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**west virginia** department of environmental protection

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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 24, 2014

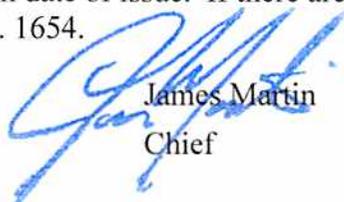
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-3301763, issued to HG ENERGY, LLC, 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  
Farm Name: HALL, J. L.  
**API Well Number: 47-3301763**  
**Permit Type: Plugging**  
Date Issued: 11/24/2014

**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.

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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.

3301763A

WW-4B  
Rev. 2/01

1) Date September 23, 20 14  
2) Operator's  
Well No. JL Hall 1  
3) API Well No. 47-033 - 01783

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 1099' Watershed Purdys Run Creek  
District Clay County Harrison Quadrangle Fairmont West 7.5'

6) Well Operator HG Energy, LLC 7) Designated Agent Diane White  
Address 5260 Dupont Road Address 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101

8) Oil and Gas Inspector to be notified Name Sam Ward  
Address P. O. Box 2327  
Buckhannon, WV 26201  
9) Plugging Contractor Name To Be Determined Upon Approval of Permit  
Address \_\_\_\_\_

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

Casing: TD - 2078' Plug No. 1 - 2010' - 1910'  
10" 166' Plug No. 2 - 1830' - 1730'  
8 1/4" 992' pulled Freepoint, cut & pull 5 3/16", est 1500'  
6 5/8" 1476' Plug No. 3 - 1550' - 1450'  
5 3/16" 1782' Free point, cut & pull 6 5/8", est 1000'  
Plug No. 4 - 1100' - 900'  
Plug No. 5 - 450' - 350'  
6% gel between cement plugs Free point, cut & pull 10", est 100'  
Plug No. 6 - ~~100' - 0'~~  
150' - 0' *7 NW 1/4*

Monument Per State Regulation

Notification must be given to the district oil and gas inspector 24 hours **Received** before permitted work can commence. **Office of Oil & Gas**

Work order approved by inspector S. D. Warratt Date 9/29/2014 **OCT 06 2014**

Well No. 1  
 Lease No. *J L Hall*  
 Rig built by *Clay*  
 Well drilled by *J F Rice*  
 Began drilling *May 30* 1901/910 Completed *July 30* 1901/910

Farm. District *Harrison*  
 County. Contractor.

ROCK FORMATION	TOP	BOTTOM	REMARKS
<i>Pittsburg Coal</i>	<i>Live</i>		<i>Elevation. - 1093.44</i>
<i>Little Niagara</i>	<i>360</i>	<i>390</i>	
<i>Big No</i>	<i>460</i>	<i>500</i>	
<i>Hard Sand</i>	<i>560</i>	<i>650</i>	
<i>Salter No</i>	<i>910</i>	<i>1080</i>	
<i>Water</i>	<i>935</i>		
<i>Big Limestone</i>	<i>1425</i>	<i>1505</i>	
<i>" Superior</i>	<i>1505</i>	<i>1647</i>	
<i>Oil</i>	<i>2026</i>	<i>2029</i>	
<i>Fifty foot</i>	<i>2018</i>	<i>2076</i>	
<i>Oil</i>	<i>2036</i>	<i>2040</i>	
<i>Total depth</i>		<i>2078</i>	

*Shot 6-7-38-60gts @ 2042 ft*

**CASING RECORD**

Size	CHARGED TO WELL		PUT IN WELL		PULLED OUT		LEFT IN WELL		Transferred before Completion		Left at Well Not in Use	
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
<i>10</i>			<i>166</i>	<i>8</i>								
<i>8 1/4</i>			<i>992</i>	<i>7</i>	<i>992</i>	<i>7</i>	<i>Parker</i>	<i>v shoe</i>				
<i>6 3/8</i>			<i>1476</i>	<i>2</i>			<i>Parker</i>	<i>shot 8/3/10 - 209 ft. soft.</i>				
<i>5 1/2</i>			<i>1782</i>	<i>10</i>								

Production First 24 Hours } *22* Bbls. Signed *H. L. Startzman* Supt. Receiver

33 01763P

WW-4A  
Revised 6-07

1) Date: September 23, 2014  
2) Operator's Well Number  
J. L. Hall 1

3) API Well No.: 47 - 033 - 01763

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

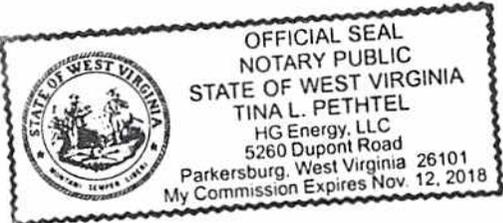
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Edgar Southern</u>	Name _____
Address <u>36 Jubilee Lane</u>	Address _____
<u>Fairmont, WV 26554</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector _____	(c) Coal Lessee with Declaration
Address _____	Name <u>Wolf Run Mining Company</u>
_____	Address <u>2708 Cranberry Square</u>
Telephone _____	<u>Morgantown, WV 26505</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 HG Energy, LLC  
 By: Diane White *Diane White*  
 Its: Agent  
 Address 5260 Dupont Road  
Parkersburg, WV 26101  
 Telephone 304-420-1119

Subscribed and sworn before me this 23rd day of September 2014  
*Tina L. Pethel* Notary Public  
 My Commission Expires NOV 12 2018

Received  
Office of Oil & 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).

3301763P

24E9 0589 2000 094E 2T02

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Postmark Here  
 SEP 23 14  
 PARKERSBURG WV  
 SdSN USPS

JLH1

Sent To  
 Wolf Run Mining ✓  
 Street, Apt. No.; or PO Box No. 2708 Cranberry Sq  
 City, State, ZIP+4 Morgantown WV 26503

PS Form 3800, August 2006 See Reverse for Instructions

45E9 0589 2000 094E 2T02

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Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 7.40</b>

Postmark Here  
 SEP 23 14  
 PARKERSBURG WV  
 SdSN USPS

JLH1

Sent To  
 Edgar Southern ✓  
 Street, Apt. No.; or PO Box No. 36 Jubilee Lane  
 City, State, ZIP+4 Fairmont WV 26554

PS Form 3800, August 2006 See Reverse for Instructions

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 HG Energy, LLC OP Code 494497948

Watershed Purdys Run Creek Quadrangle Fairmont West 7.5'

Elevation 1099' County Harrison District Clay

Description of anticipated Pit Waste: Fluids encountered in plugging subject well

Will a synthetic liner be used in the pit? Yes 2011

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 Diane White

Company Official (Typed Name) Diane White

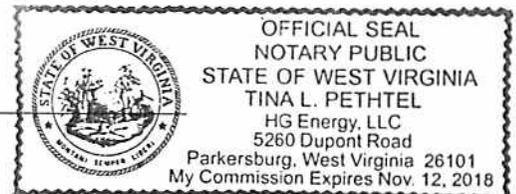
Company Official Title Agent

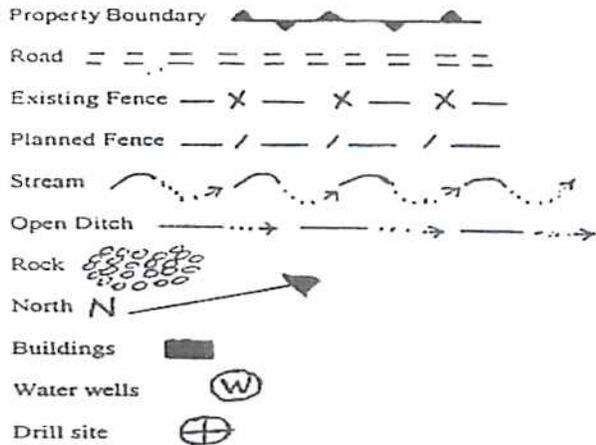
Subscribed and sworn before me this 23 day of September, 2014

*[Signature]*

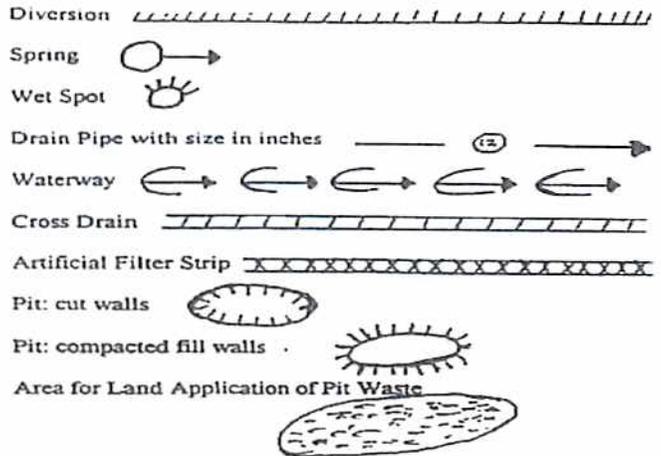
Notary Public

My commission expires NOV. 12. 2018





LEGEND



Proposed Revegetation Treatment: Acres Disturbed 0.5 acres Prevegetation pH \_\_\_\_\_

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch Straw 2 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
Tall Fescue		40	Tall Fescue		40
Ladino Clover		5	Ladino Clover		5

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

Photocopied section of involved 7.5' topographic sheet.

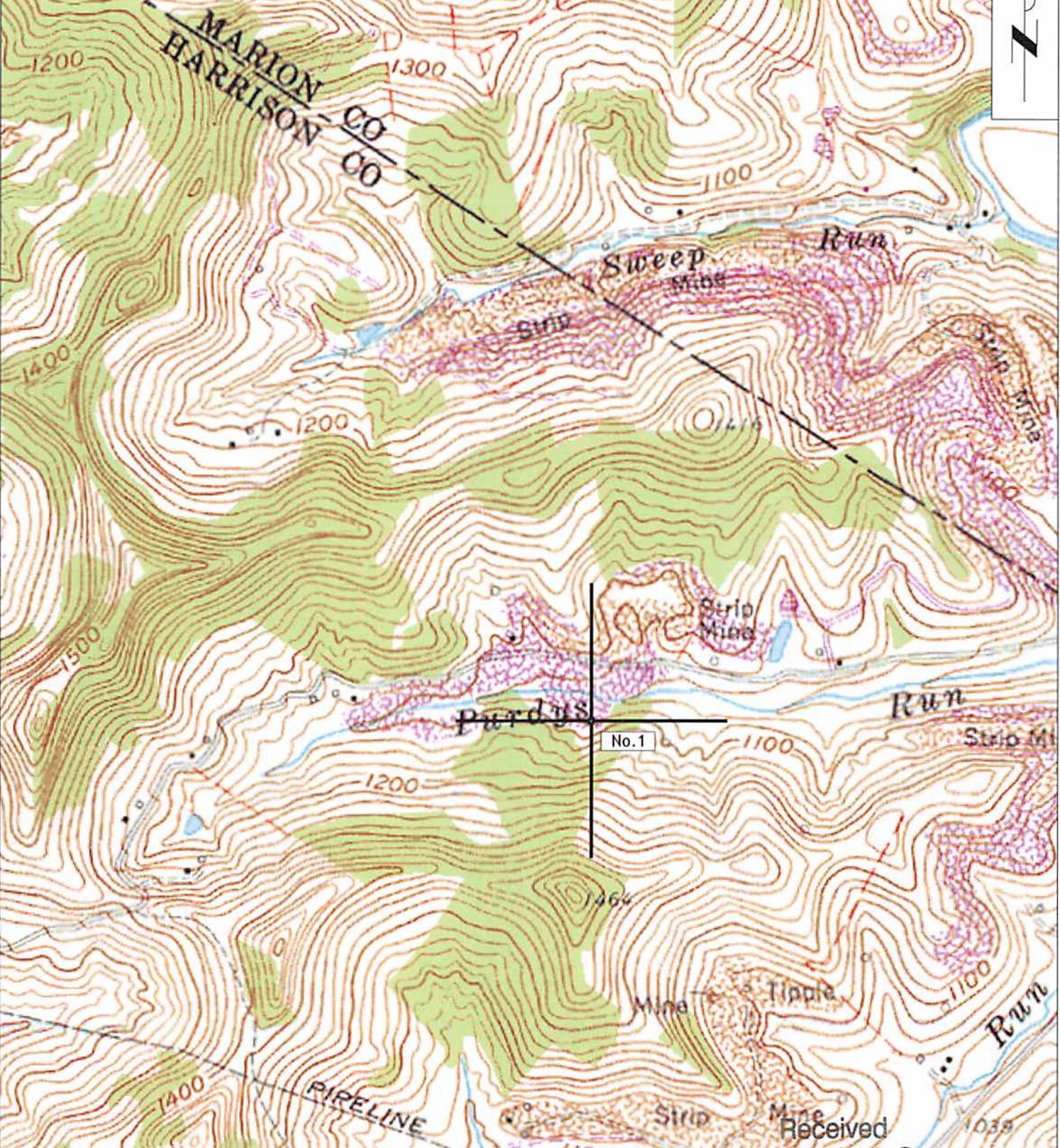
Plan Approved by: S. P. Warratt  
Comments: \_\_\_\_\_

Title Oil & Gas Inspector Date: 9/29/2014

Field Reviewed? ( ) Yes ( X ) No

3301763P

SUBJECT WELL  
J.L. Hall No. 1  
47-033-1763



L A Y

Received  
Office of Oil & Gas  
Section of  
OCT 06 2014  
Fairmont West 7.5' Quadrangle  
SCALE 1"=1000'





**HG Energy, LLC**  
5260 Dupont Road  
Parkersburg, WV 26101  
(304) 420-1100 - Office  
(304) 863-3172 - Fax

3301763P

CK 2780  
100<sup>00</sup>

September 23, 2014

Jeff McLaughlin  
WVDEP  
Division of Oil & Gas  
601 57<sup>th</sup> Street  
Charleston, West Virginia 25304

RE: J. L. Hall No. 1 (47-033-01763)  
Clay District, Harrison County  
West Virginia

Dear Mr. McLaughlin:

Enclosed are Forms WW-4(A), WW-4(B), WW-9, and WW-7, topo map, well record, copy of certified mailing receipt and a check in the amount of \$100.00 to cover the permit fee to plug and abandon the above-captioned well.

Very truly yours,

*Diane White*

Diane C. White

Enclosures

cc:

Edgar Southern – Certified  
Wolf Run Mining - Certified  
Sam Ward - Inspector

Received  
Office of Oil & Gas

OCT 06 2014