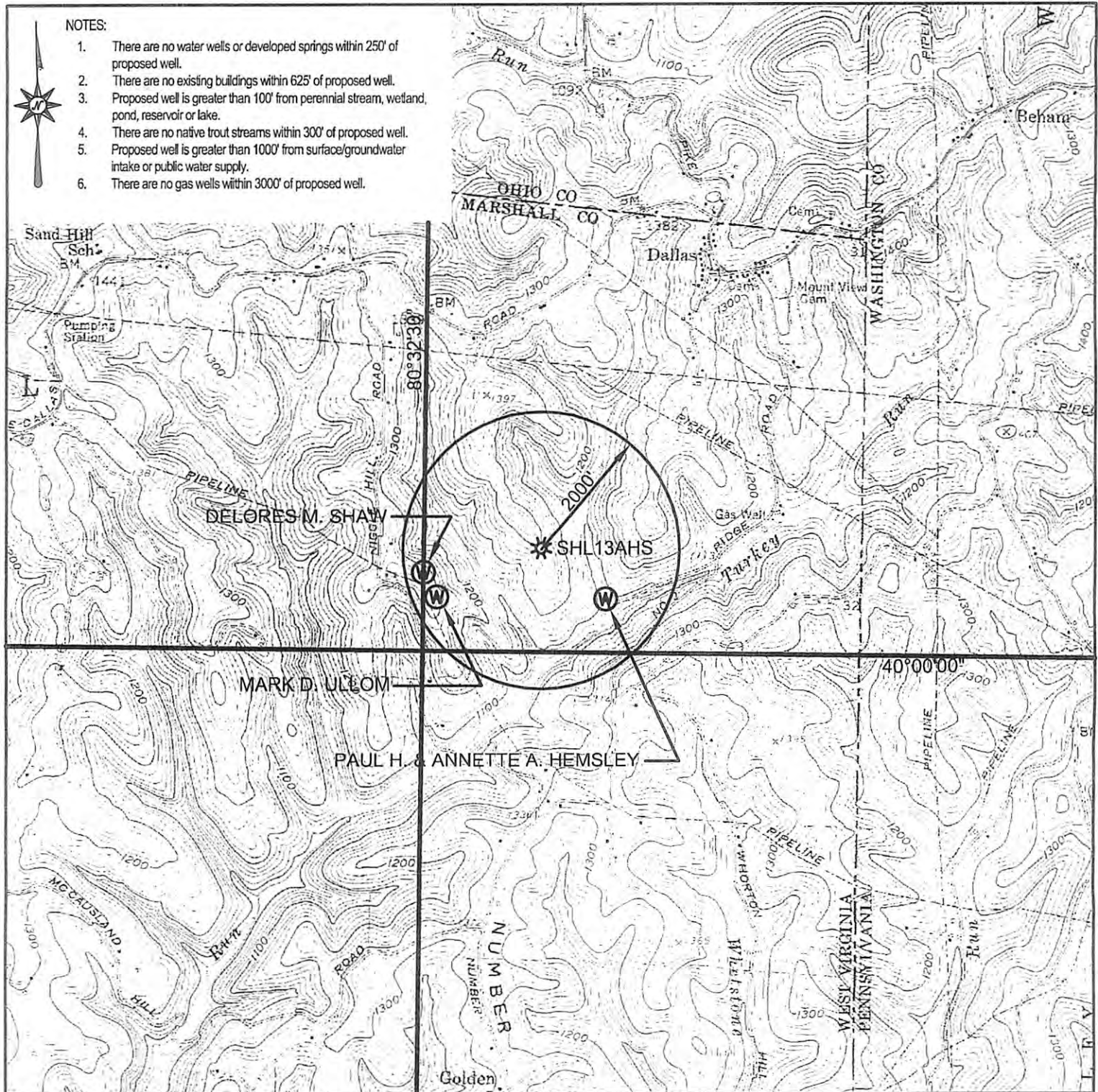
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,601'± TMD: 12,469'±
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

02/08/2013

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6. There are no gas wells within 3000' of proposed well.



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 BURTON, WV 26562
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PREPARED FOR:
 NOBLE ENERGY INC.
 333 TECHNOLOGY DRIVE
 SUITE 110
 CANONSBURG, PA 15317
 Dmlt
 8/11/12

SHL13AHS
 LOCATION MAP
 MARSHALL COUNTY
 SAND HILL DISTRICT
 WEST VIRGINIA
 TOPO QUAD: VALLEY GROVE, WV
 SCALE: 1" = 2000'
 DATE: AUGUST 30, 2012