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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)

July 26, 2013

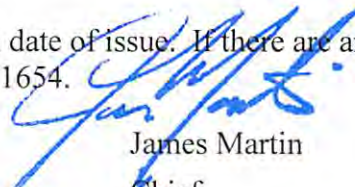
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-3301731, 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: 12  
Farm Name: JUNKINS, EARL & BELVA  
**API Well Number: 47-3301731**  
**Permit Type: Plugging**  
Date Issued: 07/26/2013

**Promoting a healthy environment.**

3301731P

WW-4B  
Rev. 2/01

1) Date: July 8, 2013  
2) Operator's Well Number  
W. B. Carpenter No. 12  
3) API Well No: 47 = 033 = 1731  
State County Permit

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 X Gas \_\_\_\_\_ Liquid Injection \_\_\_\_\_ Waste Disposal \_\_\_\_\_  
(If "Gas" Production X Underground Storage \_\_\_\_\_ ) Deep \_\_\_\_\_ Shallow X  
5) LOCATION: Elevation: 1162' Watershed: Branch of Lick Run  
District: Tenmile 09 County: Harrison 33 Quadrangle Salem 7.5' 596  
6) WELL OPERATOR: HG Energy, LLC 7) DESIGNATED AGENT Michael G. Kirsch  
Address 5260 Dupont Road Address 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101  
8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) PLUGGING CONTRACTOR  
Name Sam Ward Name Contract to be bid to determine Contractor  
Address P.O. Box 2327 Address \_\_\_\_\_  
Buckhannon, WV 26201

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

CASING	
10"	192'
8 1/4"	1,120'
6 5/8"	1,977'
5 3/16"	1,980' (EST.)

TD - 2,851' Coal - 526'-532'  
Pull 5 3/16" Casing  
Plug No. 1 2,850' - 2,700'  
Plug No. 2 2,570' - 2,400'  
Rip & pull 6 5/8" casing @ 1,200' (Est)  
Rip 8 1/4" Casing from 1,950' - 1,850' & from 1,200' - 1,100'  
Plug No. 3 1,950' - 1,850'  
Plug No. 4 1,200' - 1,100'  
Rip & pull 8 1/4" casing @ 300' (est)  
Perforate 10" casing 1 shot/20' from 600' - 500' & every 1' through coal from 530' - 520' & every 20' from 300' - 200'  
Plug No. 5 600 - 500'  
Plug No. 6. 300' - 200'  
Rip & pull 10" casing @ 100' (est)  
Plug No. 8 200' - Surface

*JWM  
OK*

Operational Notes:

Erect Monument with API No.  
Note: 6% Gel between all cement plugs.  
Cement Plugs are Class A, Regular Neat Cement, & expanding cement through all coal seams  
Cement tops will be tagged.  
Attempts will be made to recover as much casing & tubing as possible  
Casing recovery is based on previous experience in this area

OFFICE USE ONLY

PLUGGING PERMIT

Permit Number \_\_\_\_\_ Date \_\_\_\_\_ 19\_\_\_\_

This permit covering the well operator and the well location shown below is evidence of permission granted to plug in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector 24 hours before actual work has commenced.

The permitted work is as described in the Notice and Application, plat, subject to any modifications and conditions on the reverse hereof.

Permit expires \_\_\_\_\_ unless plugging is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	WPCP	Other
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Received

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Office of Oil and Gas  
Chief, Office of Oil & Gas / Dept. of Environmental Protection

NOTE: Keep one copy of this permit posted at the plugging location.



3301731P

EM-3-22

WELL 12 ACRES 184 LEASE NO. 23886.  
 W. B. Carpenter, Ten Mile COUNTY Harrison STATE West Va. N. S. 12, E. 3, W.  
 COMMENCED Oct. 6, 19 00, COMPLETED Oct. 14, 19 00, CONTRACTOR G. H. Boss, & Co.  
 COMMENCED Oct. 25, 19 00, COMPLETED Nov. 30, 19 00, CONTRACTOR Phil Skas,  
 COMMENCED 19 COMPLETED 19 CONTRACTOR

FORMATION *Elev 1162-00*

CASING RECORD

KIND	TOP	BOTTOM	STEEL LINE MEASUREMENT	REMARKS	SIZE	BOTTOM CASING (STEEL LINE)	PUT IN WELL (TALLY MEAS.)	PULLED (TALLY MEAS.)	LEFT IN WHEN ABN'D.
Conductor		16			10"		192		
2 1/2" Coal	526	532			8 1/2"		1120		
Maxon Sand	1727	1778			6"		1977		

PACKERS

KIND	SIZE	DEPTH SET	DATE SET
Big Injun			
Fifty Foot			

TORPEDO RECORD

DATE SHOT	NO. QTS.	SIZE SHELL	TOP SHOT	BOTTOM	RESULT
5/24-1901	24				
Oct 9-1926	20	5-70	1820		
8-11-44	40	5"x6'	2830	2836	
10-9-62	60	3-4 1/2"x6'	2830	2836	

ABANDONMENT RECORD

FILLED WITH	FROM	TO	SIZE	PLUG KIND	DEPTH

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Office of Oil and Gas  
 WV Dept. of Environmental Protection

REMARKS

TOTAL DEPTH

PRODUCTION RECORD

24 HOURS BEFORE SHOT	Fifth	SAND	55	BBLS.
24 HOURS AFTER SHOT		SAND		BBLS.
GAS TEST				

APPROVED BY *E. C. Shiro*

SUP



3301731 P

WW-4A  
Revised 6-07

1) Date: July 8, 2013  
2) Operator's Well Number  
W. B. Carpenter No. 12  
3) API Well No: 47 - 033 - 1731  
State County Permit

**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:  
(a) Name Earl & Belva Junkins ✓  
Address RR 5, Box 1226  
Salem, WV 26426  
(b) Name NA  
Address \_\_\_\_\_  
(c) Name NA  
Address \_\_\_\_\_  
6) Inspector Sam Ward  
Address P.O. Box 2327  
Buckhannon, WV 26201  
Telephone 389-7583

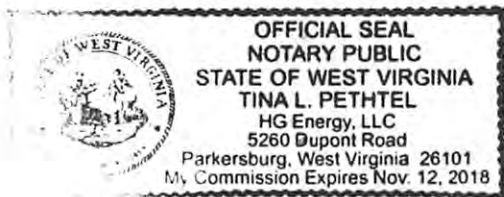
5) (a) Coal Operator:  
Name NA  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration ✓  
Name Wolf Run Mining Co.  
Address 2708 Cranberry Square  
Morgantown, WV 26505  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
NA  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
NA

**TO THE PERSON(S) 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 and its location and the plugging work order; and
- 2) The plat (surveyor's map) showing the well location on Form WW-6

The reason you have received these documents is that you have rights regarding the application which are summarized in the instructions on the reverse 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 C White Diane C. White  
Its: Accountant  
Address 5260 Dupont Road  
Parkersburg, WV 26101  
Telephone (304) 420-1119

Received

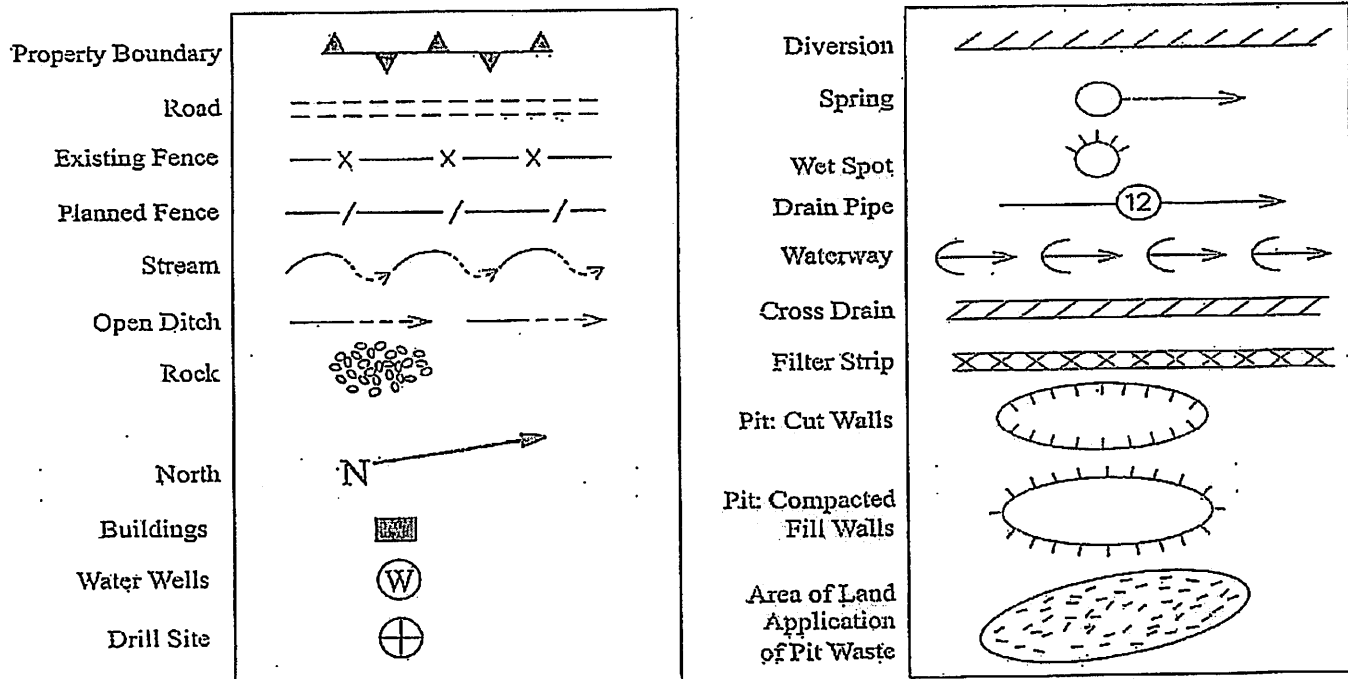
Subscribed and sworn before me this 8 day of July 2013 July 18 2013

Tina L. Pethel  
Nov 12, 2018  
My Commission Expires \_\_\_\_\_  
Notary Public  
Office of Oil and Gas  
WV Dept. of Environmental Protection





Legend



Proposed Revegetation Treatment: Acres Disturbed Area I Approx. 0.5 Ac. Prevegetation pH \_\_\_\_\_

Area II Approx. 0.2 Ac.

Lime \_\_\_\_\_ 2 Tons/Acre or Correct to pH \_\_\_\_\_ 6.5

Fertilizer (10-20-20 or Equivalent) \_\_\_\_\_ 500 Lbs./Acre (500 lbs. Minimum)

Mulch \_\_\_\_\_ Straw \_\_\_\_\_ 2 Tons/Acre

SEED MIXTURES

<u>Area I (Location)</u>		<u>Area II (Road)</u>	
Seed Type	Lbs./Ac.	Seed Type	Lbs./Ac.
Tall Fescue	<u>40</u>	Tall Fescue	<u>40</u>
Ladino Clover	<u>5</u>	Ladino Clover	<u>5</u>

**Received**

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Attach:  
 Drawing(s) of road, location, pit and proposed area for land application  
 Photocopied section of involved 7.5' topographic sheet.

Office of Oil and Gas  
 WV Dept. of Environmental Protection

Plan Approved by: S. D. Ward

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

Title: Oil & Gas Inspector

Date: 7/16/2013

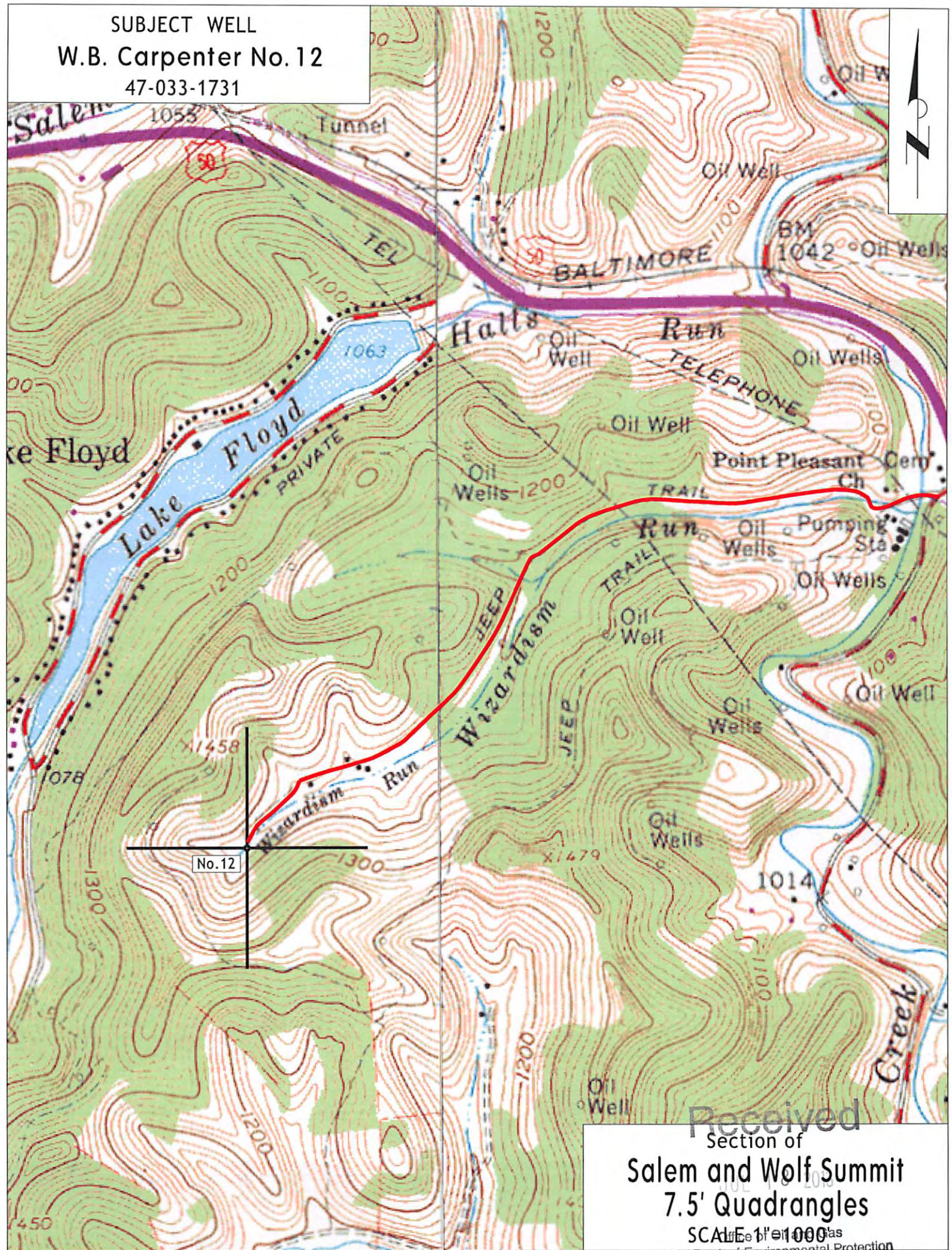
Field Reviewed? \_\_\_\_\_

Yes

X No



SUBJECT WELL  
W.B. Carpenter No. 12  
47-033-1731



Received  
Section of  
Salem and Wolf Summit  
7.5' Quadrangles  
SCALE 1" = 1000'  
WV Dept. of Environmental Protection



West Virginia Department of Environmental Protection  
Office of Oil & Gas

**WELL LOCATION FORM: GPS**

API: 47- 033 - 1731 WELL NO: No.12

FARM NAME: W.B. Carpenter

RESPONSIBLE PARTY NAME: HG Energy, LLC

COUNTY: Harrison DISTRICT: Tenmile

QUADRANGLE: Salem 7.5'

SURFACE OWNER: Earl & Belva Junkins

ROYALTY OWNER: HG Energy LLC et al.

UTM GPS NORTHING: 4,347,632

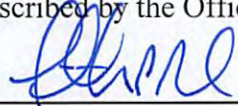
UTM GPS EASTING: 542,656 GPS ELEVATION: 354 m. 1162'

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

\_\_\_\_\_  
Title Professional Surveyor

July 3, 2013  
\_\_\_\_\_  
Date

**Received**

JUL 18 2013



33 01731P



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

CK# 2285  
\$100.00

July 8, 2013

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

RE: W. B. Carpenter No. 12 (47-033-1731)  
Tenmile District, Harrison County  
West Virginia

Dear Mr. McLaughlin:

Attached 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: Earl & Belva Junkins – Certified  
Wolf Run Mining Company - Certified  
Sam Ward - Inspector

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18 2013

Office of Oil and Gas  
WV Dept. of Environmental Protection