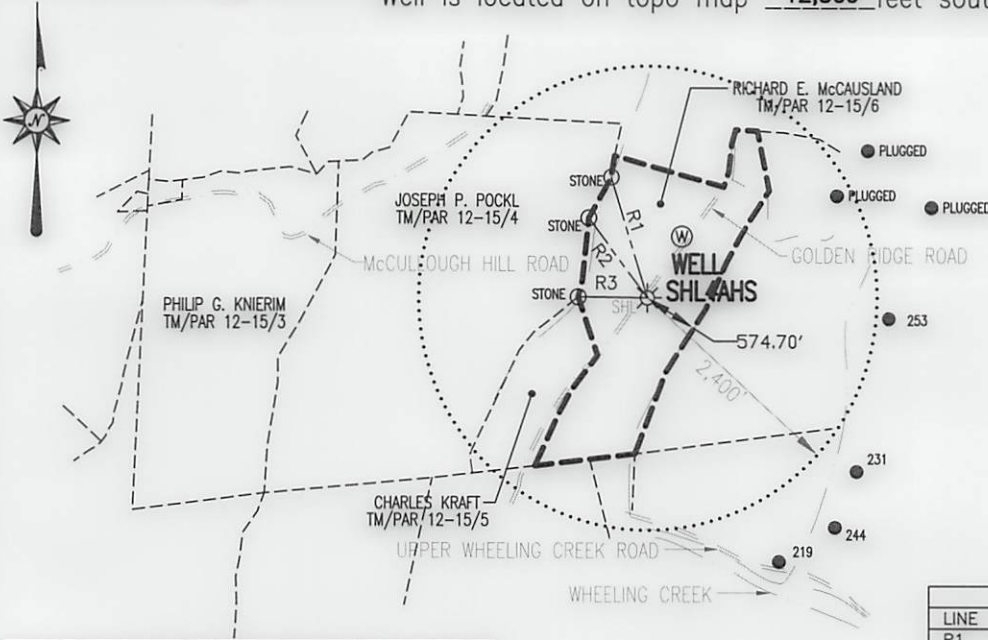


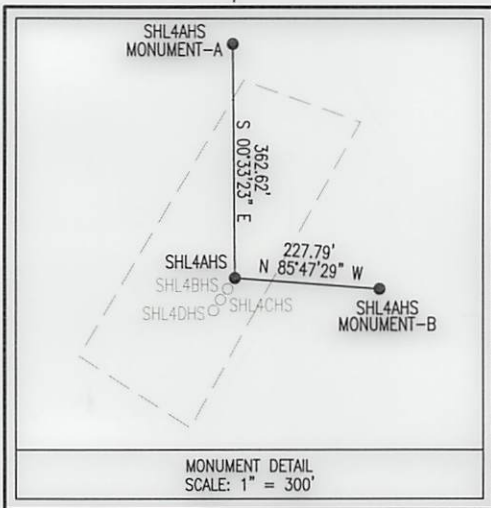
Well is located on topo map 12,509' feet south of Latitude: 40° 00' 00"

Well is located on topo map 2,797' feet west of Longitude: 80° 32' 30"



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
<b>WELLS WITHIN 3000'</b>	
	- EXISTING WELLS
	- PLUGGED WELLS

REFERENCE LINES		
LINE	BEARING	DISTANCE
R1	S 17°29'34" E	1297.96'
R2	N 37°38'32" W	1034.62'
R3	S 89°39'53" E	750.75'



SURFACE HOLE LOCATION (SHL)	
UTM 17-NAD83	N:4424051.494 E:538303.018
NAD27, WV NORTH	N:535562.785 E:1705215.449

MONUMENT-A LOCATION	
UTM 17-NAD83	N:4424161.97 E:538300.22
NAD27, WV NORTH	N:535925.38 E:1705211.93

MONUMENT-B LOCATION	
UTM 17-NAD83	N:4424047.59 E:538372.43
NAD27, WV NORTH	N:535546.07 E:1705442.62

★ NOTE: A steel plate to be affixed to the casing no more than three feet below the ground surface inscribed with the API number of the well.



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



FILE #: SHL4AHS-MONUMENT  
DRAWING #: SHL4AHS-MONUMENT  
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



PLACE SEAL HERE

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



DATE: MAY 11, 2013

OPERATOR'S WELL #: SHL4AHS

API WELL #: 47 51 01484  
STATE COUNTY PERMIT

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

WATERSHED: WHEELING CREEK ELEVATION: 1252.12'

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

SURFACE OWNER: RICHARD E. McCAUSLAND ACREAGE: 88.206±

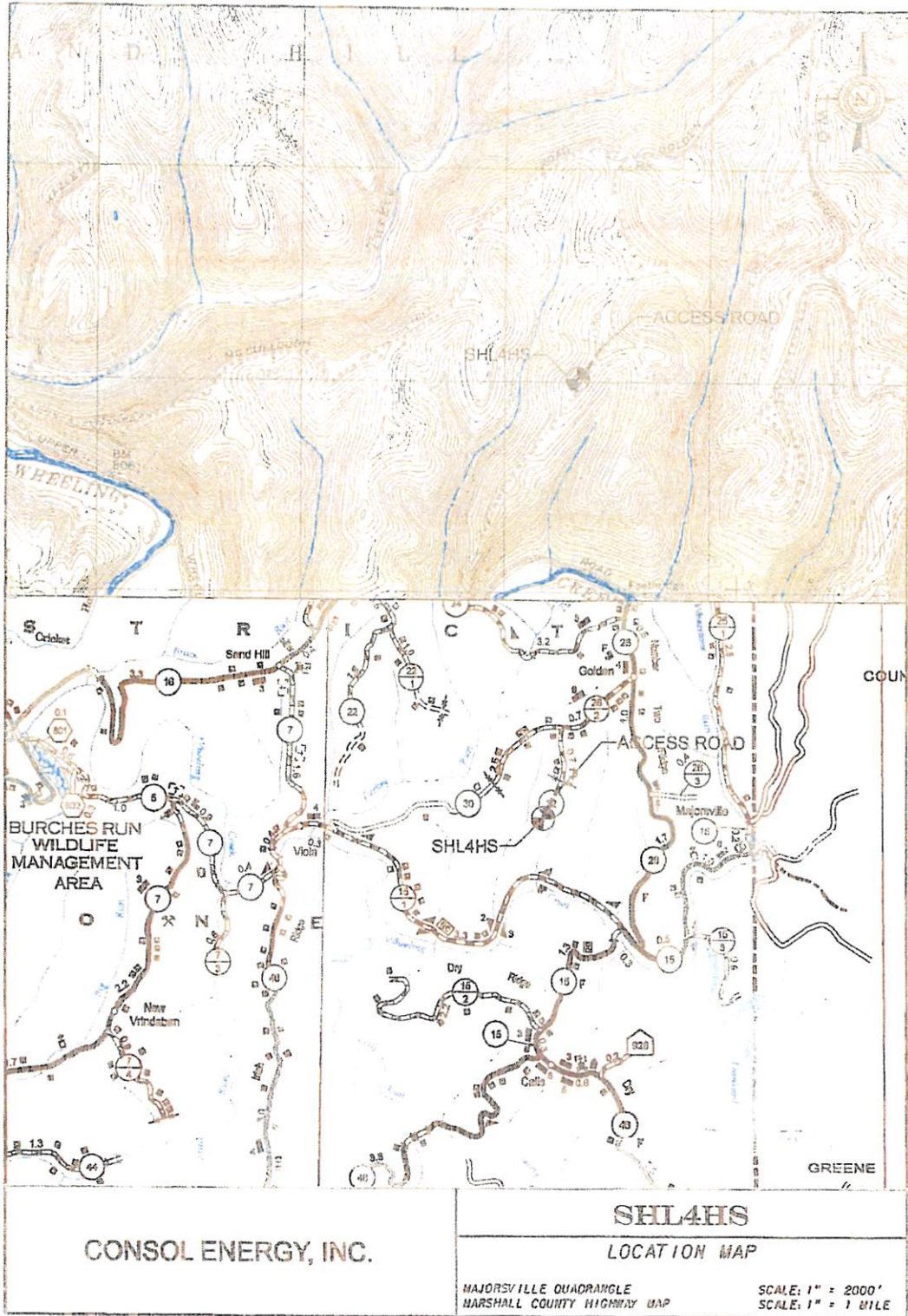
OIL & GAS ROYALTY OWNER: RICHARD E. McCAUSLAND ACREAGE: 88.206±

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: 40'±

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

07/12/2013



Received  
Office of Oil & Gas

JUN 21 2013