



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

August 12, 2014

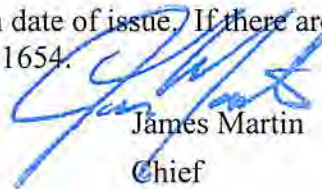
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-700803, issued to ROSS & WHARTON GAS CO INC, 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: 1-42
Farm Name: ROSS, MIKE
API Well Number: 47-700803
Permit Type: Plugging
Date Issued: 08/12/2014

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.

1) Date April 1, 2014
2) Operator's Well No. Belknap, Donnie #1
3) API Well No. 47-007 - 00803

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ___ / Gas X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production X or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 1157 Watershed _____
District Otter County Braxton Quadrangle Burnsville

6) Well Operator Ross & Wharton 7) Designated Agent Mike Ross
Address Route 5 Box 29 Address PO Box 219
Buckhannon, WV 26201 Coalton, WV 26257

8) Oil and Gas Inspector to be notified Name Bryan Harris
Address: PO Box 157
Volga, WV 26238
9) Plugging Contractor Name Unknown
Address _____

10) Work Order: The work order for the manner of plugging this well is as follows:

2365 - TD

Run 6% Gel between each plug

2365 - 2100 Set Cement Plug (PERFS)

1050 - 950 Set Cement Plug

^{175'-0}
425 - 0 Set Cement Plug

Set Monument with API Number

*FREEPOINT 4 1/2" CASING
AND REMOVE ALL FREE CASING
SET A MINIMUM 100' CLASS A
CEMENT PLUG ACROSS
4 1/2" CASING CUT.*

RECEIVED
Office of Oil and Gas

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

MAY 12 2014

Work order approved by inspector Bryan O'Hara

WV Department of
Environmental Protection
Date 5/12/2014

08/15/2014

700803A

Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools 3/27/69
Storage Post-A-CEN
Gas
Oil or Gas Well (KIND)

Quadrangle Burnsville 7-21
Permit No. BRAX - 803

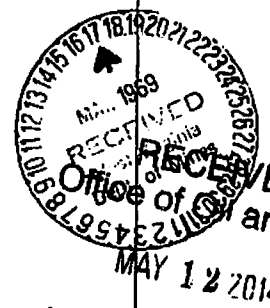
WELL RECORD

Company White Shield Oil & Gas Corporation
Address P.O. Box 2139 - Tulsa, Okla. 74101
Farm Donnie Belknap Acres 53
Location (waters) _____
Well No. One Elev. 1157'
District Otter County Braxton
The surface of tract is owned in fee by Arden Williams
Address (Not available)
Mineral rights are owned by * See footnote
Address _____
Drilling commenced 12-10-68
Drilling completed 12-17-68
Date Shot 12-17-68 From 2156' To 2336'
With Various
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls. 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) w/2046 BW 60,000# 20-40 sand, 30,000# 10-20 sand, 250# J-166, 4.0 gals. F52
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 1.5 MMCFPD 1,500,000
ROCK PRESSURE AFTER TREATMENT 560# HOURS _____
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2156'

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			Depth set
8 5/8	124'	124'	
6 3/4			
5 3/16			
4 1/2	2350'	2350'	
3			Perf. top 2156'
2			Perf. bottom 2336'
Liners Used			Perf. top _____
			Perf. bottom _____

Attach copy of cementing record.
CASING CEMENTED 2350' SIZE 4 1/2 No. Ft. 12-17-68 Date
Amount of cement used (bags) 250 SX.
Name of Service Co. _____
COAL WAS ENCOUNTERED AT NONE FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	458	* Equitable Gas Company		
Sand & Shale			458	955	420 Boulevard, Pittsburgh, Pa.		
Sand & Shale			955	1072			
Sand & Shale			1072	1489	Donnie Belknap		
Sand & Shale			1489	1631	Exchange, West Virginia		
Sand & Shale			1631	1885			
Shale, Red Rock			1885	1975	Charles Shock Heirs		
Little Lime			1975	2017	(No address)		
Pencil Cave			2017	2033			
Big Lime			2033	2185			
Big Lime			2185	2260			
Big Lime			2260	2350			
				2365	T.D.		



1157

WV Department of Environmental Protection
08/15/2014

1) Date: April 1, 2014
2) Operator's Well Number
Belknap, Donnie #1
3) API Well No.: 47 - 007 - 00803

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:	5) (a) Coal Operator
(a) Name <u>Mike Ross</u> ✓	Name <u>N/A</u>
Address <u>PO Box 219</u>	Address _____
<u>Coalton, WV 26257</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Bryan Harris</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 157</u>	Name <u>N/A</u>
<u>Volga, WV 26238</u>	Address _____
Telephone <u>304-553-6087</u>	_____

TO THE PERSONS 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 its 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 reverses side. However, you are not required to take any action at all.

Take notice that 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 delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator Ross & Wharton (Mike Ross Inc.)
 By: Mike Ross
 President
 Address PO Box 219
Coalton, WV 26257
 Telephone 304-472-4289

Subscribed and sworn before me this 22nd day of April, 2014
Brenda K Bush Notary Public MAY 12 2014
 My Commission Expires September 27, 2020

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.

RECEIVED
Office of Oil and Gas
MAY 12 2014
WV Department of
Environmental Protection

SURFACE OWNER WAIVER

Operator's Well
Number

Belknap, Donnie #1

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

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

FOR EXECUTION BY A CORPORATION,

Mike Russ

Date 5/7/14

Name _____

By _____

Its _____

Signature

Signature

08/15/2014
Date

700803A

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 Ross & Wharton (Mike Ross Inc.) OP Code 305680

Watershed _____ Quadrangle Burnsville

Elevation 1157 County Braxton District Otter

Description of anticipated Pit Waste: Plugging Fluid

Will a synthetic liner be used in the pit? ~~NO~~ YES . 20 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 _____)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain _____)
- Swabbing
- Plugging

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 *Mike Ross*

Company Official (Typed Name) Mike Ross

Company Official Title President






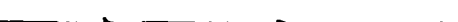
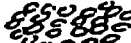




Subscribed and sworn before me this 22nd day of April, 2014








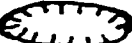

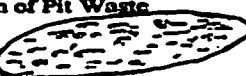
Brenda K Bush

My commission expires September 27, 2020

RECEIVED
Office of Oil and Gas
AUG 12 2014
Notary Public
BRENDA K BUSH
ROUTE 5 BOX 112B
BUCKHANNON, WV 26201
My commission expires September 27 2020
WV Department of Environmental Protection
08/15/2014

LEGEND

- Property Boundary 
- Road 
- Existing Fence 
- Planned Fence 
- Stream 
- Open Ditch 
- Rock 
- North 
- Buildings 
- Water wells 
- Drill site 

- Diversion 
- Spring 
- Wet Spot 
- Drain Pipe with size in inches 
- Waterway 
- Cross Drain 
- Artificial Filter Strip 
- Pit: cut walls 
- Pit: compacted fill walls 
- Area for Land Application of Pit Waste 

Proposed Revegetation Treatment: Acres Disturbed 1 Acre Prevegetation pH 6.5
 Lime 2 Tons/acre or to correct to pH 6.5
 Fertilizer (10-20-20 or equivalent) 50% lbs/acre (500 lbs minimum)
 Mulch _____ Tons/acre

Seed Mixtures

Seed Type	Area I		Area II	
	Seed Type	lbs/acre	Seed Type	lbs/acre
Fescue				
Contractors Mix				

Attach:
 Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Bryan O'Hanlon 5-7-14

Comments: _____

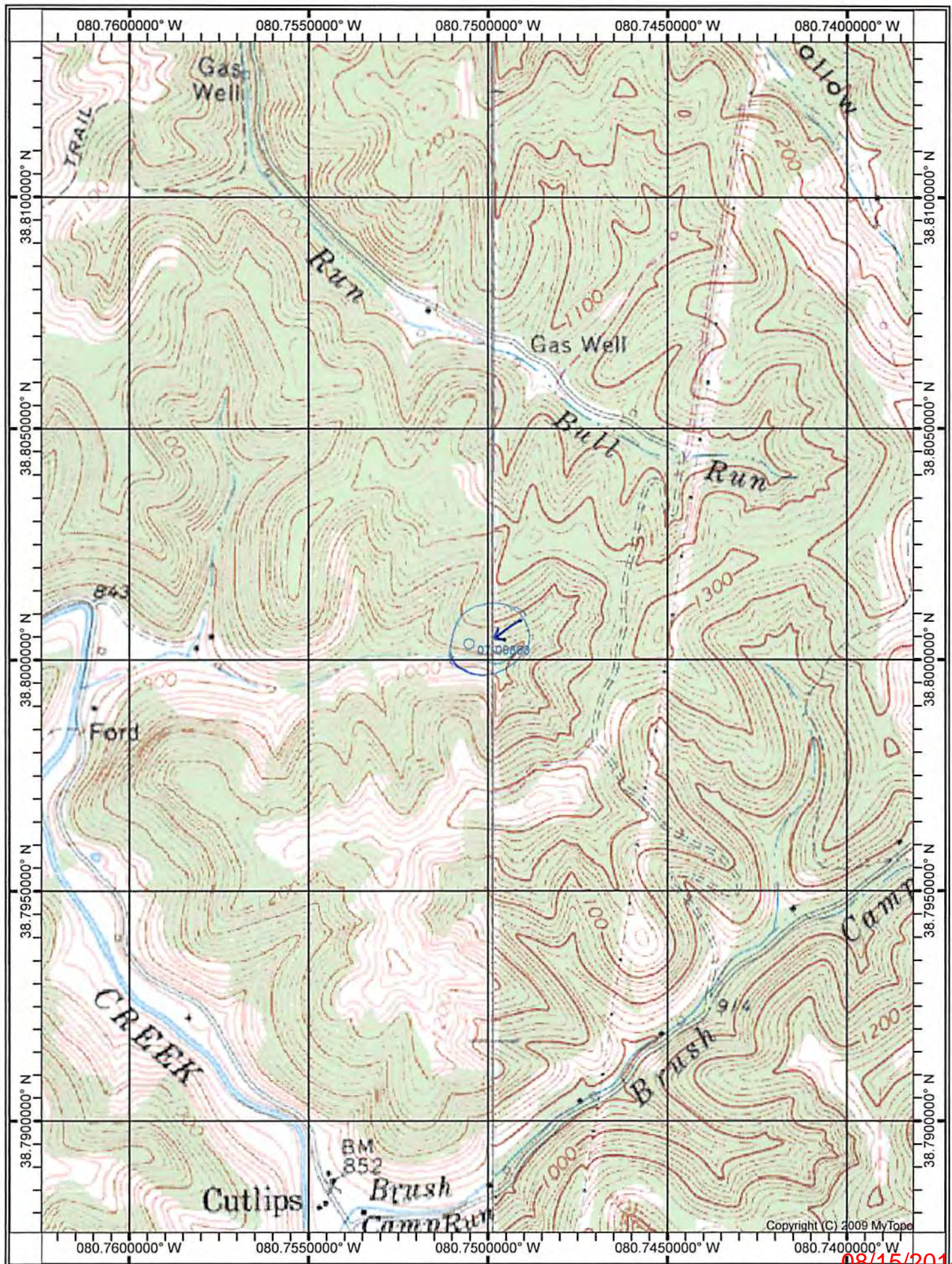
Title: President

Date: April 1, 2014

Field Reviewed? () Yes (X) No

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 Office of Oil and Gas
 MAY 12 2014
 WV Department of
 Environmental Protection
 08/15/2014

700803P



08/15/2014

700803P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-007-00803 WELL NO.: 1

FARM NAME: Belknap, Donnie

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Braxton DISTRICT: Otter 3

QUADRANGLE: Burnsville 272

SURFACE OWNER: Mike Ross

ROYALTY OWNER: Donnie Belknap

UTM GPS NORTHING: 4294652.9

UTM GPS EASTING: 521666.9 GPS ELEVATION: 1157

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____ : Post Processed Differential ____
Real-Time Differential ____

Mapping Grade GPS ____ : Post Processed Differential ____
Real-Time Differential ____

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

Mike Ross

Signature

President

Title

RECEIVED
Office of Oil and Gas
April 12 2014
WV Department of Environmental Protection
Date

08/15/2014