



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 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.

11/28/2014

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.

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 - 0192

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' <u>150' - 0'</u>

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 III Date 9/29/2014

11/28/2014

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 - 20 qt. 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

Gas

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>
Telephone _____	Address <u>2708 Cranberry Square</u>
	<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
 My Commission Expires NOV 12 2018 Notary Public

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.

11/28/2014

3301763P

7012 3460 0002 094E 2T02

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.40

Postmark Here
 SEP 23 14
 PARKERSBURG WV
 SdS

JLH1

Sent To: Wolf Run Mining ✓
 Street, Apt. No., or PO Box No.: 2708 Cranberry Sq
 City, State, ZIP+4: Morgantown WV 26505

PS Form 3800, August 2006 See Reverse for Instructions

7012 3460 0002 094E 2T02

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

Postmark Here
 SEP 23 14
 PARKERSBURG WV
 SdS

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 2014

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

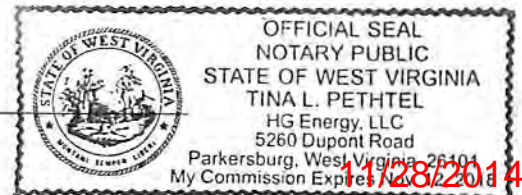
Company Official Title Agent

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

[Signature]

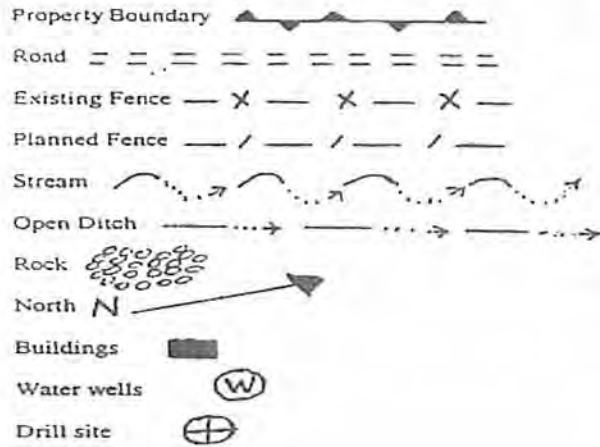
Notary Public

My commission expires NOV. 12. 2018

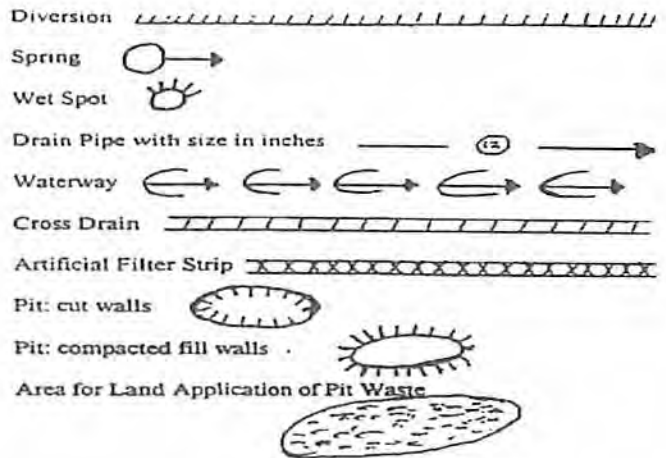


Form WW-9

Operator's Well No. J. L. Hall 1



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.

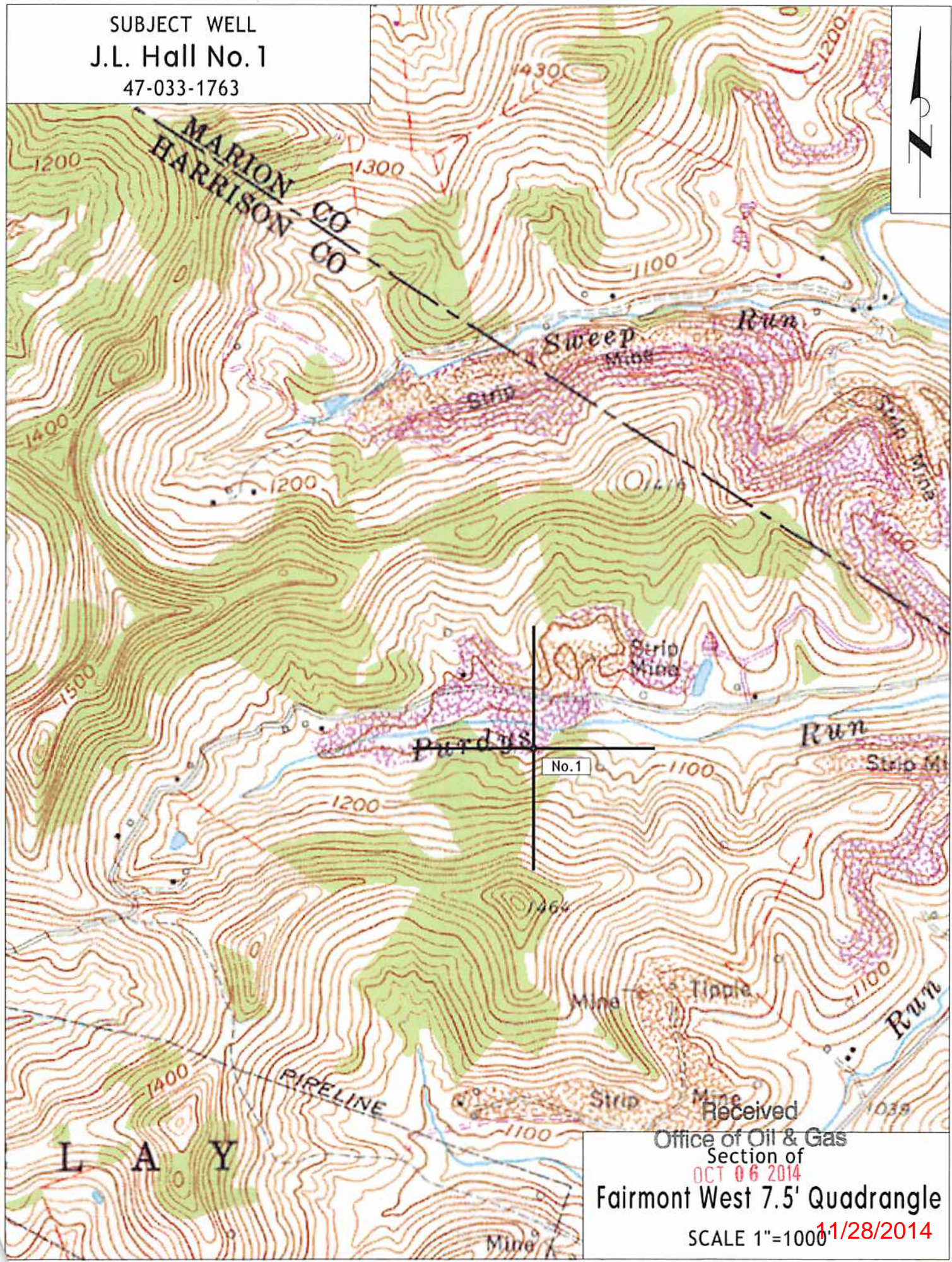
Plan Approved by: S. P. Warratt
Comments: _____

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

Field Reviewed? () Yes (X) No

3301763P

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



Received
Office of Oil & Gas
Section of
OCT 06 2014
Fairmont West 7.5' Quadrangle
SCALE 1"=1000' 11/28/2014

33 01763 P

WW-7
5-02

West Virginia Department of Environmental Protection
Office of Oil & Gas

WELL LOCATION FORM: GPS

API: 47- 033 - 1763 WELL NO: No.1

FARM NAME: J.L. Hall

RESPONSIBLE PARTY NAME: HG Energy, LLC

COUNTY: Harrison DISTRICT: Clay *2*

QUADRANGLE: Fairmont West 7.5' *343*

SURFACE OWNER: Edgar Southern

ROYALTY OWNER: HG Energy LLC et al.

UTM GPS NORTHING: 4,361,104

UTM GPS EASTING: 567,046 GPS ELEVATION: 335 m.

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil & 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	<input type="checkbox"/>	Post Processed Differential	<input type="checkbox"/>
		Real-Time Differential	<input type="checkbox"/>
Mapping Grade GPS	<input checked="" type="checkbox"/>	Post Processed Differential	<input checked="" type="checkbox"/>
		Real-Time Differential	<input type="checkbox"/>

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.

Diane White Diane White
Signature

September 4, 2014
Date

Designated Received
Title Office of Oil & Gas

Received
Office of Oil & Gas
Office of Oil & Gas
OCT 06 2014

11/28/2014



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

3301763P

CK 2780
100⁰⁰

September 23, 2014

Jeff McLaughlin
WVDEP
Division of Oil & Gas
601 57th 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

11/28/2014