



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: 47-10300973, 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: 4

Farm Name: EFAW, A.

API Well Number: 47-10300973

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.

Well No. **6839** *Alfred Gaus* Farm.
 Lease No. *Sub* Township *Netley* County *W*
 Rig built by *Joe Lee*
 Well drilled by *Jackie Kelly* Contractor.
 Began drilling *Oct 20 1903* Completed *July 20 1904*

Prod. Formation *Pop Bottom* *Permian*

Conductor		16	
<i>Pop foot</i>	1070	1078	
<i>Standard Sand</i>	1545	1595	
<i>Gas</i>	1684	1725	
<i>Salt</i>	1820	2120	<i>Water 3 Bails at 1850</i>
<i>Maxim</i>	2176	2240	
<i>Little Lamin</i>	2245	2260	<i>Steel Lin</i>
<i>Council Spring</i>	2260	2265	1070
<i>Big Lamin</i>	2265	2325	1560
<i>Big Dryum Sand</i>	2325	2530	2265
<i>Gas</i>	2360		2585
<i>String Gaud</i>	3109	3135	3126
<i>Show of oil</i>	3126		3145
<i>Gordon Sand</i>	3145	3151	3156
<i>Oil</i>	3146		
<i>Total Depth</i>		3156	

Filled up 1000 gal at 20 ft

	<i>Missig Pseud</i>	<i>Sub in</i>	<i>Pulled</i>	<i>Surface</i>
10'	317			317
8 1/4'	1574			1574
6 7/8'	2290			2290
5 3/4'	2602			2602

Shot 7/20/16 - 40gt. Gordon

Sig J. Sidwell Suph.

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

WW-4A
Revised 6-07

1) Date: September 18, 2014
2) Operator's Well Number
Alfred Efav 4
3) API Well No.: 47 - 103 - 0973

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

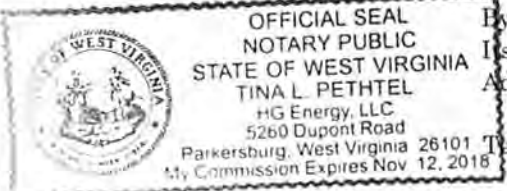
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Steven & James Barbe</u>	Name <u>Murray Coal</u>
Address <u>60 May Lane</u>	Address <u>46226 National Road</u>
<u>Burton, WV 26562</u>	<u>St. Clairsville, OH 43950</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector _____	(c) Coal Lessee with Declaration
Address _____	Name _____
	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	<u>HG Energy, LLC</u>
	By:	<u>Diane White</u>
	Is:	<u>Agent</u>
	Address	<u>5260 Dupont Road</u> <u>Parkersburg, WV 26101</u>
	Telephone	<u>304-420-1119</u>

Subscribed and sworn before me this 18 day of September 2014

My Commission Expires NOV 12 2018

Notary Public

Received
Office of Oil & Gas

OCT 06 2014

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 depprivacyoffier@wv.gov.

103 00973P

U.S. Postal Service™
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OFFICIAL USE

Postage	\$ 1.40
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.40

Received
Office of Oil & Gas
OCT 06 2014

Sent to

at Apt. No. Steven & James Barbe
Box No. 60 May Lane
City, State, ZIP+4 Burton WV 26562

900, August 2006 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
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For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.40
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.40

Postmark
Here
AE 4

Sent to Murray Coal
Street, Apt. No. 46226 National Rd
or PO Box No. St. Clairsville OH 43950
City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

7012 3460 0002 6850 6262

6850 6279

11/28/2014

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 Camp Run Creek Quadrangle Littleton 7.5'

Elevation 1294' County Wetzel District Center

Description of anticipated Pit Waste: Fluids encountered while plugging the subject well.

Will a synthetic liner be used in the pit? Yes Zonik.

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
9-25-14

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 Agent

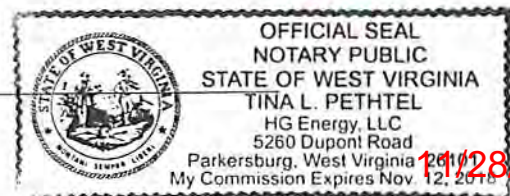
Subscribed and sworn before me this 18 day of September, 20 14

Times PE

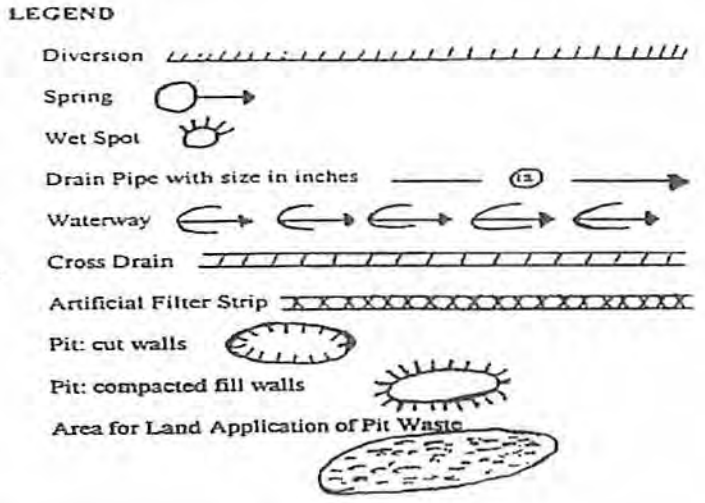
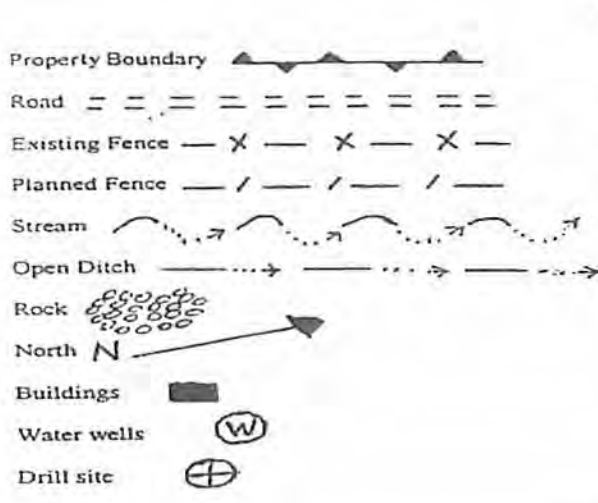
Notary Public

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Office of Oil & Gas
OCT 06 2014

My commission expires NOV. 12. 2018



11/28/2014



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: [Signature]

Comments: _____

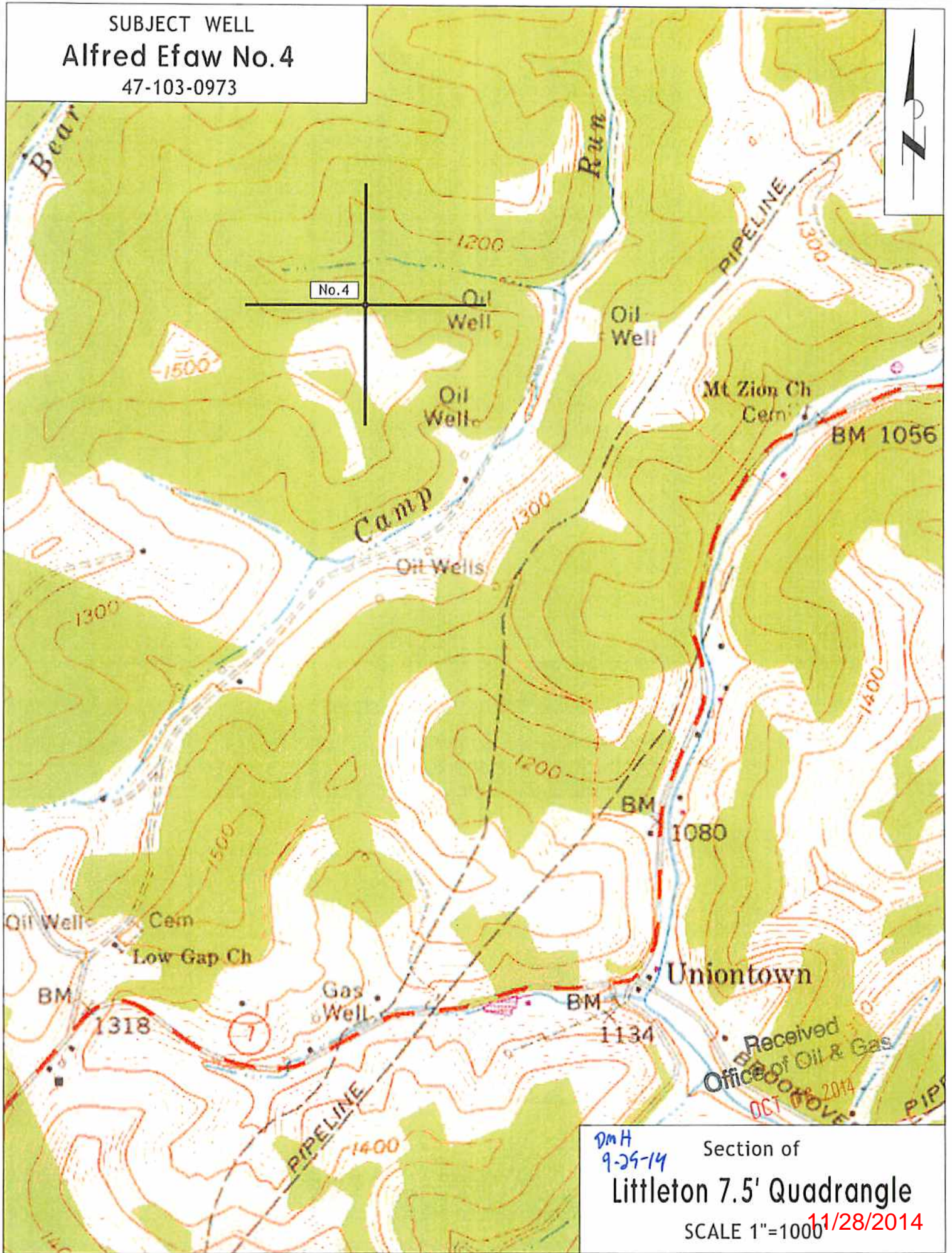
Title: Oil + Gas Inspector

Date: 9-25-19

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Office of Oil & Gas
OCT 06 2014

Field Reviewed? () Yes () No

SUBJECT WELL
Alfred Efaw No.4
47-103-0973



dmH
9-29-14
Section of
Littleton 7.5' Quadrangle
SCALE 1"=1000
11/28/2014

Received
Office of Oil & Gas
OCT 10 2014

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

API: 47- 103 - 0973 WELL NO: No.4

FARM NAME: Alfred Efaw

RESPONSIBLE PARTY NAME: HG Energy, LLC

COUNTY: Wetzel DISTRICT: Center i

QUADRANGLE: Littleton 7.5' 438

SURFACE OWNER: Steven & James Barbe

ROYALTY OWNER: HG Energy LLC et al.

UTM GPS NORTHING: 4,388,915

UTM GPS EASTING: 537,322 GPS ELEVATION: 394 m. (1292')

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 Agent
Title
Received
Office of Oil & Gas
OCT 06 2014



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

10300973F
CK2770
100.00

September 17, 2014

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

RE: Alfred Efaw No. 4 (47-103-00973)
Center 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 White

Diane C. White

Enclosures

cc: Steven & James Barbe – Certified
Murray Coal Company - Certified
Derek Haught - Inspector

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OCT 06 2014

11/28/2014