



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

January 24, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-3901935, 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.

A blue ink signature of James Martin, Chief, is written over the text.

James Martin
Chief

Operator's Well No: 3-A
Farm Name: BLUE CREEK GAS CO.
API Well Number: 47-3901935
Permit Type: Plugging
Date Issued: 01/24/2014

Promoting a healthy environment.

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 X / Liquid injection _____ / Waste disposal _____ /
(If "Gas, Production _____ or Underground storage _____) Deep _____ / Shallow _____

5) Location: Elevation 1043 Watershed WhiteOak Fork
District Elk County Kanawha Quadrangle _____

6) Well Operator Blue Creek Gas 7) Designated Agent Steve Rubin
Address P.O.Box 6357 Address P.O.Box 6357
Charleston, WV. 25301 Charleston, WV. 25301

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Terry Urban Name Duckworth Well Service
Address P.O.Box 1207 Address P.O.Box 6871
Clendenin, WV 25045 Charleston, WV 25362

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

Cement 1925' - 1725'
Cement 1530' - 1430'
Cement 900' - 800'
Cement 475' - 375'
Cement 100' - 0'

*Will Remove all
Free Pipe*

Erect monument with API numbers.
Gel between all plugs.



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

Work order approved by inspector _____

Date 12-10-12

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 17

Quadrangle Glendenin S.W.

Permit No. KAN-1935

WELL RECORD

Oil or Gas Well Gas

Company Blue Creek Gas Company
Address P. O. Box 6357, Charleston, W. Va.
Farm Blue Creek Coal & Land Co. Acres 2.329
Location (waters) Whiteoak Fork
Well No. 3-A Elev. 1043.16
District Elk County Kanawha
The surface of tract is owned in fee by Union Carbide Chemical Co. Address So. Charleston, W. Va.
Mineral rights are owned by sams

Drilling commenced January 23, 1963
Drilling completed February 28, 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 March 13, 1963 by Dowell

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10			Size of
8 1/2" 8"	425	425	
6 1/2" 7"	1480	-	Depth set
5 3/16" 4 1/2"	1926	1926	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 4 1/2" SIZE 1900 No. 3/6/63 Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT 3,000 MCF
ROCK PRESSURE AFTER TREATMENT 495# 36 hrs.
Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	34			
Sand			34	95			
Slate & Shells			95	184			
Coal			184	188			
Slate & Shells			188	247	Water	243	
Sand			247	268			
Slate & Shells			268	368	Water	367	
Coal			368	371			
Slate & Shells			371	398			
Coal			398	400			
Slate & Shells			400	550			
Sand			550	568			
Slate & Shells			568	615			
Sand			615	640			
Slate & Shells			640	735			
Sand			735	900	Gas	750	
Slate			900	922			
Salt Sand			922	1152	Water	1005-1050	
Slate			1152	1170			

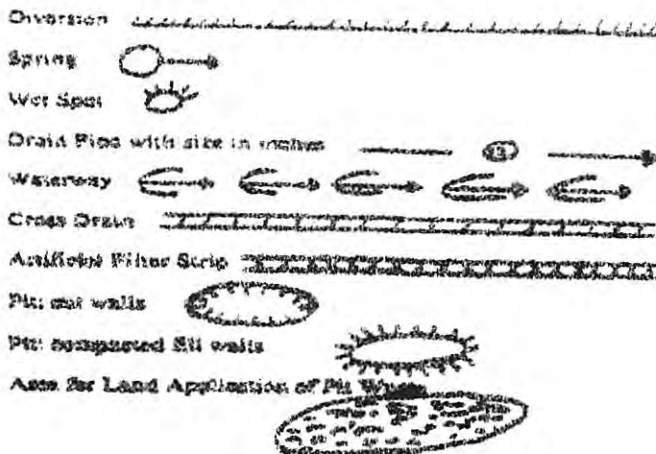
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Play
Play

Formation	Color	Hard or Soft	Top 17	Bottom	Oil, Gas or Water	Depth Found	Remarks
Little Lime			1565	1598			} plus
Slate			1598	1601			
Lime			1601	1634			
Pencil Slate			1634	1639			
Big Lime			1639	1772	Gas	1762-1767	
Injun Sand			1772	1797	Gas	1772-1782	
Red Slate			1797	1815			
Slate			1815	1820			
Lime			1820	1858			
Weir Sand			1858	1898	Gas	1858-1871	
Slate & Shells			1898	1954			
Sand			1954	1983			
Lime			1983	1993			
Total Depth				1993			

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LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1 Revegetation pH _____

Line 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	lbs/acre	Seed Type	Area II	lbs/acre
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~~Contractors Use~~

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: _____

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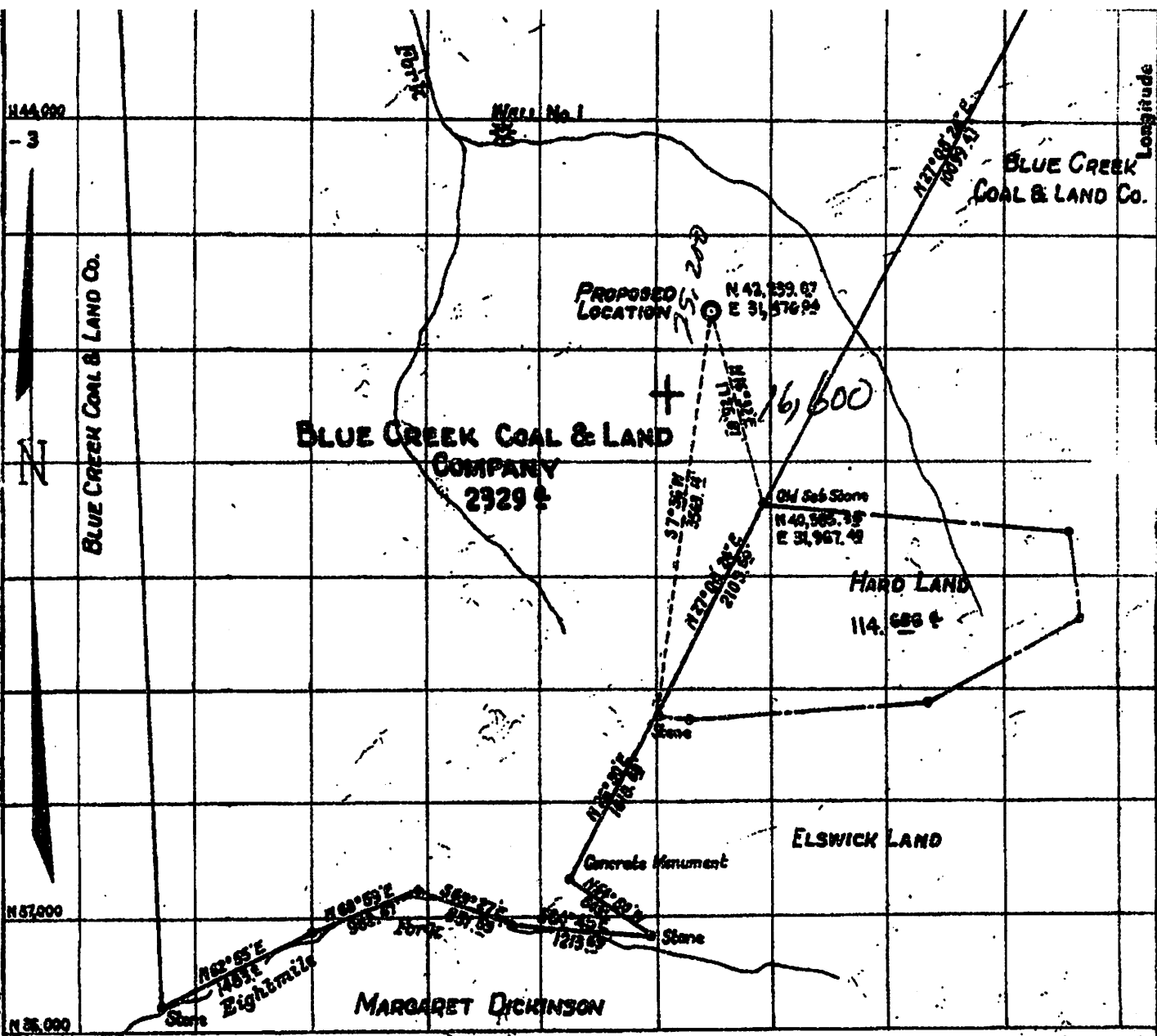
Title: Inspector Del 468

Date: 1-10-14

JAN 17 2014

Field Reviewed? Yes No

WV Department of
Environmental Protection



New Location .
 Drill Deeper
 Redrill
 Abandonment

E 20,000 00000 00000 00000 00000 00000 00000 00000

(Survey of 2-23-1962 - W.S. Galloway - N.E. No. 62A Pg. 30-33)

Company BLUE CREEK GAS COMPANY
 Address 1706 PENNA. AVE. CHARLESTON, W. VA.
 Farm BLUE CREEK COAL & LAND CO.
 Tract _____ Acres 2329 Lease No. _____
 Well (Farm) No. 3-A Serial No. _____
 Elevation (Spirit Level) 1043.15 V.A. _____
 Quadrange GLENDENIN S.W.
 County KANAWHA District ELK
 Engineer [Signature]
 Engineer's Registration No. 2024
 File No. _____ Drawing No. _____
 Date Nov. 28, 1962 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. KAN-1935

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+ 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.

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API Number 47 - 39 - ~~889~~
Operator's Well No. 1

1935

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 Blue Creek Gas OP Code _____

Watershed White Oak Fork Quadrangle _____

Elevation 1043' County Kanawha District Elk

Description of anticipated Pit Waste: _____

Will a synthetic liner be used in the pit? _____

No 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 _____)

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

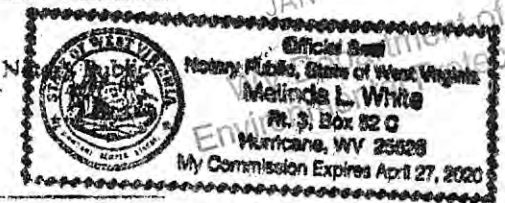
Subscribed and sworn before me this 9th day of January, 2014

Melinda L. White

My commission expires April 27, 2020

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JAN 17 2014



1) Date: 12/9/2013
 2) Operator's Well Number 3-A
 3) API Well No.: 47 . 39 . 1935

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

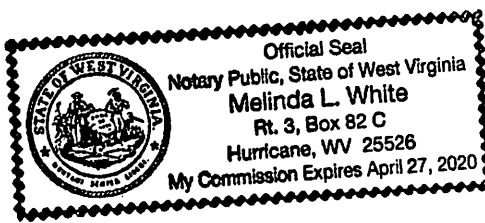
4) Surface Owner(s) to be served.	5) (a) Coal Operator
(a) Name <u>Blue Eagle Land</u>	Name _____
Address <u>13 Kan. Blvd. W.</u>	Address _____
<u>Suite 200</u>	
(b) Name <u>Charleston, WV. 25302</u>	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
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 _____	

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

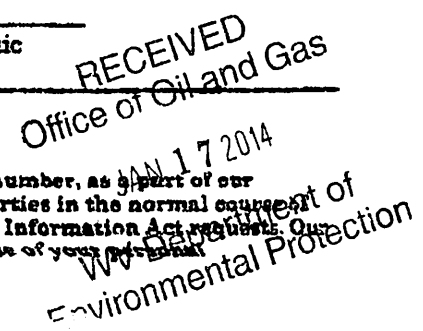


Well Operator Blue Creek Gas
 By: Steve Rubin
 Title: President
 Address: P.O. Box 6357
Charleston, WV.
 Telephone: 304-342-0142

Subscribed and sworn before me this 9th day of January 2014
Melinda L. White Notary Public
 My Commission Expires April 27, 2020

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.



39- 01935



3901935

465690E, 4244321N, UTM17
NAD83



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

API: 47-3901935 WELL NO.: 3-A
FARM NAME: Blue Creek Coal + Coke
RESPONSIBLE PARTY NAME: Steve Rubin
COUNTY: Kanawha DISTRICT: E1K
QUADRANGLE: Blue Creek Coal + hand Co.
SURFACE OWNER: Blue Eagle hand
ROYALTY OWNER: Blue Eagle hand
UTM GPS NORTHING: ~~173~~ 0465690
UTM GPS EASTING: 4244321 GPS ELEVATION: 1294

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 Handworth
Signature

contractor
Title

1-13-14
Date

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