



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

September 05, 2014

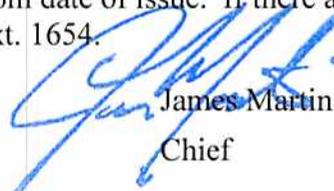
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8502918, issued to KIEDAISCH AND SUMMERS ENTERPRISES, 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: 1
Farm Name: LAWHEAD, C. E.
API Well Number: 47-8502918
Permit Type: Plugging
Date Issued: 09/05/2014

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.

85 02918 P

WW-4B
Rev. 2/01

1) Date May 15, 20 14
2) Operator's
Well No. CF Lawhead 1
3) API Well No. 47-085-02918

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 712 Watershed South Fork of Hughes River
District Murphy County Ritchie Quadrangle Smithville

6) Well Operator Kiedaisch & Summers Ent. 7) Designated Agent Jonathan Summers
Address P O Box 254 Address P O Box 254
Harrisville, WV 26362 Harrisville, WV 26362

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name David Cowan Name Lucas Well Service, Inc
Address Rt 1, Box 202 Address P O Box 4652
Harrisville WV 26362 Parkersburg, WV 26104

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

See Attached

Received

JUL 31 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

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

Work order approved by inspector *David Cowan* Date 7-25-14

C F Lawhead 1

Manner of Plugging

47-085-02918

Cement 1820 - ¹⁶²⁰~~1720~~ MAKE SURE ALL PERFORATIONS ARE COVERED.
 Gel ¹⁶²⁰~~1720~~ - 950

Cut 4 1/2" casing @ 950 (or free point) and pull

Cement 950 - 850
 Gel 850 - ⁵⁵⁰~~300~~ CEMENT 550 - 450, GEL 450 - 250

~~Cement 300 - 200~~

~~Gel 200 - 100~~

Cement ²⁵⁰~~100~~ - surface

Erect monument w/API Number

OK
 JMM

PLUG 1 - 1820 - 1620

GEL 162 - 950

PLUG 2 950 - 850 (ACROSS 4 1/2" CASING CUT)

GEL 850 - 550

PLUG 3 550 - 450 (GAS SHOW)

GEL 450 - 250

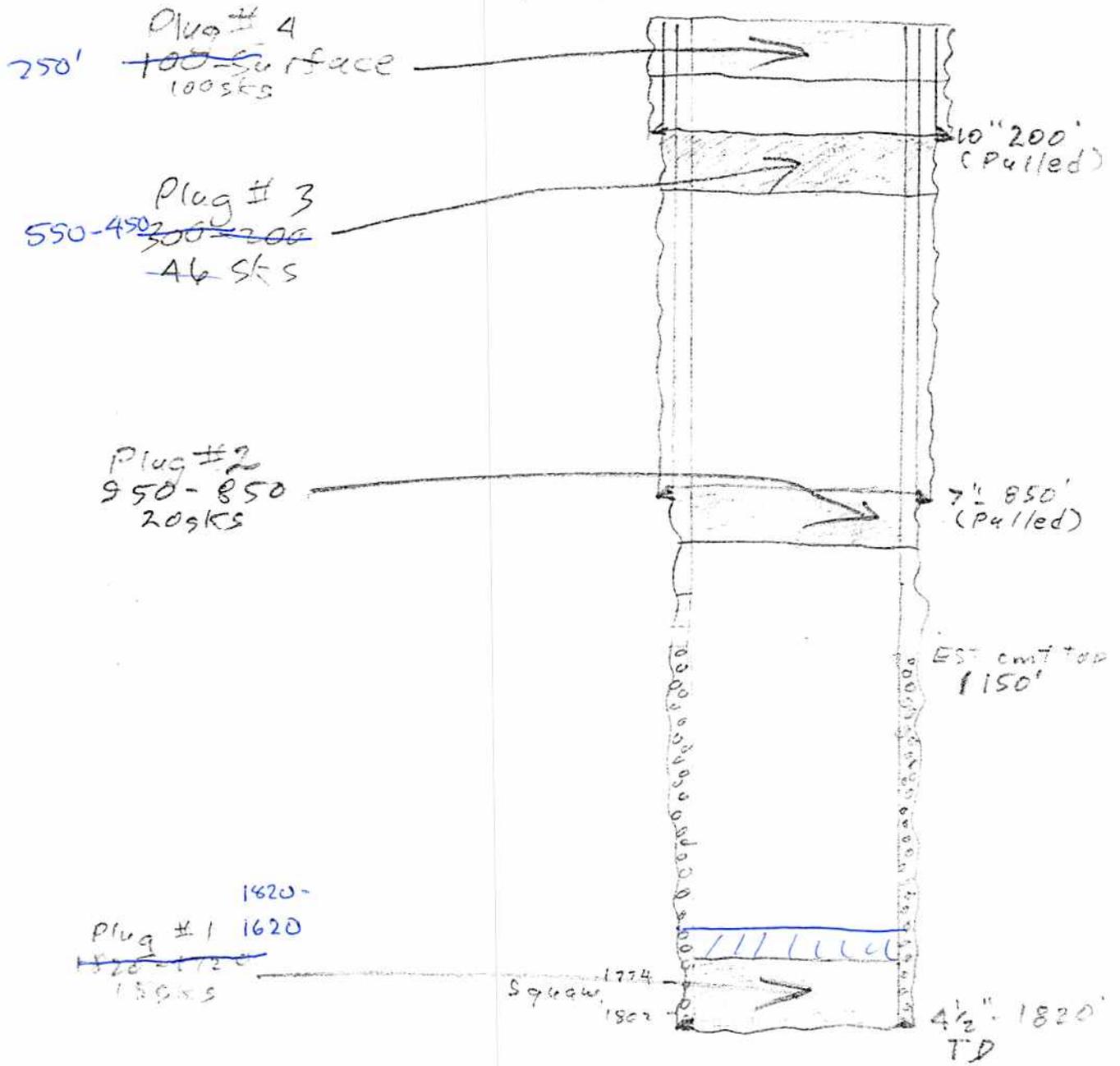
PLUG 4 250 - SURFACE (10" CASING SEAT, FRESH WATER)

RECEIVED
 Office of Oil and Gas

JUL 22 2014

WV Department of
 Environmental Protection

Kiedaisch & Summers
C F Lawhead 1
47-085-02918



Jul

Received

JUL 31 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

Cable Tools
Storage

WELL RECORD

Oil or Gas Well gas
(KIND)

Geographic Holbrook

Permit No. RIT. 2918

Company Vesta Fuel Company, Well No. 15
Address 212 E. Pierpoint St., Harrisville, W. Va.
Farm C. E. Lawhead et al Acres 45
Location (waters) South Fork of Hughes River
Well No. 3 Elev. 712
District Murohy County Ritchie
The surface of tract is owned in fee by W. Va. Paper & pulp

Address _____
Mineral rights are owned by C. E. Lawhead et al
Address Charleston, W. Va.

Drilling commenced July 12, 1964
Drilling completed Aug. 9, 1964
Date Shot _____ From _____ To _____
With _____

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 750,000 Cu. Ft.
Rock Pressure 585 lbs. 2 1/2 hrs.

Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

WELL FRACTURED 900 bbl. water, 32,000 pound sand,

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	<u>20'</u>		Kind of Packer _____
<u>2 1/4"</u>	<u>38'</u>		
10	<u>200'</u>	<u>None</u>	Size of _____
<u>3 1/2"</u>	<u>850'</u>	<u>None</u>	Depth set _____
<u>6 3/4"</u>	<u>1820'</u>	<u>1820'</u>	
<u>8 1/2"/16</u>			
8			Perf. top _____
<u>2 1/2" tubing</u>		<u>1820'</u>	Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

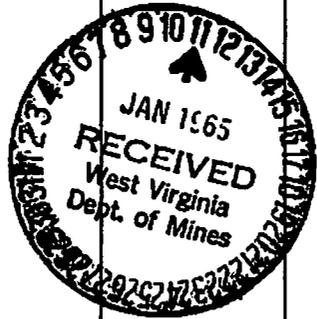
CASING CEMENTED 1 1/8" SIZE 1820' back to 1150' No. Ft. _____ Date _____
60 sha cement; 600# "Hib"
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	10			
Gravel			10	23			
Lime			23	42			
Gray slate			42	55			
Sand			55	60			
Lime			60	70			
Slate, lime shells			70	105			
Red rock			105	140			
Lime gritty			140	155			
Slate shells			155	160			
Lime gritty			160	165			
Slate soft			165	210			
Sand hard			210	230			
Red rock			230	275			
Gray slate			275	295			
Red rock			295	305			
Gray slate			305	324			
Sand sharp			324	345			
Slate shells			345	350			
Sand			350	395			
Slate shells			395	440			
Red rock			440	450			
Slate shells			450	455			
Lime gritty			455	485			
Red rock			485	520			
Gray slate			520	530			
Sand			530	575			



Formation	Color	Hard or Soft	Top 10	Bottom	Oil Gas or Water	Depth Found	Remarks
Sand			650	660			
Red rock			660	685			
Gray slate			685	715			
Lime hard gritty			715	730			
Sand dunkard			730	770			
Slate shells			770	770			
Sand			770	770			
Slate shells			770	770			
Slate slate			770	770			
Sand broken			1163	1195			
Slate dark			1195	1205			
Sand			1205	1225			
Slate			1225	1250			
Lime Hard dark			1250	1255			
Sand hard			1255	1285			
Sand broken			1285	1362			
Sand			1362	1392			
Sand broken			1392	1405			
Sand			1405	1510			
Slate			1510	1516			
Sand broken			1516	1580			
Lime			1580	1605			
Slate			1605	1606			
Lime gritty hard			1628	1637			
Slate			1637	1639			
Lime hard gritty			1639	1646			
Lime			1646	1695			
Lime gritty			1695	1700			
Lime			1700	1713			
Lime gritty			1713	1719			
Sand			1749	1771			
Slate			1771	1774			
Squaw			1774	1802			
Slate			1802				
Total depth:				1819			

Small amount of water 145'
 545 to 555' gas
 1040 to 1050 slight show of oil
 Oil show 1285
 Gas 1363 - 1368
 Oil show 1430
 Oil show 1455
 Gas 1520 to 1525
 Gas show 1634
 Small oil 1733

Received

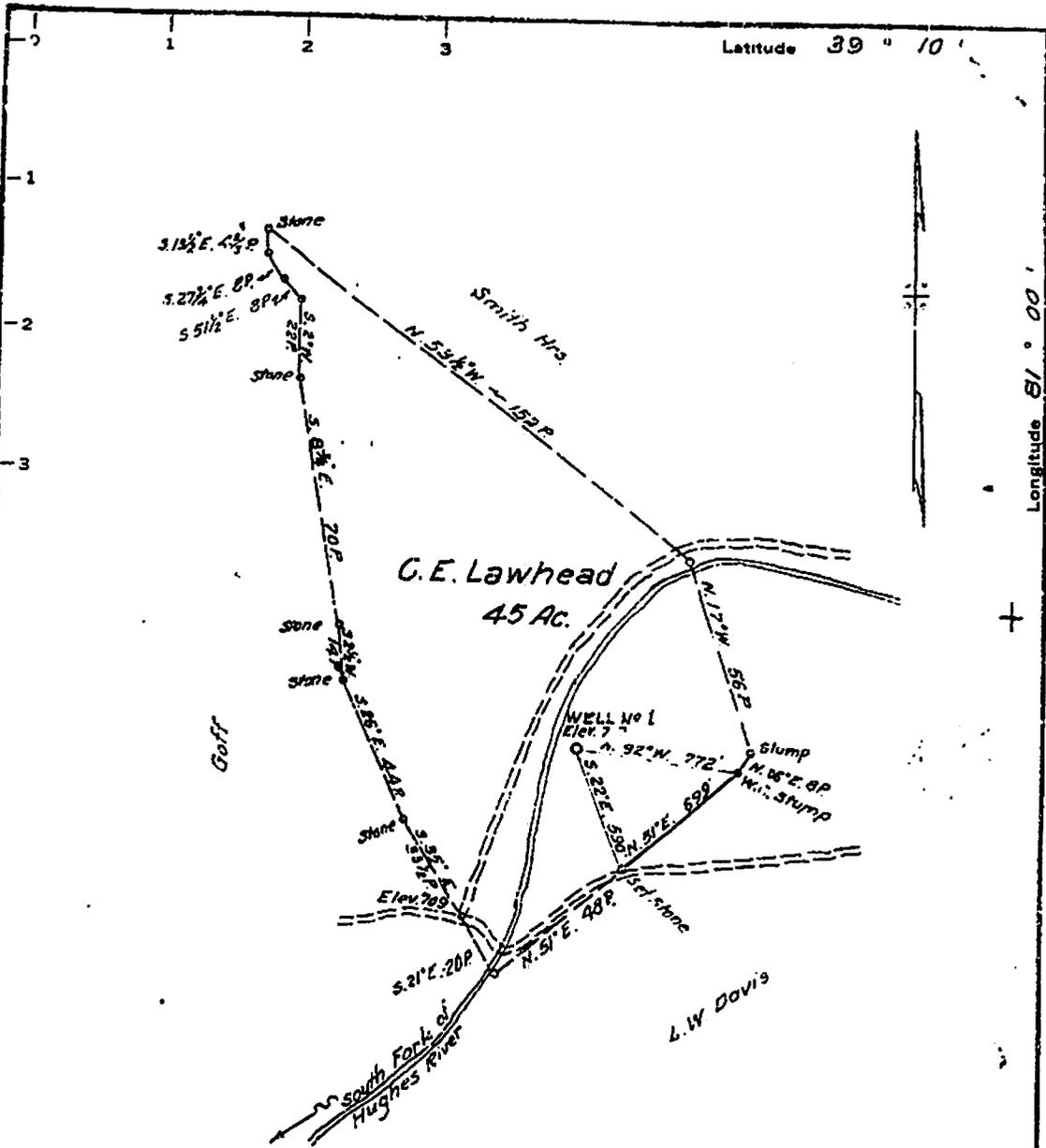
JUL 31 2014

Office of Oil and Gas
 WV Dept. of Environmental Protection ✓

Date Jan. 7, 1965

APPROVED Vista Fuel Company, Well No. 15, Owner

By Matthew C. Gault Agent
 (Title)



MINIMUM ERROR OF CLOSURE 1/500

SOURCE OF ELEVATION Junction of roads 0.2 mile southwest of location - Elevation 709

New Location
 Drill Coeper
 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."

Company Vesta Fuel Co. Walter C. Crane, Agt
 Address 215 Court St, Harrisville, W.Va
 Farm C.E. Lawhead
 Tract 3 Acres 45 Lease No. _____
 Well (Farm) No. 1 Serial No. 3
 Elevation (Spirit Level) 712
 Quadrangle Harrisville - F.C.
 County Ritchie District Murphy
 Engineer Parker E. Peters
 Engineer's Registration No. 485
 File No. _____ Drawing No. _____
 Date June 23, 1964 Scale 1" = 40 P

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

WELL LOCATION MAP
 FILE NO. Bit-2918

+ 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

JUL 31 2014

Office of Oil and Gas
 WV Dept. of Environmental Protection

8502918P

WW-4A
Revised 6-07

1) Date: May 15, 2014
2) Operator's Well Number
C F Lawhead 1
3) API Well No.: 47 - 085 - 02918

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>Harry G Cooke</u>	Name _____
Address <u>P O Box 279</u>	Address _____
<u>Pineville, WV 24874</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector	(c) Coal Lessee with Declaration
Address _____	Name _____
_____	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 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 Kiedaisch & Summers Enterprises

By: [Signature]

Its: Owner

Address P O Box 254

Harrisville, WV 26362

Telephone 304 643-2668

Subscribed and sworn before me this 15th day of July, 2014

Notary Public **RECEIVED**
Office of Oil and Gas

My Commission Expires June 27, 2021

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 its regulatory duties. Your personal information may be disclosed to other State agencies or business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. The office will appropriately secure your personal information. If you have any questions about the use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.



8502918P

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U.S. Postal ServiceSM
CERTIFIED MAILTM RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

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

OFFICIAL USE

Postage	\$	\$1.40	0622
Certified Fee		\$3.30	01
Return Receipt Fee (Endorsement Required)		\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$7.40	07/21/2014

Sent To Harry Cooke ✓

Street, Apt. No.,
or PO Box No. PO Box 279

City, State, ZIP+4 Pineville, WV 24874

PS Form 3800, August 2006 See Reverse for Instructions

check 4938
100.00

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 Kiedaisch & Summers, OP Code 309321

Watershed South Fork of Hughes River Quadrangle Smithville

Elevation 712 County Ritchie District Murphy

Description of anticipated Pit Waste: Fluids from plugging operations

Will a synthetic liner be used in the pit? As needed

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 *Jonathan Summers*

Company Official (Typed Name) Jonathan Summers

Company Official Title Owner

RECEIVED
Office of Oil and Gas

Subscribed and sworn before me this 10th day of July, 2014 JUL 22 2014

Diana Ritter

My commission expires June 27, 2021



8502918P

SMITHVILLE QUADRANGLE
WEST VIRGINIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 HARRISVILLE 15' QUADRANGLE

4862 III NW
(PULLMAN)

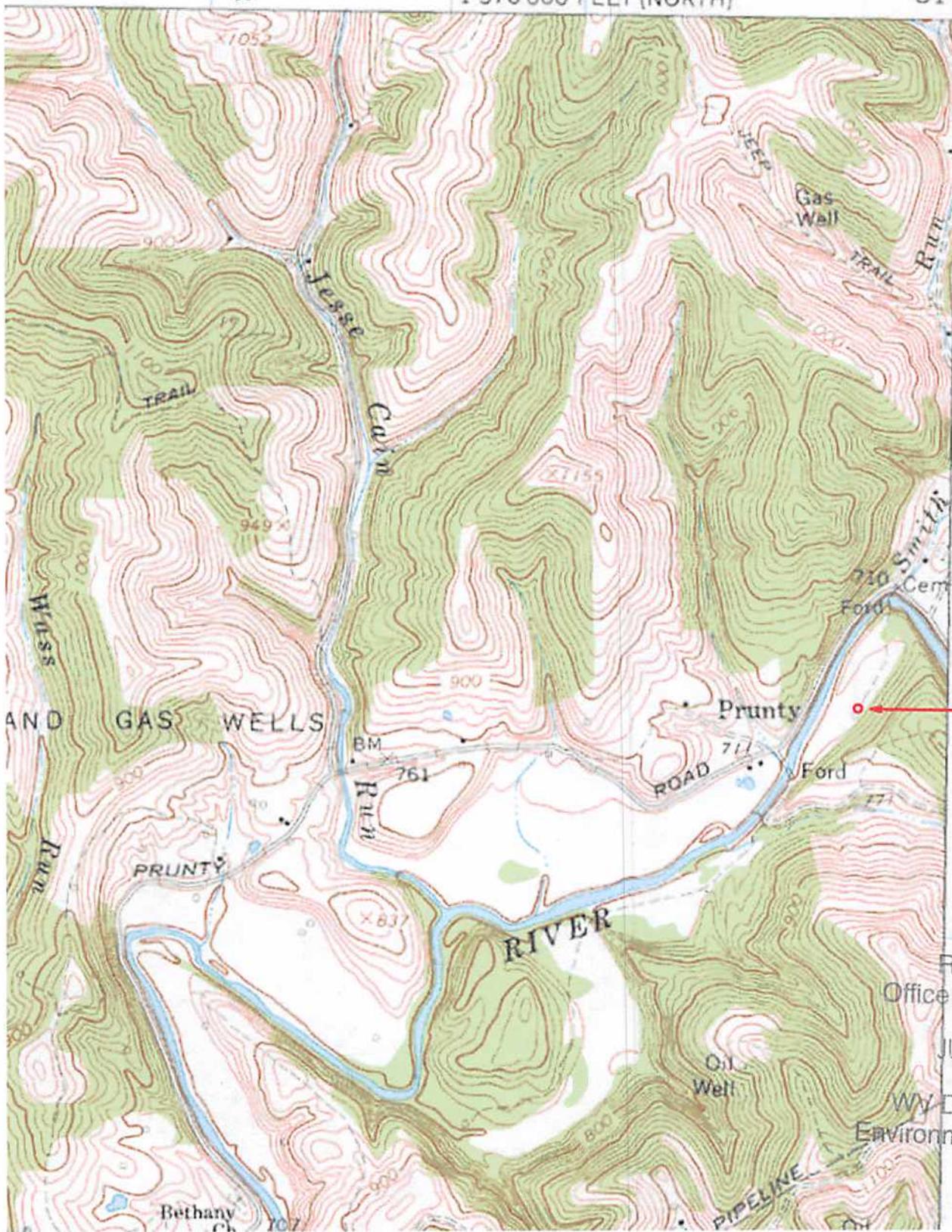
498

1 570 000 FEET (NORTH)

81°00'

39°07'30"

230 000 FEET
(NORTH)



N - 4,328,828
E - 499,778

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Office of Oil and Gas

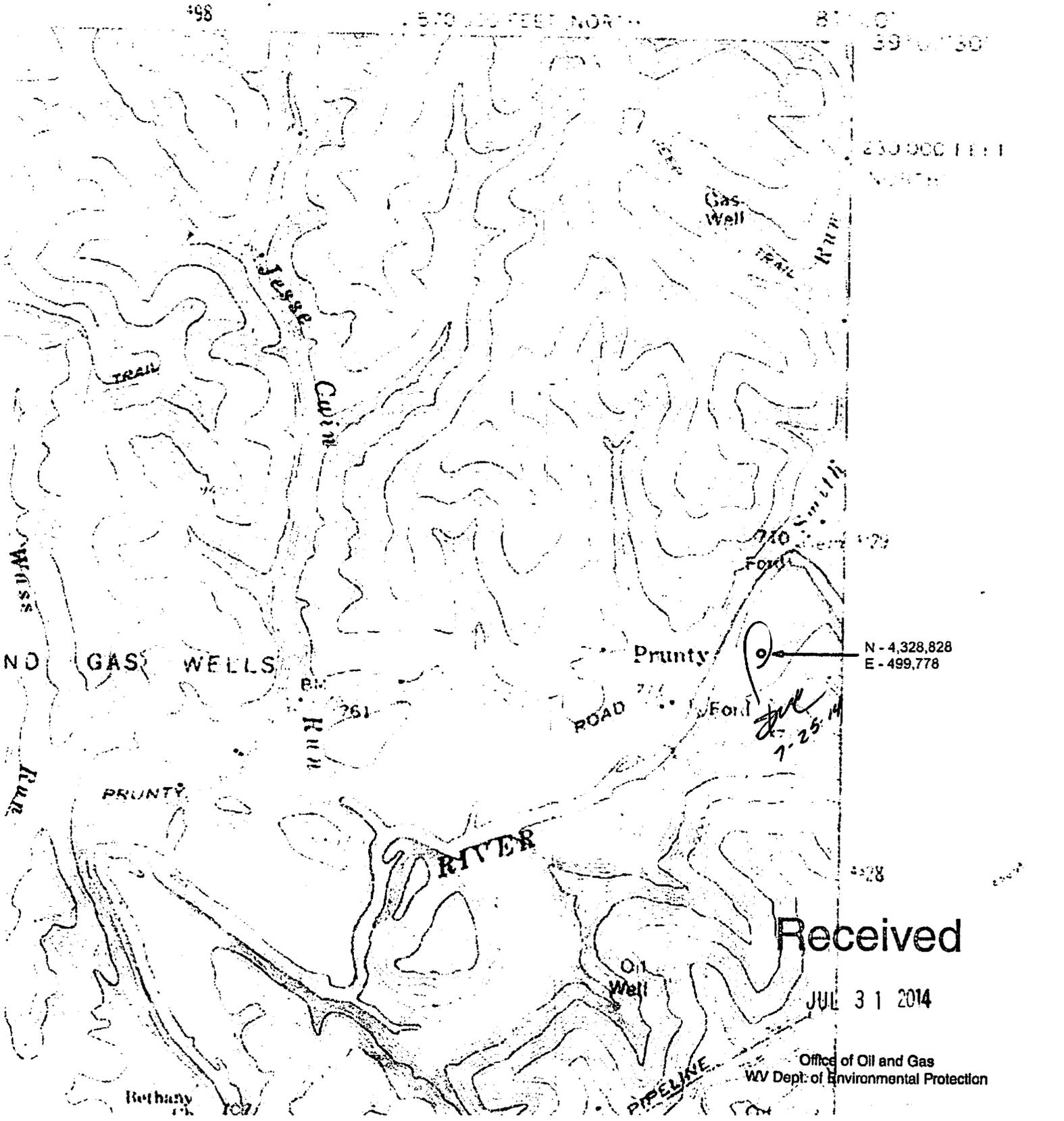
JUL 22 2014

WV Department of
Environmental Protection

8702918P

SMITHVILLE QUADRANGLE WEST VIRGINIA 7.5 MINUTE SERIES (TOPOGRAPHIC) SE 1/4 HARRISVILLE 15 QUADRANGLE

NO. 100
(P.L. MAN)



230 000 FEET
NORTH

N - 4,328,828
E - 499,778

Received

JUL 31 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

Bethany
107

**KIEDAISCH AND SUMMERS ENTERPRISES,
A LIMITED LIABILITY COMPANY**
Post Office Box 254
Harrisville, WV 26362

Jonathan W. Summers
(304) 643-2668
1-866-503-3922 Toll Free
Email summers03@zoominternet.net

George F. Kiedaisch

July 30, 2014

Melanie Hankins
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304-2345

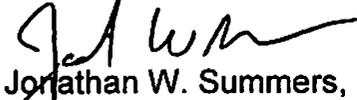
Re: Well Inspector Signature Plugging Permit 47-085-02918

Dear Ms. Hankins:

Enclosed please find the Work Order Approval signed by Inspector David W. Cowan.

Should anything else be needed, please call, email, or write..

Sincerely yours,


Jonathan W. Summers,
Co-Manager
Kiedaisch and Summers Enterprises, LLC

Received

JUL 31 2014

Office of Oil and Gas
WV Dept. of Environmental Protection