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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

June 07, 2013

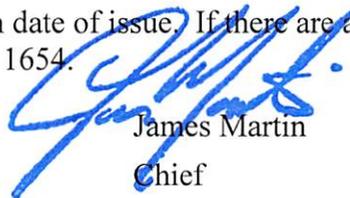
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-3901492, issued to PANTHER, 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: 340  
Farm Name: SHONK LAND COMPANY  
**API Well Number: 47-3901492**  
**Permit Type: Plugging**  
Date Issued: 06/07/2013

**Promoting a healthy environment.**

WW-4B  
Rev. 2/01

1) Date 05, 10 , 2013  
2) Operator's  
Well No. 340  
3) API Well No. 47-039-01492

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 X / Waste disposal \_\_\_\_\_  
(If "Gas, Production \_\_\_\_\_ or Underground storage \_\_\_\_\_) Deep \_\_\_\_\_ / Shallow \_\_\_\_\_

5) Location: Elevation 1372.025 Watershed Long Bottom Creek

District Cabin Creek County Kanawha Quadrangle Sylvester

6) Well Operator Panther, LLC 7) Designated Agent Gary Acord  
Address 500 Lee Street, East Suite 900 Address 500 Lee Street, East Suite 900  
Charleston, WV 25301 Charleston, WV 25301

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Terry Urban Name CJ's Well Service  
Address P.O. Box 1207 Address P.O. Box 133  
Glendenin, WV 25045 Rowe, VA 24646

10) Work Order: The work order for the manner of plugging this well is as follows:  
See attached plugging prognosis  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Received  
MAY 17 2013  
Office of Oil and Gas  
WV Dept. of Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector  Date 5/16/13

**PLUGGING PROGNOSIS**

Well #340  
API# 47-039- 01492  
Cabin Creek District, Kanawha County

**Current Status**

Elevation: 1,372.025'  
Total Depth:  
Active: No  
Plugged: Yes

**Procedure for Plugging**

- 1) Notify state inspector, Terry Urban, @ 304-549-5915, before starting.
- 2) Cleanout casing to at least 200' below the Eagle Coal Horizion, lowest seam to be mined
- 3) Perforate casing (if Applicable) to 101C standards to 200' below the Eagle seam
- 4) Set 300' expanding cement plug 200' below the Eagle seam to 100' above.
- 5) Cement will be set to the surface.
- 6) Depending on site conditions, plugging procedures may be modified after approval of the inspector.
- 7) All changes to the plugging procedures will be noted in the plugging affidavit.
- 8) Erect permanent monument with API number.
- 9) Reclaim the site and access road.

*Terry Urban*  
5-16-13

**Received**

MAY 17 2013

Office of Oil and Gas  
Department of Environmental Protection

3901492P

FORM 00-2

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

Shenk Land Company  
Box 1417  
Kan. City Sta. - Charleston, W. Va.

The Pure Oil Company  
Box 551 - Newark, Ohio

October 6, 1964  
Cabin Creek District  
Kanawha County  
Well No. 340  
Williams Coal Company Farm

STATE INSPECTOR SUPERVISING PLUGGING: Glen Jones

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Kanawha

ss:

L. H. Buzzard and Allen Cooper  
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by West Virginia Pipe Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 27th day of August, 1964, and that the well was plugged and filled in the following manner:

BAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
	FORMATION	Content	From To		CSG PUT IN	CSG LEFT IN
Set Paraco Packer			2690' 2690'			
		Cement	2690' 2674'	16' Cement		
Ripped 5-1/2" Csg. at 2200' & pulled from hole.					2200'	883'
Set Bridge			2200' 2190'			
Maxon Sand		Cement	2190' 2180'	10' Cement		
Line		Clay	2180' 2015'			
Red Rock		Cement	2015' 2005'	10' Cement		
7" Csg. left in hole			from 1760' to 1480'			280'
Set Bridge			1780' 1770'			
Line		Cement	1770' 1750'	20' Cement		
Set Bridge			1490' 1480'			
Slate & Shells		Cement	1480' 1470'	10' Cement		
Sand, Lime		Clay	1470' 1270'			
Sand		Cement	1270' 1260'	10' Cement		
Set Bridge			916' 906'			
DESCRIPTION OF MONUMENT						
(NAME) 1st, 2nd	Cement	50'	152'	8" Csg. imbedded below surface and protruding above surface 30" high		
(NAME) 3rd	8-5/8" Csg.	812'	815'	filled w/cement w/metal plate on top stenciled FOCO WECO #340.		
(NAME)						
(NAME)						

and that the work of plugging and filling said well was completed on the 8th day of September, 1964.

And further deponents saith not.

Sworn to and subscribed before me this 6th day of October, 1964.

*L.H. Buzzard*  
*Allen Cooper*

My commission expires: May 19, 1970

*Arthur E. ...*  
Notary Public  
Permit No. KAN-14022-P



Received

MAY 17 2013

Office of Oil and Gas  
Dept. of Environmental Protection

3901492P

WW-4A  
Revised 6-07

- 1.) Date: 05/10/2013
- 2.) Operator's Well Number 340
- 3.) API Well No.: 47-039-1488  
39-1492

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

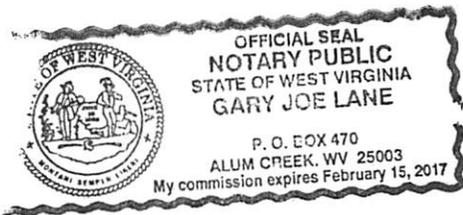
<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Shonk Land Company</u> <i>w</i> Address <u>P.O. Box 969</u> <u>Charleston, WV 25324</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p> <p>6) Inspector <u>Terry Urban</u> Address <u>P.O. Box 1207</u> <u>Clendenin, WV 25045</u> Telephone <u>304-549-5915</u></p>	<p>5) (a) Coal Operator</p> <p>Name <u>Speed Mining, LLC</u> Address <u>P.O. Box 99</u> <u>Dawes, WV. 25054</u></p> <p>(b) Coal Owner(s) with Declaration Name <u>Shonk Land Company</u> Address <u>P.O. Box 969</u> <u>Charleston, WV 25324</u></p> <p>Name _____ Address _____</p> <p>(c) Coal Lessee with Declaration Name <u>Panther, LLC</u> Address <u>500 Lee Street, East Suite 900</u> <u>Charleston, WV 25301</u></p>
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**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.

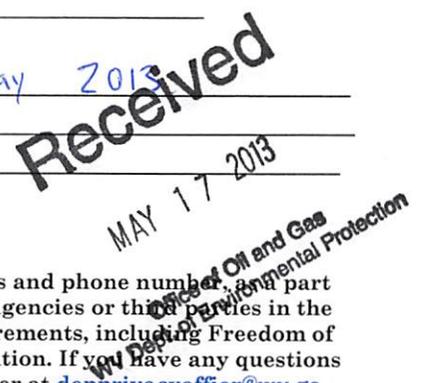
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

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 Panther, LLC  
 By: Gary Acord *Gary E. Acord*  
 Its: Agent  
 Address 500 Lee Street, East Suite 900  
Charleston, WV. 25301  
 Telephone 304-205-8847

Subscribed and sworn before me this 16th day of May 2013  
Gary Joe Lane : Notary Public  
 My Commission Expires February 15, 2017



**Oil and Gas Privacy Notice**

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as 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 [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov)



WW-4B

API No. 47-039-01492  
Farm Name Williams Coal  
Well No. 340

**INSTRUCTIONS TO COAL OPERATORS  
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

**WAIVER**

The undersigned coal operator \_\_\_\_\_ / owner [Signature] / lessee \_\_\_\_\_ / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: May 15, 2013

Shonk Land Company  
[Signature]  
By: \_\_\_\_\_  
Its Shonk Land Company

**Received**  
MAY 17 2013  
Office of Oil and Gas  
WV Dept. of Environmental Protection

3901492F

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 PANTHER, LLC OP Code \_\_\_\_\_

Watershed (HUC 10) Long Bottom Creek Quadrangle Sylvester 630

Elevation 1372.025' County Kanawha 39 District Cabin Creek 02

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

Will a pit be used for drill cuttings? Yes X No B

If so, please describe anticipated pit waste: 5' x 10' x 10'  
Will a synthetic liner be used in the pit? Yes X No \_\_\_\_\_ Is so, wat ml.? 10

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 \_\_\_\_\_ )

Will closed loop system be used? Yes, if excess will be trucked to U-80-83 slurry cells

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Water  
-If oil based, what type? Synthetic, petroleum, etc. \_\_\_\_\_

Additives to be used in drilling medium? \_\_\_\_\_

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Leave in pit  
- If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) Cement and cuttings  
- Landfill or offsite name/ permit number? U-80-83

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 Gary E. Acord  
Company Official (Typed Name) Gary Acord  
Company Official Title Agent

Received  
MAY 17 2013  
Office of Oil and Gas  
WV Dept. of Environmental

Subscribed and sworn before me this 16th day of MAY, 2013  
Gary Joe Lane Notary Public

My commission expires February 15, 2017



Proposed Revegetation Treatment: Acres Disturbed \_\_\_\_\_ 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 2 Tons or 1000-1500 lbs Hydroseed Mulch Tons/acre  
Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Fescue	40 lbs./Ac.		
Clover	5 lbs./Ac.		
Ryegrass	5 lbs./Ac.		

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: \_\_\_\_\_ Date: \_\_\_\_\_

Field Reviewed? ( ) Yes ( ) No

**Received**

MAY 17 2013

Office of Oil and Gas  
WV Dept. of Environmental Protection



3901492 P

WW-7  
8-30-06



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

API: 47-039- 01492 P WELL NO.: 340  
FARM NAME: Williams Coal Co.  
RESPONSIBLE PARTY NAME: Gary E. Acord  
COUNTY: Kanawha DISTRICT: Cabin Creek  
QUADRANGLE: Sylvester  
SURFACE OWNER: Shonk Land Company  
ROYALTY OWNER: Shonk Land Company  
UTM GPS NORTHING: 4217075.291  
UTM GPS EASTING: 455427.791 GPS ELEVATION: 1372.025 feet

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and 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 X: Post Processed Differential \_\_\_\_\_  
Real-Time Differential \_\_\_\_\_  
Mapping Grade GPS \_\_\_\_\_: Post Processed Differential \_\_\_\_\_  
Real-Time Differential \_\_\_\_\_

Received  
MAY 17 2013  
Office of Oil and Gas  
WV Dept. of Environmental Protection

**4. Letter size copy of the topography map showing the well location.**

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.

Gary E. Acord  
Signature

ENGINEER  
Title

5-08-13  
Date