



**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

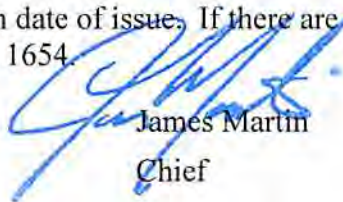
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-701205, 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: HALLANAN 1  
Farm Name: HITE, BILLY FRANK JR.  
**API Well Number: 47-701205**  
**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.

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### CONDITIONS

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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. Hallahan #1  
3) API Well No. 47-007 - 01205

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 980 Watershed Copen Creek - LK River  
District Salt Lick 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 Bryan Harris  
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

2285 - 2050 Set Cement Plug

1650 - 1550 Set Cement Plug

1030 - 930 Set Cement Plug

<sup>350</sup>100 - 0 Set Cement Plug Casing Seat, Coal, Freshwater

Set Monument with API Number

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

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

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Work order approved by inspector Bryan O'Hanni Date MAY 18 2014

WV Department of  
Environmental Protection  
08/15/2014



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OCT 19 1990  
DEPT. OF ENERGY

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
Oil and Gas Division  
WELL RECORD

#1 Hallanan ✓

Rotary X Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas X  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Quadrangle Burnsville  
Permit No. Brax-1205  
47-007-1205

Company <u>Braxton Oil &amp; Gas Corp.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>2821 N.W. 50th St. Okla. City, Okla.</u>				
Farm <u>Effie Hallanan</u> Acres <u>24.75</u>	Size			
Location (waters) <u>Copen Creek-L. K. River</u>	20-16			
Well No. <u>one</u> Elev. <u>980'</u>	Cond.			
District <u>Salt Lick</u> County <u>Braxton</u>	13-10"			
The surface of tract is owned in fee by _____	9 5/8	302'	302'	135 sks. Howco
<u>W. P. Knight, heirs</u>	8 5/8			
Address <u>Burnsville, W. Va.</u>	7			
Mineral rights are owned by <u>Effie Hallanan</u>	5 1/2		2360'	130 sks. Howco
Et als Address <u>Huntington, W. Va.</u>	4 1/2			
Drilling Commenced <u>7/8/77</u>	3			
Drilling Completed <u>7/12/77</u>	2 1" siphon		2200'	
Initial open flow <u>show</u> cu. ft. <u>0</u> bbls.	Liners Used			
Final production <u>500</u> cu. ft. per day <u>0</u> bbls.				
Well open <u>3</u> hrs. before test <u>520</u> RP.				
Well treatment details: <u>7/28/77</u> Howco				
<u>Acid - 2500 gal.</u> <u>Water - 970 bbls.</u> <u>Sand - 50,000 20/40</u>				

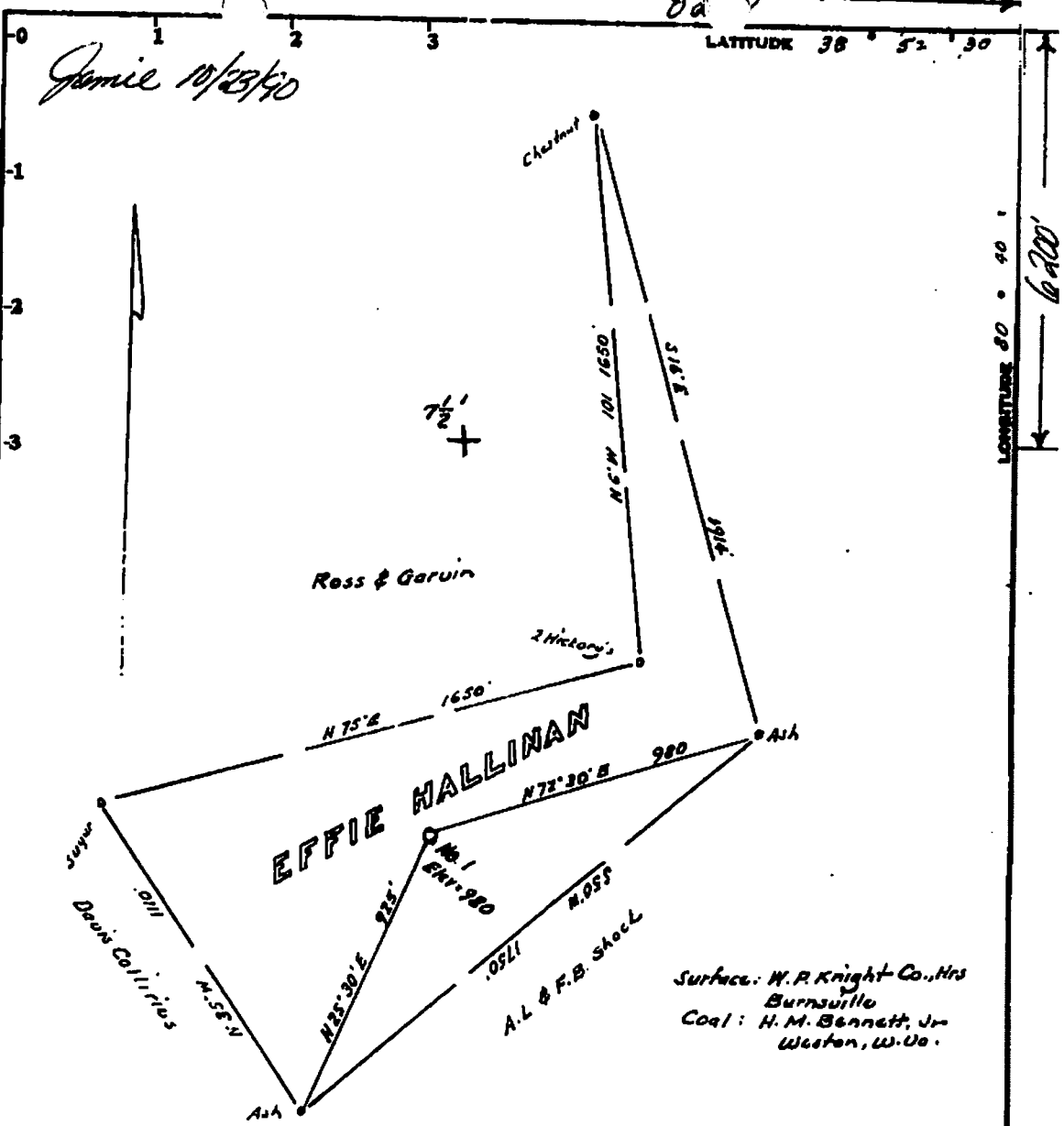
Attach copy of cementing record.

Coal was encountered at 255 Feet 48 Inches  
Fresh water none Feet \_\_\_\_\_ Salt Water 1745 Feet \_\_\_\_\_  
Producing Sand Big Injun & Squaw Depth 2080-2196 2196-2282

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock & shale			0	160		
Sand			160	2140		
Slate			240	255		
Coal			255	259		
Slate & shale			259	620		
Red Rock & shale			620	840		
Sandy shale			840	1230		
Slate & shale			1230	1600		
Sand			1600	1675		
Shale			1675	1690		
Sand			1690	1720		
Sandy shale			1720	1760		
Sand			1760	1855		
Sandy shale			1855	1990		
Pencil Cave			1990	2004		
Big Lime			2004	2080		
Big Injun			2080	2196		show gas 2190-96
Squaw			2196	2282		T. D.
Siltstone			2282	2365		

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WV Department of Environmental Protection

\* Indicates Electric Log tops in the remarks section.



Minimum Error of Closure 1 in 200

Source of Elevation BM at mouth of Carter Hollow = 806

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: [Signature]  
Squares: N S E W

Fracture   
 New Location   
 Drill Deeper   
 Abandonment  - 10/24/90

Map No. \_\_\_\_\_  
 Company Breaston Oil & Gas Corp  
 Address 1500 Holladay Square, Suite 103, Charleston, WV  
 Farm Effie Hallinan W.P. Knight  
 Tract \_\_\_\_\_ Acres 24.75 Lease No. \_\_\_\_\_  
 Well (Farm) No. One Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 980  
 Quadrangle Burnsville 7 1/2'  
 County Breaston District Salt Lick  
 Engineer [Signature]  
 Engineer's Registration No. 1227 440 200  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date June 21, 1977 Scale 1" = 400'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 73118  
**WELL LOCATION MAP**  
 FILE NO. BRAX-1205 - RECEIVED  
 Office of Oil and Gas  
 Plugging Cancelled  
 + Denotes location of well on United States Topographic Maps, scale 1 to 25,000, latitude and longitude lines being represented by border lines as shown.  
 - Denotes one inch spaces on border line of original tracing.  
 MAY 12 2014  
 WV Department of Environmental Protection  
 47-007 Environmental Protection

701205P

WW-4A  
Revised 6-07

1) Date: April 1, 2014  
2) Operator's Well Number  
Hallahan #1  
3) API Well No.: 47 - 007 - 01205

**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>Billy Frank Hite Jr.</u>	Name <u>N/A</u>
Address <u>PO Box 798</u>	Address _____
<u>Jane Lew, WV 26378</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	<u>Ross &amp; Wharton (Mike Ross Inc)</u>
By	<u><i>Mike Ross</i></u>
Its	<u>President</u>
Address	<u>PO Box 219</u>
	<u>Coalton, WV 26257</u>
Telephone	<u>304-472-4289</u>

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

Notary Public **RECEIVED**  
**Office of Oil and Gas**

**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](mailto:depprivacyofficer@wv.gov).

**MAY 12 2014**  
**WV Department of Environmental Protection**  
**08/15/2014**

701205P

# Mike Ross Inc.

(304) 472-4289 (Office) Box 219 Coalton, WV 26257 (304) 472-7405 (Fax)

May 7, 2014

Billy Frank Hite Jr.  
PO Box 798  
Jane Lew, WV 26378

Re: Hallanan #1 Plugging Permit

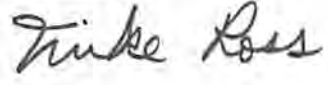
Dear Billy:

Mike Ross Inc. is in the process of applying for a permit to plug the above referenced well. Enclosed are copies of the Notice and Application for well plugging permits and the location plats.

Please note the instructions on the surface owner waiver. If you have no objection to the plugging being done, please sign the waiver and return it to our office.

If you have any questions, please do not hesitate to contact this office.

Thank you,



Mike Ross Inc.

7017 2000 0002 1100

0450 8952 1000 0002 1100

<b>U.S. Postal Service™</b>	
<b>CERTIFIED MAIL™ RECEIPT</b>	
<i>(Domestic Mail Only; No Insurance Coverage Provided)</i>	
For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
<b>OFFICIAL USE</b>	
Postage	\$ 0.90
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 6.90</b>

5/9/14  
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WV Department of Environmental Protection

Sent To  
Billy Frank Hite Jr.  
PO Box 798  
Jane Lew, WV 26378

PS Form 3800, August 2006 See Reverse for Instructions

08/15/2014

701205f

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 Copen Creek - LK River Quadrangle Burnsville

Elevation 980 County Braxton District Salt Lick

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*

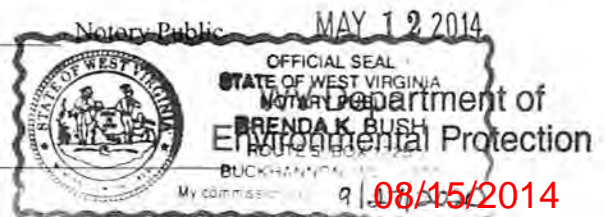
Company Official (Typed Name) Mike Ross

Company Official Title President

Subscribed and sworn before me this 22nd day of April, 2014 RECEIVED Office of Oil and Gas

Brenda K Bush

My commission expires September 27, 2020





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 lbs/acre	Seed Type	Area II 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: Ray O'Hara 5-7-14

Comments: \_\_\_\_\_

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Office of Oil and Gas

MAY 1 2 2014

Title: President

Date: April 1, 2014

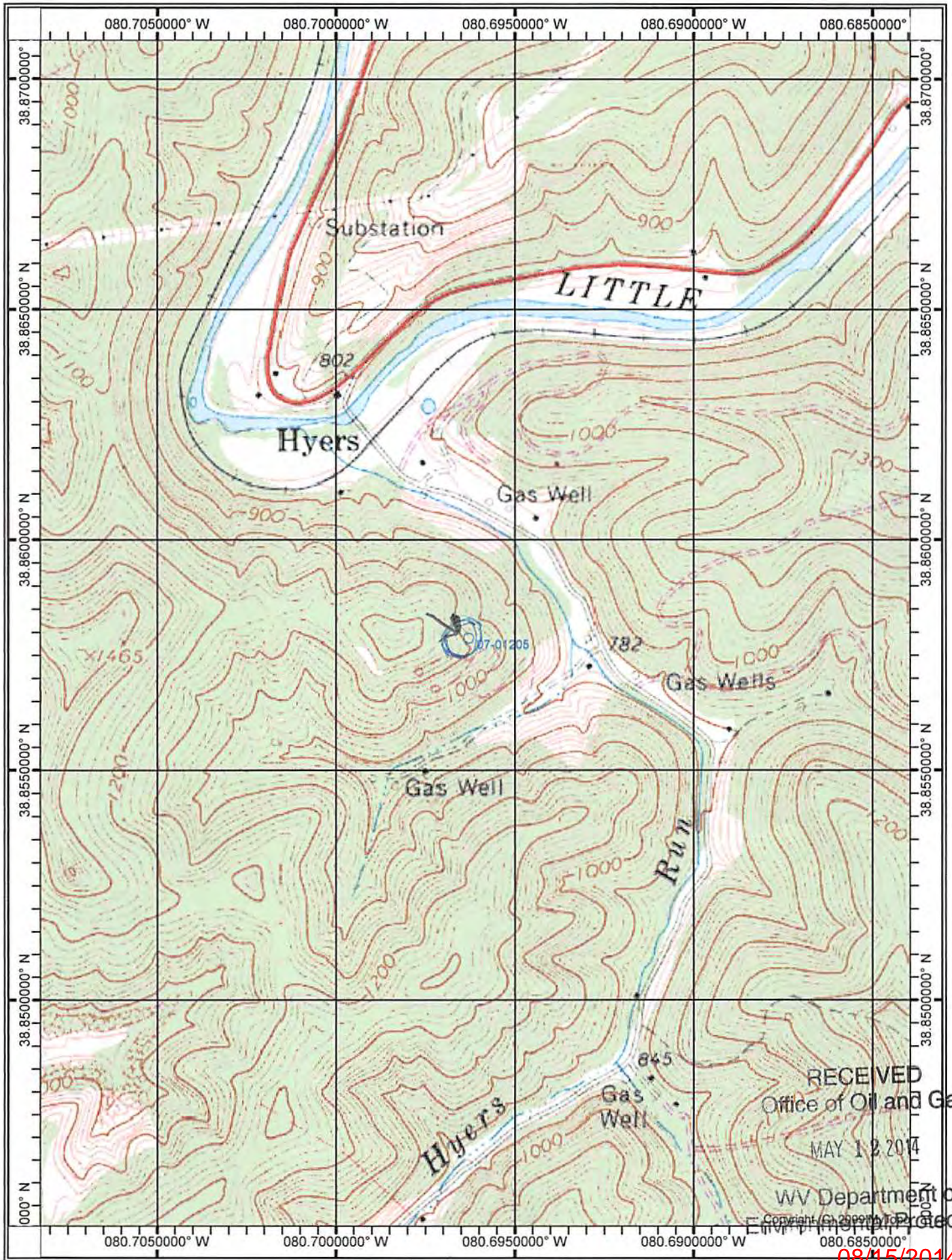
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Field Reviewed?  Yes  No

08/15/2014

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WW-7  
8-30-06



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

API: 47-007-01205 WELL NO.: 1

FARM NAME: Hallahan

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Braxton DISTRICT: Salt Lick 4

QUADRANGLE: Burnsville 272

SURFACE OWNER: Billy Frank Hite Jr.

ROYALTY OWNER: Effie Hallanan

UTM GPS NORTHING: 4301046.6

UTM GPS EASTING: 526351.1 GPS ELEVATION: 980

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*

President

Signature

Title

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Office of Oil and Gas  
MAY 12 2014  
WV Department of  
Environmental Protection  
April 1, 2014

Date

08/15/2014