



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

September 03, 2013


WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4301735, 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: W.VA. DEPT. OF NATURAL RESC
API Well Number: 47-4301735
Permit Type: Plugging
Date Issued: 09/03/2013

4301735P

WW-4B
Rev. 2/01

1) Date: July 9, 2013
2) Operator's Well Number
Horse Creek Tract "C" No. 1
3) API Well No: 47 - 043 - 1735
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 Gas Liquid Injection Waste Disposal
(If "Gas", Production Underground Storage) Deep Shallow

5) LOCATION: Elevation: 981' Watershed: Joes Creek
District: Duval 02 County: Lincoln 43 Quadrangle Garrett's Bend 7.5' 358

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 Ralph Triplett Name Petty Well Service
Address 5539 McClellan Hwy Address
Branchland, WV 25506

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

CASING	
8 5/8"	368'
4 1/2"	2,535'

TD - 2,529'

- Plug No. 1 2,460' - 2,360'
- Rip & pull 4 1/2" casing @ 2,100'
- Plug No. 2 2,100' - 1,900'
- Plug No. 3 1,100' - 1,000'
- Plug No. 4 1,400' - 1,300'
- Plug No. 5 420' - 320'
- Plug No. 6 100' - surface

OK
RDT
07/15/13
1400' - 1300'
1100' - 1000'

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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Chief, Office of Oil & Gas

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

See the reverse side of the APPLICANT'S COPY for instructions to the well operator

Received
AUG 12 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

09/06/2013

4301735P

WW-4A
Revised 6-07

1) Date: July 9, 2013
2) Operator's Well Number
Horse Creek Tract "C" No. 1
3) API Well No: 47 - 043 - 1735
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

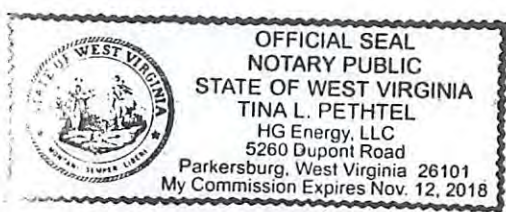
4) Surface Owner(s) to be served:	5) (a) Coal Operator:
(a) Name <u>WV Department of Natural Resources</u>	Name <u>NA</u>
Address <u>State Capital Bldg 3, Room 643</u>	Address _____
<u>Charleston, WV 25305</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>NA</u>
_____	Address _____
(c) Name _____	_____
Address _____	Name _____
_____	Address _____
_____	<u>NA</u>
6) Inspector <u>Ralph Triplett</u>	(c) Coal Lessee with Declaration
Address <u>5539 McClellan Hwy</u>	Name _____
<u>Branchland, WV 25506</u>	Address _____
Telephone <u>304-389-0350</u>	<u>NA</u>

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
AUG 12 2013
Office of Oil and Gas
Environmental Protection

Subscribed and sworn before me this 9 day of July 2013

Tina L Pettel
Notary Public

My Commission Expires Nov 12, 2018

09/06/2013

Legend

Property Boundary		Diversion	
Road		Spring	
Existing Fence		Wet Spot	
Planned Fence		Drain Pipe	
Stream		Waterway	
Open Ditch		Cross Drain	
Rock		Filter Strip	
North		Pit: Cut Walls	
Buildings		Pit: Compacted Fill Walls	
Water Wells		Area of Land Application of Pit Waste	
Drill Site			

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

Seed Type	Area I (Location)	Lbs./Ac.
Tall Fescue		40
Ladino Clover		5

Seed Type	Area II (Road)	Lbs./Ac.
Tall Fescue		40
Ladino Clover		5

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

Received

AUG 12 2013

Office of Oil and Gas
 WV Dept. of Environmental Protection

Plan Approved by: Raeppel D. Trupell

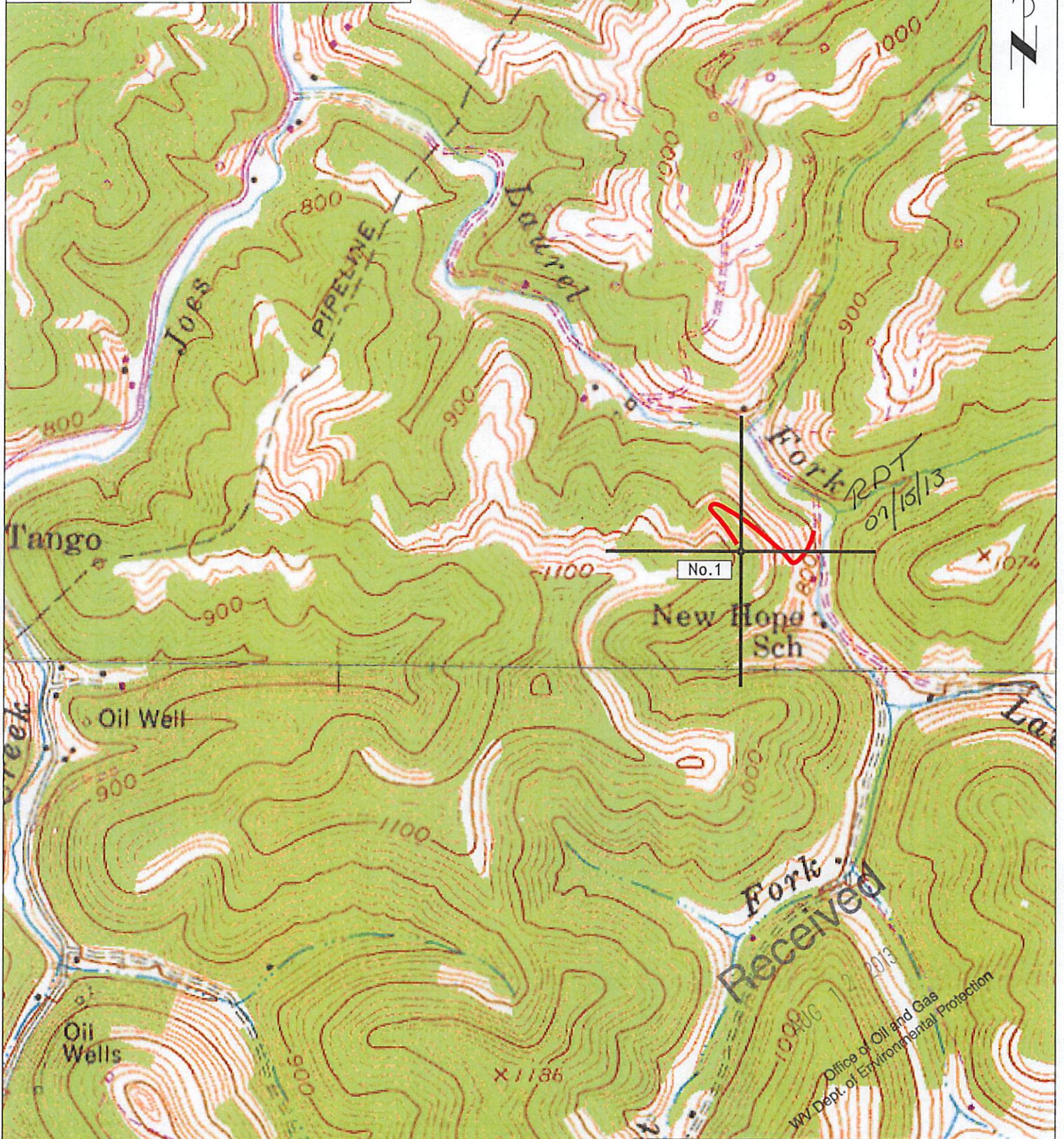
Comments: _____

Title: District Inspector

Date: 07/15/13

Field Reviewed? Yes No

SUBJECT WELL
Horse Creek Tr. "C" No. 1
47-043-1735



Section of
Garrett's Bend & Griffithsville
7.5' Quadrangles
SCALE 1"=1000
09/06/2013

Office of Oil and Gas
WV Dept. of Environmental Protection

4301735 P

WW-7
5-02

West Virginia Department of Environmental Protection
Office of Oil & Gas

WELL LOCATION FORM: GPS

API: 47- 043 - 1735 WELL NO: No.1

FARM NAME: Horse Creek Tract "C"

RESPONSIBLE PARTY NAME: HG Energy, LLC

COUNTY: Lincoln DISTRICT: Duval

QUADRANGLE: Garrett's Bend 7.5'

SURFACE OWNER: W.Va. Dep't. of Natural Resources

ROYALTY OWNER: HG Energy LLC et al.

UTM GPS NORTHING: 4,234,227

UTM GPS EASTING: 420,715 GPS ELEVATION: 299 m. 981 FT.

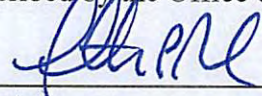
The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil & Gas will not accept GPS coordinates that do not meet the following requirements:

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"/>

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Office of Oil and Gas
WV Dept. of Environmental Protection

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

Professional Surveyor
Title

July 3, 2013
Date

09/06/2013