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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 24, 2014

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-10301532, 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: L. S. HOYT 79  
Farm Name: HOYT FOUNDATION  
**API Well Number: 47-10301532**  
**Permit Type: Plugging**  
Date Issued: 07/24/2014

**Promoting a healthy environment.**

## 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

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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.

WW-4B  
Rev. 2/01

1) Date: June 10, 2014  
2) Operator's Well Number L. S. Hoyt No. 79  
3) API Well No: 47 - 103 - 1532  
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 \_\_\_\_\_ Underground Storage \_\_\_\_\_ ) Deep \_\_\_\_\_ Shallow \_\_\_\_\_  
5) LOCATION: Elevation: 1023' Watershed: Little Fishing Creek  
District: Center County: Wetzel Quadrangle Pine Grove 7.5'  
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 9) PLUGGING CONTRACTOR  
Name Derek Haught Name To Be Determined Upon Approval of Permit  
Address P. O. Box 85 Address \_\_\_\_\_  
Smithville, WV 26178

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

CASING	
8 1/4"	1,447'
6 5/8"	2,076'

TD- 2,975' PGH Coal - 920'  
Plug No. 1 2,950' - 2,850' (Tag)  
Rip & pull 6 5/8" Casing (est 1,600')  
Plug No. 2 2,120' - 2,020'  
Plug No. 3 1,650' - 1,550'  
Rip 8 1/4" casing from 970' - 870' & thru coal from 925' - 915'.  
Plug No. 4 970' 870' (Tag)  
Rip & pull 8 1/4" casing (est 500')  
Plug No. 4 550' - 450'  
Rip 8 1/4" casing 200' - 100'  
Plug No. 5 200' - 100'

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

DMH  
6-13-14

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  
Office of Oil and Gas

Chief, Office of Oil & Gas JUN 25 2014

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

WV Department of  
Environmental Protection

PENNZOIL COMPANY - WELL RECORD

BC10-09255

Lease Name Hoyt, L. S. (N-1/2 P.I.) Well No. 79 Compl. Date
District Hunt County Wilcox State Ill.

Producing Sand(s) 1) Sandstone Top 2957 Bottom Oil 3461
2) Top Bottom K.B.
Total Depth 2775 Plug-back Depth Elevation G.L. Perm. Datum G.L.

COMPLETION HISTORY: All Measurements from Perm. Datum.

Casing: 1) Size 8 1/4" wt. #/ft. GR Thread set @ 1447 No. Jts. Cmt. sks.
2) Size 6 7/8" wt. #/ft. GR Thread set @ 2309 No. Jts. Cmt. sks.
3) Size " wt. #/ft. GR Thread set @ No. Jts. Cmt. sks.
4) Size " wt. #/ft. GR Thread set @ No. Jts. Cmt. sks.
Open Hole Section - Perforations No. Holes Size
Fracture: Acid gal. of ; Fluid Amt. Sand Amt.
B.D.P. Max. T.P. Min. T.P. Avg. T.P. Avg. T.R. BPM
ISIP 5 min. SIP 10 min. SIP 15 min. SIP

PRODUCTION EQUIPMENT:

Tubing: Size " wt. #/ft. GR Thread No. Jts.
Length of Seating Nipple Length of Anchor Total Footage
Rods: Size No. of Rods Record of Pony Rods
Bottom Hole Pump: Make Size Length Length of Stroke
Type Hold Down Type Plunger Plunger Length
Valves Type Single Double
Pumping Jack: Make Size Ser. # Lg. of Stroke SPM
Electric Motor: Type Make Phase HP Volts Amps RPM
Gasoline Motor: Make Type HP
Pulleys & Belts: Pumping Jack Pulley " Motor Pulley " Belts No. & Size

10301532P

### SOUTH PENN. OIL COMPANY—COMPLETION

SERIAL NO. \_\_\_\_\_ FARM L.S. Hoyt, P.I. WELL NO. 79  
 ELEVATION \_\_\_\_\_ N 12 S \_\_\_\_\_ E \_\_\_\_\_ W. 1.  
 LEASE NO. \_\_\_\_\_ ACRES 2100  
 WATERS OF Little Fishing Creek  
 DISTRICT Center COUNTY Wetzel STATE W. Va.  
 DRILLING COMMENCED 3/3/03. COMPLETED No Record DEPTH 2975'

SANDS	TOP	BOTTOM	ELEV. TOP	CASING
Pgh. Coal <del>2320-2325</del>	920			
Big Injun	2127	2362		10" 548 <i>Pulled?</i>
Gordon Stray	2922	2947		8 1/2" 1447
Gordon	2957			6 3/4" 2309
				PACKERS AND DEPTH SET

INITIAL PROD. No Record SAND Gordon DEPTH 2041'  
 GAS TEST No Record  
 SHOT 5/9/03. QUARTS 30 Qts. Nov. 1903, 60 Qts. Oct. 1904,  
 REMARKS 80 Qts., 12/31/07, 90 Qts. 1/2/13, 135 Qts.

REPORTED BY PINEY DISTRICT ABANDONED Not Aband.  
 P. O. 234-88-10-21

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

10301532P

WW-4A  
Revised 6-07

- 1) Date: June 10, 2014
- 2) Operator's Well Number L. S. Hoyt No. 79
- 3) API Well No: 47 - 103 - 1532  
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 2690  
10000

- 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

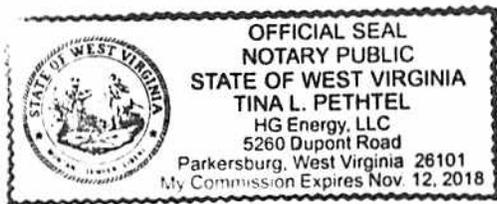
- 5) (a) Coal Operator:
  - Name CONSOL Energy ✓
  - Address 1000 CONSOL Energy Drive  
Cannonsburg, PA 15317-6506
- (b) Coal Owner(s) with Declaration
  - Name NA
  - Address \_\_\_\_\_
- (c) Coal Lessee with Declaration
  - Name NA
  - Address \_\_\_\_\_

**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

Subscribed and sworn before me this 10 day of June 2014 JUN 25 2014  
Tina L Pethel  
 My Commission Expires Nov 12, 2018  
 WV Department of Environmental Protection  
 Notary Public

7012 2920 0001 3227 9278

U.S. Postal Service™  
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CANONSBURG PA 15317

Postage	\$ 1.40	0330
Certified Fee	\$ 3.30	17
Return Receipt Fee (Endorsement Required)	\$ 2.70	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
<b>Total Postage &amp; Fees</b>	<b>\$ 7.40</b>	



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

7012 2920 0001 3227 9445

U.S. Postal Service™  
**CERTIFIED MAIL™ RECEIPT**  
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JACKSONBURG WV 26377

Postage	\$ 1.40	0330
Certified Fee	\$ 3.30	17
Return Receipt Fee (Endorsement Required)	\$ 2.70	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
<b>Total Postage &amp; Fees</b>	<b>\$ 7.40</b>	



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

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 Office of Oil and Gas  
 JUN 9 5 2014  
 WV Department of  
 Environmental Protection

10301532P

WW-9  
Rev. 02/03

Page 3 of 3  
API Number 47- 103 - 1532  
Operator's Well No. L. S. Hoyt No. 79

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 Little Fishing Creek Quadrangle Pine Grove 7.5'  
Elevation 1023' County Wetzel District Center

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

DWH  
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.

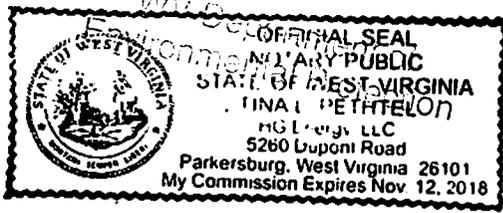
Company Official Signature Diane C White  
Company Official (Typed Name) Diane C White  
Company Official Title Accountant

Subscribed and sworn before me this 10 day of June 2014

Tr 2 Pitt

RECEIVED  
Office of Oil and Gas  
JUN 25 2014  
Notary Public

My commission expires Nov 12, 2018



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. 0.6 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:

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

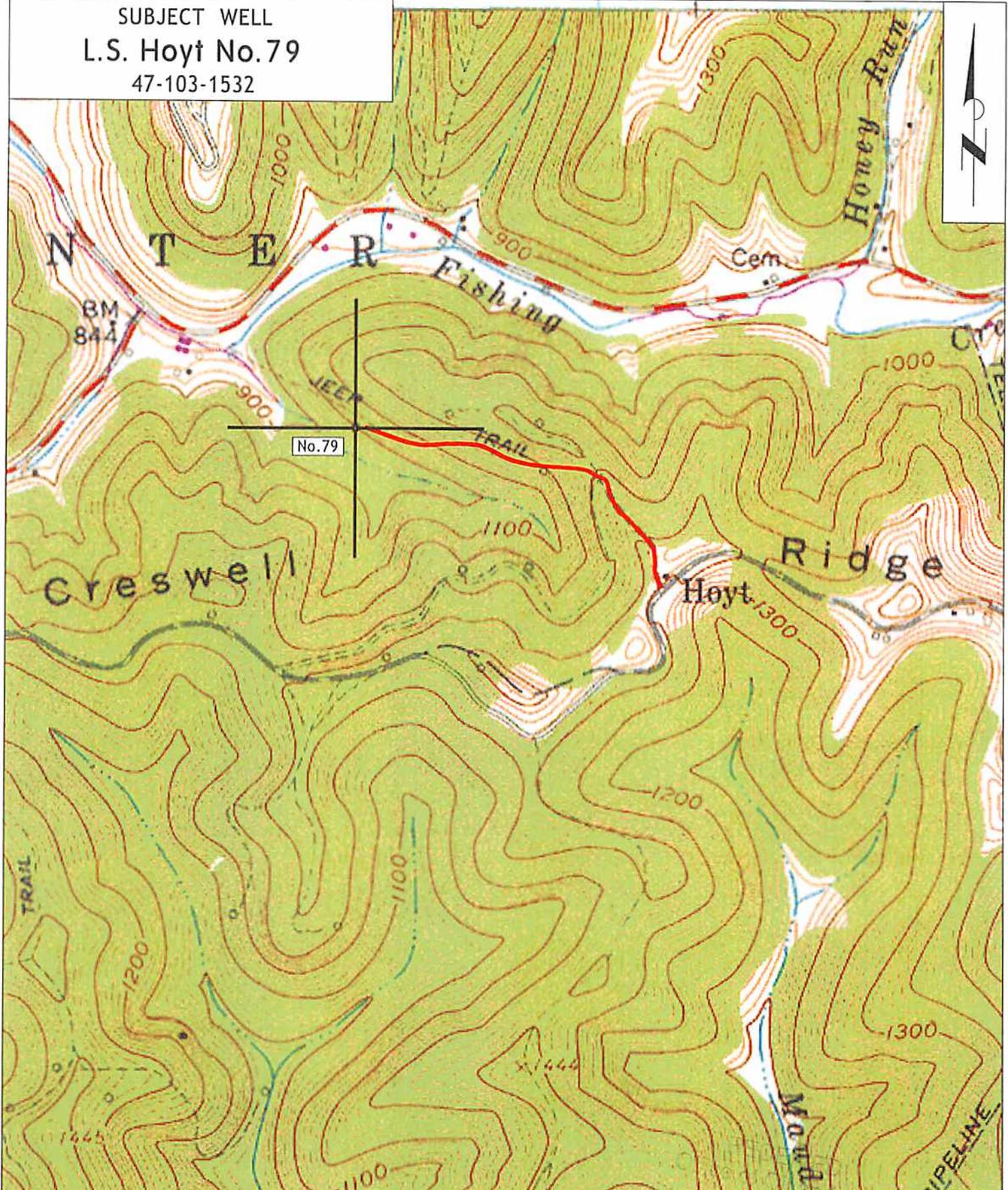
Title: Oil + Gas Inspector

Date: 6-18-19

Field Reviewed?  Yes

No

SUBJECT WELL  
L.S. Hoyt No.79  
47-103-1532



PH14 Section of  
6-13-14 JUN 25 2014  
Pine Grove 7.5' Quadrangle  
U.S. Department of  
Environment and Protection  
SCALE 1"=1000'

West Virginia Department of Environmental Protection  
Office of Oil & Gas

**WELL LOCATION FORM: GPS**

API: 47- 103 - 01532 WELL NO: No. 79

FARM NAME: L.S. Hoyt

RESPONSIBLE PARTY NAME: H.G. Energy, LLC

COUNTY: Wetzel DISTRICT: Center

QUADRANGLE: Pine Grove 7.5'

SURFACE OWNER: Dallison Lumber Company

ROYALTY OWNER: Hoyt Foundation

UTM GPS NORTHING: 4,385,233 (NAD 83)

UTM GPS EASTING: 530,450 (NAD 83) GPS ELEVATION: 312 m. (1204 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"/>

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

Designated Agent  
Title

June 3, 2014  
Date



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

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June 10, 2014

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

RE: L. S. Hoyt No. 79 (47-103-1532)  
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:

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

RECEIVED  
Office of Oil and Gas

JUN 25 2014

WV Department of  
Environmental Protection