



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

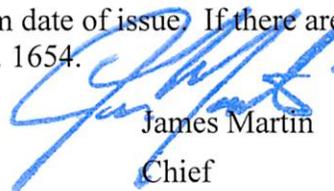
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-3901942, 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: 01/24/2014

Promoting a healthy environment.

1) Date: 12/9/2013
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. Suite 200</u>	Address _____
(b) Name <u>Charleston, WV. 25302</u>	(b) Coal Owner(s) with Declaration
Address _____	Name _____
(c) Name _____	Address _____
Address _____	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>	Address _____

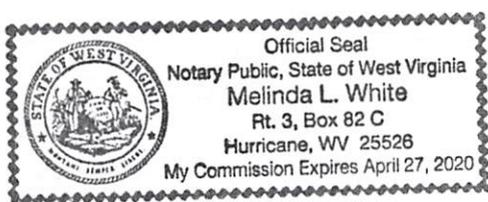
TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (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 totake 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 as 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

RECEIVED
JAN 17 2014
WV Department of Environmental Protection



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 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.

80-30



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

County Clarendon, S. W.

WELL RECORD

Permit No. KAW - 1043

Oil or Gas Well GAS

Company Blue Creek Gas Company
Address P. O. Box 6957, Charleston, W. Va.
Farm Blue Creek Coal & Land Co. Acres 2.329

Location (waters)
Well No. 4-A Elev. 1117.9
District 21k County Kanawha

The surface of tract is owned in fee by Union Carbide Corp.
Address 50, Charleston, W. Va.

Mineral rights are owned by same
Address _____

Drilling commenced April 8, 1963

Drilling completed May 6, 1963

Date Shut From _____ To _____

With _____

Open Flow /10ths Water in _____ Inch

/10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock Pressure _____ lbs. _____ hrs.

Oil _____ bbls. per 24 hrs.

WELL ACIDIZED _____

WELL FRACTURED June 21/63 by Dowell

RESULT AFTER TREATMENT 1,000 MW

ROCK PRESSURE AFTER TREATMENT 1557 = 24 hrs.

Fresh Water _____ Feet Salt Water _____ Feet

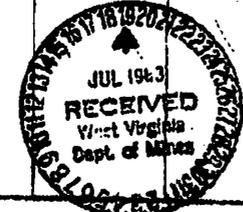
Casing and Tubing	Used in Drilling	Left in Well	Remarks
Size			Kind of Packers
14			
12			
10	<u>110</u>	<u>110</u>	Size of _____
8 1/2	<u>165</u>	<u>165</u>	Depth set
8 1/2	<u>165</u>	<u>165</u>	
8			Perf. top _____
8			Perf. bottom _____
Lines Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 1 1/2 INCH 165 NO. FT. JUN 11/63

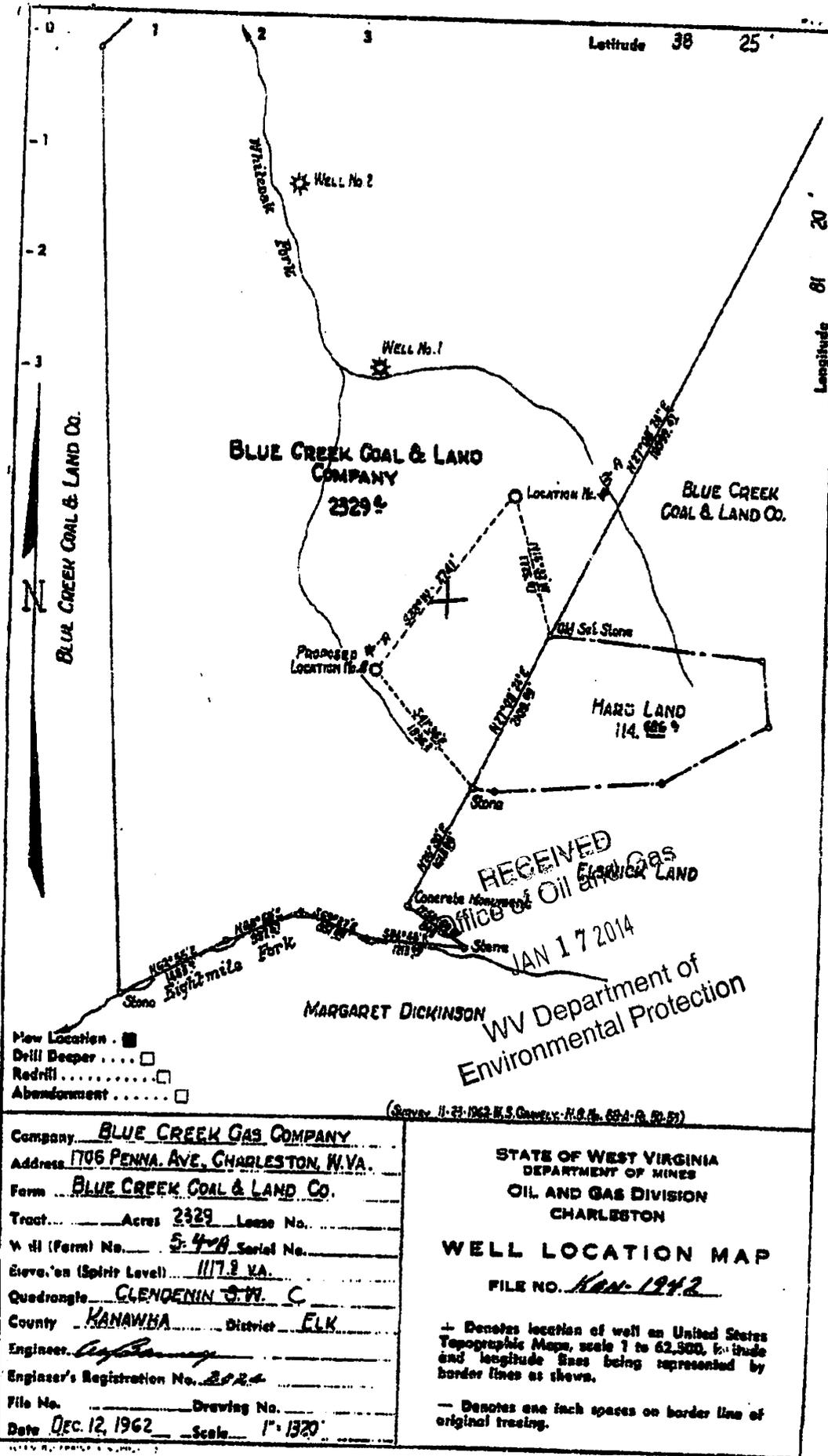
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

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			
Slate			170	185			
Sand			185	215			
Slate			215	235			
Sand			235	313			
Slate			313	570			
Sand			570	642	Water		
Lime			642	678			
Slate & Shells			678	763			
Sand			763	918			
Slate & Shells			918	963			
Salt Sand			963	1165	Water		
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			
Maron			1525	1558			
Slate			1558	1571			

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Office of Oil and Gas
JUL 10 1963
WV Department of Environmental Protection
JUL 10 1963



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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 OP Code _____

Watershed _____ Quadrangle _____

Elevation 1117' 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

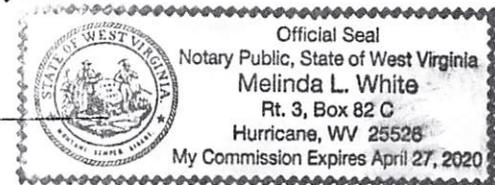
Company Official Title President

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

Melinda L. White

Notary Public

My commission expires Apr. 27, 2020



LEGEND

- Property Boundary
- Road
- Existing Fence
- Planned Fence
- Stream
- Open Ditch
- Rock
- North
- Buildings
- Water wells
- Drill site

- Diversion
- Spring
- Wet Spot
- Drain Pipe with size in inches
- Waterway
- Cross Drain
- Artificial Filter Strip
- PI: cut walls
- PI: compacted fill walls
- Area for Land Application of PI Waste

Proposed Revegetation Treatment: Acres Disturbed 1/4 Prevegetation pH _____

Lime 3 Tons/acre or 10 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		Seed Type	Area II	
		lbs/acre			lbs/acre
<u>Contractors Mix</u>					

Attach: Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

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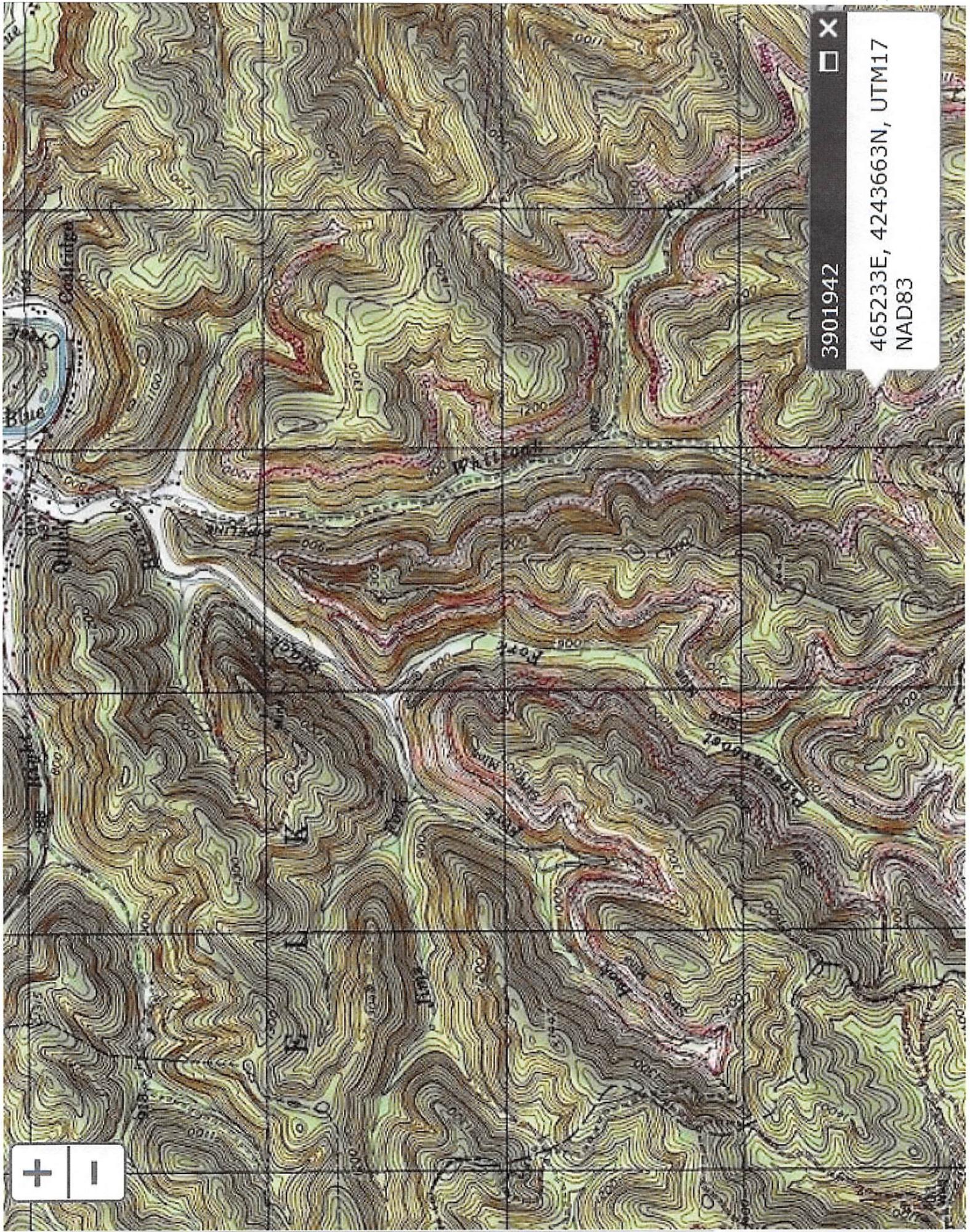
Plan Approved by:

Comments: _____

Title: Inspector Date: 1-10-14

Field Reviewed? Yes No

39-01942





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

API: 47-3901942 WELL NO.: 4-A

FARM NAME: Blue Creek Coal Land Co.

RESPONSIBLE PARTY NAME: Steve Rubin

COUNTY: Kanawha DISTRICT: EPK

QUADRANGLE: _____

SURFACE OWNER: Union Carbide Corp.

ROYALTY OWNER: Union Carbide Corp

UTM GPS NORTHING: ~~778~~ 0465233

UTM GPS EASTING: 4243663 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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS ____: Post Processed Differential ____

Real-Time Differential ____

Mapping Grade GPS ____: Post Processed Differential ____

Real-Time Differential ____

- 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 Luckworth contractor 1-13-14
Signature Title Date