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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

March 08, 2016

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-3901942, issued to BLUE CREEK GAS COMPANY, 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: 4-A   
Farm Name: BLUE CREEK GAS CO.  
**API Well Number: 47-3901942**  
**Permit Type: Plugging**  
Date Issued: 03/08/2016

**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.
4. Operator shall plug this well 47-039-1942 according to the modified manner shown on Exhibit A attached. Modification was submitted by Blue Eagle Land and Blue Creek Gas agreed to plug in this manner.

Operator: BLUE CREEK GAS COMPANY  
API: 3901942  
WELL No: 4-A  
Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_  
15 Day End of Comment: 3/4/16

## CHECKLIST FOR FILING A PERMIT

### Plugging

- WW-4B
- Inspector signature on WW-4B *(Coal Co. Mod. Request)*
- Completion / Well Records of Previous Work
- WW-4A (Notarized)
- Certified Mail Receipts, Waivers, or Affidavits of Personal Service
- Surface Owner Waiver
- Coal Owner / Lessee / Operator Waiver
- WW-9 (Page 1) (Notarized)
- Inspector Signature on WW-9 (Optional)
- Topographic Map of location of well
- WW-7

### OR

- Mylar Plat (Surface owner on plat matches WW-4A)
- Bond *\*50K*
- Company is Registered with the SOS
- Worker's Compensation / Unemployment Insurance account is OK
- ~~\$100.00 check~~ (\$0.00 if no pit)

1) Date: 4-24-2016  
2) Operator's Well Number 4-A  
3) API Well No.: 47 - 39 - 1942-P

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

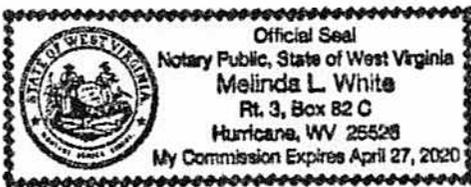
|                                      |                                    |
|--------------------------------------|------------------------------------|
| 4) Surface Owner(s) to be served:    | 5) (a) Coal Operator               |
| (a) Name <u>Blue Eagle Land</u>      | Name _____                         |
| Address <u>13 Kan. Blvd. W.</u>      | Address _____                      |
| <u>Suite 200</u>                     |                                    |
| (b) Name <u>Charleston, WV 25302</u> | (b) Coal Owner(s) with Declaration |
| Address _____                        | Name _____                         |
|                                      | Address _____                      |
| (c) Name _____                       | Name _____                         |
| Address _____                        | Address _____                      |
| 6) Inspector <u>Terry Urban</u>      | (c) Coal Lessee with Declaration   |
| Address <u>P.O. Box 1207</u>         | Name _____                         |
| <u>Clendenin, WV 25045</u>           | Address _____                      |
| Telephone <u>304-290-6782</u>        |                                    |

**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 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 Blue Creek Gas  
 By: [Signature]  
 Title: President  
 Address 1700 Pennsylvania Ave.  
Charleston, WV  
 Telephone 304-342-0141

Subscribed and sworn before me this 25th day of February 2016  
Melinda L. White  
 My Commission Expires April 27, 2020  
 Notary Public

Received  
 FEB 29 2016

**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 [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

39-1942 P

7015 1660 0000 5962 4565

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
*Domestic Mail Only*

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**CHARLESTON, WV 25302**

**OFFICIAL USE**

|  |               |
|--|---------------|
| Certified Mail Fee   | \$3.45        |
| Extra Services & Fees (check box, add fee as appropriate)    | \$2.80        |
| <input type="checkbox"/> Return Receipt (hardcopy)           | \$0.00        |
| <input type="checkbox"/> Return Receipt (electronic)         | \$0.00        |
| <input type="checkbox"/> Certified Mail Restricted Delivery  | \$0.00        |
| <input type="checkbox"/> Adult Signature Required            | \$0.00        |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$0.00        |
| Postage  | \$0.49        |
| <b>Total Postage and Fees</b>                                | <b>\$5.74</b> |

Postmark Here: CHARLESTON, WV 25302 0732 12

02/29/2016

Sent to: *Live Edge Home*

Street and Apt. No., or PO Box No.: *13 Hampshire Pike, Suite 200*

City, State, ZIP+4®: *Charleston, WV 25302*

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



Received

FEB 29 2016

Office of Oil and Gas  
WV Dept. of Environmental Protection

1) Date 2-24-2016 20  
2) Operator's Well No. 4-A  
3) API Well No. 47-39-1942-P

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  or Underground storage  ) Deep  / Shallow

5) Location: Elevation 1117 Watershed \_\_\_\_\_  
District Elk 04 County Kanwha 3A Quadrangle Clendenin

6) Well Operator Blue Creek Gas 7) Designated Agent Steve Rubin  
Address 1700 Pennsuville Ave. Address 1700 Pennsuville  
Charleston, WV. Charleston, WV.

8) Oil and Gas Inspector to be notified Name Terry Urban  
Address P.O. Box 1207  
Clendenin, WV  
9) Plugging Contractor Name Duckworth Well Service  
Address P.O. Box 6872  
Charleston, WV

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

- Cement 1950' - 1850'
- Cement 1777' - 1600'
- Cement 1150' - 1050'
- Cement 100' - 0'

*Cement 940'-921' All plugs were change  
Cement 551'-522' ON previous permit by  
per Exhibit A From Blue Bag Land, LLC Coal Co.  
JW*

Gel between all plugs.  
Pull all free pipe  
Erect monument with API numbers

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

Work order approved by inspector [Signature]

Received J. 29-16  
Date FEB 29 2016

**EXHIBIT A**  
**(Modified Plugging Procedure)**

| <b><u>Proposed Work Order for the Manner of<br/>Plugging API # 47-39-1942</u></b> | <b><u>Modified Work Order for the Manner of<br/>Plugging API # 47-39-1942</u></b> |
|---|---|
| Cement 1950' - 1850'  | Cement 1950' - 1850'  |
| Cement 1777' - 1600'  | Cement 1777' - 1600'  |
| Cement 1150' - 1050'  | Cement 1150' - 1050'  |
| Cement 100' - 0'  | Cement 940' - 921'  |
| Gel Between all Plugs   | Cement 551' - 562'  |
| Pull all free Pipe  | Cement 100' - 0'  |
| Erect Monument wit API numbers  | Gel Between all Plugs   |
|   | Pull all free Pipe  |
|   | Erect Monument wit API numbers  |
|   |   |

**RECEIVED**  
 Office of Oil and Gas  
 MAR 08 2016  
 WV Department of  
 Environmental Protection



Chase Tower, Eighth Floor  
P.O. Box 1588  
Charleston, WV 25326-1588  
(304) 353-8000 (304) 353-8180 Fax  
www.stepToe-johnson.com

Writer's Contact Information  
Joseph G. Bunn, Esq.  
(304) 353-8106 (O)  
(304) 549-9090 (M)  
joseph.bunn@stepToe-johnson.com

March 8, 2016

VIA UNITED STATES MAIL

Mr. Steve Rubin  
Blue Creek Gas Co.  
1700 Pennsylvania Avenue  
Charleston, West Virginia 25302-3934  
304-342-0141 Telephone

RECEIVED  
Office of Oil and Gas  
MAR 08 2016  
WV Department of  
Environmental Protection

Re: Request for Modification of Plugging Procedure for API #47-39-1942-P (the "Gas Well")

Dear Steve:

The agent for service of process of Blue Eagle Land, LLC ("BEL") received the Notice of Application to Plug and Abandon a Well (the "Notice") from Blue Creek Gas Co. ("BCG") dated April 24, 2016. Since that time, representatives of BEL have evaluated the impact that BCG's planned plugging procedure will cause to BEL's coal.

Based upon our several discussions, BEL verified that the Gas Well is an older gas well and, as such, do not utilize coal protection casings. Moreover, based upon BEL's geologic information, there are workable coal beds that the Gas Well penetrates. Thus, the applicable statute governing the plugging procedure for the Gas Well is either W. Va. Code § 22-6-24(c) or W. Va. Code § 22-6-24(d). W. Va. Code § 22-6-24(d) is a statute that applies to the plugging procedure in the event that coal owner desires for it to apply. BEL is not interested in the protections provided by W. Va. Code § 22-6-24(d). Thus, W. Va. Code § 22-6-24(c) applies in this case.

W. Va. Code § 22-6-24(c) provides generally that a concrete plug will be installed from 40 feet below the lowest workable seam to 20 feet above the lowest workable seam. Thereafter, a concrete plug will be installed from 40 feet below each workable seam to 20 feet above each workable seam. Finally, a concrete plug will be installed from 50 feet below the surface to 30 inches above the surface with a monument erected at that point. The voids in between each concrete plug shall be filled with mud, clay or other nonporous material.

Request for Modification of Plugging Procedure  
(API #47-39-1942-P)  
March 8, 2016  
Page 2

Based upon the requirements of W. Va. Code § 22-6-24(c), BEL proposes that BCG modify its plugging procedure in accordance with Exhibit A. BEL would also like the opportunity to be present during the plugging procedure if it so chooses. Thus, please reply and indicate the respective dates on which BCG will begin plugging the Gas Well. If you have any questions, please feel free to contact me.

Thank you for your prompt attention on this matter.

Very truly yours,



Joseph G. Bunn, Esq.

JGB/mgb

cc: Gene C. Smith  
West Virginia Dept. of Environmental Protection  
Office of Oil & Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304-2345  
[gene.c.smith@wv.gov](mailto:gene.c.smith@wv.gov)  
(via electronic mail)

Dave Hancock  
P. O. Box 79  
Alum Creek, WV 25003  
(via United States mail)

Duckworth Well Service  
P. O. Box 6871  
Charleston, WV 25362  
(via United States mail)

**RECEIVED**  
**Office of Oil and Gas**

**MAR 08 2016**

**WV Department of  
Environmental Protection**



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 6

Quadrangle Clendenin, S. W.

WELL RECORD

Permit No. KAN - 1942

Oil or Gas Well GAS  
(RIND)

Company Blue Creek Gas Company  
Address P. O. Box 6357, Charleston, W. Va.  
Farm Blue Creek Coal & Land Co. Acres 2,329

Location (waters)  
Well No. 4-A Elev. 1117.9  
District Elk County Kanawha

The surface of tract is owned in fee by Union Carbide Corp.  
Address So. Charleston, W. Va.

Mineral rights are owned by SAMO  
Address \_\_\_\_\_

Drilling commenced April 9, 1963  
Drilling completed May 6, 1963

Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_

Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch

Volume \_\_\_\_\_ Cu. Ft.

Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.

WELL ACIDIZED \_\_\_\_\_

WELL FRACTURED June 21/63 by Dowell

RESULT AFTER TREATMENT 1,000 MCF

ROCK PRESSURE AFTER TREATMENT 455# - 24 hrs.

Fresh Water \_\_\_\_\_ Feet Salt Water \_\_\_\_\_ Feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers              |
|-------------------|------------------|--------------|----------------------|
| Size              |                  |              | Kind of Packer _____ |
| 10                |                  |              |                      |
| 13                |                  |              |                      |
| 10                | <u>440</u>       | <u>440</u>   | Size of _____        |
| 8 1/2             | <u>1652</u>      | <u>-</u>     |                      |
| 6 3/4             |                  |              | Depth set _____      |
| 5 3/16            | <u>1965</u>      | <u>1965</u>  |                      |
| 3                 |                  |              | Perf. top _____      |
| 2                 |                  |              | Perf. bottom _____   |
| Liners Used _____ |                  |              | Perf. top _____      |
|                   |                  |              | Perf. bottom _____   |

CASING CEMENTED 4 1/2 SIZE 7.765 No. Ft. Jun 11/63 ate

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

| Formation      | Color | Hard or Soft | Top  | Bottom | Oil, Gas or Water | Depth        | Remarks |
|----------------|-------|--------------|------|--------|-------------------|--------------|---------|
| Surface        |       |              | 0    | 20     |                   |              |         |
| Sand           |       |              | 20   | 55     |                   |              |         |
| Slate          |       |              | 55   | 61     |                   |              |         |
| Sand           |       |              | 61   | 85     |                   |              |         |
| Slate          |       |              | 85   | 120    |                   |              |         |
| Sand           |       |              | 120  | 145    |                   |              |         |
| Slate          |       |              | 145  | 168    |                   |              |         |
| Coal           |       |              | 168  | 170    |                   |              |         |
| Sh te          |       |              | 170  | 185    |                   |              |         |
| Sand           |       |              | 185  | 215    |                   |              |         |
| Slate          |       |              | 215  | 235    |                   |              |         |
| Sand           |       |              | 235  | 313    |                   |              |         |
| Slate          |       |              | 313  | 570    | Water             | 406 to 414   |         |
| Sand           |       |              | 570  | 642    |                   |              |         |
| Lime           |       |              | 642  | 678    |                   |              |         |
| Slate & Shells |       |              | 678  | 763    |                   |              |         |
| Sand           |       |              | 763  | 918    |                   |              |         |
| Slate & Shells |       |              | 918  | 963    |                   |              |         |
| Salt Sand      |       |              | 963  | 1165   | Water             | 1030 to 1055 |         |
| Lime           |       |              | 1165 | 1187   |                   |              |         |
| Sand           |       |              | 1187 | 1350   |                   |              |         |
| Slate & Shells |       |              | 1350 | 1368   |                   |              |         |
| Red Rock       |       |              | 1368 | 1376   |                   |              |         |
| Slate & Shells |       |              | 1376 | 1390   |                   |              |         |
| Red Rock       |       |              | 1390 | 1463   |                   |              |         |
| Slate          |       |              | 1463 | 1486   |                   |              |         |
| Lime           |       |              | 1486 | 1525   |                   |              |         |
| Haxon          |       |              | 1525 | 1558   |                   |              |         |
| Slate          |       |              | 1558 | 1571   |                   |              |         |



| Formation      | Color | Hard or Soft | Top  | Bottom | Oil, Gas or Water | Depth Found  | Remarks |
|----------------|-------|--------------|------|--------|-------------------|--------------|---------|
| Little Lime    |       |              | 1571 | 1612   |                   |              |         |
| Slate          |       |              | 1612 | 1615   |                   |              |         |
| Lime           |       |              | 1615 | 1635   |                   |              |         |
| Slate          |       |              | 1635 | 1648   |                   |              |         |
| Big Lime       |       |              | 1648 | 1805   | Gas               | 1746 to 1756 |         |
| Gray Sand      |       |              | 1805 | 1816   |                   |              |         |
| Injun          | Red   |              | 1816 | 1844   |                   |              |         |
| Slate & Shells |       |              | 1844 | 1884   |                   |              |         |
| Weir Sand      |       |              | 1884 | 1918   |                   |              |         |
| Slate          |       |              | 1918 | 1965   |                   |              |         |
| Slate-Lime     |       |              | 1965 | 1985   |                   |              |         |
| Slate          |       |              | 1985 | 2005   |                   |              |         |
| TOTAL DEPTH    |       |              |      | 2005   |                   |              |         |

Date June 29, 19 63

APPROVED Blue Creek Gas Company, Owner

By [Signature]  
Vice-President (Title)

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 Steve Rubin / Blue Creek Gas Company OP Code \_\_\_\_\_

Watershed \_\_\_\_\_ Quadrangle Clendenin

Elevation 1117' County Kanawha District ELK

Description of anticipated Pit Waste: \_\_\_\_\_

Will a synthetic liner be used in the pit? \_\_\_\_\_

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 \_\_\_\_\_)

**NO PIT**

Proposed Work For Which Pit Will Be Used:

- \_\_\_\_\_ Drilling
- \_\_\_\_\_ Workover
- \_\_\_\_\_ Other (Explain \_\_\_\_\_)
- \_\_\_\_\_ Swabbing
- \_\_\_\_\_ Plugging

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 Steve Rubin

Company Official (Typed Name) Steve Rubin

Company Official Title President

Subscribed and sworn before me this 25th day of February, 2016

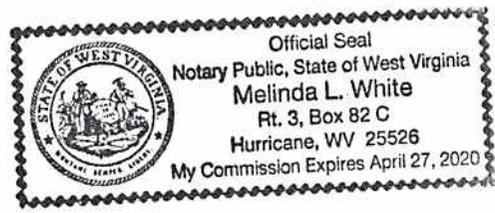
Melinda L. White Notary Public

**Received**

FEB 29 2016

My commission expires April 27, 2020

Office of Oil and Gas  
WV Dept. of Environmental Protection



*[Handwritten signature]*

Proposed Revegetation Treatment: Acres Disturbed 1/2 Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH \_\_\_\_\_

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre

Seed Mixtures

| Seed Type      | Area I<br>lbs/acre | Seed Type | Area II<br>lbs/acre |
|----------------|--------------------|-----------|---------------------|
| Contractor Mix |                    |           |                     |
|                |                    |           |                     |
|                |                    |           |                     |

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: Field Trip Oil Gas

Date: 2-29-16

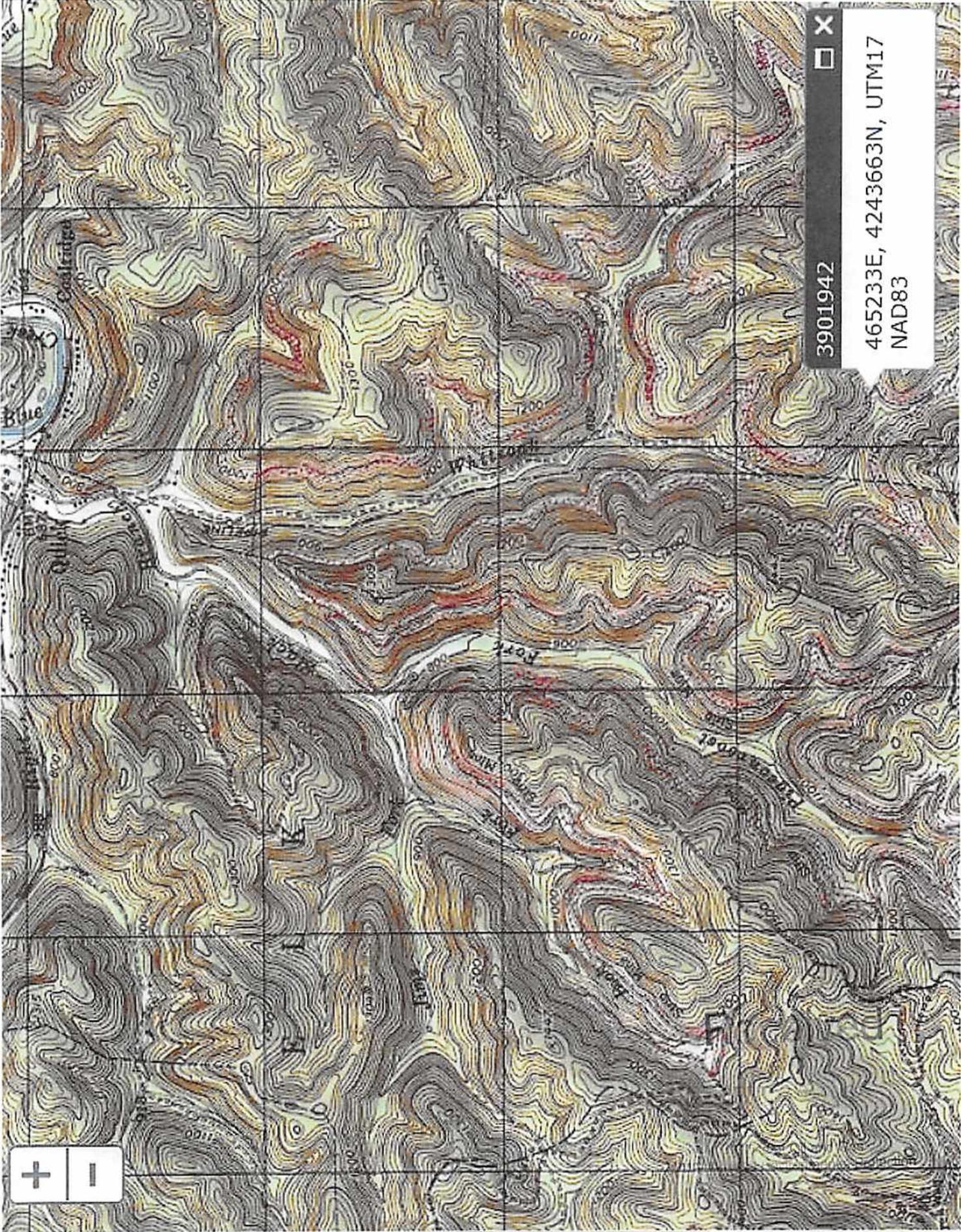
Field Reviewed?  Yes  No

Received

FEB 29 2016

Office of Oil and Gas  
WV Dept. of Environmental Protection

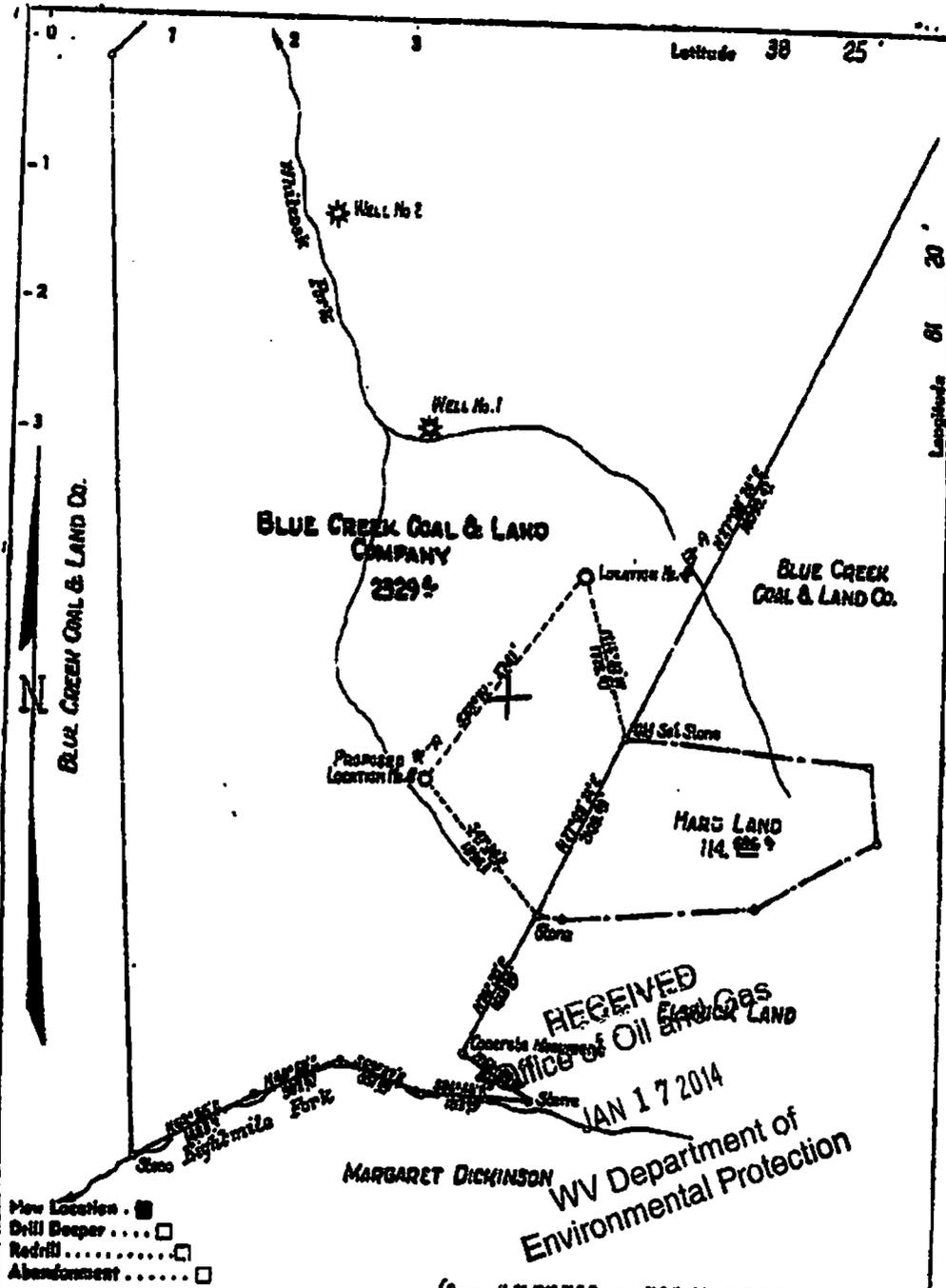
39-01942



+ -

3901942

465233E, 4243663N, UTM17  
NAD83



(Cover Sheet) (See also 2329, 2329, 2329, 2329)

Company BLUE CREEK GAS COMPANY  
 Address 1705 PENNA. AVE. CHARLESTON, W. VA.  
 Firm BLUE CREEK COAL & LAND CO.  
 Tract... Acres 2329 Lease No. \_\_\_\_\_  
 Well (Form) No. 5-4-A Serial No. \_\_\_\_\_  
 Elevation (feet) 1173 VA. \_\_\_\_\_  
 Quadrangle GLENDENIN G. W. C.  
 County HANAWHA District ELK  
 Engineer [Signature]  
 Engineer's Registration No. 2329  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date DEC. 12, 1962 Scale 1" = 1320'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**  
 FILE NO. 1173-2

★ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 — Denotes one inch spaces on border line of original tracing.

Received

FEB 29 2016

WW-7  
8-30-06



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

API: 47-39-01942 WELL NO.: 4 A

FARM NAME: Blue Creek Land and Coal Co.

RESPONSIBLE PARTY NAME: Steve Rubin Blue Creek Gas Company

COUNTY: Kanawha DISTRICT: Elk

QUADRANGLE: Clerden

SURFACE OWNER: Union Carbide Co.

ROYALTY OWNER: Union Carbide Co.

UTM GPS NORTHING: 4243663

UTM GPS EASTING: 465233 GPS ELEVATION: 1080

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 \_\_\_\_: Post Processed Differential \_\_\_\_

Real-Time Differential \_\_\_\_

Mapping Grade GPS \_\_\_\_: Post Processed Differential \_\_\_\_

Real-Time Differential \_\_\_\_

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.

Steve Rubin  
Signature

Contractor  
Title

RECEIVED  
FEB 29 2016  
Date 2-26-16  
Office of Oil and Gas  
WV Dept. of Environmental Protection