



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

June 07, 2013

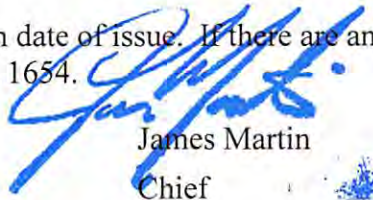
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-3905547, 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: 147
Farm Name: SHONK LAND COMPANY
API Well Number: 47-3905547
Permit Type: Plugging
Date Issued: 06/07/2013

WW-4B
Rev. 2/01

1) Date May 16 , 2013
2) Operator's
Well No. 147
3) API Well No. 47-039-05547

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 _____ or Underground storage _____) Deep _____ / Shallow _____
- 5) Location: Elevation 1472.03' Watershed Left Fork 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

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

Work order approved by inspector *Amy Urban*

Date 5/17
Received
MAY 17 2013
Office of Oil and Gas
WV Dept. of Environmental Protection
06/07/2013

PLUGGING PROGNOSIS

Well #147
API# 47-039-05547
Cabin Creek District, Kanawha County

Current Status

Elevation: 1472.03'
Total Depth:
Active: No
Plugged: Partial Plugged

Procedure for Plugging

- 1) Notify state inspector, Terry Urban, @ 304-549-5915, before starting.
- 2) Cleanout well to 914'
- 3) Cement will be set to the surface.
- 4) Depending on site conditions, plugging procedures may be modified after approval of the inspector.
- 5) All changes to the plugging procedures will be noted in the plugging affidavit.
- 6) Erect permanent monument with API number.
- 7) Reclaim the site and access road.

Amy Wilkins
5-16-13

Received
MAY 17 2013
Office of Oil and Gas
WV Dept. of Environmental Protection
05/07/2013

3905547P

Rev (5-01)
WR-38
DATE:

API # 47-039-05547-PP

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, 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.

Farm name: Shonk Land Operator Well No.: Pure Oil #147

LOCATION: Elevation: 1472.03' Quadrangle: Sylvester
District: Cabin Creek County: Kanawha
Latitude: 5,758.96 Feet South of 38 Deg. 07 Min. 30 Sec.
Longitude: 1,265.91 Feet West of 81 Deg. 30 Min. 00 Sec.

Well Type: OIL X GAS _____

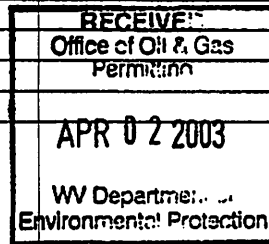
Company: P-G&H, Inc.
430 Harper Park Dr.
Beckley, WV 25801

Coal Operator or Owner _____

Coal Operator or Owner _____

Agent: Chris Cline

Permit Issued Date: 01/16/03



AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Kanawha ss:

Jackie Lester and Chris Hendrick 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 the above named well operator, and participated in the work of plugging and filling the above well, and Carlos Hively Oil and Gas Inspector representing the Secretary, say that said work was commenced on the 19th day of December, 2002, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Drilled Out	Surface	1114'		
Cemented	1114'	914'		
Cemented	914'	864'		
Open Hole For Degasification	864'	SURFACE		
DRILLED WELL	OUT TO 1114'	PUMPED 200'	RFC CEMENT FROM 1114'	TO 914', PUMPED CLASS A
CEMENT	FROM 914'	TO 864'	PLUGGED ACCORDING	TO 101.C REGULATIONS, TO
ALLOW MINE	THROUGH.	PARTIAL	PLUGGED ACCORDING TO	OFFICE OF OIL AND GAS.
WILL BE	PLUGGED TO	SURFACE	APPROX. 6/1/04.	

Description of monument: Erect monument with API# 47-039-????-P and that the work of plugging and filling said well was completed on the 31st day of December, 2002.

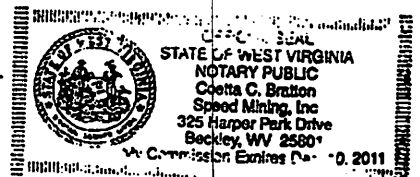
And further deponents saith not.

Jackie Lester
Chris Hendrick

Sworn and subscribe before me this 18th day of March, 2003
My commission expires: 12/10/11

Chetta C. Bratton
Notary Public

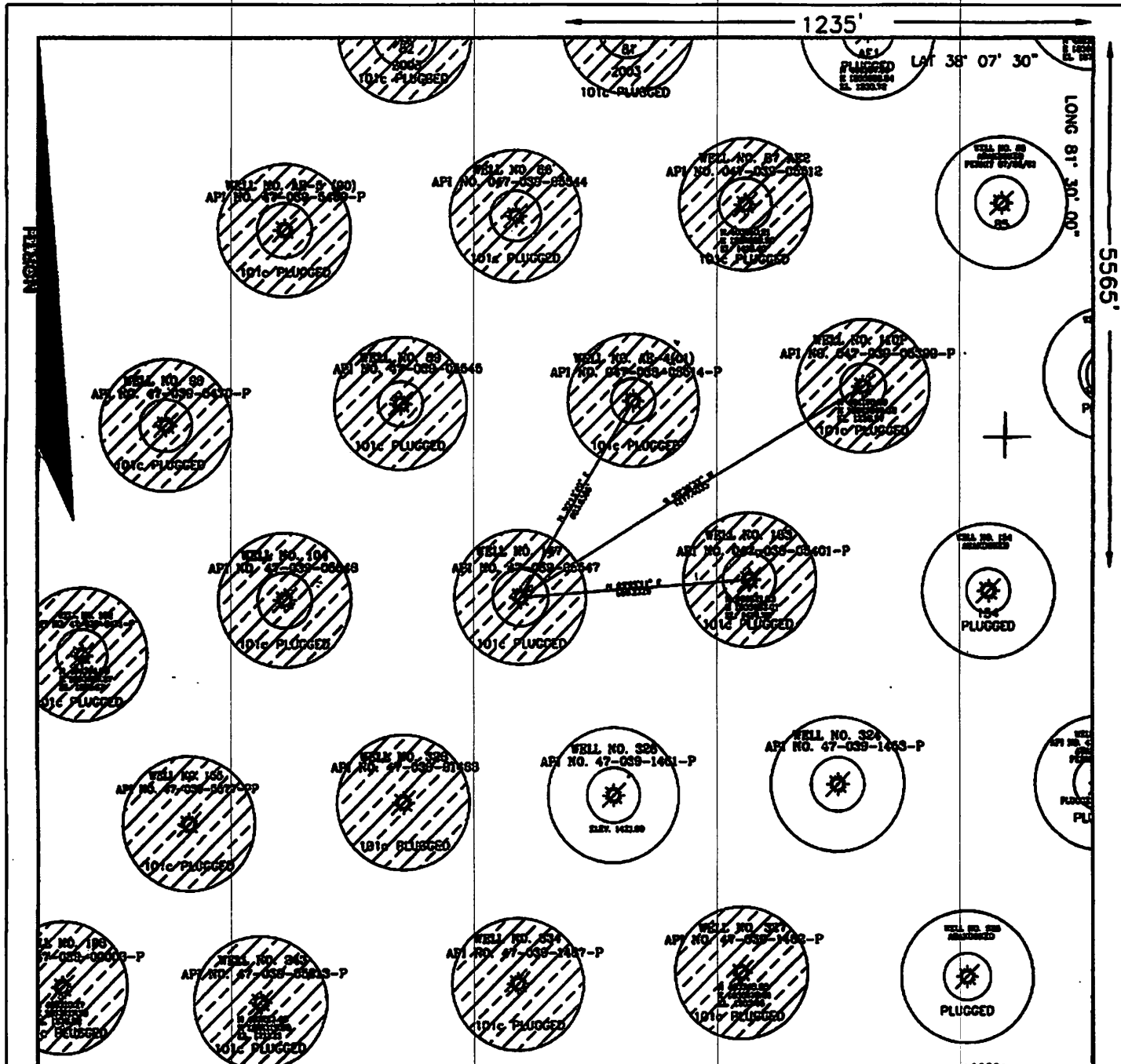
Oil and Gas Inspector: Carlos W. Hively



WJH 4/14/03

KAN 5547 PP

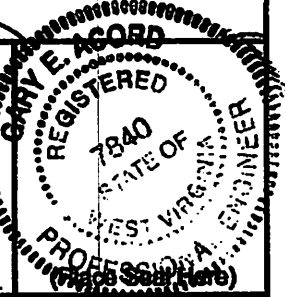
06/07/2013



(*) Denotes location of well on United States Topographic maps

FILE NO.: 47-039-05547
 DRAWING NO.: WELL-147
 SCALE: 1"=400'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: GPS CONTROL

" I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY THE LAWS AND RULES ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION."
 (signed) *Gary E. Acord*
 R.P.E.# 7840 P.L.S.# 487



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

Date: July 15, 2009
 Operator Well No.: 147
 AP Well No. 47 State 039 County 05547-P Permit

WELL TYPE: OIL GAS LIQUID INJECTION
 (IF "GAS") PRODUCTION STORAGE WASTE DISPOSAL
 DEEP SHALLOW

CANCELLED

LOCATION: ELEVATION 1472.03' WATER SHED: Waters of Left Fork Longbottom Creek
 DISTRICT: Cabin Creek COUNTY: Kanawha
 QUADRANGLE: Sylvester

SURFACE OWNER: Shenk Land Company
 OIL & GAS ROYALTY OWNER: Shenk Land Company

ACREAGE: 12.000
 LEASE ACREAGE: 12.000
 LEASE NO: _____

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

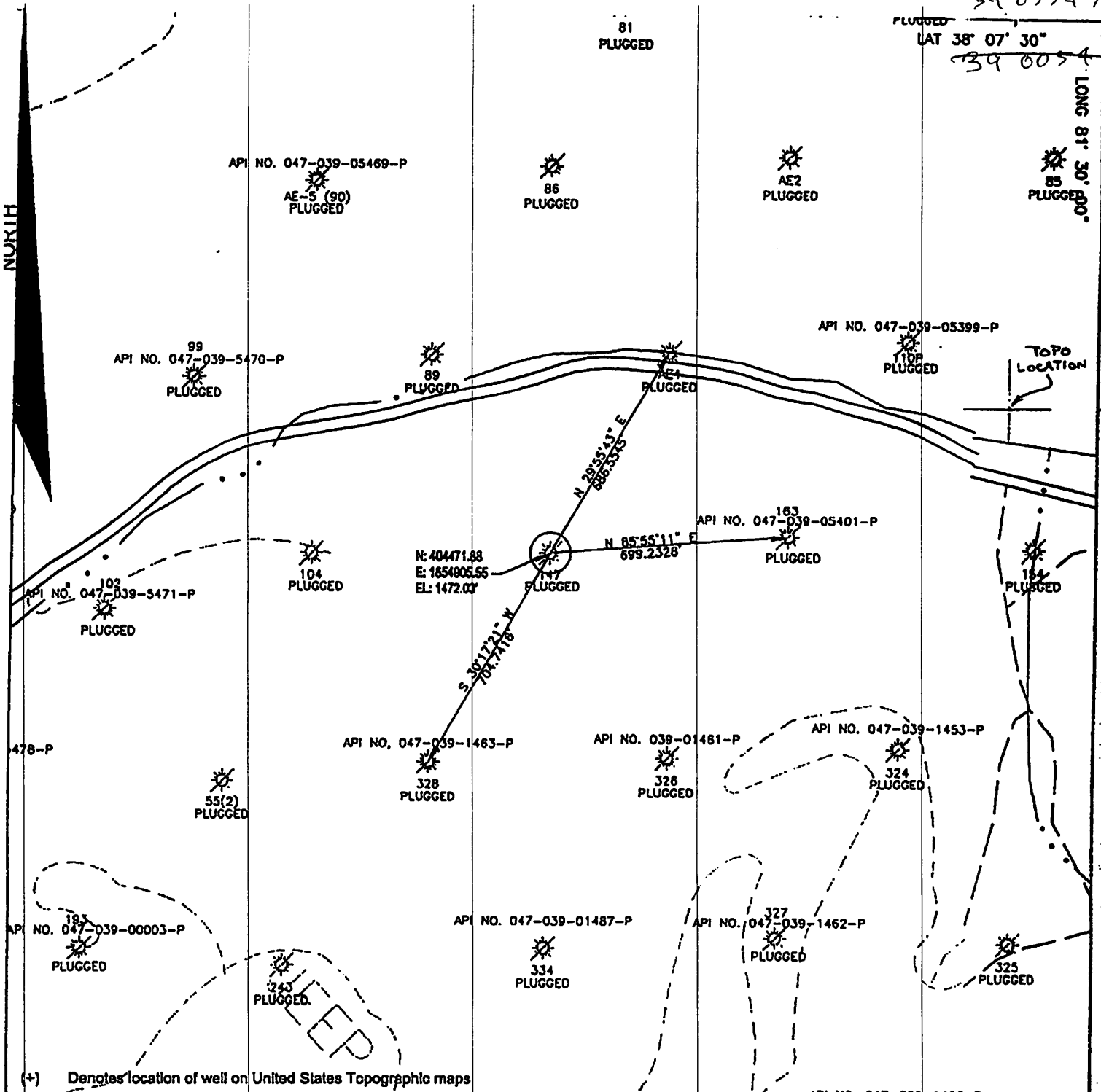
PLUG AND ABANDON CLEANOUT AND REPLUG

TARGET FORMATION: Unknown
 WELL OPERATOR: Panther, LLC
 ADDRESS: 500 Lee St. East Suite 600
Charleston, WV 25301

ESTIMATED DEPTH _____
 DESIGNATED AGENT: Gary Acord
 ADDRESS: 500 Lee St. East Suite 600
Charleston, WV 25301

06/07/2013

47-039-05547



(+) Denotes location of well on United States Topographic maps

FILE NO.: 47-039-7777-P
 DRAWING NO.: WELL-147
 SCALE: 1"=400'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: GPS CONTROL

"I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY THE LAWS AND RULES ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION."
 (signed) [Signature]
 R.P.E.# 12850 P.L.S.# 1669

(Place Seal Here)

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

Date: 10-30, 20 02
 Operator's Well No. 147
 API Well No. 47 039 5547PP
State County Permit

WELL TYPE: OIL X GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1472.03' WATER SHED: Left Fork of Longbottom
 DISTRICT: Cabin Creek COUNTY: Kanawha
 QUADRANGLE: Sylvester

SURFACE OWNER: Shonk Land Company ACREAGE: 12,000
 OIL & GAS ROYALTY OWNER: Shonk Land Company LEASE ACREAGE: 12,000

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEANOUT AND REPLUG X

TARGET FORMATION: Unknown ESTIMATED DEPTH Clean Out to 1114'
 WELL OPERATOR: P-G&H, Inc. DESIGNATED AGENT: Chris Cline
 ADDRESS: 430 Harper Park Dr. ADDRESS: 430 Harper Park Dr.
Beckley, WV 25801 Beckley, WV 25801

KAN 5547 PP 47-039-7777-P

WW-4A

1.) Date: 05/16/2013

Revised 6-07

2.) Operator's Well Number 147

3.) API Well No.: 47-039-05547

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

4) Surface Owner(s) to be served:
(a) Name Shonk Land Company *w*
Address P.O. Box 969
Charleston, WV 25324

(b) Name _____
Address _____

(c) Name _____
Address _____

6) Inspector Terry Urban
Address P.O. Box 1207
Clendenin, WV 25045
Telephone 304-549-5915

5) (a) Coal Operator
Name Speed Mining, LLC *w*
Address P.O. Box 99
Dawes, WV. 25054

(b) Coal Owner(s) with Declaration
Name Shonk Land Company *w*
Address P.O. Box 969
Charleston, WV 25324

Name _____
Address _____

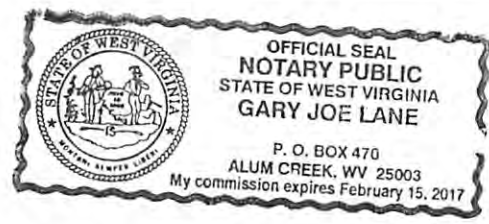
(c) Coal Lessee with Declaration
Name Panther, LLC
Address 500 Lee Street, East Suite 900
Charleston, WV 25301

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 *[Signature]*
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
Gary Joe Lane
My Commission Expires February 15, 2017

Received
MAY 17 2013
Office of Oil and Gas
West Virginia Department of Environmental Protection

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 depr@dep.gov 06/07/2013

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

SPEED MINING LLC

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 X / owner _____ / 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: 5-16-13

Gary E. Acord
By: GARY E. ACORD
Its ENGINEER

Received
MAY 17 2013
Office of Oil and Gas
WV Dept. of Environmental Protection
06/07/2013

**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.

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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 _____ / lessee X / 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: 5-16-

PANTHER LLC
By: GARY E. ACORD
Its ENGINEER/AGENT
Gary E. Acord

Received
MAY 17 2013
Office of Oil and Gas
WV Dept. of Environmental Protection
06/07/2013

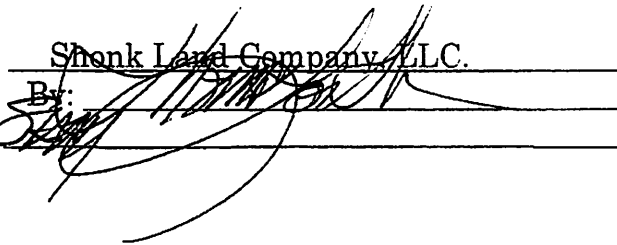
INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW-4A. You are hereby notified that any objection you wish to make must be filed with the Chief of the Office of Oil and Gas within five (5) days after the receipt of this application by the Office.

WAIVER

The undersigned coal operator ___/ owner X / 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: 11/13/02

Shonk Land Company, LLC.
By: 
Its _____

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

06/07/2013

SURFACE OWNER WAIVER

39 05547P

Operator's Well
Number

147

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Division of Environmental Protection
1356 Hansford Street
Charleston, WV 25301
(304) 558-6342

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY AN ORGANIZATION OR CORPORATION.

Signature _____ Date _____ Name Shonk Land Company, LLC
By Its _____

Date _____
Signature _____ 06/07/2013

Received
MAY 17 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

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) Left Fork Long Bottom Creek Quadrangle Sylvester ⁶³⁰

Elevation 1472.03' County Kanawha ³⁹ District Cabin Creek ⁰⁷

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 ¹⁴ ⁵⁻¹⁶ ¹⁰

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

Proposed Disposal Method For Treated Pit Wastes:

- X 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 _____

Company Official (Typed Name) Gary Acord

Company Official Title Agent

Subscribed and sworn before me this 16th day of May, 20 13

Gary Joe Lane Notary Public

My commission expires February 15, 2017

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



06/07/2013

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.

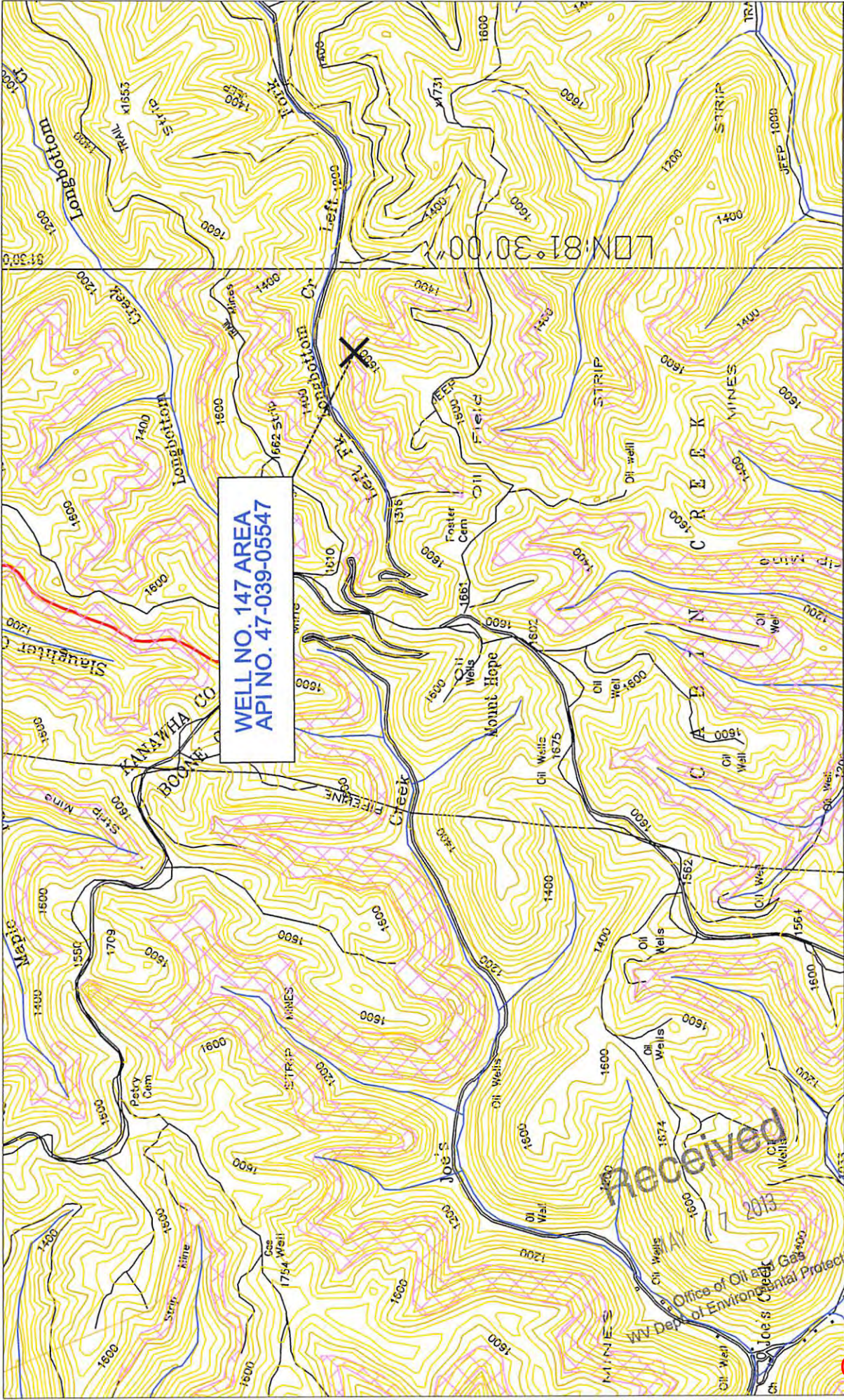
Plan Approved by: _____

Comments: _____

Title: *Amy White* Date: 5-16-13
Field Reviewed? Yes No

Received
MAY 17 2013
Office of Oil and Gas
WV Dept. of Environmental Protection
06/07/2013

3905547 P



WELL NO. 147 AREA
 API NO. 47-039-05547

SLYVESTER QUADRANGLE
 WEST VIRGINIA - KANAWHA CO.
 7.5 MINUTE SERIES (TOPOGRAPHIC)
 NE/4 PEYTONA 15 MINUTE QUADRANGLE

PANTHER, LLC.
 AMERICAN EAGLE MINE
 Well No. 147
 Scale: 1" = 2000'

06/07/2013

Received
 JUN 17 2013

U.S. Office of Oil and Gas
 WV Dept. of Environmental Protection

39 05547 A

WW-7
8-30-06



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

API: 47-039-05547 WELL NO.: 147
FARM NAME: Shonk Land Company
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: 4217902.834
UTM GPS EASTING: 455789.209 GPS ELEVATION: 1472.03 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

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.

Office of Oil and Gas
Department of Environmental Protection

Gary E. Acord
Signature

Supervising Engineer
Title

5-16-13
Date

06/07/2013