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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](http://www.dep.wv.gov)

November 10, 2014

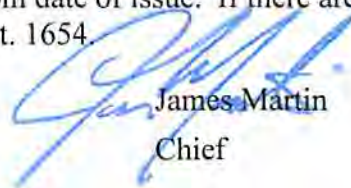
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-10300979, 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: 5  
Farm Name: GARNER, J. H.  
**API Well Number: 47-10300979**  
**Permit Type: Plugging**  
Date Issued: 11/10/2014

## 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.

10300979P

WW-4B  
Rev. 2/01

1) Date September 9, 2014  
2) Operator's  
Well No. JH Garner 5  
3) API Well No. 47-101 - 0079

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 \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow X
- 5) Location: Elevation 905' Watershed Carpenter Run Creek  
District Proctor County Wetzel Quadrangle Pine Grove 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 9) Plugging Contractor  
Name Derek Haught Name To be Determined Upon Approval of Permit  
Address P. O. Box 85 Address \_\_\_\_\_  
Smithville, WV 26178

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

Casing: TD - 3068'

- |               |  |
|---------------|--|
| 5 3/16" 2797' | Plug No. 1 - 3020' - 2920'               |
| 6 5/8" 2213'  | Plug No. 2 - 2850' - 2750'               |
|               | Free point rip & pull 5 3/16", est 2200' |
|               | Plug No. 3 - 2250' - 2150'               |
|               | Free point cut & pull 6 5/8", est 1000'  |
|               | Plug No. 4 - 1050' - 850'                |
|               | Plug No. 5 - 700' - 600'                 |
|               | Plug No. 6 - 100' - 0'                   |

*2 day MUST TRY TO PULL ALL FREE CASING.*

6% gel between cement plugs

RECEIVED  
Office of Oil and Gas  
SET MONUMENT

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

SEP 24 2014  
WV Department of  
Environmental Protection  
Date 9-15-14

Work order approved by inspector [Signature]

11/14/2014

Case No. 1873

Acres 252

Farm Name J. H. Garner

Well No. 5-71

N. 13 S. E. W. 4  
 Civil District Proctor  
 County Wetzel  
 State W. Va.  
 GAS  
 Oil Rights Owned By

Location Made  
 Rig Completed  
 Dr'g Commenced  
 Dr'g Completed 9-28-21  
 Dr'g Contractor

Purchased From H. C. & R. Co  
 Date Purchased  
 Sold To  
 Date Sold  
 Date Abandoned

FORMATION

Kind	Top	Bottom	Steel Line Measurement	Tests
Native Coal	640	645		
M. Coal	905	910		
Pitts. Coal	1012	1014		
L. Dunkard	1372	1402		
B. Dunkard	1504	1545		
Gas Sand	1615	1635		
First Salt	1745	1775		
Second Salt	1925	1952		
Third Salt	2000	2040		
Maxon	2102	2125		
L. Lime	2125	2133		
Pencil Cave	2133	2139		
B. Lime	2139	2207		
Big Injun	2207	2440		
Berea	2530	2650		
Gordon Stray	3014	3024		
Gordon	3031	3052	Gas & Oil	
Total	3068			

CASING RECORD

Size	Bottom Casing (Steel Line)	Put In Well (Tally Meas.)	Pulled (Tally Meas.)	Remarks
6-5/8		2213	7"	Date
5-3/16		2797	2"	Size Csg.
2" Tbg.		3085	1"	Top "
				Bot. "

PACKERS AND SHOES

Kind	Size	Depth Set	Date

TORPEDO RECORD

Date	No. Qts.	Size Shell	Top Shot	Bottom	Remarks
10-5-21	30		Gordon		
10-4-34	60		3048	3052	
7-8-41	120	4 1/2	3047	3052	
9-23-59	80	4 1/4 x 10'	3047	3058	

DRILLING DEEPER

Commenced	Completed	Original Depth	Final Depth	Contractor

ABANDONMENT RECORD

Filled With	From	To	Size	PLUG Kind	Depth

RECEIVED  
 Office of Oil and Gas  
 SEP 24 2014  
 WV Department of  
 Environmental Protection

Initial Prod.	Sand	* At Completion	* 30 Days After	*

APPROVED

11/14/2014

WW-4A  
Revised 6-07

1) Date: September 9, 2014  
2) Operator's Well Number  
J. H. Garner 5  
3) API Well No.: 47 - 103 - 0979

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

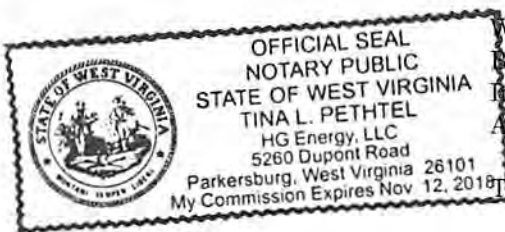
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Robert &amp; Melissa Huggins</u>	Name _____
Address <u>14578 Mountaineer Highway</u> ✓	Address _____
<u>New Martinsville, WV 26155</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Murray Coal</u>
_____	Address <u>46226 National Road</u> ✓
_____	<u>St. Clairsville, OH 43950</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector	(c) Coal Lessee with Declaration
Address _____	Name _____
_____	Address _____
Telephone _____	_____

**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*  
 Agent  
 Address 5260 Dupont Road  
Parkersburg, WV 26101  
 Telephone 304-420-1119

Subscribed and sworn before me this 8th day of September

RECEIVED  
Office of Oil and Gas  
SEP 24 2014

My Commission Expires NOV. 12 2018

**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).

10300979 P

9579 0599 2000 096E 7012 3460 0002 6850 6156

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<b>Total Postage &amp; Fees</b>	<b>\$ 7.40</b>

**PARKERSBURG, WV**  
**SEP 10 2014**  
 Postmark Here  
**USPS**  
 JHG 5

*Sent To* Murray Coal ✓  
*Street, Apt. No.; or PO Box No.* 46226 National Road  
*City, State, ZIP+4* St. Clairsville, OH 43950

PS Form 3800, August 2006 See Reverse for Instructions

9579 0599 2000 096E 7012 3460 0002 6850 6166

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

**PARKERSBURG, WV**  
**SEP 10 2014**  
 Postmark Here  
**USPS**  
 JHG 5

*Sent To* Robert & Melissa Huggins ✓  
*Street, Apt. No.; or PO Box No.* 14578 Mountaineer Hwy  
*City, State, ZIP+4* New Martinsville WV 26155

PS Form 3800, August 2006 See Reverse for Instructions

RECEIVED  
 Office of Oil and Gas  
 SEP 24 2014  
 WV Department of  
 Environmental Protection

11/14/2014

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 Carpenter Run Creek Quadrangle Pine Grove 7.5"  
Elevation 905' County Wetzel District Proctor

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

Will a synthetic liner be used in the pit? 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

DMH  
9-15-14

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 Accountant

Subscribed and sworn before me this 10 day of September, 2014

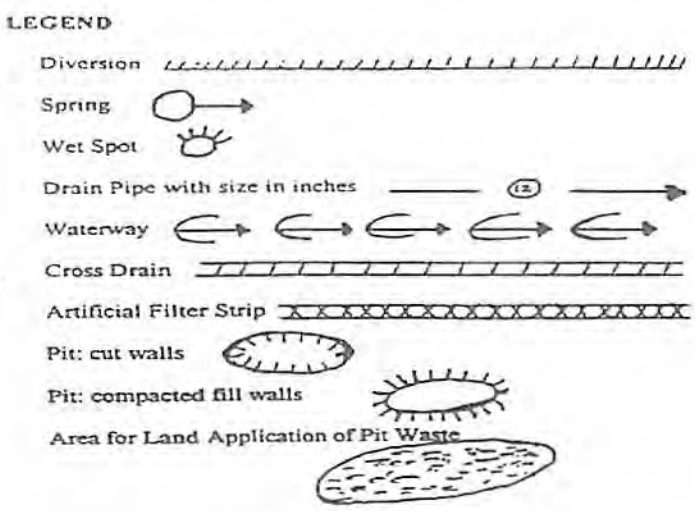
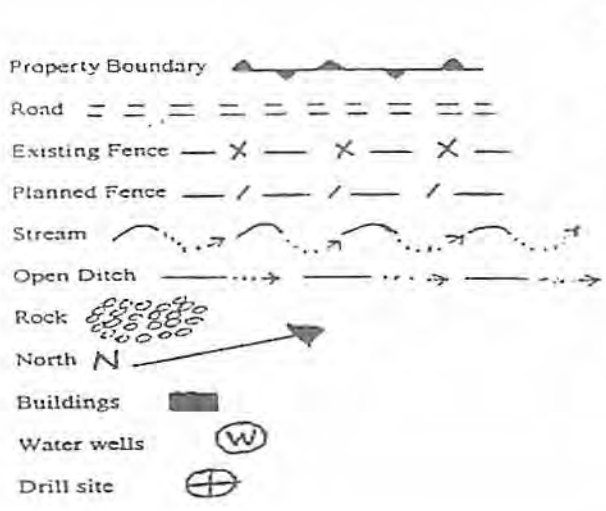
Tina L. Pethtel  
Notary Public

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Office of Oil and Gas  
SEP 24 2014

My commission expires Nov. 12, 2014



10-14-2014



Proposed Revegetation Treatment: Acres Disturbed .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: [Signature]

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

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Office of Oil and Gas

SEP 24 2014

Title: Oil + Gas Inspector

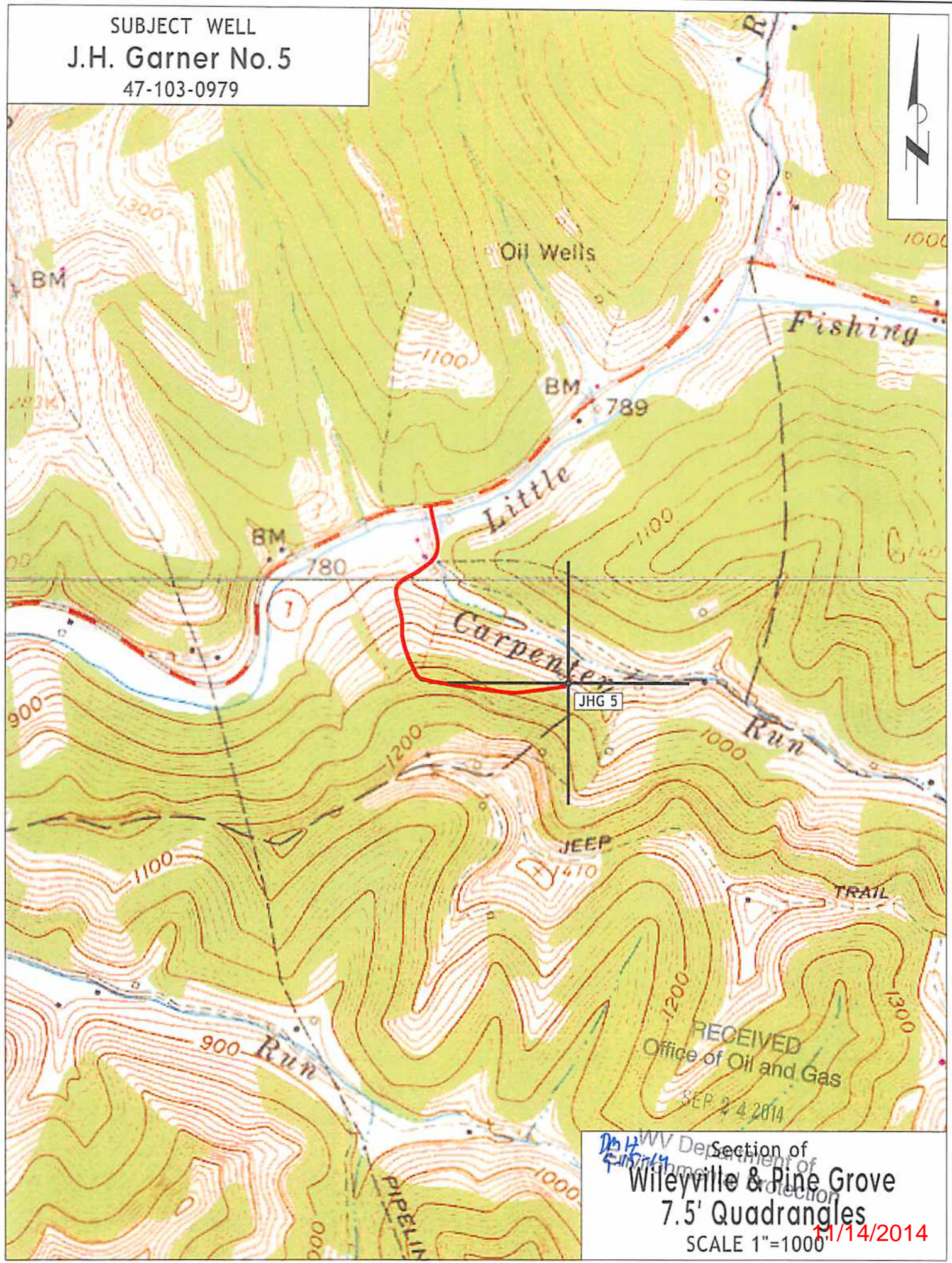
Date: 9-15-14

WV Department of  
Environmental Protection

Field Reviewed? (  ) Yes (  ) No



SUBJECT WELL  
J.H. Garner No.5  
47-103-0979



RECEIVED  
Office of Oil and Gas  
SEP 24 2014

Section of  
WV Department of  
Wileyville & Pine Grove  
7.5' Quadrangles  
SCALE 1"=1000  
11/14/2014

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

API: 47- 103 - 0979 WELL NO: No.5

FARM NAME: J.H. Garner

RESPONSIBLE PARTY NAME: HG Energy, LLC

COUNTY: Wetzel DISTRICT: Proctor 7

QUADRANGLE: Pine Grove 7.5' 548

SURFACE OWNER: Robert & Melissa Huggins

ROYALTY OWNER: HG Energy LLC et al.

UTM GPS NORTHING: 4,385,946

UTM GPS EASTING: 526,905 GPS ELEVATION: 276 m. (905')

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.

  
Signature \_\_\_\_\_ Timothy P. Roush \_\_\_\_\_

September 3, 2014  
Date \_\_\_\_\_

RECEIVED  
Professional Surveyor  
Office of Oil and Gas  
Title \_\_\_\_\_

SEP 24 2014  
WV Department of  
Environmental Protection



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

1030097P  
✓ 2758  
1000

September 5, 2014

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

RE: J. H. Garner No. 5 (47-103-0979)  
Proctor District, Wetzel 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 C White*

Diane C. White

Enclosures

cc: Robert & Melissa Huggins – Certified  
Murray Coal Company - Certified  
Derek Haught - Inspector

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Office of Oil and Gas  
SEP 24 2014  
WV Department of  
Environmental Protection

11/14/2014