



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 27, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-3902723, issued to MCKOWN, C.I. & SON, INC., 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: 66
Farm Name: BLUE CREEK COAL & LAND
API Well Number: 47-3902723
Permit Type: Plugging
Date Issued: 06/27/2014

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

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.

WW-4B
Rev. 2/01

1) Date MARCH 17, 2014
2) Operator's
Well No. BLUE CREEK #66
3) API Well No. 47-039 - 2723

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

5) Location: Elevation 1221 Watershed CAMPBELL'S CREEK
District MALDEN County KANAWHA Quadrangle QUICK 7.5'

6) Well Operator C. I. McKOWN & SON, INC. 7) Designated Agent C. I. McKOWN, II
Address P.O. BOX 711 Address P.O. BOX 711
NEWTON, WV 25266 NEWTON, WV 25266

8) Oil and Gas Inspector to be notified Name TERRY URBAN
Address P.O. BOX 1207
CLENDENIN, WV 25045
9) Plugging Contractor Name C. I. McKOWN & SON, INC.
Address P.O. BOX 711
NEWTON, WV 25266

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

- GEL FROM TD TO 2280'
- SET CEMENT PLUG FROM 2280' TO 2180'
- CUT 4 1/2" CASING AT ABOUT 1600' (OR FREE POINT)
- GEL FROM 2180' TO 1650' (OR FREE POINT)
- SET CEMENT PLUG FROM 1650' TO 1550' (OR OVER CUT)
- GEL FROM 1550' TO 1000'
- SET CEMENT PLUG FROM 1000' TO 900' *ABOUT SALT STRAT*
- GEL FROM 900' TO 790'

SEE ADDITIONAL PAGE

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

Work order approved by inspector

August W. Urban

APR 28 2014 4:15 PM
date

RECEIVED
Office of Oil and Gas
Department of Environmental Protection

WW-4B
Rev. 2/01

1) Date MARCH 17, 2014
2) Operator's
Well No. BLUE CREEK #68
3) API Well No. 47-039 - 2723

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

5) Location: Elevation 1221 Watershed CAMPBELL'S CREEK
District MALDEN County KANAWHA Quadrangle QUICK 7.5'

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Address P.O. BOX 711 Address P.O. BOX 711
NEWTON, WV 25266 NEWTON, WV 25266

8) Oil and Gas Inspector to be notified Name TERRY URBAN
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CLENDENIN, WV 25045
9) Plugging Contractor Name C. I. McKOWN & SON, INC.
Address P.O. BOX 711
NEWTON, WV 25266

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

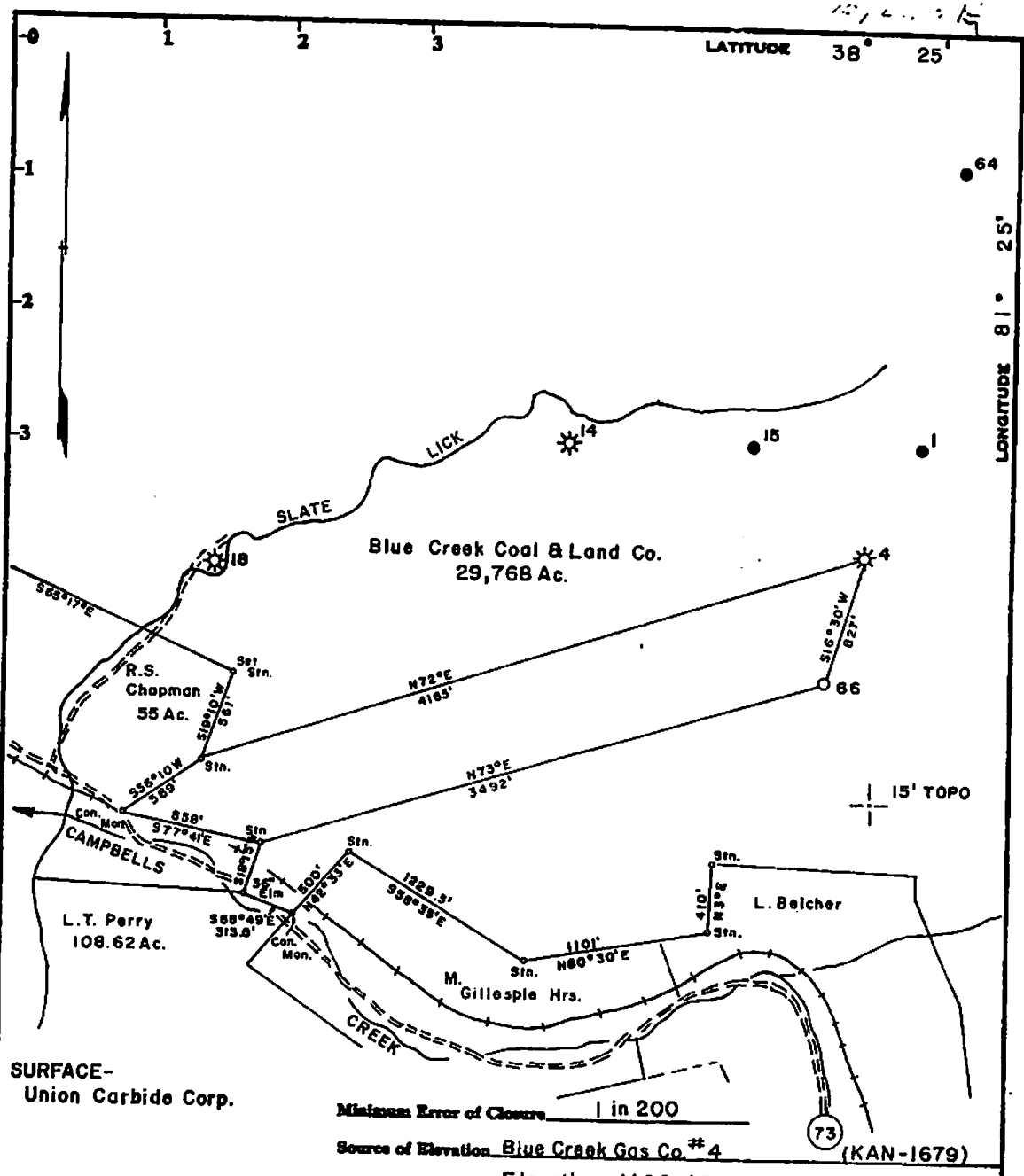
SET CEMENT PLUG 790' TO 710' *coal*
GEL FROM 710' TO 610'
SET CEMENT PLUG FROM 610' TO 190' *coal*
GEL FROM 190' TO 100'
CEMENT FROM 100' TO SURFACE
ERECT MONUMENT

May Change plugs on location

ok

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

Work order approved by inspector *[Signature]* Date 4-15-14
Office of Oil and Gas
APR 28 2014
Department of Environmental Protection



SURFACE-
Union Carbide Corp.

Minimum Error of Closure 1 in 200

Source of Elevation Blue Creek Gas Co. #4 (KAN-1679)
Elevation - 1160.42

- Fracture
- New Location
- Drill Deeper
- Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: *Curtis A. Lucas*
Map No. 110 Squares: N 975 E W 48

Company	PENNZOIL COMPANY
Address	P. O. Box 1588, Parkersburg, W. Va. 26101
Farm	UNION CARBIDE SURV. BLUE CREEK LAND & COAL CO.
Tract	Acres 29,768 Lease No. 57822-50
Well (Farm) No.	66 Serial No.
Elevation (Spirit Level)	1221.32
Quadrangle	CLENDENIN 15'
County	KANAWHA District MALDEN
Surveyor	CURTIS A. LUCAS
Surveyor's Registration No.	275
File No.	44 Drawing No.
Date	10-27-78 Scale 1" = 800'

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

WELL LOCATION MAP
FILE NO. KAN-2723

+ 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. 47-039

BRUNING 44-131 27198



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Glendenin

Permit No. Kan-2723

Rotary X Oil _____
Cable _____ Gas _____
Recycling _____ Comb. XX
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company Pennzoil Company
Address P. O. Box 1588, Parkersburg, W. Va. 26101
Farm Blue Creek Coal and Land Co. Acres 29.768
Location (waters) Campbell's Creek
Well No. 66 Elev. 1221.32'
District Malden County Kanawha
The surface of tract is owned in fee by _____
Union Carbide Corporation
Address Rt. #2, Box 224 B, Glendenin, W. Va.
Mineral rights are owned by Same as Above
Address _____
Drilling Commenced 11-1-75
Drilling Completed 11-6-75
Initial open flow 12,000 cu. ft. 6 bbls.
Final production 12,000 cu. ft. per day 3 bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	567	567	325 sks.
7			
5 1/2			
4 1/2	2302.85	2302.85	75 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Berea Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Substructure			0	7		
Rock			7	140		
Rock & Shale			140	222		
Coal			222	228		
Sand & Shale			228	294		
Coal			294	295		
Sand & Shale			295	323		
Coal			323	325		
Sand			325	427		
Coal			427	430		
Sand & Shale			430	740		
Coal			740	742		
Sand & Shale			742	1042		
Salt Sand			1042	1598		
Little Lime			1598	1638		
Pencil Cave			1638	1664		
Big Lime			1664	1730		
McCrary Shale			1730	1830		
Pocono Injun			1830	1873		
Shale			1873	1936		
Weir			1936	1946		
Shale			1946	2230		
Coffee Shale			2230	2256		
Berea			2256	2264		

(over)

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			2264	2302		
Total Depth				2302		

Date Jan 22 1976

APPROVED Pennzoil Co. Owner

By Charles A. Swan
(Title) Surveyor

NEW WELL REPORT - CONTINUED

INITIAL TORPEDO RECORD

Date of Shot _____

Name of Torpedo Co. _____

No. of Quarts _____

Length of Shell _____

Diameter of Shell _____

Length of Anchor _____

Ton of Shot _____

Bottom of Shot _____

Feet of Fluid in Hole When Shot _____

Results: _____

CASING AND TUBING RECORD

SIZE	PUT IN WELL			PULLED OUT		
	TRANSFER NO.	FEET	INCH	TRANSFER NO.	FEET	INC.
8 5/8"		563	57			
4 1/2"		2314	60			

PACKER RECORD

INITIAL PRODUCTION FIRST 24 HOURS

Open Flow /10ths Water in _____ Inch

_____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock Pressure _____ lbs. _____ hrs.

Oil _____ bbls, First 24 hrs.

KIND	SIZE	DEPTH SET	DATE SET
Pamaco Steel Shoe	8 5/8"	567 RKB	11-3-75
Baker Guide Shoe	4 1/2"	2302.85 RKB	11-6-75

ACIDIZATION OR FRACTURING RECORD

DATE WELL ACIDIZED _____

DATE WELL FRACTURED 11-13-75

NAME OF COMPANY Halliburton

(List below materials used in Acidizing or Fracturing, i.e., Sand, Crude Oil, Gasoline, Water, Kerosene, Mothballs, Acid, etc., giving gallons, barrels and pounds.)

725 Bbls. Water

30,000 Lbs. 20/40 Sand

500 Gals. 15% HCL

450 Gals. WG-6 Gel

BREAKDOWN PRESSURE 1980#

PUMPING PRESSURE Max 2100# Min 2200# Avg 2300#

AVERAGE PUMPING RATE/MINUTE 25.0 BPM

PUMPING TIME _____

RESULT AFTER TREATMENT } GAS _____ CU. FT.

 } OIL _____ BBLS.

ROCK PRESSURE AFTER TREATMENT _____ LBS.

CASING CEMENTED

8 5/8" SIZE 567 RKB FT. 11-3-75 DATE

BAGS USED 325 Neat Cement 3% CC 1/8"

Flocele per sk.

4 1/2" SIZE 2302.85 RKB FT. 11-6-75 DATE

500 Gal. Mud Flush

BAGS USED 75 50/50 Poz-Mix 2% CC 1/8"

Flocele

SIZE _____ FT. _____ DATE

BAGS USED _____

SIZE _____ FT. _____ DATE

BAGS USED _____

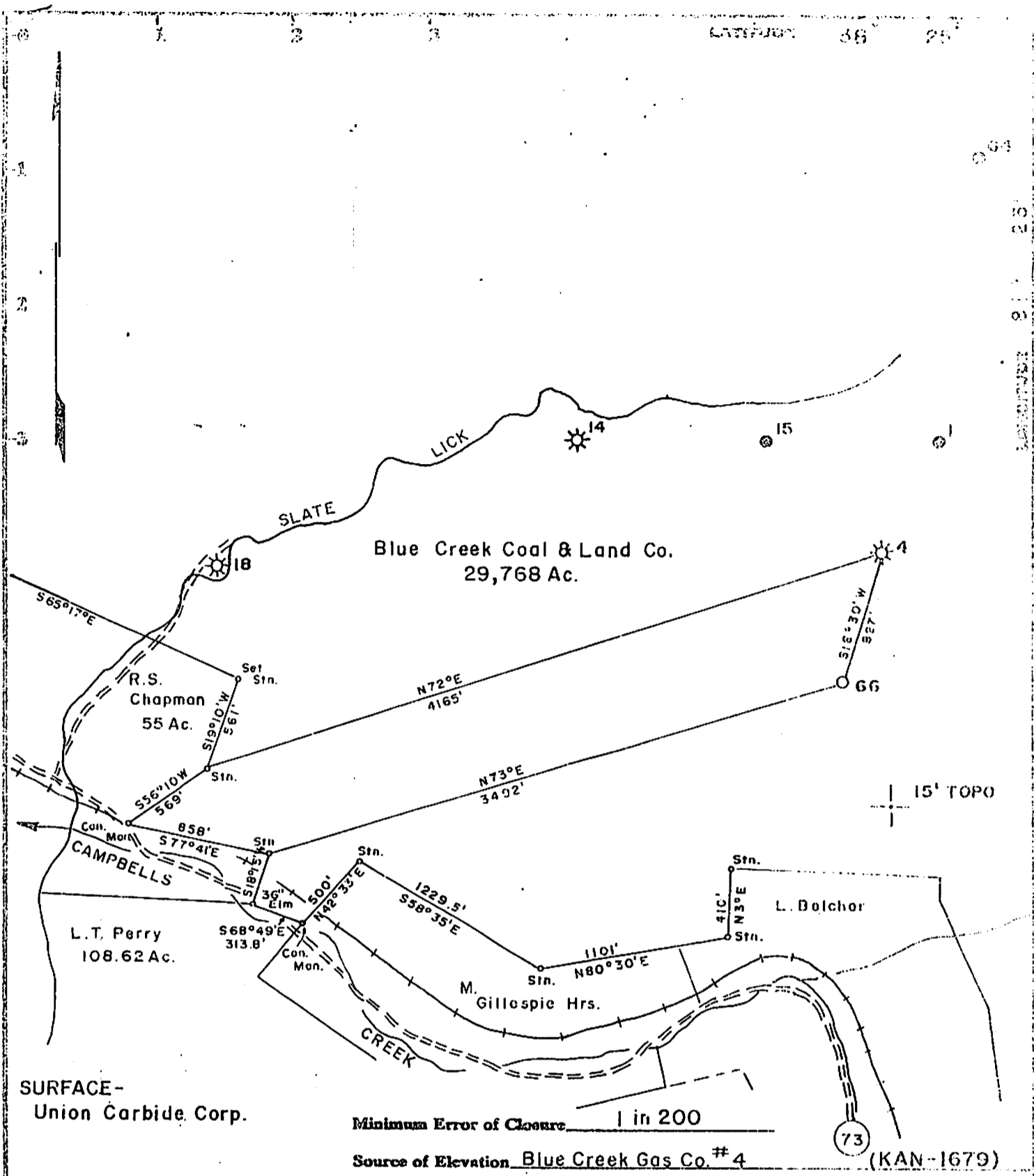
TOP DEPTH OF CEMENT SHOWN BY TEMPERATURE LOG _____

REMARKS: Perforations - 2260 - 2262 (16 holes)

APPROVED

B. J. Pulintire

SUPERINTENDENT



SURFACE - Union Carbide Corp.

Minimum Error of Closure 1 in 200

Source of Elevation Blue Creek Gas Co. #4 (KAN-1679)

Elevation - 1160.42

- Fracture
- New Location
- Drill Deeper
- Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: _____
 Map No. 110 Squares: N S 75 E W 48

Company	PENNZOIL COMPANY		
Address	P. O. Box 1588, Parkersburg, W. Va. 26101		
Farm	BLUE CREEK LAND & COAL CO.		
Tract	Acres	Lease No.	29,768 57822-50
Well (Farm) No.	66	Serial No.	
Elevation (Spirit Level)	1221.32		
Quadrangle	CLEDENIN 15'		
County	KANAWHA	District	MALDEN
Surveyor	CURTIS A. LUCAS		
Surveyor's Registration No.	275		
File No.	44	Drawing No.	
Date	10-27-75	Scale	1" = 800'

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

WELL LOCATION MAP

FILE NO. _____

+ 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.

CK 8604
DU 50
3902723A

WW-4A
Revised 6-07

1) Date: MARCH 17, 2014
2) Operator's Well Number
BLUE CREEK #66
3) API Well No.: 47 - 039 - 2723

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, LLC</u>	Name <u>MIDLAND TRAIL ENERGY, LLC</u>
Address <u>148 BRISTOL EAST ROAD</u>	Address <u>P.O. BOX 366 110 CATENARY COAL COMPANY ROAD</u>
<u>BRISTOL, VA 24202</u>	<u>TAD, WV 25201</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>BLUE EAGLE LAND, LLC</u>
	Address <u>148 BRISTOL EAST ROAD</u>
	<u>BRISTOL, VA 24202</u>
(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>ROBIN LAND COMPANY, LLC</u>
<u>CLENDENIN, WV 25045</u>	Address <u>500 LEE STREET EAST, SUITE 900</u>
Telephone <u>304-549-5915</u>	<u>CHARLESTON, WV 25301</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 C. I. McKOWN & SON, INC.
 By: [Signature]
 Its: PRESIDENT
 Address P.O. BOX 711
NEWTON, WV 25266
 Telephone (304) 565-7318

Subscribed and sworn before me this 11th day of April, 2014

My Commission Expires April 2, 2019



APR 28 2014

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.

390 2723 P

7013 1090 0001 6262 7582

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Certified Fee	3.30	
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 8.66	

Sent To
 Midland Trail Energy, LLC
 Street, Apt. No., or PO Box No. Po Box 366 / 110 Gateway Coal Co Rd
 City, State, ZIP+4[®] Tad, WV 25201

PS Form 3800, August 2006 See Reverse for Instructions

7013 1090 0001 6262 7599

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
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Certified Fee	3.30	
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 8.66	

Sent To
 Blue Eagle Land, LLC
 Street, Apt. No., or PO Box No. 148 Bristol East Road
 City, State, ZIP+4[®] Bristol, VA 24202

PS Form 3800, August 2006 See Reverse for Instructions

7013 1090 0001 6262 7575

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For delivery information visit our website at www.usps.com

Postage	\$ 2.66	
Certified Fee	3.30	
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 8.66	

Sent To
 Robin Land Company, LLC
 Street, Apt. No., or PO Box No. 500 Lee St. East, Suite 900
 City, State, ZIP+4[®] Charleston WV 25301

PS Form 3800, August 2006 See Reverse for Instructions

Received

APR 30 2014

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 C.I. McKOWN & SON, INC. OP Code 307161

Watershed CAMPBELL'S CREEK Quadrangle QUICK 7.5'

Elevation 1221' County KANAWHA District MALDEN

Description of anticipated Pit Waste: FLUIDS ENCOUNTERED WHILE PLUGGING WELL

Will a synthetic liner be used in the pit? YES 20 MIL

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 047-087-01106)
- 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 [Signature]

Company Official (Typed Name) C.I. McKOWN, II

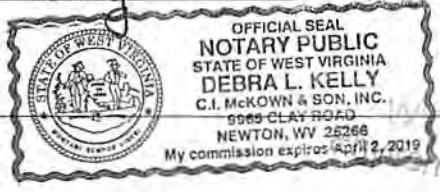
Company Official Title PRESIDENT

Subscribed and sworn before me this 11th day of April, 2014

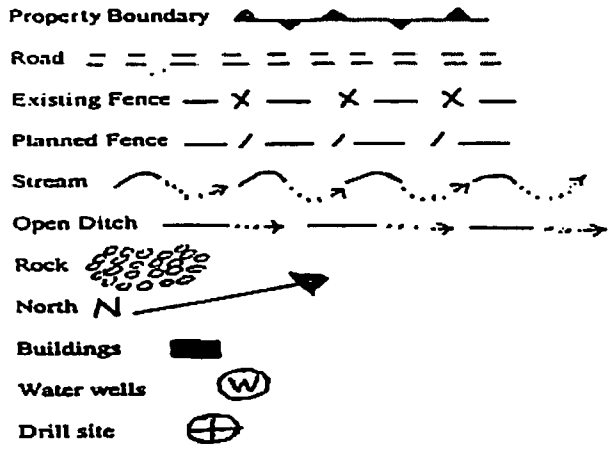
Debra L. Kelly

Notary Public

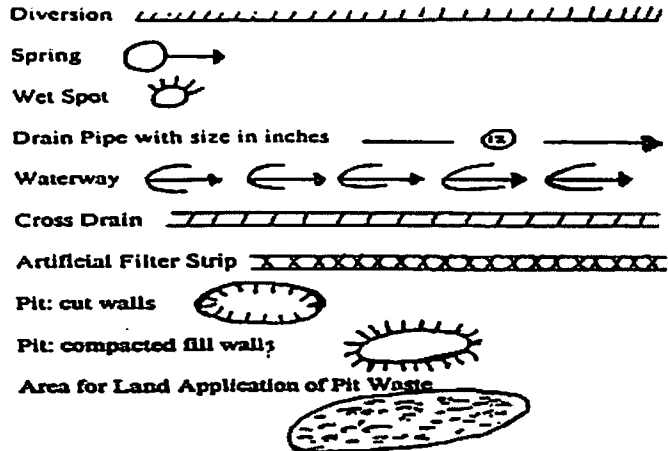
My commission expires April 2, 2019



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Office of Oil and Gas
APR 28 2014
Department of Environmental Protection



LEGEND



Proposed Revegetation Treatment: Acres Disturbed +/- 1/2 ACRE Prevegetation pH _____

Lime 2 Tons/acre or to correct to pH _____

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

Mulch STRAW 2 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre
TALL FESCUE		40
RED CLOVER		5
ANNUAL RYE		15

Seed Type	Area II	lbs/acre
TALL FESCUE		40
RED CLOVER		5
ANNUAL RYE		15

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *Henry W. [Signature]*

Comments: _____

Title: *Inspection of [Signature]*

Date: *4-15-14*

Field Reviewed? Yes No

RECEIVED
Office of Oil and Gas
APR 28 2014
New York Department of
Environmental Protection

390 2723A

WW-7
8-30-06



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

API: 047-039-02723 WELL NO.: 66

FARM NAME: BLUE CREEK

RESPONSIBLE PARTY NAME: C.I. McKOWN & SON, INC.

COUNTY: KANAWHA DISTRICT: MALDEN

QUADRANGLE: QUICK 7.5'

SURFACE OWNER: BLUE EAGLE LAND, LLC

ROYALTY OWNER: RANGE RESOURCES - PINE MOUNTAIN INC.

UTM GPS NORTHING: 4,242,916 (NAD 83)

UTM GPS EASTING: 461,721 (NAD 83) GPS ELEVATION: 372 (1221')

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

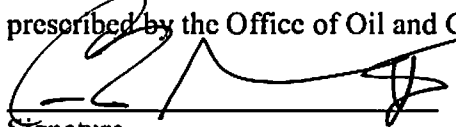
Real-Time Differential

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.

 PRESIDENT 4/11/14
 Signature Title Date