



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

November 25, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5100466, issued to CONSOLIDATION COAL COMPANY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.


James Martin
Chief

Operator's Well No: 4722
Farm Name: CROW, MICHAEL
API Well Number: 47-5100466
Permit Type: Plugging
Date Issued: 11/25/2014

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

5100466P

FORM WW-4(B)
Rev. 2/01

1.) Date: June 17, 2014
2.) Operator's Well No. SGW-163
3.) API Well No. 47 - 51 - 00466
State County Permit

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
APPLICATION FOR A PERMIT TO PLUG & ABANDON

4.) WELL TYPE: Oil _____ / Gas X / Liquid injection _____ / Waste disposal _____ /
(IF "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow X)

5.) LOCATION: Elevation: 1220.65' Watershed: Dunkard Fork
District: Webster 9 County: Marshall Quadrangle: Majorsville, WV-PA 7.5' 453

6.) WELL OPERATOR Consolidation Coal Company

Address 6126 Energy Road
Moundsville, WV 26041

7.) DESIGNATED AGENT Ronnie Harsh

Address 1 Bridge Street
Monongah, WV 26554

8.) OIL & GAS INSPECTOR TO BE NOTIFIED

Name James Nicholson
Address PO BOX 44
Moundsville, WV 26041

9.) PLUGGING CONTRACTOR

Name _____
Address _____

10.) WORK ORDER: The work order for the manner of plugging this well is as follows:

SEE EXHIBIT NO. 1

101C

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WV Department of
Environmental Protection

OK *[Signature]*

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector _____ Date _____

101C

EXHIBIT NO. 1

From the experience and technology developed since 1970 in plugging oil and gas wells for mining through, Consolidation Coal's Northern West Virginia Operations will utilize one of the following two methods to plug all future wells.

4½ VENT PIPE METHOD

- (a) If active well: clean out to total depth and plug back according to state regulations to a minimum of 200 feet below lowest minable coal seam.
- (b) If abandoned well: clean out to first plug 200 feet below lowest minable seam.
- (c) Run 4½ casing from surface to minimum 200 feet below lowest minable seam and circulate 50/50 poz mix cement followed by expanding cement to surface. The expanding cement shall extend from minimum 200 feet below minable coal seam to a point 100 feet above.

The 4½ will remain open from surface to a minimum of 80 feet below that minable coal seam.

SOLID PLUG METHOD

- (a) If active well: clean out to total depth and plug back according to state regulations to a minimum of 200 feet below lowest minable coal seam.
- (b) If an abandoned well: clean out to first plug 200 feet below lowest minable coal seam. .
- (c) Circulate through tubing or drill steel an expanding cement plug from a minimum of 200 feet below minable coal seam to a point 100 feet above minable coal.

Circulate through tubing or drill steel 50/50 poz mix from 100 feet above coal seam to surface.

A monument will be installed with API No. and stating "solid plug".

A4/ENGR/EXHIBIT1.1. RED

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Environmental Protection

5700466P

1) Date: October 7, 2014
2) Operator's Well No. SGW-163
3) API Well No. 47-51-00466
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) SURFACE OWNER(S) TO BE SERVED
(a) Name Wheeling Creek Watershed Commission
Address Marshall County Building 7th st.
Moundsville 26041 attn: Howard W. Coffield

5)a) COAL OPERATOR
Name CONSOLIDATION COAL CO.
Address 6126 Energy Road
Moundsville, WV 26041

(b) Name _____
Address _____

(b) COAL OWNER(S) WITH DECLARATION:
Name _____
Address _____

(c) Name _____
Address _____

(c) COAL LESSEE WITH DECLARATION:
Name _____
Address _____

(6) INSPECTOR _____
Address _____

Telephone _____

could have received this Form and the following documents:

Form WW-4B, which sets out the
Well and its location and the plugging

Application on Form WW-6.

AT YOU HAVE RIGHTS REGARDING THE APPLICATION
ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION
YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

The undersigned well operator proposes to file or has filed this Notice
to plug and abandon a well with the Chief of the Office of Oil and Gas, West
Virginia, at the location described on the attached Application and depicted
on the plat, and the plat have been mailed by registered or certified mail or delivery by
first class (under circumstances) on or before the day of mailing or delivery by the Chief.

WELL OPERATOR Consolidation Coal Company

By Ronnie Harsh
Its Project Engineer / Agent
Address 1 Bridge Street
Monongah WV 26554
Telephone (304) 534-4748

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

MOUNDSVILLE, WV 26041

OFFICIAL USE

Postage	\$ 1.40	0792
Certified Fee	\$ 3.30	15
Return Receipt Fee (Endorsement Required)	\$ 2.70	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 7.40	10/08/2014



Sent To Wheeling Creek Watershed Commission
Street, Apt. No.,
or PO Box No. Marshall County Building 7th st
City, State, ZIP+4 Moundsville, WV, 26041

PS Form 3800, August 2006 See Reverse for Instructions

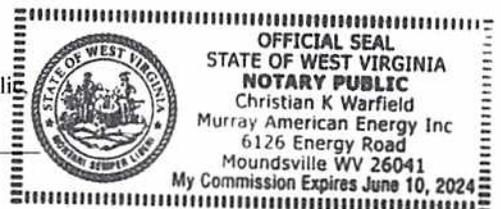
WV Department of
Environmental Protection

Subscribed and sworn before me this 10th day of October, 2014

Christian Warfield Notary Public

Marshall County, State of West Virginia

My commission expires June 10, 2024



Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

5700466P

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Consolidation Coal Company OP Code _____

Watershed Dunkard Fork Quadrangle Majorsville, 7.5'

Elevation 1220.65' County Marshall District Webster

Description of anticipated Pit Waste: N/A

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes _____ No X

Will a synthetic liner be used in the pit? N/A. If so, what mil.? _____

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Tanks, see attached letter)

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Freshwater

If oil based, what type? Synthetic, petroleum, etc.? _____

Additives to be used? Bentonite, Bicarbonate of Soda

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Reused or Disposed (see attached letter)

-If left in pit and plan to solidify what medium will be used? Cement, lime, sawdust _____

-Landfill or offsite name/permit number? _____

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature [Signature]

Company Official (Typed Name) Mason Smith

Company Official Title Project Engineer

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Office of Oil and Gas

OCT 14 2014

WV Department of
Environmental Protection

Subscribed and sworn before me this 10 day of October, 2014

Christian Warfield

Notary Public

My commission expires June 10, 2024



5700466P

**MURRAY AMERICAN ENERGY, INC.
& CONSOLIDATION COAL COMPANY**

**MURRAY AMERICAN ENERGY,
INC. & CONSOLIDATION COAL
COMPANY**

46226 National Road
St. Clairsville, OH 43950

phone: 304.843.3565

fax: 304.843.3546

e-mail: MasonSmith@coalsource.com

MASON SMITH

Project Engineer

October 8, 2014

Department of Environmental Protection
Office of Oil and Gas
601-57th Street
Charleston, WV 25320

To Whom It May Concern,

As per the Division of Environmental Protection, Office of Oil and Gas request, Consolidation Coal Company submits the following procedures utilizing pit waste.

Upon submitting a well work application (without a general permit for Oil & Gas Pit Waste Discharge Application), Consolidation Coal Company will construct no pits, but instead will use mud tanks to contain all drilling muds.

Once the well is completed, that material (minus the cave material) will be trucked to the next well to be plugged or to DEP facilities number U-0033-83, O-1001-00, U-1035-91U-46-84, U-78-83, O-1044-9, or U-100-83.

Sincerely,

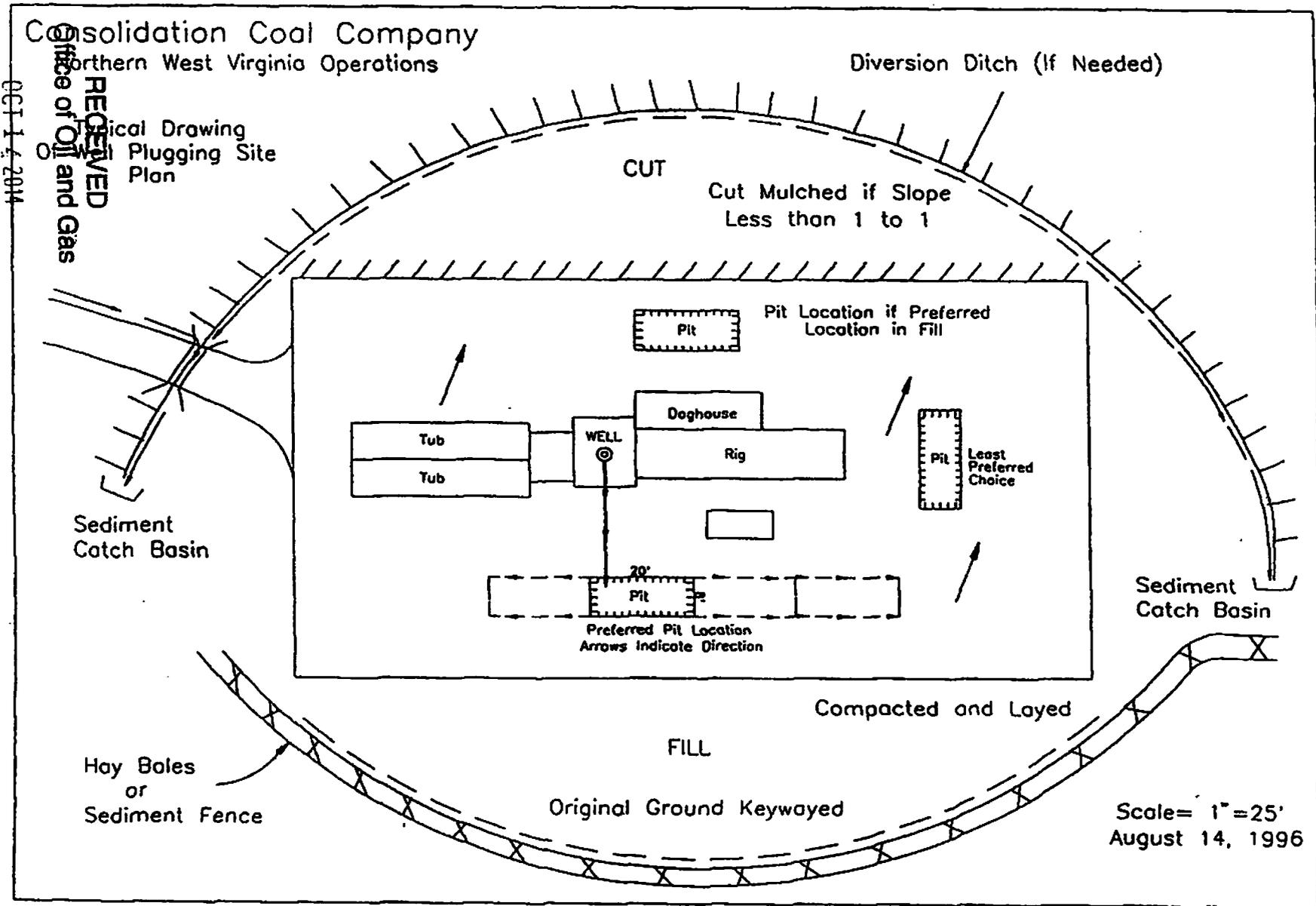


Mason Smith
Project Engineer

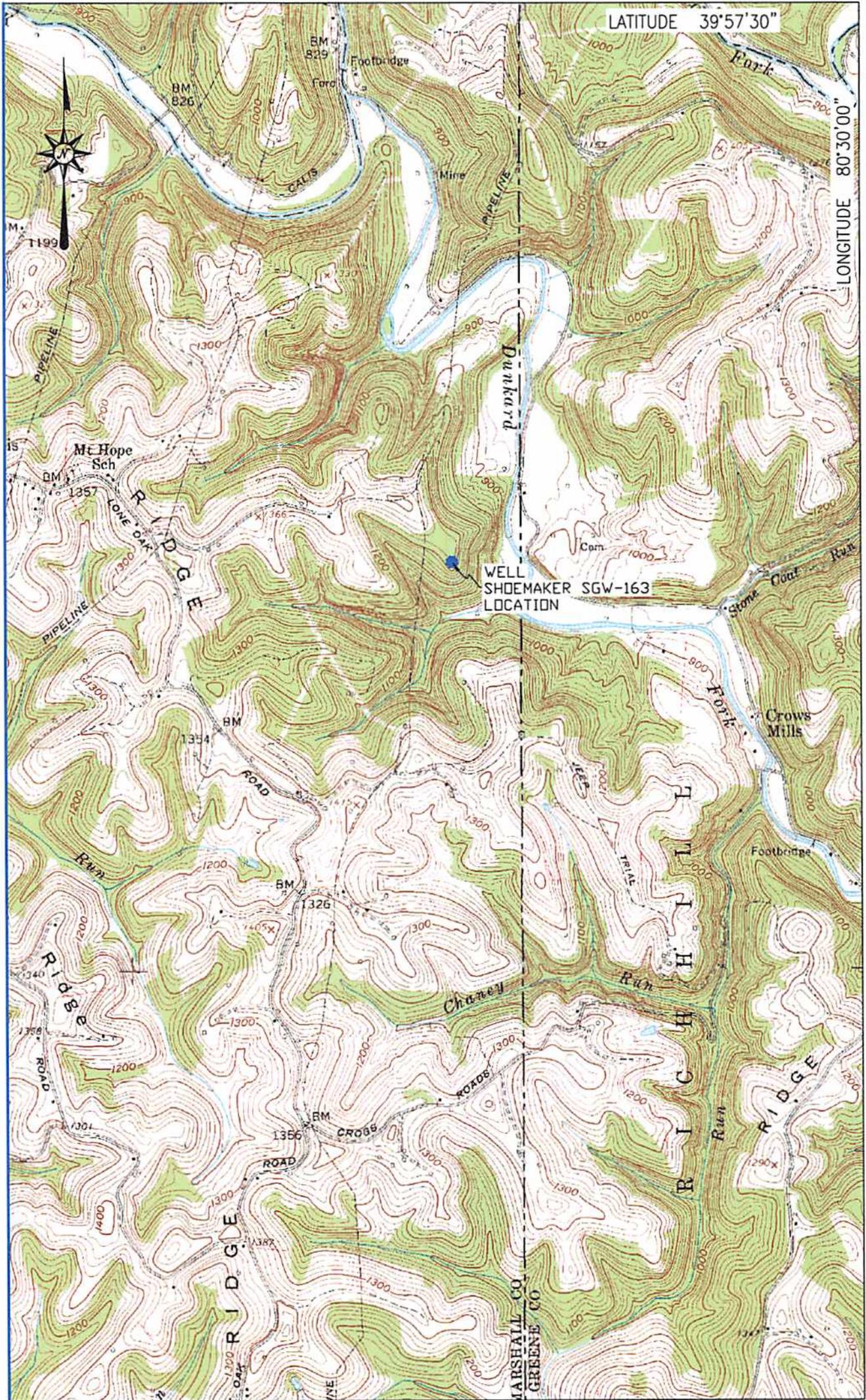
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Office of Oil and Gas

LOCATION MAP

OCTOBER 3, 2014

OCT 14 2014

Blue Mountain Inc.
 11023 MASON DIXON HWY
 BURTON, WV 26302
 PHONE: (304) 562-5486

SHOEMAKER WELL # SGW-163
 MAORSVILLE QUADRANGLE
 WEST VIRGINIA - PENNSYLVANIA

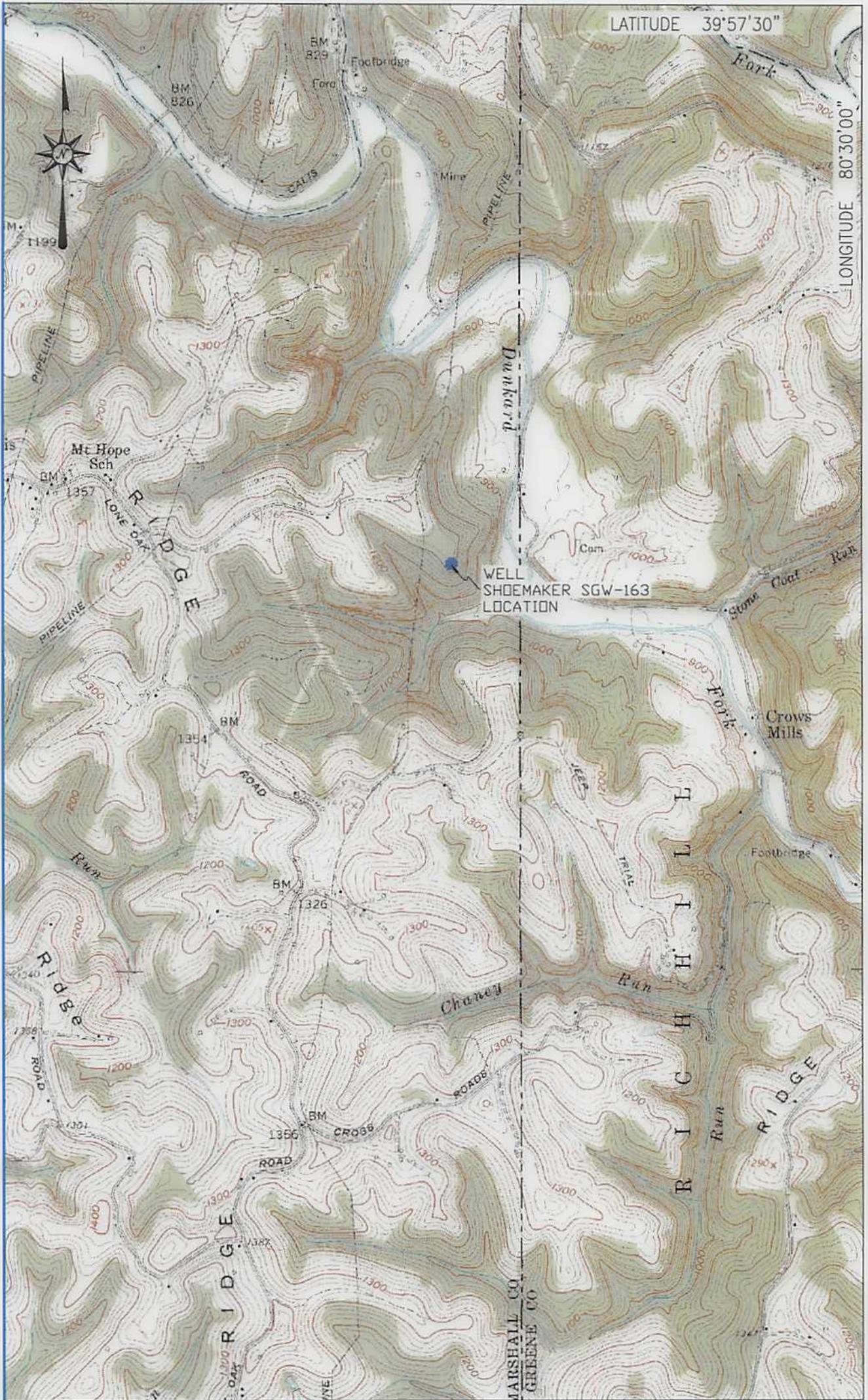
Environmental Protection

SCALE 1" = 2000'

2000' 4000' 6000'



BLUE MOUNTAIN ENGINEERING



LOCATION MAP
OCTOBER 3, 2014

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

SHOEMAKER WELL # SGW-163
 MAJORSVILLE QUADRANGLE
 WEST VIRGINIA - PENNSYLVANIA 0'

SCALE 1" = 2000'
 2000' 4000' 6000'

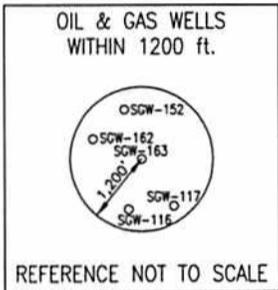


5100466P

NOTE:

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.

WELL LOCATION	
UTM 17-NAD83	
N:4420574.806	
E:540745.839	
NAD83, WV NORTH	
N:524056.953	
E:1681605.626	
LAT/LON DATUM-WGS84	
LAT:39°56'03.5045"	
LON:80°31'23.2135"	



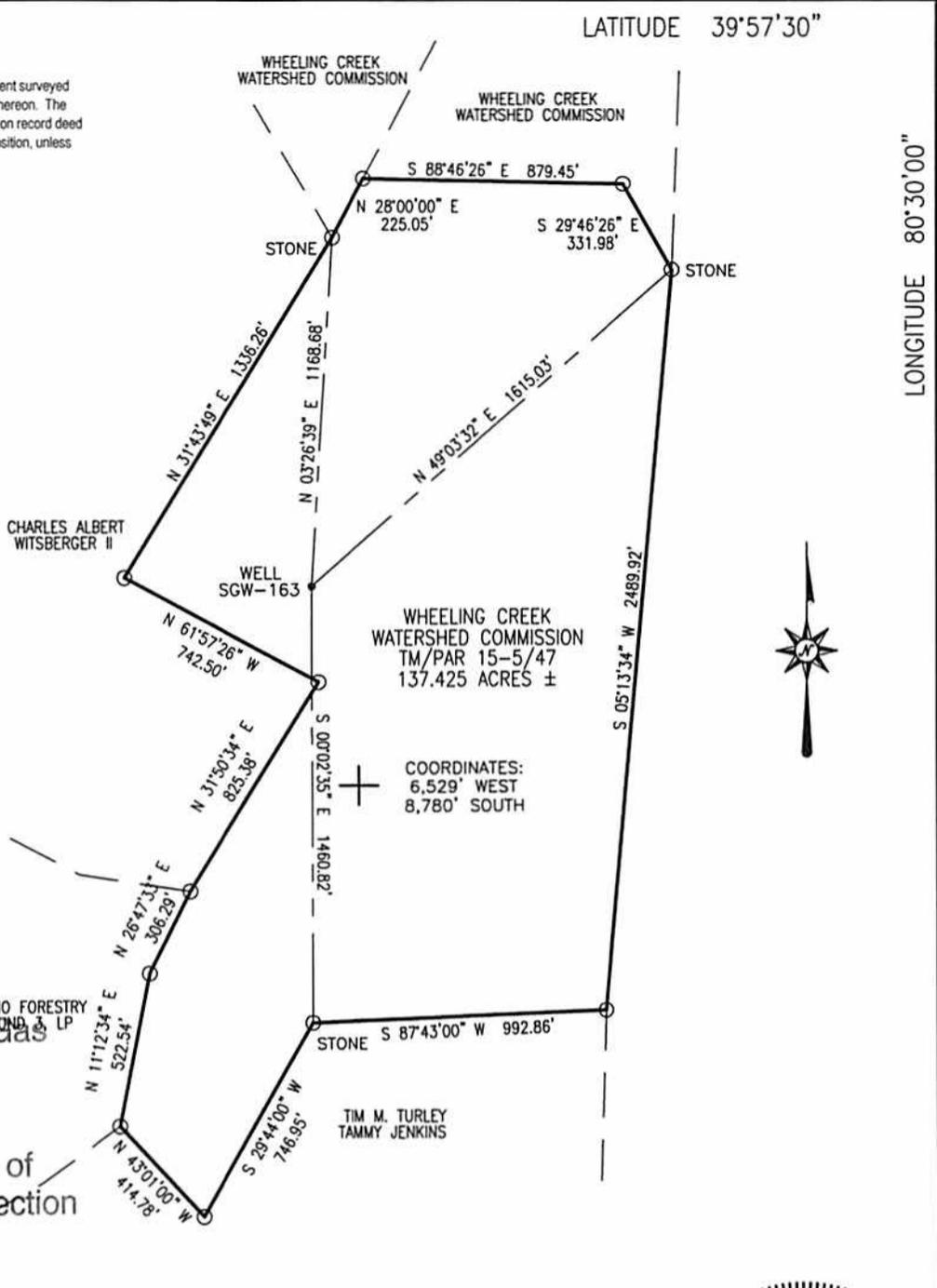
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WV Department of
Environmental Protection

Blue Mountain Inc.

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

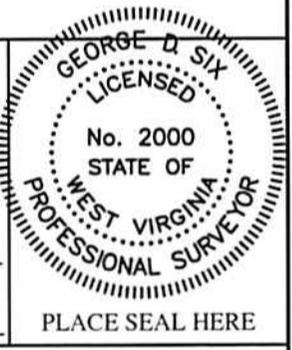


LATITUDE 39°57'30"

LONGITUDE 80°30'00"

FILE #: SGW-163
DRAWING #: SGW-163
SCALE: 1" = 600'
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



DATE: OCTOBER 3, 2014
OPERATOR'S WELL #: SGW-163
API WELL #: 47 51 00466P
STATE COUNTY PERMIT

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

WATERSHED: DUNKARD FORK ELEVATION: 1220.65'
COUNTY/DISTRICT: MARSHALL/WEBSTER QUADRANGLE: MAJORSVILLE, WV-PA 7.5'
SURFACE OWNER: WHEELING CREEK WATERSHED COMMISSION ACREAGE: 137.425±
OIL & GAS ROYALTY OWNER: _____ ACREAGE: _____
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: NONE ESTIMATED DEPTH: _____
WELL OPERATOR CONSOLIDATION COAL COMPANY DESIGNATED AGENT RONNIE HARSH
Address 6126 ENERGY DRIVE Address 6126 ENERGY DRIVE
City MOUNDSVILLE State WV Zip Code 26041 City MOUNDSVILLE State WV Zip Code 26041

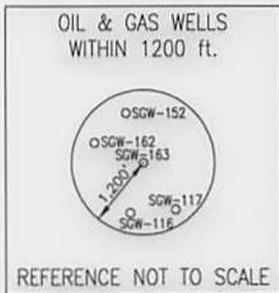
LATITUDE 39°57'30"

LONGITUDE 80°30'00"

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WELL LOCATION	
UTM 17-NAD83	
N:4420574.806	
E:540745.839	
NAD83, WV NORTH	
N:524056.953	
E:1681605.626	
LAT/LON DATUM-WGS84	
LAT:39°56'03.5045"	
LON:80°31'23.2135"	



COORDINATES:
6,529' WEST
8,780' SOUTH

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

FILE #: SGW-163
DRAWING #: SGW-163
SCALE: 1" = 600'
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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Signed: *George D. Six*
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



DATE: OCTOBER 3, 2014
OPERATOR'S WELL #: SGW-163
API WELL #: 47 51 00466 P
STATE COUNTY PERMIT

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 Gas Liquid Injection Storage Shallow

WATERSHED: DUNKARD FORK ELEVATION: 1220.65'

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

SURFACE OWNER: WHEELING CREEK WATERSHED COMMISSION ACREAGE: 137.425±

OIL & GAS ROYALTY OWNER: _____ ACREAGE: _____

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: NONE ESTIMATED DEPTH: _____

WELL OPERATOR CONSOLIDATION COAL COMPANY DESIGNATED AGENT RONNIE HARSH
Address 6126 ENERGY DRIVE Address 6126 ENERGY DRIVE
City MOUNDSVILLE State WV Zip Code 26041 City MOUNDSVILLE State WV Zip Code 26041