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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Friday, May 20, 2022

WELL WORK PLUGGING PERMIT  
Vertical Plugging

ROSS AND WHARTON GAS COMPANY, INC.  
354 MORTON AVE.  
BUCKHANNON, WV 26201

Re: Permit approval for 1  
47-097-01108-00-00

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.

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. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: 1  
Farm Name: UNDERWOOD, R. M.  
U.S. WELL NUMBER: 47-097-01108-00-00  
Vertical Plugging  
Date Issued: 5/20/2022

Promoting a healthy environment.

05/20/2022

## 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

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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.

1) Date March 28, 2022  
2) Operator's  
Well No. R.M. Underwood #1  
3) API Well No. 47-222 - 2108

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

5) Location: Elevation 1662' Watershed French Creek  
District Meade County Upshur Quadrangle Adrain

6) Well Operator Ross & Wharton Gas Co. 7) Designated Agent Mike Ross  
Address P.O. Box 219 Address P.O. Box 219  
Coalton, WV 26257 Coalton, WV 26257

8) Oil and Gas Inspector to be notified  
Name Sam Ward 9) Plugging Contractor  
Address P.O. Box 2327 Name N/A  
Buckhannon, WV 26201 Address \_\_\_\_\_

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

- 1 Free point and recover casing's & tubular's, 6% Gel between plug's
- 2 Set cement plug 4150' to TD (4319') 100' above top perf
- 3 Set 100' cement plug across casing cut  $\approx 3000'$
- 4 Set 100' cement plug 2400' to 2500' (5th Sand) WATER
5. SET 565' CEMENT PLUG FROM 1435' TO 1500' (WATER, GAS & 5/8" CASING)
6. FACE POINT 3/4" CASING, CUT & REMOVE. SET 100' CEMENT PLUG ACROSS CASING CUT.
7. Set 100' cement plug 700' to 800' (10" casing plug, freshwater protection plug)
8. SET 100' CEMENT PLUG FROM 400' - 300' (COAL)
9. Set surface plug 100' to 0', Tag plug's as necessary, Set monument with API number

*JWM*

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WV Department 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 *[Signature]* Date 4/6/2022

47097011089



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle  
Permit No. **UPS-1108**

**WELL RECORD**

Oil or Gas Well  **Gas**  
(GND)

Company **Troy A. Brady, Jr. /dba Talkington-Brady, Inc.**  
Address **Buckhannon, W. Virginia 26201**  
Name **R. M. Underwood** Acres **87**  
Location (water) **French Creek**  
Well No. **1** Elev. **1662'**  
District **Meade** County **Upshur**  
The surface of tract is owned in fee by **R. M. Underwood**  
**Frenchton** Address **W. Virginia**  
Mineral rights are owned by **Same**  
Address  
Drilling commenced **June 20, 1963**  
Drilling completed **Aug. 26, 1963**  
Date Shot From To  
With  
Open flow **30** /10ths Water in **0** /10ths Merc. in  
Volume  
Rock Pressure **950** lbs. **72** Cu. Ft.  
WELL ACIDIZED (DETAILS)  
WELL FRACTURED (DETAILS) **Dowell 9/12/68** **1000 bbl water** **58000 lbs sand**  
**250 gal acid** **154,000 cu ft Nitrogen**

Size	Used in Drilling	Left in Well	Packets
16	26	0	Kind of Packet
13			
10	730	0	Size of
8 1/4	1558	1558	
6 3/8			Depth set
5 3/16			
4 1/4		4305	
3			Perf. top <b>4255</b>
2			Perf. bottom <b>4268</b>
			Perf. top
			Perf. bottom

Attach copy of cementing record.  
CASING CEMENTED **4 1/2** SIZE **4305** No. **FL 8/24/68** Date  
Amount of cement used (bags) **125**  
Name of Service Co. **Lawson**  
COAL WAS ENCOUNTERED AT **356** FEET **INCHES**  
**FEET** **INCHES** **FEET** **INCHES**  
**FEET** **INCHES** **FEET** **INCHES**

ESULT AFTER TREATMENT (Initial open flow or bbls.)  
ROCK PRESSURE AFTER TREATMENT **950** HOURS **72**  
Fresh Water **500** Feet **1885'** Salt Water  
Producing Sand **Benson, 4255-68 ft.** Depth **T. D. 4319 ft**

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			00	10			
Red Rock			10	35			
Slate			35	97			
Red Rock			97	110			
White Slate			110	170			
Red Rock			170	176			
Slate			176	190			
Lime			190	210			
Sand			210	230			
Black Slate			230	283			
Lime			283	356			
Coal			356	360			
Lime			360	464			
Slate			464	485			
Sand			485	508			
Lime			508	520			
Sand			520	612			
Slate			612	625			
Lime			625	640			
Sand			640	701			
Lime			701	731			
Sand			731	755			
Slate			755	790			
Lime			790	805			
Sand			805	835			

*SDW*  
*4/6/2022*

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MAR 02 1969  
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05/20/2022

4709701108P

Formation	Color	Hard or Soft	Top 1/2	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			895	900			
Sand			900	1100			
Slate			1100	1120			
Sand			1120	1130			
Slate			1130	1300			
Sand			1300	1330			
Red Rock			1350	1380			
Sand			1380	1400			
Lime			1400	1430			
Red Rock			1430	1491			
Sand			1491	1494			
Lime (little)			1494	1535			
Red Rock			1535	1550			
Sand			1550	1600			
Lime (big)			1600	1635			
Sand			1635	1731			
Lime			1731	1771			
Sand			1771	1870	Water	1886'	
Red Rock			1870	2050	Water	1898'	
Sand			2050	2055	Gas	1973'	
Lime			2055	2058			
Sand			2058	2127			
Red Rock			2127	2134			
Lime			2134	2140			
Slate & Sand			2140	2160			
Sand			2160	2205			
Slate			2205	2264			
Sand			2264	2350			
Slate			2350	2427	Water		
Sand			2427	4245			
Slate			4245	4300			
Slate			4300	4310			

S DW  
4/6/2022

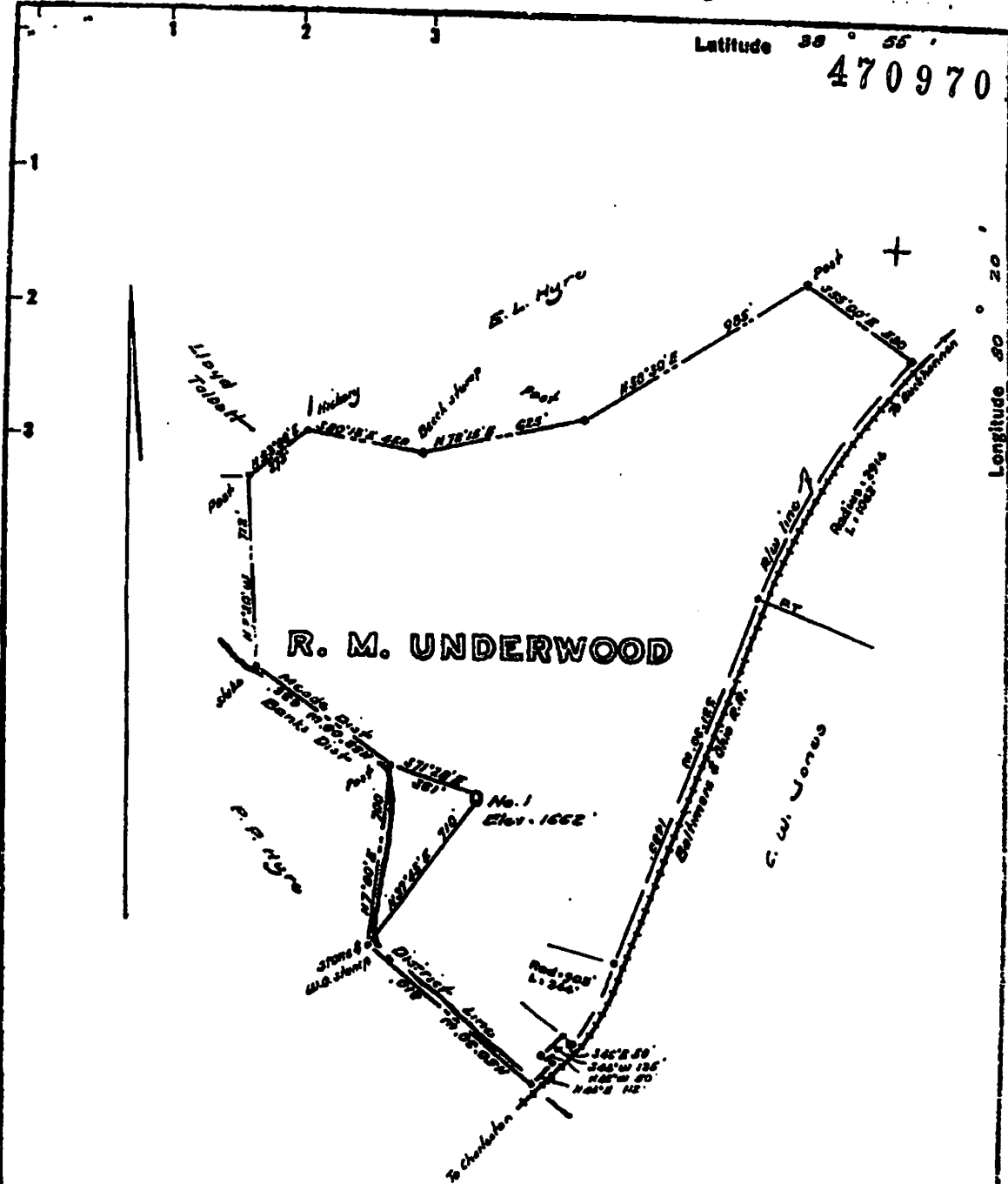
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Environmental Protection

Date \_\_\_\_\_, 19\_\_\_\_  
APPROVED \_\_\_\_\_, Owner  
By \_\_\_\_\_ (Title)

05/20/2022



Latitude 38° 55' 47.0970 Longitude 80° 20' 10.8P

Fracture Before 6/5/29   
 New Location   
 Drill Deeper   
 Redrill   
 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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.  
 The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.  
 PROVEN ELEVATION 1652

Company Troy A. Brady, Jr.  
 Address Burkhaman, West Va.  
 Farm R. M. Underwood  
 Tract \_\_\_\_\_ Acres 81.06 Lease No. \_\_\_\_\_  
 Well (Farm) No. Orsa Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1652  
 Quadrangle Crawford  
 County Upshur District Meadow  
 Engin. W. H. Jones  
 Engin. Registration No. 1237  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date May 12, 1968 Scale 1" = 500'

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

WELL LOCATION MAP  
 FILE NO. UGA 1108

+ 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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 APR 11 2022  
 WV Department of Environmental Protection

05/20/2022

1) Date: March 28, 2022  
2) Operator's Well Number  
R.M. Underwood #1

3) API Well No.: 47 - 097 - 01108

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

<b>4) Surface Owner(s) to be served:</b>	<b>5) (a) Coal Operator</b>
(a) Name <u>Stephen &amp; Sherri Butler</u>	Name <u>N/A</u>
Address <u>1957 Freeman,s Rd</u>	Address _____
<u>French Creek, WV 26 8</u>	_____
(b) Name _____	<b>(b) Coal Owner(s) with Declaration</b>
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
<b>6) Inspector</b> <u>Sam Ward</u>	<b>(c) Coal Lessee with Declaration</b>
Address <u>P.O. Box 2327</u>	Name <u>N/A</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>1-304-389-7583</u>	_____

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

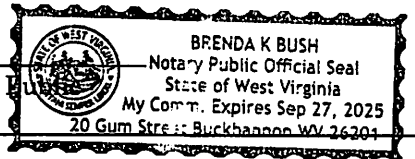
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the 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	<u>Ross &amp; Wharton Gas Co.</u>	<b>RECEIVED</b> Office of Oil and Gas  <b>APR 11 2022</b>  WV Department of Environmental Protection
By:	<u>[Signature]</u>	
Its:	<u>President</u>	
Address	<u>P.O. Box 219</u>	
Telephone	<u>1-304-472-4289</u>	
	<u>Coalton, WV 26257</u>	

Subscribed and sworn before me this 4<sup>th</sup> day of April, 2022  
Brenda K Bush Notary Public



**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 [depprivacyoffier@wv.gov](mailto:depprivacyoffier@wv.gov).



7020 1810 0001 7331 2435

Underwood #1 47-0917-01108  
Underwood #2 47-0917-01121



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Stephen & Sherri Butler  
1957 Freeman's Road  
French Creek WV 26218



9590 9402 7153 1251 0797 06

2. Article Number (Transfer from service label)

7020 1810 0001 7331 2435

PS Form 3811, July 2020 PSN 7530-02-000-9063

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
**X**  Addressee

B. Received by (Printed Name)  G. Date of Delivery

D. Is delivery address different from item 1?  Yes  
If YES, enter delivery address below:  No

E. Service Type  
 Adult Signature Restricted Delivery  
 Adult Signature Restricted Delivery  
 Certified Mail®  
 Certified Mail Restricted Delivery  
 Collect on Delivery  
 Insured Mail  
 Insured Mail Restricted Delivery (over \$500)

F. Signature Confirmation™  
 Signature Confirmation Restricted Delivery  
 Registered Mail™  
 Registered Mail Restricted Delivery  
 Signature Confirmation Restricted Delivery

Domestic Return Receipt

**MIKE ROSS, INC.**

**MIKE ROSS, INC.**  
Post Office Box 219  
Coalton, WV 26257

304-472-4289 • Fax 304-472-7405

TO:

Stephen & Sherri Butler  
1957 Freeman Road  
French Creek WV 26218

4709701108P

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Certified Mail Fee \$ 3.55 April 4, 2022

Extra Services & Fees (check box, add fee if applicable)  
 Return Receipt (hardcopy) \$ 2.85  
 Return Receipt (electronic) \$  
 Certified Mail Restricted Delivery \$  
 Adult Signature Required \$  
 Adult Signature Restricted Delivery \$  
 Postage \$ 1.94  
 Total Postage and Fees \$ 8.36

Sent To: Stephen & Sherri Butler  
 Street and Apt. No., or PO Box No.: 1957 Freeman Road  
 City, State, ZIP+4®: French Creek WV 26218

PS Form 3810, April 2015 PSN 7530-02-000-9063 See Reverse for Instructions

7020 1810 0001 7331 2435

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WV Department of  
Environmental Protection

05/20/2022



**SURFACE OWNER WAIVER**

4709701108P

Operator's Well  
Number

47-097-01108 R.M. Underwood #1

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A**

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

**WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

**Time Limits and methods for filing comments.** The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

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WV Department of  
Environmental Protection

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON  
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name _____
Signature		By _____
		Its _____
		Date _____

Signature

Date 05/20/2022

WW-9  
(5/16)

4709701108P

API Number 47 - 097 - 01108  
Operator's Well No. \_\_\_\_\_

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Ross & Wharton Gas Co. OP Code 306580  
Watershed (HUC 10) French Creek Quadrangle Adrain

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

Will a pit be used? Yes  No

*ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS BEFORE DISPOSING OFF-SITE.*

If so, please describe anticipated pit waste: \_\_\_\_\_

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_)
- Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_)

*SDW 4/6/2022*

Will closed loop system be used? If so, describe: \_\_\_\_\_

Drilling medium anticipated for this well (vertical and horizontal)? 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? \_\_\_\_\_

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, 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 President

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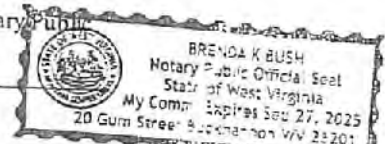
WV Department of  
Environmental Protection

Subscribed and sworn before me this 4<sup>th</sup> day of April, 2022

*Brenda K Bush*

Notary Public

My commission expires September 27, 2022



05/20/2022

Operator's Well No. \_\_\_\_\_

Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch Hay Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Fescue	30	Fescue	30
Contractor's Mix		Contractor's Mix	

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: S. D. Warrick

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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APR 11 2022

Title: President COG Inspector

Date: 4/6/2022

WV Department of  
Environmental Protection

Field Reviewed?  Yes  No

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

Operator Name: Ross & Wharton Gas Co.  
Watershed (HUC 10): French Creek Quad: Adrain  
Farm Name: \_\_\_\_\_

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

N/A

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

N/A

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

French Creek

4. Summarize all activities at your facility that are already regulated for groundwater protection.

N/A

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Environmental Protection

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

N/A

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

No material will be used

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

N/A

8. Provide provisions and frequency for inspections of all GPP elements and equipment.

N/A

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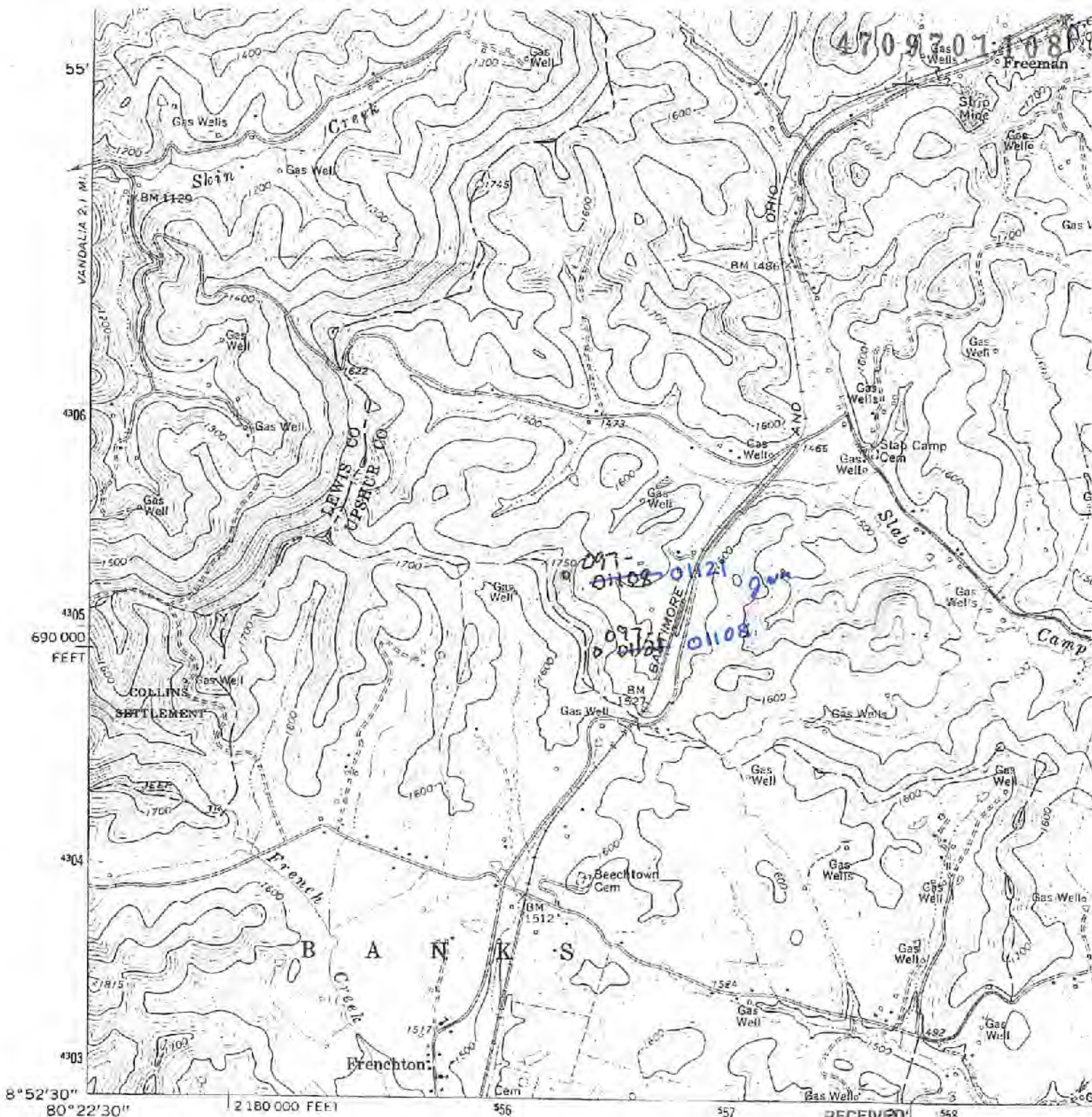
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WV Department of  
Environmental Protection

Signature: Wike Ross

Date: April 4, 2022

05/20/2022



Mapped, edited, and published by the Geological Survey  
 Control by USGS and USC&GS  
 Topography by photogrammetric methods from aerial photographs  
 taken 1963. Field checked 1966  
 Polyconic projection. 1927 North American datum  
 10,000-foot grid based on West Virginia coordinate system, south zone  
 1000-meter (Universal Transverse Mercator) grid ticks, zone 17,  
 shown in blue  
 Fine red dashed lines indicate selected fence and field lines where  
 generally visible on aerial photographs. This information is unchecked  
 Revisions shown in purple and woodland compiled  
 from aerial photographs taken 1976 and other source data  
 This information not field checked. Map edited 1979

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WV Department of  
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5° 59' 26" MN  
 89 MILES  
 GN  
 8 MILES

UIM GRID AND 1979 MAGNETIC NORTH  
 DECLINATION AT CENTER OF SHEET

1000

THIS FOR  
 05/20/2022 FOLDER D

WW-7  
8-30-06



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

API: 47-097-01108 WELL NO.: 1

FARM NAME: R.M. Underwood

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Upshur DISTRICT: Meade

QUADRANGLE: Adrain

SURFACE OWNER: Stephen & Sherri Butler

ROYALTY OWNER: \_\_\_\_\_

UTM GPS NORTHING: ~~43051.426~~ 4305193

UTM GPS EASTING: ~~55647.88~~ 556479 GPS ELEVATION: 1662'

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.

*Mike Ross*

Signature

President

Title

April 4, 2022

Date

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WV Department of  
Environmental Protection

05/20/2022

**Natalie Reeder**

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**From:** Natalie Reeder  
**Sent:** Thursday, April 7, 2022 4:15 PM  
**To:** 'Stansberry, Wade A'  
**Subject:** R. M. Underwood #1  
**Attachments:** SKM\_224e19031121170.pdf

Mr. Stansberry,

Attached you will find a plugging application for the R. M. Underwood #1 well, API #47-097-01108, located in Upshur county.

I will put the hardcopy in the mail for you.

If you have any questions, please e-mail me or call me at 304-472-9611.

Thank you.

**From:** bizhub@citynet.net <bizhub@citynet.net>  
**Sent:** Monday, March 11, 2019 10:17 PM  
**To:** nreeder@mikerossinc.com  
**Subject:** Message from KM\_224e

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APR 11 2022

WV Department of  
Environmental Protection





Select County: (097) Upshur  Select datatypes:  (Check All)

Enter Permit #: 01108

Location       Production       Plugging  
 Owner/Completion       Stratigraphy       Sample  
 Pay/Show/Water       Logs       Btm Hole Loc

[Table Descriptions](#)  
[County Code Translations](#)  
[Permit-Numbering Series](#)  
[Usage Notes](#)  
[Contact Information](#)  
[Disclaimer](#)  
[WVGES Main](#)  
["Pipeline-Plus" New](#)

WV Geological & Economic Survey:

Well: County = 97 Permit = 01108

Report Time: Friday, May 20, 2022 9:18:27 AM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4709701108	Upshur	1108	Meade	Adrian	Crawford	38.893344	-80.348737	556478.8	4305142.6

There is no Bottom Hole Location data for this well

Owner Information:

API	CMP_DT	SUFFIX	STATUS	SURFACE_OWNER	WELL_NUM	CO_NUM	LEASE	LEASE_NUM	MINERAL_OWN	OPERATOR_AT_COMPLETION	PROP_VD	PROP_TRGT.
4709701108	8/-/1968	Original Loc	Completed	R M Underwood 1						Talkington, B. E., & Brady, Troy, Inc.		

Completion Information:

API	CMP_DT	SPUD_DT	ELEV	DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FTG
4709701108	8/-/1968	-/-	1662	Ground Level	Abbt-Frnch Ck	Benson	Benson	Development Well	Development Well	Gas	unknown	Fractured	4319		4319

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4709701108	8/-/1968	Water	Fresh Water	Vertical			500						0
4709701108	8/-/1968	Water	Fresh Water	Vertical			1885						0
4709701108	8/-/1968	Water	Unknown Water	Vertical			1968						0
4709701108	8/-/1968	Pay	Gas	Vertical			4268	Benson	0	0			

Production Gas Information: (Volumes in Mcf)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709701108	Ross & Wharton Gas Co., Inc.	1981	1,871	172	188	117	156	157	165	159	153	166	122	150	166
4709701108	Ross & Wharton Gas Co., Inc.	1982	1,322	126	67	12	38	88	99	251	208	180	112	98	43
4709701108	Ross & Wharton Gas Co., Inc.	1983	944	43	69	82	53	92	115	107	122	61	43	52	105
4709701108	Ross & Wharton Gas Co., Inc.	1984	956	69	82	53	92	115	107	122	61	43	52	105	81
4709701108	Ross & Wharton Gas Co., Inc.	1985	1,314	86	93	63	120	112	114	142	86	129	136	125	108
4709701108	Ross & Wharton Gas Co., Inc.	1986	1,079	51	43	41	70	63	121	144	146	119	108	84	89
4709701108	Ross & Wharton Gas Co., Inc.	1987	931	88	69	59	76	78	95	88	55	94	89	64	76
4709701108	Ross & Wharton Gas Co., Inc.	1988	1,427	73	58	58	62	56	69	269	204	180	112	154	132
4709701108	Ross & Wharton Gas Co., Inc.	1989	786	124	109	96	93	58	26	45	50	42	40	57	46
4709701108	Ross & Wharton Gas Co., Inc.	1990	2,151	0	0	11	372	122	103	405	320	154	68	272	324
4709701108	Ross & Wharton Gas Co., Inc.	1991	2,020	278	239	188	191	180	159	107	235	224	149	65	5
4709701108	Ross & Wharton Gas Co., Inc.	1992	421	65	5	32	28	91	72	82	43	3	0	0	0
4709701108	Ross & Wharton Gas Co., Inc.	1993	4						4						
4709701108	Ross & Wharton Gas Co., Inc.	1994													
4709701108	Ross & Wharton Gas Co., Inc.	1995	492			140			127			145			80
4709701108	Ross & Wharton Gas Co., Inc.	1996	293	33	21	15	13	20	40	43	33	18	5	45	7
4709701108	Ross & Wharton Gas Co., Inc.	1997	241	125						116					
4709701108	Ross & Wharton Gas Co., Inc.	1998	46	34	0	0	12	0	0	0	0	0	0	0	0
4709701108	Ross & Wharton Gas Co., Inc.	1999	0	0	0	0	0	0	0	0	0	0	0	0	0
4709701108	Ross & Wharton Gas Co., Inc.	2000	640	0	0	141	0	0	0	0	0	0	0	0	499
4709701108	Ross & Wharton Gas Co., Inc.	2001	817	0	0	0	0	0	0	0	0	0	0	0	817
4709701108	Ross & Wharton Gas Co., Inc.	2002	1,259	0	0	0	0	0	0	0	0	0	0	0	1,259

47-097-01108P



47-087-01108 P

4709701108	Ross & Wharton Gas Co., Inc.	2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4709701108	Ross & Wharton Gas Co., Inc.	2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4709701108	Ross & Wharton Gas Co., Inc.	2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4709701108	Ross & Wharton Gas Co., Inc.	2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Water Information: (Volumes in Gallons)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709701108	Ross & Wharton Gas Co., Inc.	2016	0												
4709701108	Ross & Wharton Gas Co., Inc.	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4709701108	Ross & Wharton Gas Co., Inc.	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4709701108	Ross & Wharton Gas Co., Inc.	2020	0	0	0	0	0	0	0	0	0	0	0	0	0

Stratigraphy Information:

API	SUFFIX	FM	FM_QUALITY	DEPTH_TOP	DEPTH_QUALITY	THICKNESS	THICKNESS_QUALITY	ELEV	DATUM
4709701108	Original Loc	unidentified coal	Well Record	356	Reasonable	4	Reasonable	1662	Ground Level
4709701108	Original Loc	Little Lime	Well Record	1555	Reasonable	40	Reasonable	1662	Ground Level
4709701108	Original Loc	Greenbrier Group	Past WVGES Staff Geologist	1635	Reasonable	0	Reasonable	1662	Ground Level
4709701108	Original Loc	Big Lime	Well Record	1635	Reasonable	96	Reasonable	1662	Ground Level
4709701108	Original Loc	Benson	Well Record	4245	Reasonable	18	Reasonable	1662	Ground Level

There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

There is no Sample data for this well



Stansberry, Wade A <wade.a.stansberry@wv.gov>

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## Plugging Vertical Well Work Permits API: (47-097-01108 & 47-097-01121)

1 message

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**Stansberry, Wade A** <wade.a.stansberry@wv.gov>

Fri, May 20, 2022 at 10:04 AM

To: Natalie Reeder <nreeder@mikerossinc.com>, dwzickefoose@upshurcounty.org, "Ward, Samuel D" <samuel.d.ward@wv.gov>

I have attached a copy of the newly issued well [permit](#) numbers:

**47-097-01108 - 1**

**47-097-01121 - 2**

These will serve as your copy.

Thank you,

**Wade A. Stansberry**

**Environmental Resource Specialist 3**

**West Virginia Department of Environmental Protection**

**Office of Oil & Gas**

**601 57th St. SE**

**Charleston, WV 25304**


**(304) 926-0499 ext. 41115**


**(304) 926-0452 fax**

**[Wade.A.Stansberry@wv.gov](mailto:Wade.A.Stansberry@wv.gov)**

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### 4 attachments

 **47-097-01121 - Copy.pdf**  
998K

 **47-097-01108 - Copy.pdf**  
1361K

 **IR-8 Blank.pdf**  
237K

 **IR-8 Blank.pdf**  
237K

05/20/2022