



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Earl Ray Tomblin , Governor
Randy C. Huffman , Cabinet Secretary
www.dep.wv.gov

Wednesday, November 30, 2016
WELL WORK PERMIT
Vertical / Plugging

ROSS AND WHARTON GAS COMPANY, INC.
RT. 5, BOX 29

BUCKHANNON, WV 262010000

Re: Permit approval for
47-021-02938-00-00

This well work permit 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 any additional specific 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.



James A. Martin
Chief

Operator's Well Number:
Farm Name: BARKER, C.
U.S. WELL NUMBER: 47-021-02938-00-00
Vertical / Plugging
Date Issued: 11/30/2016

Promoting a healthy environment.

12/02/2016

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.

2102938A

WW-4B
Rev. 2/01

1) Date 8/23, 2016
2) Operator's
Well No. Evelyn Peters
#1 (Barker est.)
API Well No. 47-021 02938

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 X or Underground storage ___) Deep ___ / Shallow x

5) Location: Elevation 1186 Watershed Secondary Fork
District Glenville County Gilmer Quadrangle Burnsville

6) Well Operator Ross and Wharton Gas 7) Designated Agent Mike Ross Po Box 219
Company, INC. Address Coalton WV 26257
Address Rt. 5, Box 29,
Buckhannon WV 26201

Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Danny Mullins Name R & R WELL SERVICE
Address 124 Bid Trace Fork Rd. 220 Jack Arns Rd. Address 42 LYNCH RIDGE
Harts WV 25524 Buckhannon, WV WALTON, WV 25286
PHONE 304 932 6844 26201

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

- Remove all equipment used to produce well
- Gel hole TD 2309
- Cement 2305 to 2190
- Freepoint, cut, and pull 4 1/2 @ +/- 1500
- Cement 100' over cut 1550 to 1450
- Gel 1450 to 1225
- Cement ~~1215 to 1115~~ 1235 - 1135 PM
- Gel 1115 to ~~250~~ 984 THEN CEMENT FROM 984 TO 884, ACROSS 8 5/8" CASING SEAT. GEL TO 259' JMM
- Cement 259 to surface
- Set monument with proper API
- Gel between all cement plugs

Signature Mike Ross 10/14/16 Date
Inspector Danny Mullins 10-14-16

12/02/2016

2102938P

OG-10
Rev. - 9-71



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

RECEIVED
APR 17 1978
OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Gilmer
Permit No. Gil- 2938

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

Company <u>Rockwell Petroleum Company dba Ro-Jo</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O. Box 86, Sand Fork, W. Va. 26430</u>	Size <u>20-16</u>			
Farm <u>Charolet Barker (Peters)</u> Acres <u>61.40</u>	Cond. <u>13-10"</u>	<u>202 ft</u>	<u>202 ft</u>	<u>To Surface</u>
Location (waters) <u>Heaters Fork</u>	<u>9 5/8</u>			
Well No. <u>Offe (1)</u>	<u>8 5/8</u>	<u>934</u>	<u>Putted</u>	
District <u>Glennville</u> County <u>Gilmer</u>	<u>7</u>			
The surface of tract is owned in fee by <u>Evelyn Peters</u>	<u>5 1/2</u>			
Address <u>Glennville, W. Va.</u>	<u>4 1/2</u>		<u>2305 ft</u>	<u>110 sks Pozz^{no}</u>
Mineral rights are owned by <u>T. M. Marshall & Barker</u> Address <u>Glennville, W. Va.</u>	<u>3</u>			
Drilling Commenced <u>Feb. 14, 1978</u>	<u>2</u>			
Drilling Completed <u>March 23, 1978</u>	Liners Used			
Initial open flow <u>38 mcf</u> cu. ft. <u>0</u> bbls.				
Final production <u>1,225 mcf</u> cu. ft. per day <u>0</u> bbls.				
Well open <u>3</u> hrs. before test <u>635</u> RP.				

Well treatment details:
Apr 4, 1978

45 thousand lb of 20/40 sand Big Injun 2226 to 2240 == 12 Holes

500 gal of acid

890 Bls of Water

1324 HHP

Avg. Rates-- 36 Bpm at 1500 lb

Coal was encountered at None Feet _____ Inches

Fresh water 90 ft Feet _____ Salt Water _____ Feet _____

Producing Sand Big Injun Depth 2226 to 2240

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock			0	125		
Lime/shale			125	145		
Slate			145	160		
Sand			160	180		
Slate			180	245		
Red Rock			245	260		
Slate			260	305		
Red Rock			305	315		
Slate and Shells			315	350		
Sand			350	400		
Slate			400	415		
Red Rock			415	425		
Sand			425	570		
Slate			570	600		
Red Rock			600	650		
Slate and Shells			650	685		
Red Rock			685	720		
Sand			720	775		
Slate			775	850		
Sand			850	940		
Slate and Shells			940	965		
Sand			965	1010		
Slate and Shells			1010	1070		

* Indicates Electric Log tops in the remarks section.

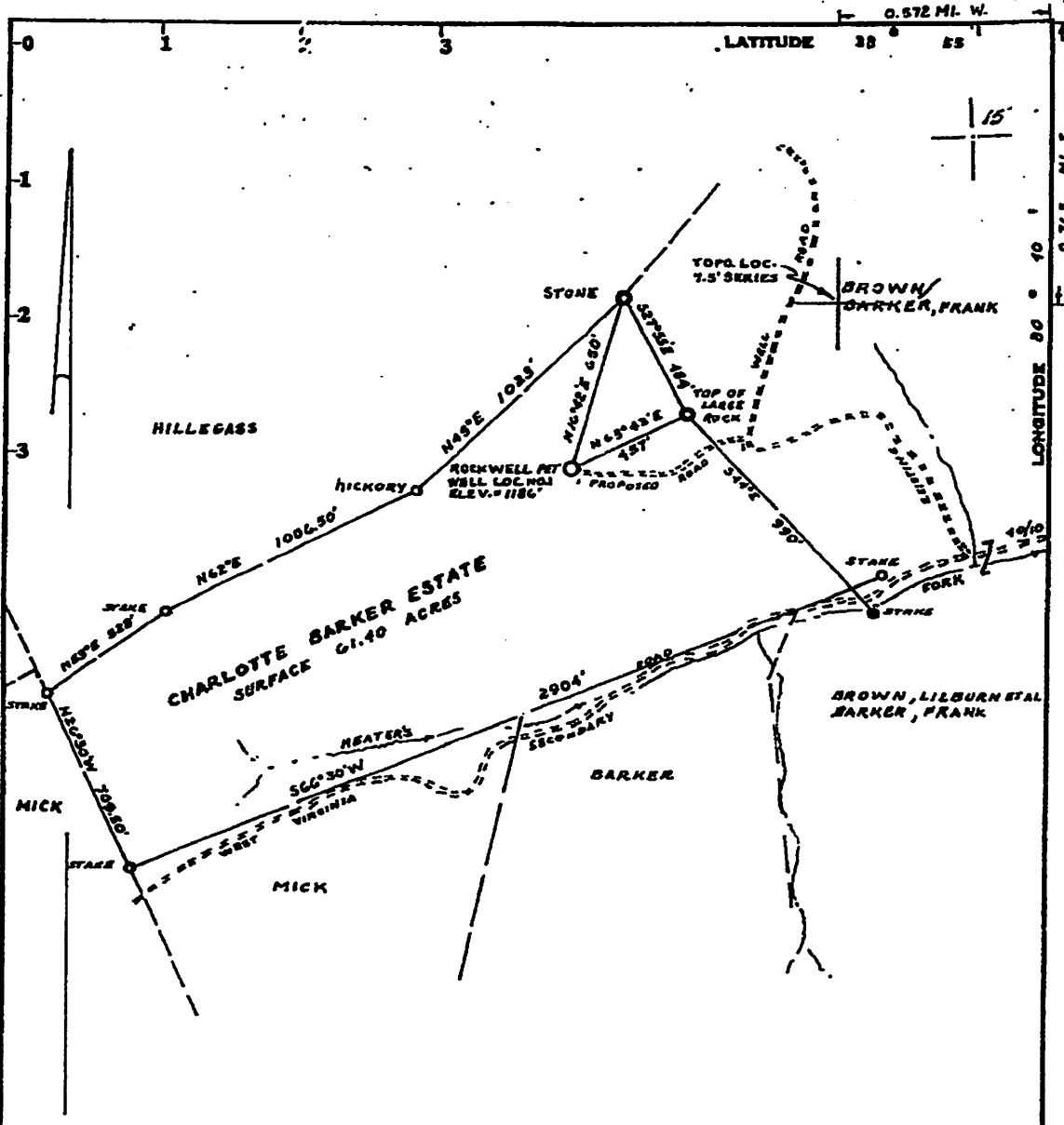
(over)

12/02/2016

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand			1070	1110		
Slate			1110	1130		
Sand			1130	1220		1768 O/W
Shale			1220	1285		
Sand			1285	1320		
Slate			1320	1330		
Lime			1330	1350		
Slate			1350	1370		
Lime			1370	1380		
Sand			1380	1425		
Slate			1425	1540		
Sandy lime			1540	1580		
Slate			1580	1590		
Sand			1590	1610		
Slate			1610	1620		
Sand			1620	1650		
Slate			1650	1710		
Sand			1710	1730		
Slate			1730	1790		
Sandy shale			1790	1870		Log Tops
Sand			1870	1960		
Slate			1960	1982		
Lime			1982	1990		
Slate			1990	2000		
Blue Monday (sand)			2000	2055		
Lime (Big lime)			2055	2100		
Big Injun			2100	2250		Show of Gas 2225 to 2240
Shale			2250	2309		T. D.

Date April 13 19 78
 APPROVED [Signature] Owner
 By Partner (Title)

10/21/77



Minimum Error of Closure ONE PART IN 200

Source of Elevation JUNCTION OF ROAD EAD'S SOUTHWEST

FROM LOCATION ELEVATION = 1088'

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.

- Fracture
- New Location
- Drill Deeper
- Abandonment

Map No. _____ Signed: Mark C. Echard
 Squares: N S E W

Company ROCKWELL PETROLEUM COMPANY
 dba Ro-Jo Ltd
 Address EQ ROAD, SAND FORK, W.VA. 26410
 Farm CHARLOTTE BARKER ESTATE, Evelyn Peters
 Tract _____ Acres 61.40 Lease No. _____
 Well (Farm) No. ONE Serial No. _____
 Elevation (Spirit Level) 1186'
 Quadrangle GILMER T.S., Burnsville 15'
 County GILMER District GLENNVILLE
 Surveyor MARK C. ECHARD
 Surveyor's Registration No. 490
 File No. _____ Drawing No. _____
 Date OCTOBER 31, 1977 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. GIL-2938

+ Denotes location of well on United States Topographic Maps, scale 1 to 25,000, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

47-021

2.375' Rio T. run

WW-4A
Revised 6-07

1) Date: 8/23/16
2) Operator's Well Number
Evelyn Peters #1(Barker est)
3) API Well No.: 47 - 021-02938

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: (a) Name Joshua Cosner, 1555 Long Shoal Rd. Address Burnsville WV26335
(b) Name _____ Address _____
(c) Name _____ Address _____
5) (a) Coal Operator Name None Address _____
(b) Coal Owner(s) with Declaration Name _____ Address _____ P.O. _____
6) Inspector Danny Mullins Address 124 Bid Trace Fork Rd. Harts WV 25524 Telephone 304 932 6844
(c) Coal Lessee with Declaration 220 Jack Acres Rd. Buckhannon, WV 26201

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

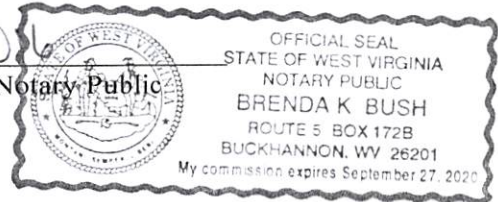
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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 Ross and Wharton Gas Company, INC.
By: Mike Ross
Its: Owner
Address RT 5, Box 29, Buckhannon, WV 26201
Telephone 304 472 4289

Subscribed and sworn before me this 14 day of October 2016
Sept 27 2020 Brenda K Bush



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.

STATE OF WEST VIRGINIA DEPARTMENT OF
ENVIRONMENTAL PROTECTION OFFICE OF OIL
AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Ross and Wharton Gas
Company

OP Code 305680

Watershed (HUC 10) Secondary Fork Quadrangle Glenville

Elevation 1186 County Gilmer District Glenville

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes _____ No X

Will a pit be used for drill cuttings? Yes _____ No X

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes _____ No X If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

ANY WELL EFFLUENT MUST BE CONTAINED
IN TANKS AND DISPOSED OF PROPERLY.
NO LAND APPLICATION.

- _____ Land Application
- _____ Underground Injection (UIC Permit Number _____)
- _____ Reuse (at API Number _____)
- _____ Off Site Disposal (Supply form WW-9 for disposal location)

X Other (Explain no fluids are expected in return no pit all if any fluids captured and properly disposed)

Will closed loop system be used? _____

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. _____

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? No pit

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 Mike Ross

Company Official (Typed Name) Mike Ross

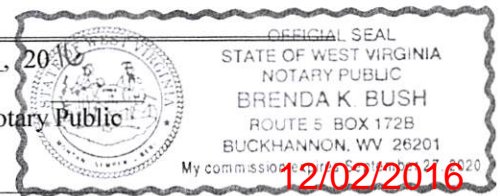
Company Official Title C.O.B.

Subscribed and sworn before me this 14 day of October, 2016

Brenda K Bush

Notary Public

My commission expires September 27, 2020



Proposed Revegetation Treatment: Acres Disturbed 0.5 Prevegetation Ph 6.0

Lime 2Tons/acre or to correct to pH

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

DM

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
KENTUCKY FESCUE	40	SAME	
ALSIKE CLOVER	5		
ANNUAL RYE	16		

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

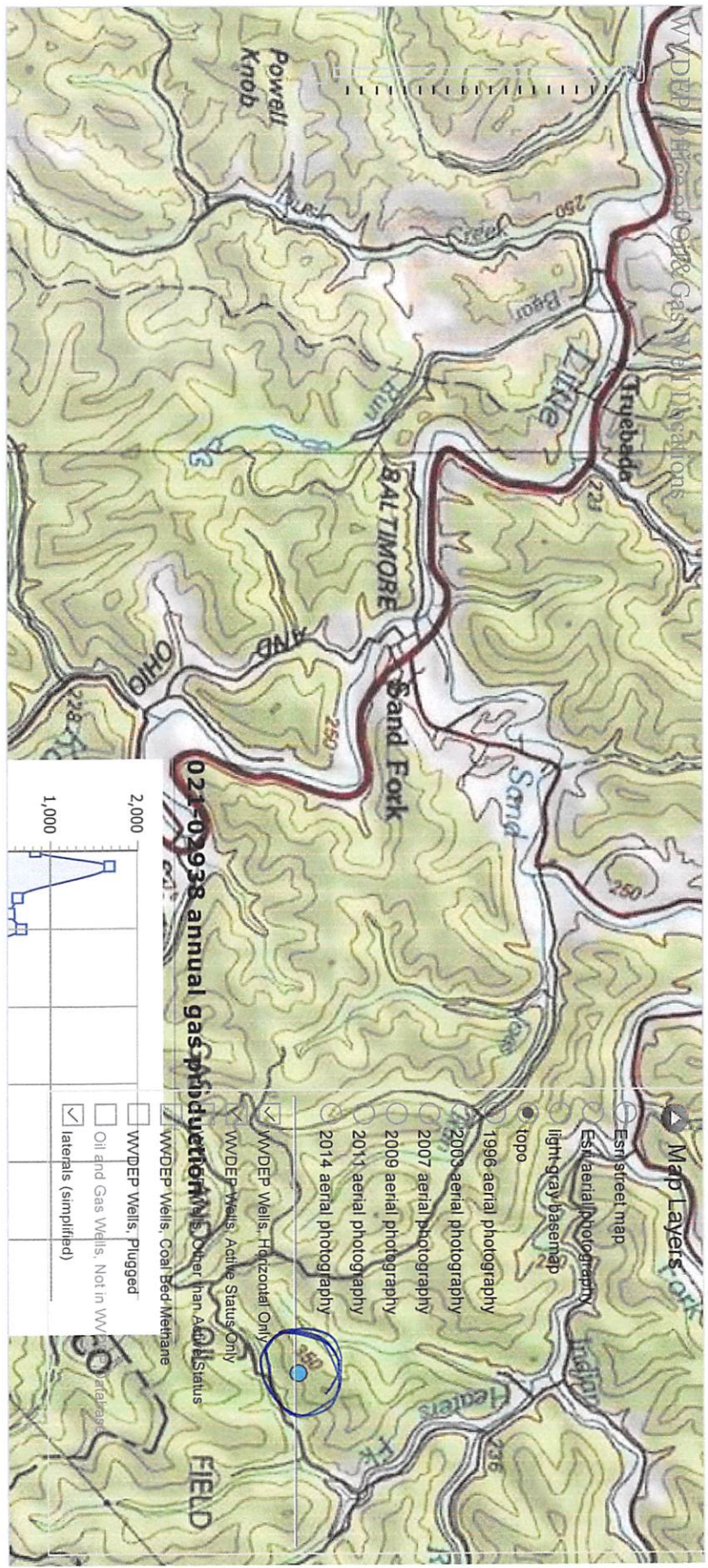
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Comments: _____

Title: _____ Date: _____

Field Reviewed? () Yes () No



#	API	Permit Type	Issued	Operator	Well Status	Well Type	Well Use	Well Num
1	021-02938	Other Well	1978-2-28	ROSS AND WHARTON GAS COMPANY, INC.	Abandoned Well	Vertical	Gas Production	1

[Attribute Search](#)
[Result Table](#)
[Location Search](#)
[Legend](#)
[About](#)

2102938P

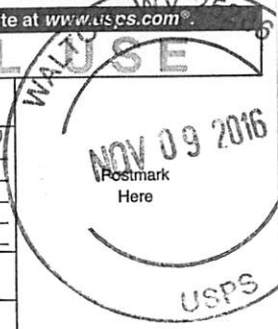
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U.S. Postal Service™
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Domestic Mail Only

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

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<input type="checkbox"/> Return Receipt (hardcopy)	\$
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<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$



Sent To	JOSHUA COSNER
Street and Apt. No., or PO Box No.	1555 Long Shoal Rd
City, State, ZIP+4®	Burnsville, WV 26335

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

12/02/2016