



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

Harold D. Ward, Cabinet Secretary
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 1
47-021-01285-00-00

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: WILCOX, ICY
U.S. WELL NUMBER: 47-021-01285-00-00
Vertical Plugging
Date Issued: 3/22/2021

Promoting a healthy environment.

03/26/2021

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.

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.
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 #1
3) API Well No. 47-021 - 01285

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 912' 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 Derek Hought 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 1500' to TD (1772') 100' above top perf

Set 100' cement plug across casing cut

Set 100' cement plug 1250' to 1350', show oil & gas

Set cement plug 800' to 950' (salt bearing strata)(elevation plug) (8" casing plug, freshwater protection plug)

SET CEMENT PLUG FROM 300' TO 200'. (10" 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 [Signature] Date 3-11-21



4702101285P

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Vadis SW
Permit No. GIL 1285

WELL RECORD

Oil or Gas Well Both
(MIND)

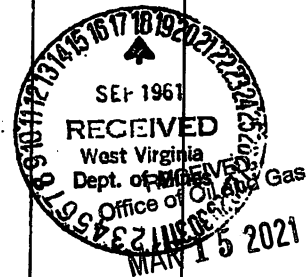
Company William C. Hurtt
Address 1801 Grant Bldg., Pgh. 19, Pa.
Farm Icy Wilcox Acres 60
Location (waters) Fank Creek (Corr. to 839')
Well No. One Elev. 912'
District Troy County Gilmer
The surface of tract is owned in fee by Icy Wilcox
Address _____
Mineral rights are owned by Icy Wilcox
Address _____
Drilling commenced July 10, 1961
Drilling completed August 3, 1961
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 50,000 cu/ft. Cu. Ft.
Rock Pressure 150 lbs. (before frag)
Oil show bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED Dowell - 40,000 # sand 600 bbl. water

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Halliburton Cement Packer
16			Kind of Packer
12			
10	246	246	Size of 5 1/2
8 5/8	817		
6 5/8			Depth set 1685'
5 1/2	1685	1685	(Open Hole) 1685'
3			Backpack to 1725'
2			Backpack
Liners Used			Backpack

CASING CEMENTED 5 1/2 SIZE 250 No. Ft. 8/4/61 Date
3 Aquagel - 35 bags of Cement
COAL WAS ENCOUNTERED AT 62 FEET Halliburton INCHES
389 FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT 80 bbl. oil - Gas volume not taken above 1,000,000 cu/ft.
ROCK PRESSURE AFTER TREATMENT 730 lbs. - 242
Fresh Water 94 Feet Salt Water 940 - 965 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Slate			19	62			
Coal			62	66			
Clay			66	70			
Shale & Clay			70	148			
Red Mud			148	157			
Sand			157	190			
Red Mud			190	219			
Sandy Lime			219	277			
Red Rock			277	389			
Coal			389	390			
Soft Shale			390	585			
Sand			585	643			
Shale Shells			643	660			
Slate & Shells			660	681			
Sand			681	749			
Slate & Shells			749	782			
Sand			782	814			
Shale			814	855			
Sand			855	875			
Sand Hard			875	887			
Sand			887	893			
Sand & Black Slate			893	908			
Sand & Slate			908	935			



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WV Department of Environmental Protection

(over)

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Formation	Color	Hard or Soft	Top <i>f</i>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			935	983	Water	942 to 965	(3 Bailors in 2 hrs.)
Broken Lime			983	1032			
Sand			1032	1056			
Lime Shells			1056	1081			
Broken Sand			1081	1164			
Sand			1164	1185			
Sand & Shells			1185	1194			
Sand			1194	1246			
Sand			1250	1278	Show of Oil	1258 - 1278	
Lime & Shale			1346	1374	Show of Gas	at 1342 - 1346	
Slate			1374	1395			
Sand			1395	1435			
Colored Slate Shells			1435	1496			
Slate & Shells			1496	1536			
Lime & Sand			1536	1548	Show of Gas	at 1546	
Shale			1548	1565			
Lime			1565	1664			
White Sand			1664	1732			
Slate			1732	1772			
Total Depth				1772			

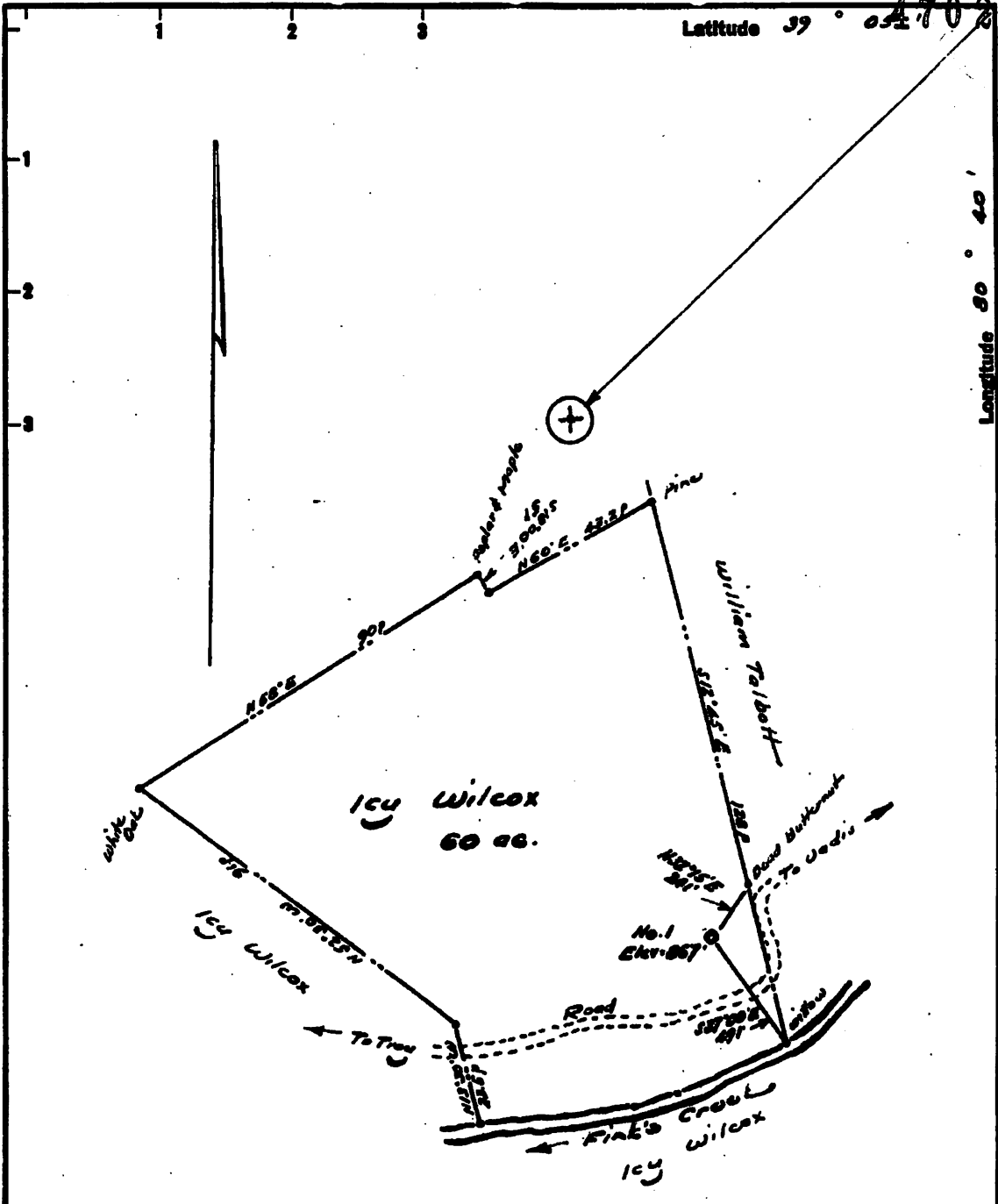
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Date SEPT 15, 1961
APPROVED William C. Hunt, Owner
By _____ (Title)

03/26/2021

Latitude 39° 05' 47.02" 101285P

Longitude 80° 40'



New Location
 Drill Deeper
 Abandonment

Company **WILLIAM C. HURTT**
 Address **180 Grant Bldg., Pittsburgh, Penna.**
 Farm **Icy Wilcox**
 Tract _____ Acres **60** Lease No. _____
 Well (Farm) No. **One** Serial No. _____
 Elevation (Spirit Level) **867**
 Quadrangle **Vada**
 County **Gilman** District **Tray**
 Engineer **W. S. H. [Signature]**
 Engineer's Registration No. **1227**
 File No. _____ Drawing No. _____
 Date **July 1961** Scale **1" = 200'**

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

WELL LOCATION
 FILE NO. **GIL-1225**

+ 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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WW-4A
Revised 6-07

1) Date: February 25, 2021
2) Operator's Well Number
Icy Wilcox #1
3) API Well No.: 47 - 021 - 01285

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

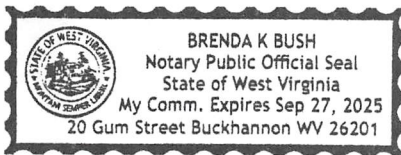
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Mike Ross Inc. & I.L. Morris</u>	Name <u>N/A</u>
Address <u>c/o Mike Ross Inc. & WACO Oil</u>	Address _____
<u>P.O. Box 219, Coalton, WV 26257</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Denny 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 reverse side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator 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 8th day of March, 2021.
[Signature] Notary Public
 My Commission Expires Sept. 27, 2025

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.

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SURFACE OWNER WAIVER

Operator's Well
Number

47-021-01285 Icy Wilcox #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 57th 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 map.

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,

Mike Ross
Signature

Date March 8, 2021 Name _____
By _____
Its _____

Signature

Date
03/26/2021

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4702101285P

WW-9
(5/16)

API Number 47 - 021 - 01285
Operator's Well No. Jcy Wilcox #1

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. JWM*

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 _____)

*DM4
3-11-21*

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 *Mike Ross*

Company Official (Typed Name) Mike Ross

Company Official Title President

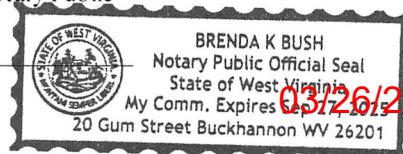
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Subscribed and sworn before me this 8th day of March, 2021

Brenda K Bush

Notary Public

My commission expires Sept. 27, 2025



03/26/2021

Operator's Well No. Icy Wilcox #1
47.031-01285

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: _____

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

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. 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.

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

Signature:

Mike Ross

Date:

March 8, 2021

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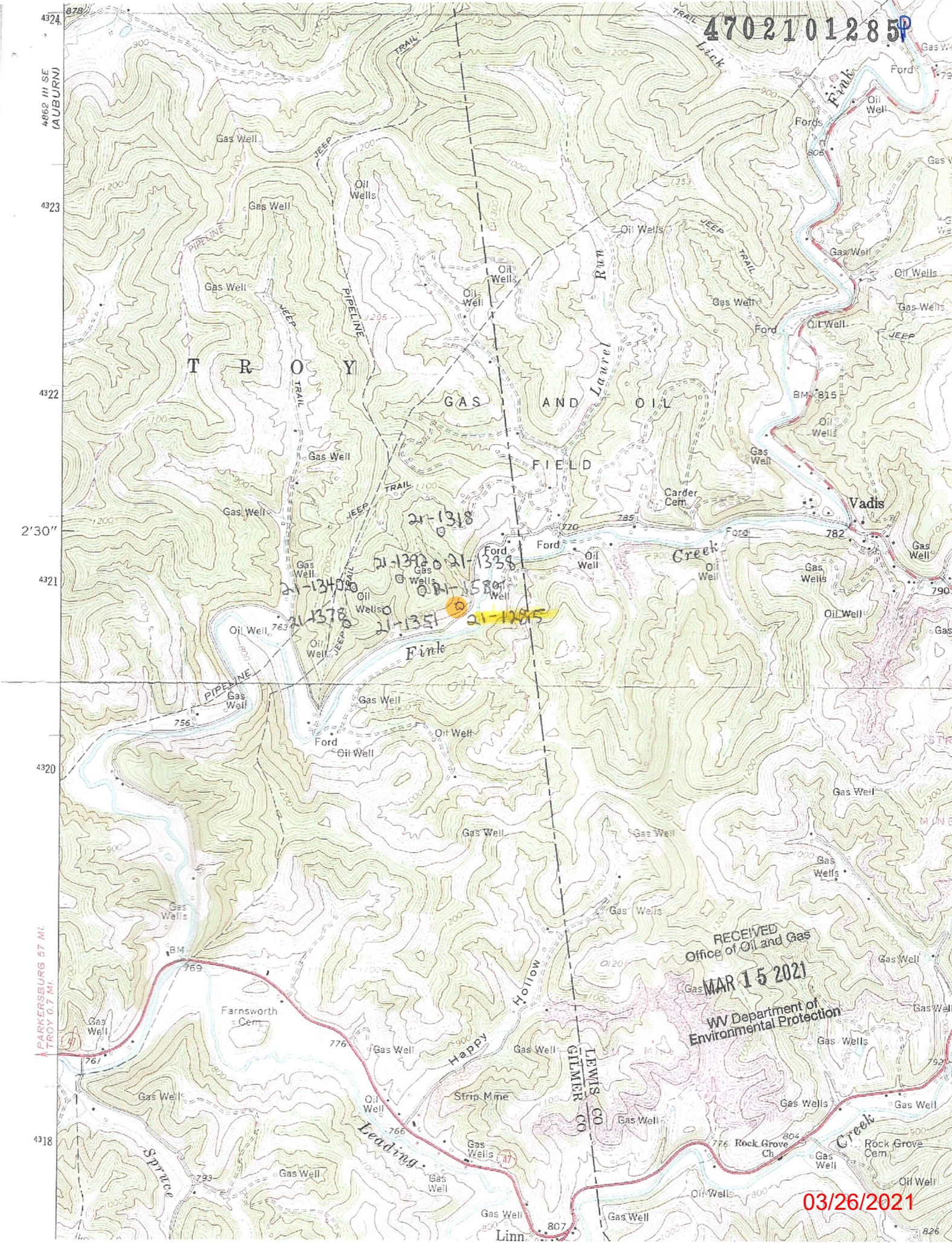
4324
4862 III SE (AUBURN)
4323
4322
2'30"
4321
4320
4318
PARKERSBURG 57 MI.
TROY 0.7 MI.

TROY GAS AND OIL FIELD

21-1318
21-1340
21-1378
21-1351
21-1385
21-1390
21-1338
21-1580

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WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-021-01285 WELL NO.: 1

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: 4321065.4

UTM GPS EASTING: 523731.2 GPS ELEVATION: 912'

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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