



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

September 30, 2014

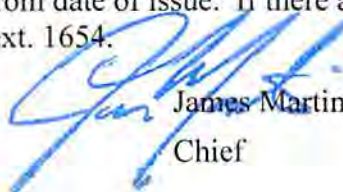
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5100450, 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: SGW-98
Farm Name: CAIN, JACK & ELIZABETH
API Well Number: 47-5100450
Permit Type: Plugging
Date Issued: 09/30/2014

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.

5700450f

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

1.) Date: March 12, 20 14
2.) Operator's Well No. SGW-98
3.) API Well No. 47 - 51 - 00450
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: 1333.62' Watershed: Unnamed Tributary to Dunkard Creek
District: Webster County: Marshall Quadrangle: Majorsville, WV 7.5'
6.) WELL OPERATOR Consolidation Coal Co. 7.) DESIGNATED AGENT Alex O'Neill
Address 6126 Energy Road Address 6126 Energy Road
Moundsville, WV 26041 Moundsville, WV 26041
8.) OIL & GAS INSPECTOR TO BE NOTIFIED 9.) PLUGGING CONTRACTOR
Name James Nicholson Name _____
Address PO Box 44 Address _____
Moundsville, WV 26041

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

SEE EXHIBIT NO. 1
101C

RECEIVED
Office of Oil and Gas
MAR 20 2014

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

Work order approved by inspector _____ Date _____

WV Department of
Environmental Protection

10/03/2014

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.

4 ½ 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 the lowest minable coal seam.
- (b) If abandoned well: clean out to first plug 200 feet below lowest minable coal seam.
- (c) Run 4 ½ casing from surface to a minimum of 200 feet below lowest minable coal seam and circulate 50/50 poz mix cement followed by expanding cement to surface. The expanding cement shall extend from a minimum of 200 feet below minable coal seam to a point 100 feet above.

The 4 ½ 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 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".

RECEIVED
Office of Oil and Gas
MAR 28 2014
WV Department of
Environmental Protection
10/03/2014

5100450P



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Quadrangle Littleton

Permit No. MAHS-450-R

Oil or Gas Well DRY

Company The MCR, Lt. and Rt. Co.
Address 800 Union Trust Bldg., Pittsburgh 19, Pa.
Farm Issac Cain Farm Acres 212

Location (waters)
Well No. 4719 Elev. 1331.540508
District Weber County Marshall

The surface of tract is owned in fee by
Address

Mineral rights are owned by
Address

Drilling commenced July 6, 1962

Drilling completed June 27, 1963

Date Shot 6/27/63 From Big Injun

With Dry Hole

Open Flow /10ths Water in _____ Inch

/10ths Merc. in _____ Inch

Volume Dry Hole _____ Cu. Ft.

Rock Pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

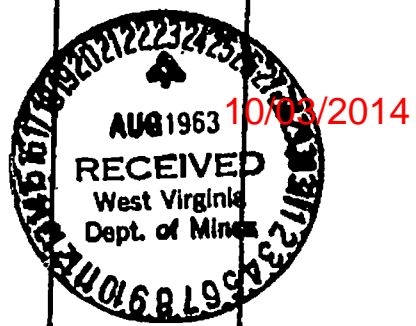
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Factors
Size			
1 3/8"	132'15"	132'15"	Kind of Packer
1 3/4"	807'12"	807'12"	Kind of
5 1/2"	1911'10"	1911'10"	Depth set
6"			Perf. top
5 3/16"			Perf. bottom
			Perf. top
			Perf. bottom

CASING CEMENTED _____ FEET _____ No. Ft. _____ Dat.

COAL WAS ENCOUNTERED AT 798 FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Thickness Feet	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pittsburgh Coal		5	798	803			
Gas Sand		42	1456	1498			
1st Salt Sand		38	1567	1605			
3rd Salt Sand		76	1775	1851			
Big Injun			1881				
Redrilled to original depth of 2075'							
TOTAL DEPTH				2075			Obtained from Gordon Kay, Gordon-Gordon & Induction Surveyors Fay Street 1966-2014 Shaded Out DRY HOLE



5100450 P

FORM WW-4(A)
Revised 6-07

1) Date: March 12, 2014
2) Operator's Well No. SGW 98
3) API Well No. 47-51-00450
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 Jack and Elizabeth Cain
Address RR 4 Box 251
Cameron, WV 26033

(b) Name _____
Address _____

(c) Name _____
Address _____

(6) INSPECTOR _____
Address _____

Telephone _____

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

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

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

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application to Plug and Abandon a Well on form WW-4B, which sets out the parties involved in the work, and describes the well and its location and the plugging work order; and
- (2) The Plat (surveyor's map) showing the well location on Form WW-6.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM WW-4(B) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivery by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery by the Chief.

WELL OPERATOR Consolidation Coal Company
By Alex O'Neill
Its Project Engineer / Agent
Address 6126 Energy Road
Moundsville, WV 26041
Telephone 304-843-3535

Subscribed and sworn before me this 13th day of March, 2014
Nancy Lucido Notary Public
Marshall County, State of West Virginia
My commission expires Sept 2, 2020, 20



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.

10/03/2014

S100450P

T94D 559E E000 005E T102

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

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

CAMERON WV 26033

Postage	\$	\$1.40	
Certified Fee		\$3.30	
Return Receipt Fee (Endorsement Required)		\$2.70	
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$7.40	

03/21/2014

Sent To: Jack & Elizabeth Cain ✓
 Street, Apt. No., or PO Box No.: RR 4 Box 251
 City, State, ZIP+4: Cameron WV 26033

PS Form 3800, August 2008 See Reverse for Instructions

Received

MAR 21 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

10/03/2014

SURFACE OWNER WAIVER

Operator's Well
Number

SGW-98

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

RECEIVED
Office of Oil and Gas
SEP 9 2014
WV Department of
Environmental Protection

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

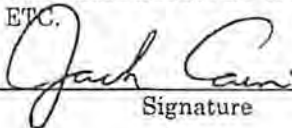
VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,


Signature

Date 9-2-14 Name _____
By _____
Its _____

Signature Date

5100450 P

WW-9
Rev. 5/08

Page _____ of _____
API Number 47 - 051 - 00450
Operator's Well No. SGW-98

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 10950

Watershed Unnamed Tributary to Dunkard Creek Quadrangle Majorsville, WV 7.5'

Elevation 1333.62' 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) Alex O'Neill

Company Official Title Project Engineer

RECEIVED
Office of Oil and Gas

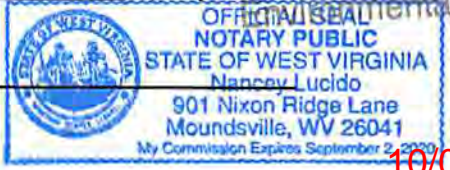
Subscribed and sworn before me this 13th day of March, 2014

MAR 20 2014

[Signature]

Notary Public
OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Nancy Lucido
901 Nixon Ridge Lane
Moundsville, WV 26041
My Commission Expires September 2, 2019

My commission expires Sept 2, 2020



10/03/2014

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

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

6126 Energy Road
Moundsville, West Virginia 26041

phone: 304.843.3527

fax: 304.843.3511

e-mail: AlexO'Neill@coalsource.com

ALEX O'NEILL
Project Engineer

March 12, 2014

Department of Environmental Protection
Office of Oil and Gas
601-57th Street
Charleston, WV 25304

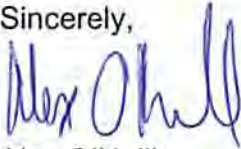
To Whom It May Concern,

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, U-104-83, or U-100-83.

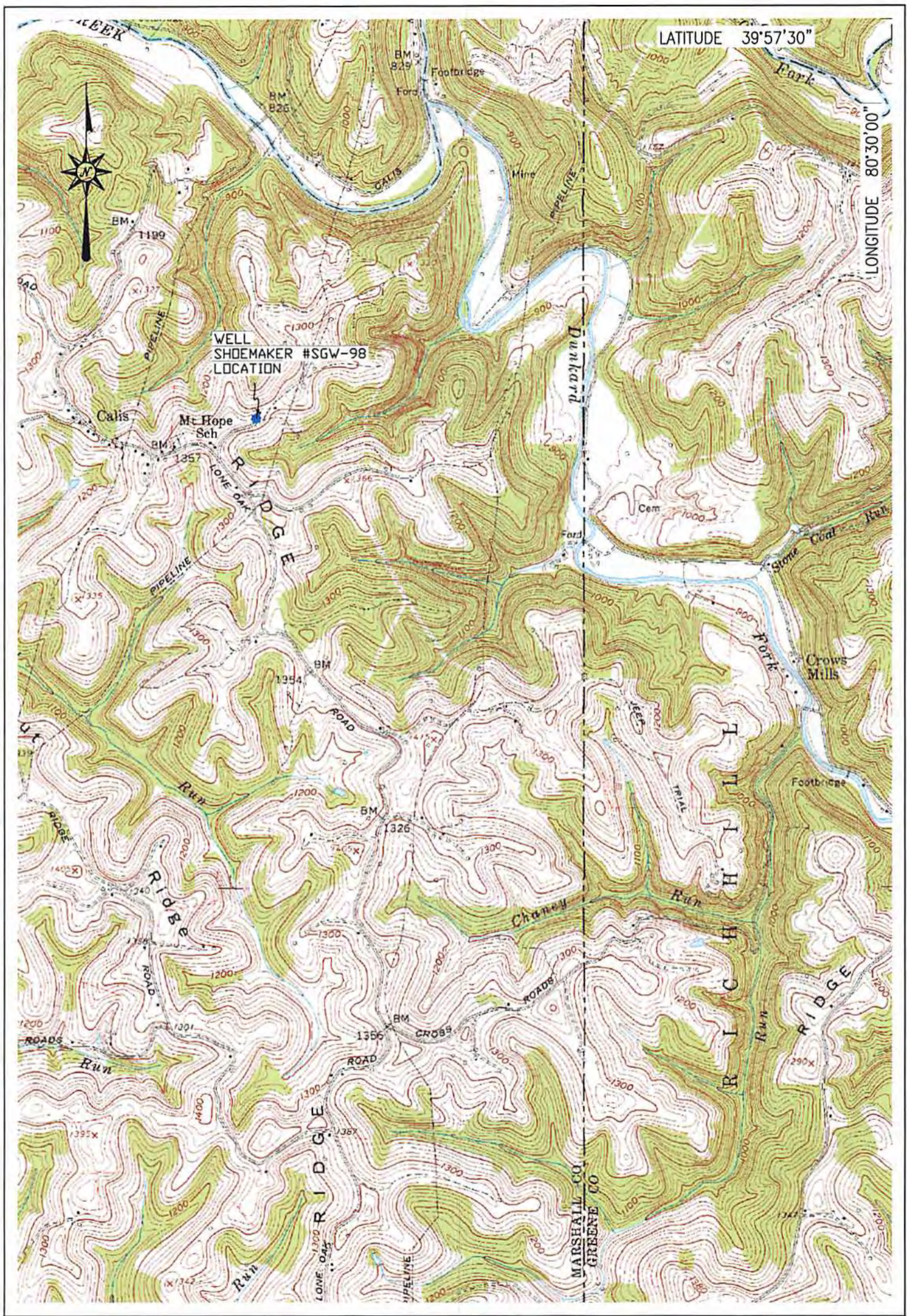
Sincerely,



Alex O'Neill
Project Engineer

RECEIVED
Office of Oil and Gas
MAR 20 2014
WV Department of
Environmental Protection

5100450P

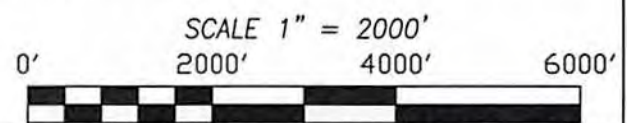


LOCATION MAP
MARCH 10, 2014

10/03/2014


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

SHOEMAKER WELL # SGW-98
 MAJORSVILLE QUADRANGLE
 WEST VIRGINIA



BLUE MOUNTAIN ENGINEERING

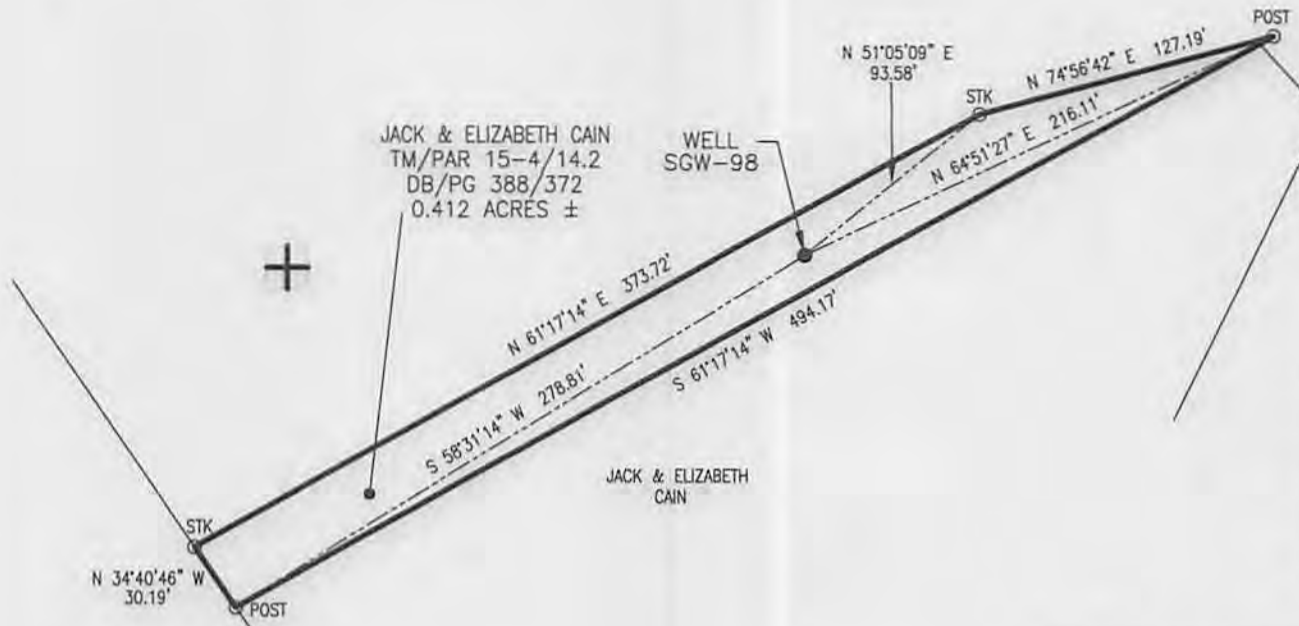
Well is located on topo map 6,987 feet south of Latitude: 39° 57' 30"

Well is located on topo map 11,192 feet west of Longitude: 80° 30' 00"



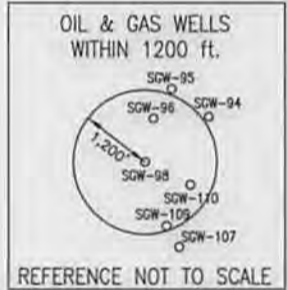
WELL LOCATION
UTM 17-NAD83
N:4421174.222
E:539325.277
 NAD83_WV NORTH
 N:526101.920
 E:1676977.000
 LAT/LON DATUM-WGS84
 LAT:39°56'23.188"
 LON:80°32'22.935"

DANFORD L. & DEBORAH A. O'BRIAN



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

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.



FILE #: SGW-98
 DRAWING #: SGW-98
 SCALE: 1" = 80'
 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: *[Signature]*
 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: MARCH 10, 2014
 OPERATOR'S WELL #: SGW-98
 API WELL #: 47 51 00450
 STATE COUNTY PERMIT

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

WATERSHED: UNNAMED TRIBUTARY TO DUNKARD FORK ELEVATION: 1333.62'
 COUNTY/DISTRICT: MARSHALL/WEBSTER QUADRANGLE: MAJORSVILLE, WV-PA 7.5'
 SURFACE OWNER: JACK & ELIZABETH CAIN ACREAGE: 0.412±
 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 CO. DESIGNATED AGENT ALEX O'NEILL
 Address 6126 ENERGY ROAD Address 6126 ENERGY ROAD
 City MOUNDSVILLE State WV Zip Code 26041 City MOUNDSVILLE State WV Zip Code 26041

10/03/2014