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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

July 26, 2013

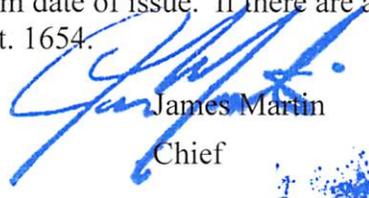
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-3301729, 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: 8  
Farm Name: JUNKINS, EARL & BELVA  
**API Well Number: 47-3301729**  
**Permit Type: Plugging**  
Date Issued: 07/26/2013

**Promoting a healthy environment.**

3301729P

WW-4B-  
Rev. 2/01

1) Date: July 8, 2013  
2) Operator's Well Number  
W. B. Carpenter No. 8  
3) API Well No: 47 - 033 - 1729  
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: 1308' 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"	772'
8 1/4"	2,066'
6 5/8"	2,215'
5 3/16"	2,172'

TD - 3,023' Coal - 690'-696'  
Pull 5 3/16" Casing  
Plug No. 1 3,023' - 2,900'  
Plug No. 2 2,770' - 2,500'  
Rip & pull 6 5/8" casing @ 2,100' (Est)  
Rip 8 1/4" Casing from 2,100' - 2,000' & from 1,300' - 1,200'  
Plug No. 3 2,100' - 2,000'  
Plug No. 4 1,300' - 1,200'  
Rip & pull 8 1/4" casing @ 1,000' (est)  
Perforate 10" casing 1 shot/20' from 750' - 650' & every  
1' through coal from 695' - 685' & every 20' from 300' - 200'  
Plug No. 5 1,050 - 950'  
Plug No. 6 750' - 650'  
Plug No. 7 300 - 200'  
Rip & pull 10" casing @ 150' (est)  
Plug No. 8 200' - Surface

SDW  
7/16/2013

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

Erect Monument with API No. All attempts will be made to recover as much casing as possible  
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.

Received

JUL 18 2013

Bond:	Agent:	Plat:	Casing:	WPCP	Other
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Office of Oil and Gas  
WV Dept. of Environmental Protection

Chief, Office of Oil & Gas

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

3301729 P

SM-3-22

ARM *W. J. Carpenter,* WELL *8* ACRES *134* LEASE NO. *23886.*  
 WNSHIP OR TRACT *Sea Mile* COUNTY *Merivon* STATE *West V.* N. *S.10, E. 6, W.*  
 COMMENCED *Nov. 1,* 19 *00,* COMPLETED *Nov. 5,* 19 *00,* CONTRACTOR *G. H. Ross & Co.*  
 COMMENCED *Nov. 6,* 19 *00,* COMPLETED *Dec. 27,* 19 *00,* CONTRACTOR *H. J. Parker,*  
 COMMENCED 19 COMPLETED 19 CONTRACTOR

FORMATION *Elm* *1508-00*

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 ABAND.
Conductor		16			10"		772		
1/2" Galv	690	696			6 1/2"		3066		
Dunkard	1300	1300			6 5/8"		2215		
					<i>5 7/16</i>		<i>2172</i>		

PACKERS

KIND	SIZE	DEPTH SET	DATE SET
<i>Open</i>	<i>5 1/2" x 6 1/2" x 16</i>	<i>2157</i>	<i>July 12-19</i>

TORPEDO RECORD

DATE SHOT	NO. QTS.	SIZE SHELL	TOP SHOT	BOTTOM	RESULT
<i>6/27, 1902.</i>	<i>24</i>		<i>3003</i>		
<i>12/2, 1919.</i>	<i>30</i>				
<i>3/2-1937</i>	<i>40</i>		<i>3003</i>		

ABANDONMENT RECORD

FILLED WITH	FROM	TO	SIZE	PLUG KIND	DEPTH
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Received

JUL 18 2013

Office of Oil and Gas  
 WV Dept. of Environmental Protection

REMARKS

*2215' 5 7/8" casing on Larkin Hook Well.  
 Packer.*

TOTAL DEPTH

PRODUCTION RECORD

24 HOURS BEFORE SHOT	<i>Fifth</i>	SAND	<i>75.</i>	BBLs.
24 HOURS AFTER SHOT		SAND		BBLs.
GAS TEST				

APPROVED BY *[Signature]*

SUPT

33017290

NO 1 SOUTH PENN OIL COMPANY—COMPLETION

SERIAL NO. FARM W. B. Carpenter WELL NO. 8  
ELEVATION 1308 N. S. 12 E. 6 W.  
LEASE NO. 23886 ACRES 154  
WATERS OF Ten Mile  
DISTRICT Ten Mile COUNTY Harrison STATE West Va.  
DRILLING COMMENCED NOV. 6, 1900. COMPLETED Dec. 27, 1900. DEPTH 3023

SANDS	TOP	BOTTOM	ELEV. TOP	CASING
PGH. COAL OR BIG LIME				
Pgh Coal	690	696		10 772
Big Lime	2070	2170		6 2066
Big Injun	2170	2240		5 3/16 2215
Gordon	2772	2830		
Fifth	3003	3010		PACKERS AND DEPTH SET

INITIAL PROD. 75 Bbls. SAND Fifth DEPTH 3003

GAS TEST  
SHOT June 27, 1902 QUARTS 24 lbs.  
RENT 2, 1919. 30 "

REPORTED BY H. B. Davis ABANDONED

Oil

33 01729P

WW-4A  
Revised 6-07

1) Date: July 8, 2013  
2) Operator's Well Number  
W. B. Carpenter No. 8  
3) API Well No: 47 - 033 - 1729  
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

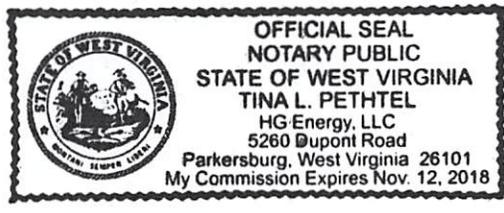
5) (a) Coal Operator:  
Name NA  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration ✓  
Name Wolf Run Mining Co.  
Address 2708 Cranberry Square  
Morgantown, WV 26505  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
NA  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
NA

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

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 HG Energy, LLC OP Code 494497948  
Watershed Branch of Lick Run Quadrangle Salem 7.5'  
Elevation 1308' County Harrison District Tenmile

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

Do you anticipate more than 5,000 bbls of water to complete the proposed well work? Yes        No X

Will a synthetic liner be used in pit?        Yes        If so, what mil.? 10 mil

Proposed Disposal Method For Treated Pit Wastes:  
X Land Application  
       Underground Injection (UIC Permit Number       )  
       Reuse (at API Number       )  
       Off Site Disposal (Supply Form WW-9 for disposal location)  
       Other (Explain       )

*SDW  
2/16/2013*

Drilling medium anticipated for this well? Air, fresh water, oil based, etc. NA

- If oilbased, what type? Synthetic, petroleum, etc.       

Additives to be used? Water, soap, KCI

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. NA

- If left in pit and plan to solidify, what medium will be used? Cement, lime, sawdust

- Landfill or offsite name/permit number? NA

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.

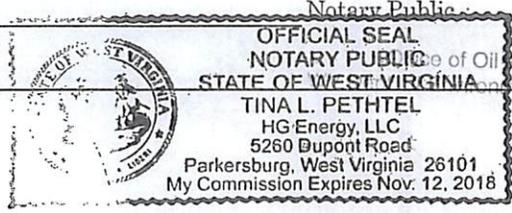
Company Official Signature Diane C White  
Company Official (Typed Name) Diane C White  
Company Official Title Accountant

Received

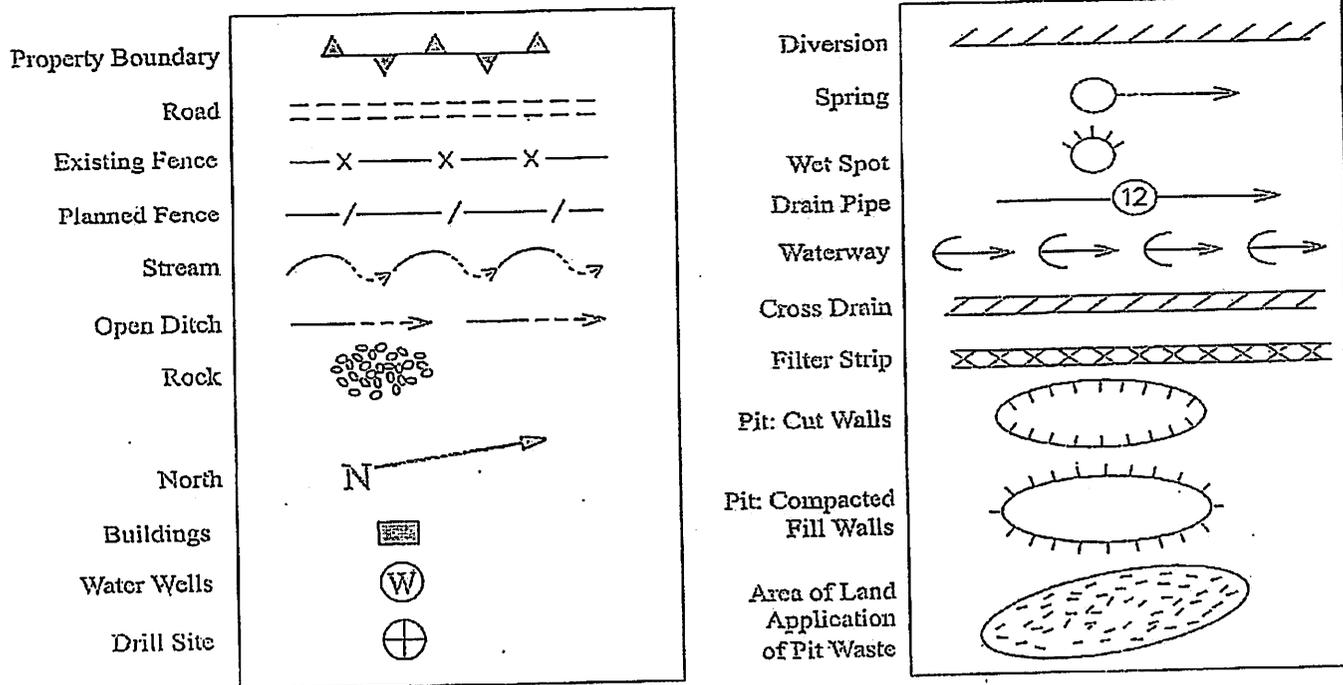
Subscribed and sworn before me this 8 day of July 2013 JUL 18 2013

*Tina L. Pethel*

My commission expires Nov 12, 2018



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>	
Seed Type	Lbs./Ac.
Tall Fescue	40
Ladino Clover	5

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

JUL 18 2013

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

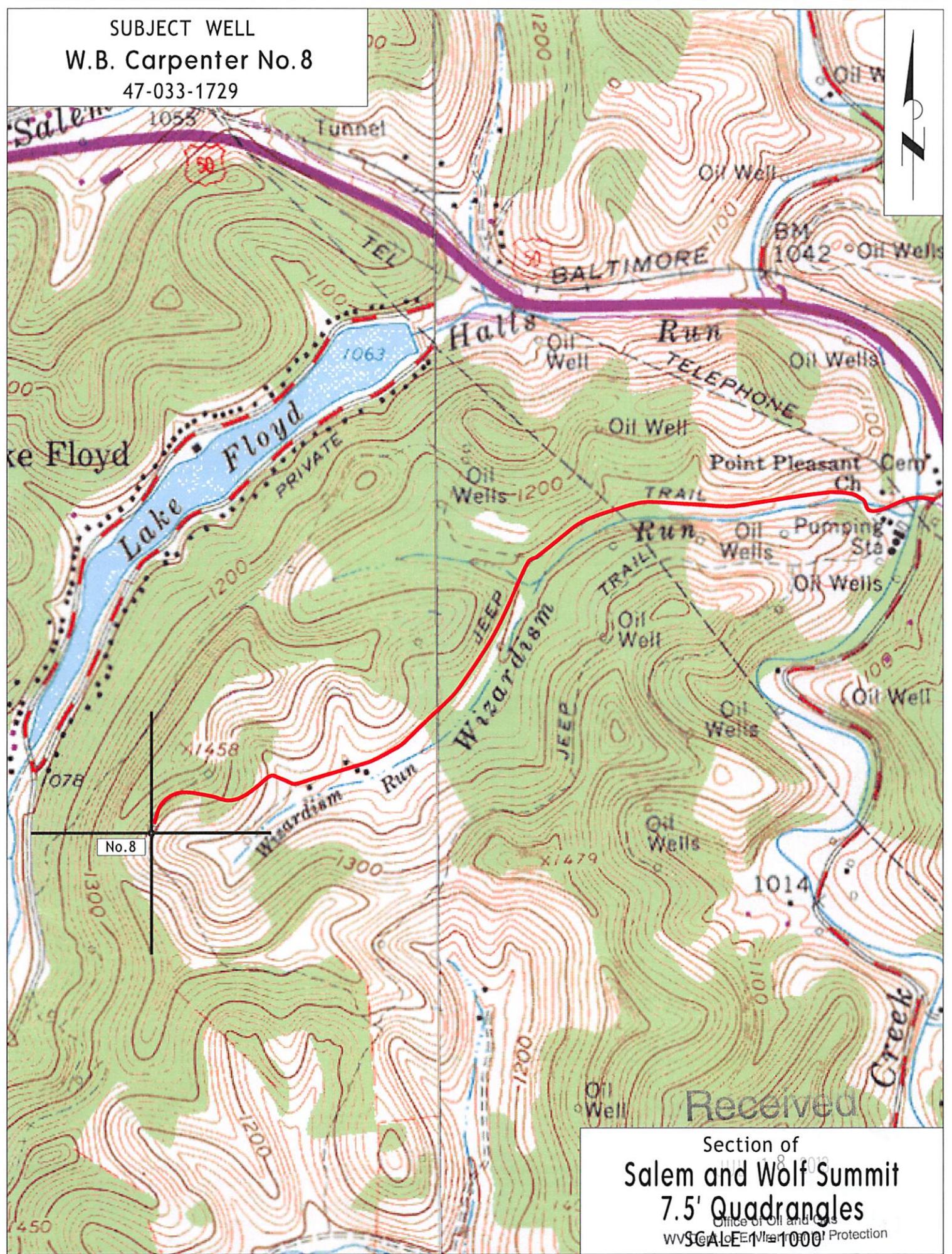
Plan Approved by: Gene D. Warratt  
Comments: \_\_\_\_\_

Title: Civil & Gas Inspector Date: 7/16/2013

Field Reviewed? \_\_\_\_\_ Yes X No

3301729

SUBJECT WELL  
W.B. Carpenter No.8  
47-033-1729



Section of  
Salem and Wolf Summit  
7.5' Quadrangles

Office of Oil and Gas  
WV SCALE 1:1000  
Department of Environmental Protection

Received



3301729A



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

CHK # 2284  
\$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. 8 (47-033-1729)  
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

Received

JUL 18 2013

Office of Oil and Gas  
WV Dept. of Environmental Protection