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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)

Monday, March 22, 2021  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

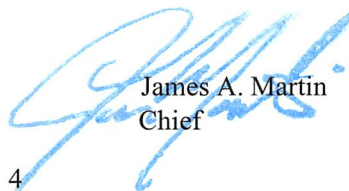
ROSS AND WHARTON GAS COMPANY, INC.  
RT. 5, BOX 29  
BUCKHANNON, WV 26201

Re: Permit approval for 4  
47-021-01338-00-00

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: 4  
Farm Name: WILCOX, ICY M.  
U.S. WELL NUMBER: 47-021-01338-00-00  
Vertical Plugging  
Date Issued: 3/22/2021

## 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.

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### 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.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

- 1) Date February 25, 2021
- 2) Operator's Well No. Icy Wilcox #4
- 3) API Well No. 47-021 - 01338

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 \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow X
- 5) Location: Elevation 970' Watershed Fink Creek  
District Troy County Gilmer Quadrangle Vadis
- 6) Well Operator Ross & Wharton Gas Co. Inc. 7) Designated Agent Mike Ross  
Address 354 Morton Ave. Address P.O. Box 219  
Buckhannon, WV 26201 Coalton, WV 26257
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Danny Mullins Deren Haight Name N/A  
Address ~~220 Jack Acres Rd.~~ PO Box 85 Address \_\_\_\_\_  
Buckhannon, WV 26201 Smithville, WV 26178

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

- Free point and recover casing's & tubular's, 6% Gel between plug's
- Set cement plug 1700' to TD (1885') 100' above top perf
- Set 100' cement plug across casing cut
- Set 100' cement plug 900' to 1000' (8" casing plug, salt bearing strata)(elevation plug
- Set cement plug 400' to 500' gas & water show
- Set cement plug 200' to 300' (10" casing plug, freshwater protection plug)
- Set surface plug 100' to 0', Tag plug's as necessary, Set monument with API number

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

Work order approved by inspector  Date 3-11-21



4702101338P

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

Quadrangle Vadis - SW 1/4

Permit No. GIL 1338

WELL RECORD

Oil or Gas Well Oil  
(KIND)

Company William C. Hurtt  
Address 1801 Grant Bldg., Pgh. 19, Pa.  
Farm Icy Wilcox Acres 60  
Location (waters) Fink Creek  
Well No. 4 Elev. 970  
District Troy County Gilmer  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced March 28, 1962  
Drilling completed April 20, 1962  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 5 m Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil 5 bbl. bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_

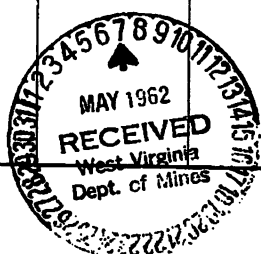
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
18	<u>11 1/2</u>	<u>11 1/2</u>	Kind of Packer
13			
10	<u>270</u>	<u>270</u>	Size of
8 3/4	<u>779</u>		
6 3/4			Depth set
5 3/16	<u>1889</u>	<u>1889</u>	
3			<u>11</u> Perf. <u>top 1803-1806</u>
2			<u>9</u> Perf. <u>base 1813-1816</u>
Liners Used			<u>12</u> Perf. <u>top 1824-1828</u>
			<u>6</u> Perf. <u>base 1832-1834</u>

CASING CEMENTED 5 1/2 SIZE - No. Ft. 4/20/62 Date  
Top of cement 1600', 40 bags cement  
LAWSON 10 bags Aquagel  
COAL WAS ENCOUNTERED AT 180 FEET 36 INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

WELL FRACTURED Dowell - 3 Allison - 25,000# 20-40 sand; 10,000# 10-20 sand;  
700 bbl. oil; breakdown 1800# injected at 1900# 40 bbl. per minute  
RESULT AFTER TREATMENT 410 bbl - 6 hr.  
ROCK PRESSURE AFTER TREATMENT 610# 24 hr. Fresh  
Fresh Water 50' Feet 2 BPH 470 Feet 11 BPH

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
<b>GAMMA RAY - NEUTRON AND SAMPLE ANALYSIS</b>							
Little Lime			1630	1665			
Blue Monday			1668	1673			
Pencil Cave			1673	1686			
Big Lime			1686	1774			
Big Injun			1774	1843	Oil	1799-1843 Average porosity 19%	
Total Depth				1888			
<b>DRILLER'S LOG</b>							
Yellow Clay			0	21			
Sand Stone			21	29			
Blue Mud			29	35			
Sand			35	75			
Slate & Shells			75	119			
Sand			119	130			
Slate & Shells			130	180			
Coal			180	183			
Slate & Shells			183	225			
Sand			225	270			
Red Rock			270	276			
Hard Sand			276	305			
Red Rock			305	320			
Slate & Shells			320	350			

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(over)

03/26/2021

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			350	381			
Slate			381	385			
Red Rock			385	405			
Slate & Lime Shells			405	425			
Red Rock			425	455			
Slate & Shells			455	470			
Sand			470	480	Gas	470	
Red Rock			480	493	Water	478	
Sand			493	498			
Black Slate			498	503			
Slate & Shells			503	545			
Red Rock			545	565			
Slate & Shells			565	654			
Hard Sand			654	737			
Slate			737	753			
Hard Lime			753	800			
Sand			800	855			
Slate & Lime			855	951			
Sand			951	1003			
B. Slate & Lime			1003	1020			
Sand & Lime			1020	1035			
Slate & Lime			1035	1140			
Sand			1140	1248			
Slate & Lime			1248	1310			
Hard Sand			1310	1390			
Slate & Lime			1390	1407			
Sand			1407	1454			
Slate & Shells			1454	1510			
Gritty Lime			1510	1557			
Red Rock & Shells			1557	1613			
Slate			1613	1621			
Lime Shells			1621	1633			
Lime			1633	1658			
Slate & Lime Shells			1658	1685			
Big Lime			1685	1796			
Injun Sand			1796	1844	Show of gas	1800	
Slate			1844		Show of oil	1800	
Total Depth				1885			

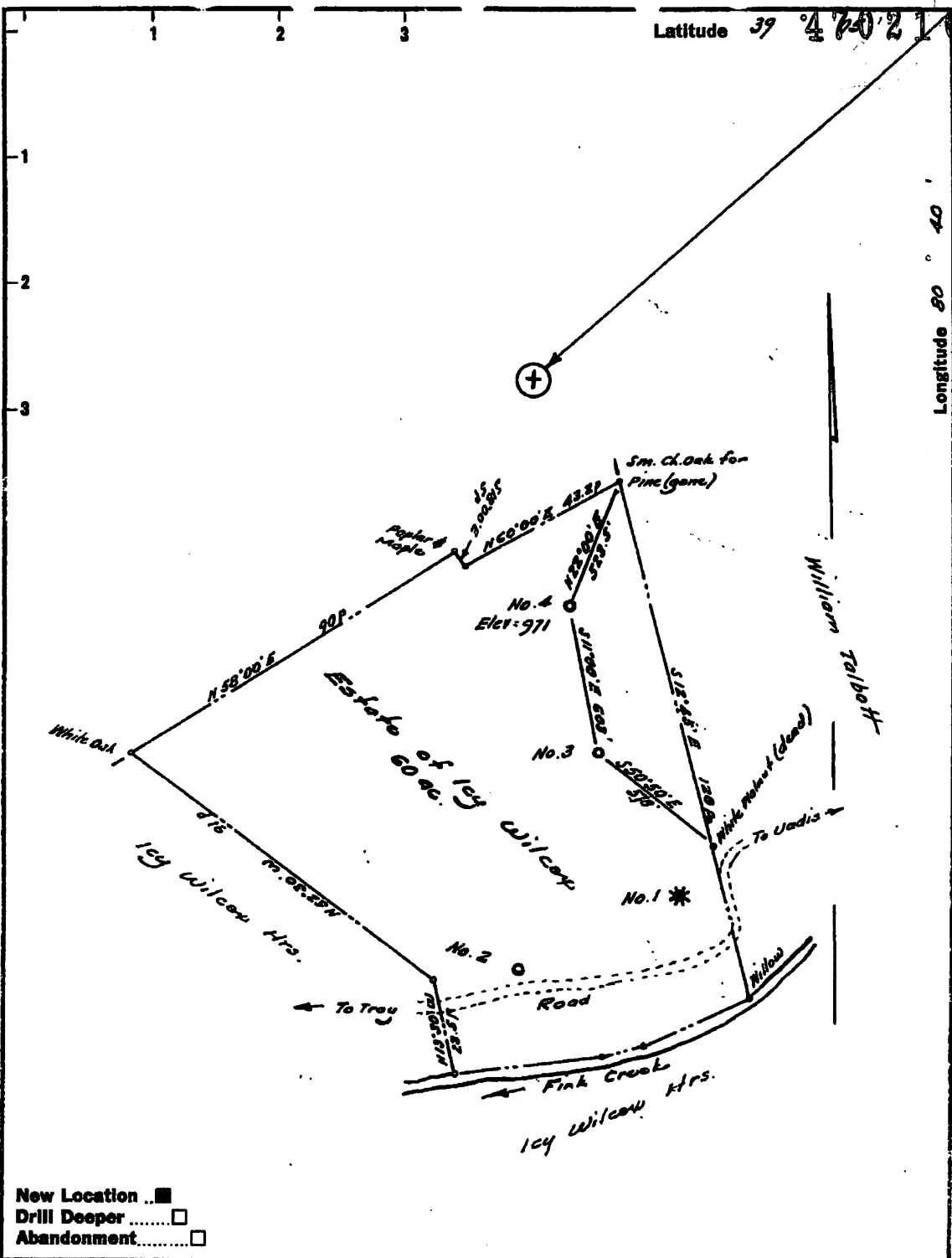
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Date May 4, 1962  
 APPROVED William O. Hoff, Owner  
 By \_\_\_\_\_ (Title)

Latitude 39 47 21 1338P



New Location   
 Drill Deeper   
 Abandonment

Company WILLIAM C. HURT  
 Address 1801 Grant Bldg, Pittsburgh, Penna.  
 Farm Estate of Icy Wilcox  
 Tract \_\_\_\_\_ Acres 60 Lease No. \_\_\_\_\_  
 Well (Farm) No. Four Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 971'  
 Quadrangle Vadis  
 County Gilmer District Tray  
 Engineer W. S. H. H. H.  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Sept. 1961 Scale 1" = 30P.

STATE OF WEST VIRGINIA RECEIVED  
 DEPARTMENT OF MINES Office of Oil and Gas  
 OIL AND GAS DIVISION  
 CHARLESTON  
 MAR 15 2021  
 WV Department of Environmental Protection

**WELL LOCATION MAP**  
 FILE NO. Gil - 1338

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

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



4702101338P

WW-4A  
Revised 6-07

1) Date: February 25, 2021  
2) Operator's Well Number  
Icy Wilcox #4

3) API Well No.: 47 - 021 - 01338

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

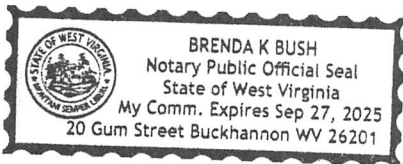
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Mike Ross Inc. &amp; I.L. Morris</u>	Name <u>N/A</u>
Address <u>c/o Mike Ross Inc. &amp; WACO Oil</u>	Address _____
<u>P.O. Box 219, Coalton, WV 26257</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Danny Mullins</u>	(c) Coal Lessee with Declaration
Address <u>220 Jack Acres Rd.</u>	Name <u>N/A</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>1-304-932-6844</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 Ross & Wharton Gas Co. Inc.  
 By: [Signature]  
 Its: President  
 Address 354 Morton Ave.  
Buckhannon, WV 26201  
 Telephone 1-304-472-4289

Subscribed and sworn before me this 8<sup>th</sup> day of March, 2021  
[Signature] Notary Public  
 My Commission Expires Sept. 27, 2025

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**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).

03/26/2021

**SURFACE OWNER WAIVER**

4702101338P

Operator's Well  
Number

47-021-01338 Icy Wilcox #4

**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..."

**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,



Signature

Date 03/08/21

Name

By

Its

Date

Signature

Date

03/26/2021

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WW-9  
(5/16)

4702101338P

API Number 47 - 021 - 01338  
Operator's Well No. Jay Wilcox #4

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

Operator Name Ross & Wharton Gas Co. Inc. OP Code 306580

Watershed (HUC 10) Fink Creek Quadrangle Vadis

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. gmm**

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 \_\_\_\_\_ )

**DAH  
2-11-21**

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 [Signature]  
Company Official (Typed Name) Mike Ross  
Company Official Title President

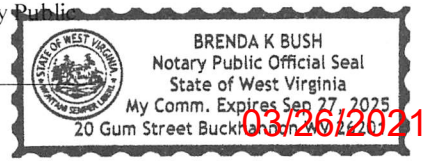
**MAR 15 2021**  
WV Department of Environmental Protection

Subscribed and sworn before me this 8<sup>th</sup> day of March, 20 201

[Signature]

Notary Public

My commission expires Sept. 27, 2025



Operator's Well No. Icy Wilcox #4  
47-021-01338

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: [Signature]

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Title: Oil + Gas Inspector Date: 3/11/21

Field Reviewed? (  ) Yes (  ) No

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WW-9- GPP  
Rev. 5/16

Page 1 of 2  
API Number 47 - 021 - 01338  
Operator's Well No. Jcy Wilcox #4

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

Operator Name: Ross & Wharton Gas Co. Inc.  
Watershed (HUC 10): Fink Creek Quad: Vadis  
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.

Fink Creek

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

N/A

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

03/26/2021

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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Signature: Mike Ross

Date: March 8, 2021



4702101338P

4862 III SE (AUBURN)

4323

4322

2'30"

4321

4320

PARKERSBURG 57 MI.  
TROY 0.7 MI.

4318





WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-021-01338 WELL NO.: 4

FARM NAME: Icy Wilcox

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Gilmer DISTRICT: Troy

QUADRANGLE: Vadis

SURFACE OWNER: Mike Ross Inc. & I.L. Morris

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

UTM GPS NORTHING: 4321276.0

UTM GPS EASTING: 523616.3 GPS ELEVATION: 970'

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

March 8, 2021  
Date

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WV Department of  
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