



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

August 19, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-10301217, 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: 28

Farm Name: HOYT, L. S.

API Well Number: 47-10301217

Permit Type: Plugging

Date Issued: 08/19/2014

Promoting a healthy environment.

08/22/2014

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.

103012174

WW-4B
Rev. 2/01

- 1) Date: June 10, 2014
- 2) Operator's Well Number L. S. Hoyt No. 28
- 3) API Well No: 47 - 103 - 1217
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: 1380' Watershed: Betsy Run
District: Grant County: Wetzel Quadrangle Pine Grove 7.3'
- 6) WELL OPERATOR: HG Energy, LLC 4.94E+08 7) DESIGNATED AGENT Micheal G. Kirsch
Address 5260 Dupont Road Address P.O. Box 5519
Parkersburg, WV 26101 Vienna, WV 26105-5519
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Derek Haught
Address P. O. Box 85
Smithville, WV 26178
- 9) PLUGGING CONTRACTOR Name To Be Determined Upon Approval of Permit
Address _____

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

CASING
10" 690' - pulled
8 1/4" 1350' (1270' pulled)
6 5/8" 2352'
5 1/2" 2366'
4 1/2" FJ liner 2316' - 3027'

TD- 3,027' PGH Coal - 935'

Manners of plugging:
Attempt to pull liner
If unable to pull liner perforate 2990'-2890'
Plug 2990'-2890'
Free point & pull 5 1/2" - est 2100'
Plug 2150'-2050'
Free point & pull 5 6 5/8" - est 1350'
Plug 1400'-1300'
Plug 975'-875' (perforate casing across Coal if pipe not removed) (TAG)
Plug 500'-400'
Plug 100'-0'

OK J.W.M.
8/19/14

Erect Monument with API No. per regulations
Note: 6% Gel between all cement plugs.
Cement Plugs are Class A, Regular Neat Cement
All attempts will be made to recover as much casing and tubing 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.

Bond:	Agent:	Plat:	Casing:	WPCP	Other
-------	--------	-------	---------	------	-------

RECEIVED
Office of Oil and Gas

AUG 18 2014

WV Department of
Environmental Protection

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

08/22/2014

WATER RECORD

10301217A

Top	Bottom	Formation and Remarks	Top	Bottom	Formation and Remarks
2931		Pittsburgh coal			
2940	2940	Big Injun			
2957		top stray			
2980		Hole reduced			
	2995	Bottom of stray			
3002		Garden			
3007		Oil			
	3027	Bottom of hole			
Last day pumped before starting to clean out			July 30, 1962.		
Completed and put to pumping			Jan. 7, 1963.		
Lining record - That we run			1356 feet	5 1/2 U.S.	- 8 mi. dia. very good
type of 75 coils.					
<u>BRADFORD MOTOR WORKS RUMPS</u>					
Rumper No. 627143					
Size 5 1/2" x 7"					
No. 10, 8 mi.					
Outside dimension 6-3/16"					
Inside dimension 5-1/32"					
Length of rubber 15"					
<u>LINE RECORD</u>					
14 feet including 30 inch piece on top.					
Now 4 1/2" dia. - 10 mi. dia. inside diameter					
Plus joint liner. Solid collar on top of 30" piece.					
Two bottom joints perforated with slots 6" x 3/4". Total no. of					
slots - 04. Bottom of bottom joint open.					
23 joints of liner					
Liner set on bottom					
Top of liner 2916.					
<u>PULLER RECORD</u>					
300' - 1" - 10 mi. dia. tubing 2", very good					
or 130 joints and 4'-5" piece on top					
2 feet tubing barrel					
3 foot anchors					
No standing valve					
<u>NEW RECORD - 5/8" rods - 1/8" pins and boxes</u>					
120 rods and 14 foot piece on top.					
Bradford Motor Works Pump					

RECEIVED
Office of Oil and Gas

JUN 25 1963

WW Department of
Environmental Protection

08/22/2014

10301217

WELL RECORD

Field West Virginia Property Hoyt No. 28 Well No. 28
 Drilled by Quaker State Oil Refining Corp. Date Completed 8-21-01 Flood No. _____
 Cored by _____ Type Core _____ Elevation _____
 Top of Core _____ Bottom of Core _____ Total Depth _____
 Electric Log by _____ Floor to Ground _____

	Amount	Size	Weight	Remarks
XXXXXX Drive Pipe	690 ft	10"	690 ft	
XXXXXX Conductor	1430	8"	1350	80 ft. left in
Casing	2352	6-5/8"		2352 ft. left in
Casing year 1962	2366	5 1/2" 8 rd. thd		2366 ft. left in or 76 jts.
XXXXXX Tubing year 1962	714	4 1/2 O.D.		714 ft. left in or 23 jts. 150 joints x 4'-5"
XXXXXX Perforated	3023'-1"	2"	4.6 10 rd	3023'-1" left in
Rods year 1962		5/8 x 7/8 Fin		120 rods & 14 ft. sub

Working Barrel _____ Make _____ Size _____

Packer _____ Type _____ Top _____ Bott _____

Cement	Sand	Anchor
Top Sand		Top Shot
Bottom Sand		Bottom Shot
Break		Amount Shot
Top Sand		Date of Shot
Bottom Sand		Shot by
Total Sand		
Pocket		

Date	Fts.	Remarks:
October 23, 1901	60	150 bbls. - production
May 16, 1913	170	
August 13, 1935	180	

RECEIVED
 Office of Oil and Gas
 JUL 25 2014
 WV Department of
 Environmental Protection

08/22/2014

10301217P

WW-4A
Revised 6-07

- 1) Date: June 10, 2014
- 2) Operator's Well Number L. S. Hoyt No. 28
- 3) API Well No: 47 - 103 - 1217
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

*ck 26886
100*

- 4) Surface Owner(s) to be served:
 - (a) Name Dallison Lumber, Inc.
 - Address HC 79, Box 50
Jacksonburg, WV 26377
 - (b) Name _____
 - Address _____
 - (c) Name _____
 - Address _____
- 6) Inspector Derek Haught
- Address P. O. Box 85
Smithville, WV 26178
- Telephone 206-7613

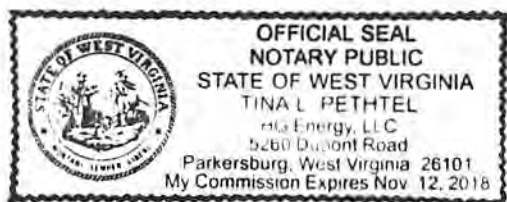
- 5) (a) Coal Operator:
 - Name CONSOL Energy
 - Address 1000 CONSOL Energy Drive
Cannonsburg, PA 15317-6506
 - (b) Coal Owner(s) with Declaration
 - Name NA
 - Address _____
 - (c) Coal Lessee with Declaration
 - Name NA
 - Address _____

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
Office of Oil and Gas
JUN 25 2014
Department of Environmental Protection

Subscribed and sworn before me this 10 day of June 2014

Tina L Pethel Notary Public

My Commission Expires Nov 12, 2018

08/22/2014

10301217P

7012 2920 0001 3227 9438

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com.

JACKSONBURG WV 26377

OFFICIAL USE

Postage	\$ 1.40
Certified Fee	\$ 3.30
Return Receipt Fee (Endorsement Required)	\$ 2.70
Restricted Delivery Fee (Endorsement Required)	\$ 0.00
Total Postage & Fees	\$ 7.40



Sent To
Dallison Lumber
 Street, Apt. No., or PO Box No. **HC 79, Box 50** ✓
 City, State, ZIP+4 **Jacksonburg, WV 26377**

PS Form 3800, August 2006 See Reverse for Instructions

7012 2920 0001 3227 9421

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com.

CANNONSBURG PA 15317

OFFICIAL USE

Postage	\$ 1.40
Certified Fee	\$ 3.30
Return Receipt Fee (Endorsement Required)	\$ 2.70
Restricted Delivery Fee (Endorsement Required)	\$ 0.00
Total Postage & Fees	\$ 7.40



Sent To
CONSOL Energy ✓
 Street, Apt. No., or PO Box No. **1000 CONSOL Energy Drive**
 City, State, ZIP+4 **Cannonsburg, PA 15317**

PS Form 3800, August 2006 See Reverse for Instructions

RECEIVED
 Office of Oil and Gas
 JUN 25 2014
 WV Department of
 Environmental Protection

08/22/2014

WW-9
Rev. 02/03

Page 3 of 3
API Number 47- 103 - 1217
Operator's Well No. _____ L. S. Hoyt No. 28

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 Betsy Run Quadrangle Pine Grove 7.5'
Elevation 1380' County Wetzel District Grant

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

Will a synthetic liner be used in pit? Yes Size of Liner? 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 _____)

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

DMH
6-13-14

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.

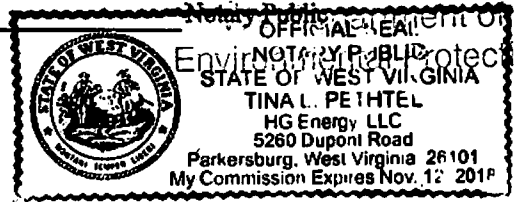
Company Official Signature *Diane C White*
Company Official (Typed Name) Diane C White
Company Official Title Accountant

RECEIVED
Office of Oil and Gas

Subscribed and sworn before me this 15 day of June 2014 JUN 25 2014

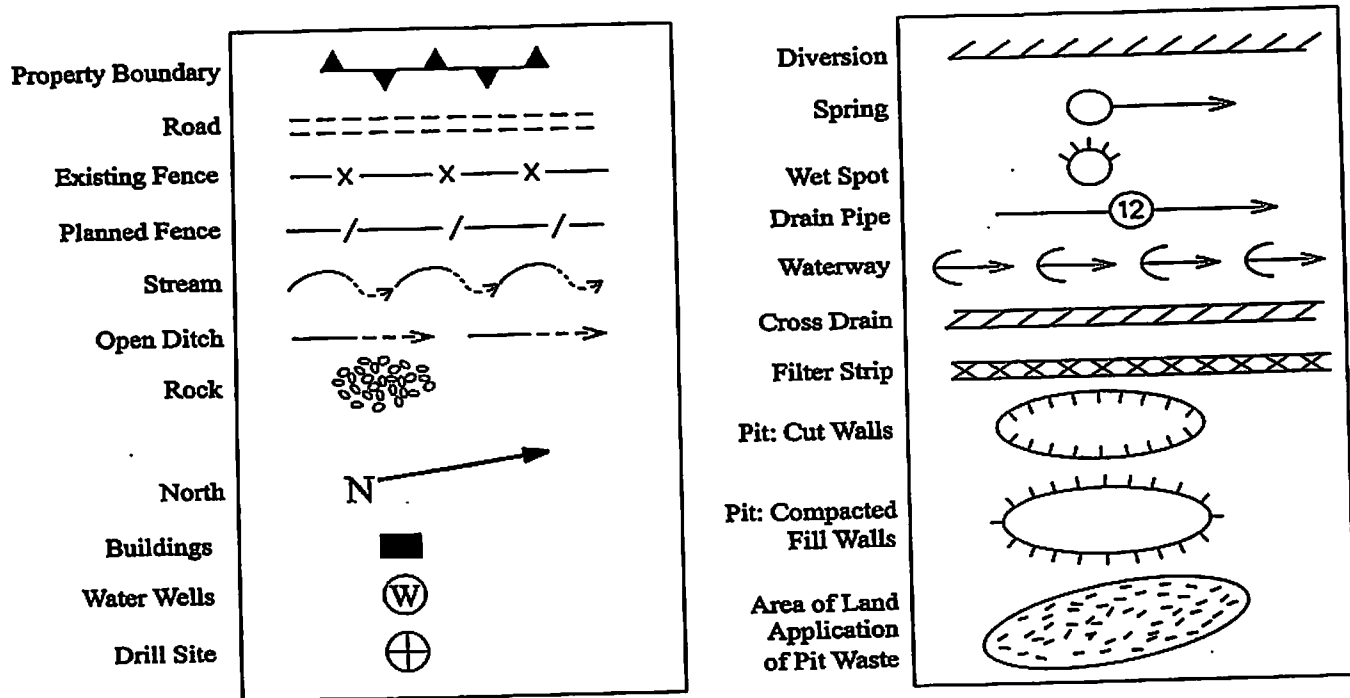
Jane Z [Signature]

My commission expires 11/02/2018



08/22/2014

Legend



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

Area II
Approx. 0.5 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

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: _____

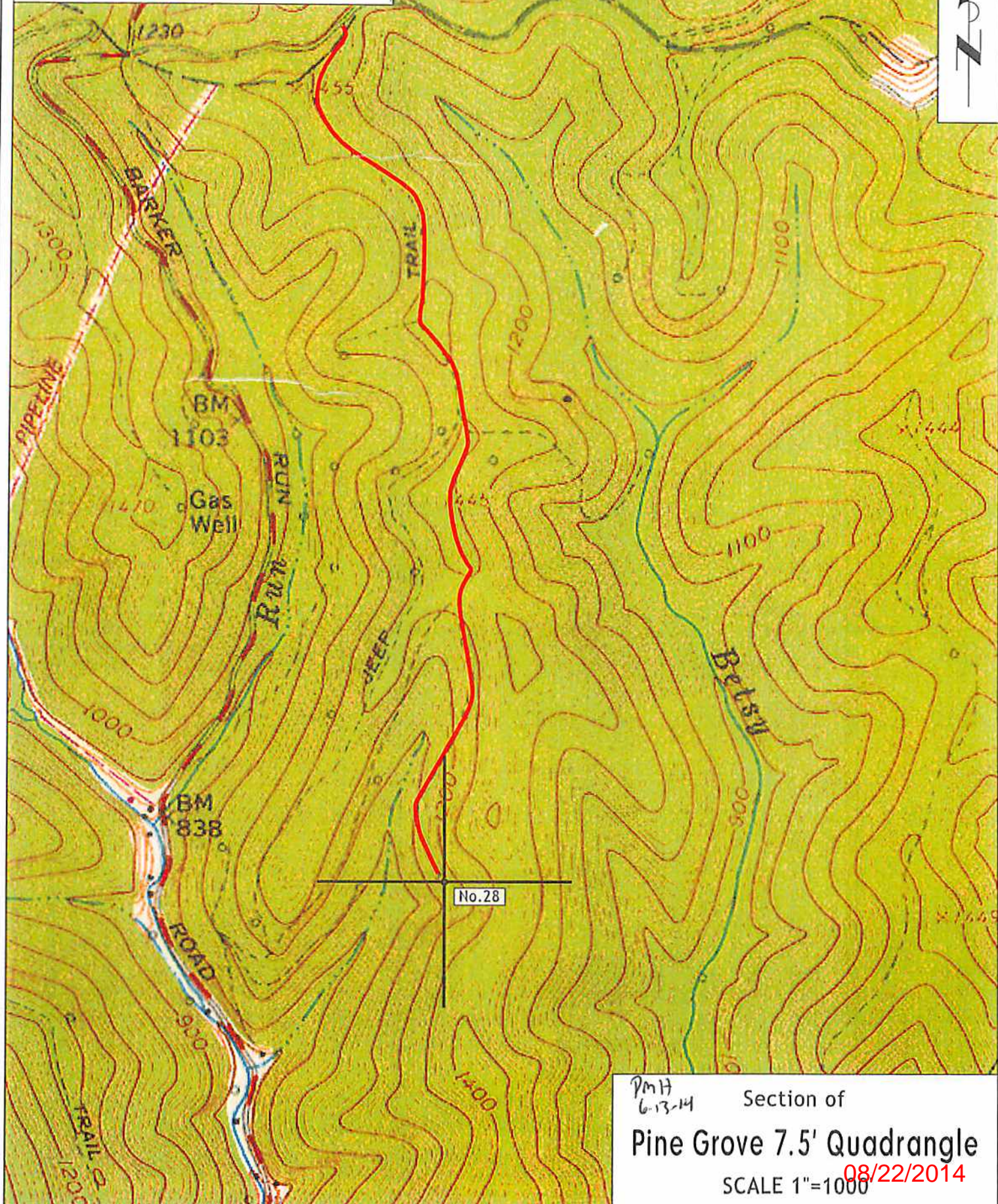
Title: Oil + Gr Inspection Date: 6-13-14

Field Reviewed? Yes No

10301217P

SUBJECT WELL
L.S. Hoyt No. 28
47-103-1217

Creswell



PMH
6-13-14 Section of
Pine Grove 7.5' Quadrangle
SCALE 1"=1000
08/22/2014

10301217 P

WW-7
8-30-06

West Virginia Department of Environmental Protection
Office of Oil & Gas

WELL LOCATION FORM: GPS

API: 47- 103 - 1217 WELL NO: No. 28

FARM NAME: L.S. Hoyt

RESPONSIBLE PARTY NAME: H.G. Energy, LLC

COUNTY: Wetzel DISTRICT: Grant

QUADRANGLE: Pine Grove 7.5'

SURFACE OWNER: Dallison Lumber Company

ROYALTY OWNER: Hoyt Foundation

UTM GPS NORTHING: 4,382,637 (NAD 83)

UTM GPS EASTING: 529,757 (NAD 83) GPS ELEVATION: 349 m. (1145 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"/>
	<input type="checkbox"/> Real-Time Differential	<input type="checkbox"/>
Mapping Grade GPS	<input checked="" type="checkbox"/> Post Processed Differential	<input checked="" type="checkbox"/>
	<input 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 C White Diane C White
Signature

June 3, 2014
Date

RECEIVED
Office of Oil and Gas
Designated Agent
JUN 25 2014
Title

WV Department of
Environmental Protection
08/22/2014



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

103 012174

June 10, 2014

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

RE: L. S. Hoyt No. 28 (47-103-1217)
Grant 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:

Dallison Lumber, Inc. – Certified
CONSOL Energy - Certified
Derek Haught - Inspector

RECEIVED
Office of Oil and Gas
JUN 25 2014
WV Department of
Environmental Protection

08/22/2014