

west virginia department of environmental protection

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

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 3 47-021-01318-00-00

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: 3 Farm Name: WILCOX, ICY U.S. WELL NUMBER: 47-021-01318-00-00 Vertical Plugging Date Issued: 3/22/2021

Promoting a healthy environment.

4702101318P

### **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. <u>Failure to adhere to the specified</u> 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.

WW-4 Rev.	B 2/01	<b>4702101318</b> 1) Date February 25, 2021 2) Operator's Well No. <u>ley Wilcox #3</u> 3) API Well No. <u>47-021</u> - 01318
	DEPARTMENT OF ENVIR	EST VIRGINIA RONMENTAL PROTECTION OIL AND GAS
	APPLICATION FOR A PERM	AIT TO PLUG AND ABANDON
4)		d injection/ Waste disposal/ derground storage) Deep/ Shallow <mark>X</mark>
5)	Location: Elevation 911'	Watershed Fink Creek
	District Troy	County Gilmer Quadrangle Vadis
6)	Well OperatorRoss & Wharton Gas Co. Inc.Address354 Morton Ave.	7)Designated Agent Mike Ross Address P.O. Box 219
	Buckhannon, WV 26201	Coalton, WV 26257
8)	Oil and Gas Inspector to be notified Name Danny Mullins Derek Harzh Address 220 Jack Acres Rd. PO Box 85 Buckhannon, WV 26201 Sm. Thrille	9)Plugging Contractor Name N/A Address

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 1650' to TD (1875') 100' above top perf
Set 100' cement plug across casing cut
Set 100' cement plug 1200' to 1300', oil show
Set 100' cement plug 850' to 950' (salt bearing strata)(elevation plug) 8" casing plug
Set cement plug 200' to 300' (10" casing, freshwater protection plug)

Set surface plug 100' to 0', Tag plug's as necessary, Set monument with API number

Notification must be given to the work can commence.	district oil and gas	inspector 24 hours before permitted RECEIVED Office of Oil and Gas
Work order approved by inspector	1	Date MAR 1 5 2021 WV Department of Environmental Protection

03/26/2021



## 47021013188

**011** 

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

Quadrangle Vadis, S. W. Permit No. GIL 1318

WELL RECORD

remit No.		ECORD		Oil or	Gas Well Oil
Company William C. Hurtt Address 1801 Grant Bldg., Pgh 19, Pa Farm Icy Wilcox Acres	<u>1</u>	Casing and Tubing	Used in Drilling	Left in Well	(KIND) Packerg
Location (waters) <b>Fink Creek</b> Well No. 3 Elev District <b>Troy</b> County Gilmer	<b>911'</b> 1	Size 6			Kind of Packer
The surface of tract is owned in fee by	1		244 ' 908 '	244 '	Size of
Mineral rights are owned byAddress		65 <u>%</u> 5 3/16	1863'	1863'	Depth set
Drilling commenced August 18, 1961 Drilling completed Sept. 25, 1961					Perf. top <u>1788</u> ' Perf. bottom <u>1806</u> '
Date ShotTo With Open Flow /10ths Water in		iners Used			Perf. top Perf. bottom
/10ths Merc. in Volume Estimated 50M Rock Pressure Not Taken ibs Oil Show (quart) bbls., 1s WELL ACIDIZED 250 gal. Mud Acid	Inch C Cu. Ft hrs st 24 hrs. C	(Lawson) OAL WAS EN 162 FEET	60 sks. ICOUNTEREI	cement AT_155 HES	No. Ft. 9-25-61 <sub>Date</sub> 8 8ks, Aquage1 FEET to <b>shelles</b> FEET INCHES

WELL FRACTURED (Dowell) 19,000#, 20-40 sand; 3400# 10-20 sand; 1700# walnut hulls; 400 bbl. water; formation broke - 1500#; treated @ 1800#.

RESULT AFTER TREATMENT\_100 b11. oil - (First 24 hrs.)

ROCK PRESSURE AFTER TREATMENT 425# (1 hr.) 1101 JOEL ----

Fresh Water_1	18', 185	215Peet		Salt Water		Feet	
Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth	Remarks
Yellow Mud	& Shale		0	11			
Lime			11	21			
Lime & Sand			21	30			
Sand		1	30	52			
Mud			52	73			
Lime & Shal	e		73	94			
Mud			94	135	Water at	118	
Limey Sand			135	145			
Mud			145	155			
Coal			155	162 *			
Slate			162	183			1
Sand			183	209	Water at	185	
Clay & Shal	8		209	260	Water at		RECEIVED Office of Gil and Gas
Sand		]	260	281			Office of G#
Shale			281	355			MAR 1 5 2021
Lime			355	370			MAN
Red Shale			370	435			W Department of Environmental Protection
Grey Lime			435	454		512	WV Depatal Protection
Sand Pink			454	475			Ellan
Shale			475	505		1.	A = A
Sand			505	514		f	
Red Rock			514	600			
Lime			600	610		$\mathbf{f}_{i} = \mathbf{f}_{i}^{T} + \mathbf{f}_{i}^{T}$	
Shale			610	639			
Blackslate			639	641			1.55
Shale			641	647			12

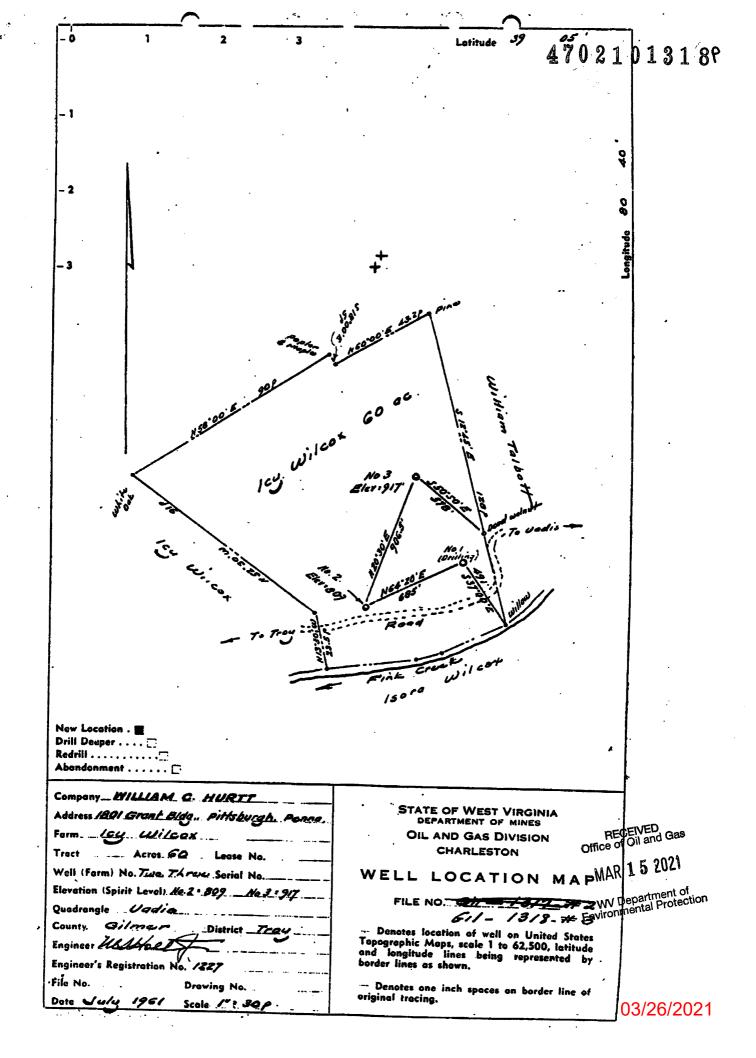
(over)

# 4702101318P

**************************************	Celor	Hard or Soft	Top /2	Bottom	Oll, Gas er Water	Depth Found	2 1 0 1 3 1 Remarks
Lime Slate Shed Sand Slate & Sh Sand White Slate & Sh Sand White Shale Sandy Lime Shale	ells		647 660 690 713 751 826 951 1000 1008 1040	660 690 713 751 826 951 1000 1008 1040 1121			•
Broken San Limey Sand Slate Sand Shale & Sh Red Rock & Lime Red Rock	e11s		1121 1208 1222 1268 1439 1520 1560 1560	1208 1222 1268 1439 1520 1560 1567 1593	Show of Show of	011 1252 011 1276	
Lime & She Shale "Pen Big Lime Injun Sand Slate & Li Total Dept	cil Cave		1593 1655 1667 1774 1824	1655 1667 1774 1824 1875	Gas at 1	672 & 17	95
	• •						
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							RECEIVED Office of Qil and
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4702101318P

WW-4A	
Revised	6-07

 1) Date:
 February 25, 2021

 2) Operator's Well Number

 Icy Wilcox #3

3) API Well No.: 47 - 021 - 01318

#### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS <u>NOTICE 0F APPLICATION TO PLUG AND ABANDON A WELL</u>

4)	Surface Owne	er(s) to be served:	5) (a) Coal Operator	
	(a) Name	Mike Ross Inc. & I.L. Morris	Name	N/A
	Address	c/o Mike Ross Inc. & WACO Oil	Address	
		P.O. Box 219, Coalton, W 26257		
	(b) Name		(b) Coal Own	ner(s) with Declaration
	Address		Name	N/A
			Address	
	(c) Name	т. Т	Name	
	Address		Address	
6)]	Inspector	Danny Mullins Dereh Have	(c) Coal Less	ee with Declaration
	Address	220 Jack Acres Rd. Po Rox 85	Name	N/A
		Buckhannon, WV 26201 Smithville	Address	
	Telephone	1-304-932-0844 304-206-7617	3 -01/18	

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.

BRENDA K BUSH Notary Public Official Seal State of West Virginia My Comm. Expires Sep 27, 2025	By: Its:	Ross & Wharton Gas Co. Inc. A President	
20 Gum Street Buckhannon WV 26201	Address	354 Morton Ave.	
		Buckhannon, WV 26201	
	Telephone	1-304-472-4289	
			RECEIVED Office of Oil and Gas
Subscribed and sworn before me th	is_8 <sup>m</sup> de	ay of <u>March</u> , <u>2021</u> . Notary Public	MAR 1 5 2021
My Commission Expires	27, 2025		un Department of
,	1		WV Department of Environmental Protection

**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 <u>depprivacyoffier@wv.gov</u>.

#### **Operator's Well** Number

47-021-01318 Icy Wilcox #3

#### 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**

RECEIVED

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 place 15 2021

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. Environmental Protection FOR EXECUTION BY A NATURAL PERSON

ETC.	The Port	D
V	Signature	

FOR EXECUTION BEACORPORATION, Environmental Protection

ate 03/08/21 Name By

Its

Date

Signature

v	47021013
WW-9 (5/16)	API Number 47 - $021$ _ 01318 Operator's Well No. Icy $Wi(cox) #3$
DEPARTMENT OF OFFIC	C OF WEST VIRGINIA ENVIRONMENTAL PROTECTION CE OF OIL AND GAS DISPOSAL & RECLAMATION PLAN
Operator Name_Ross & Wharton Gas Co. Inc.	OP Code <u>306580</u>
Watershed (HUC 10) Fink Creek	Quadrangle Vadis
If so, please describe anticipated pit waste:	WY WELL EFFLUENT MUST DE CONTAINED J TANKS BRFORE DISPOSING OFF SITE, ANT
Will a synthetic liner be used in the pit? Yes Proposed Disposal Method For Treated Pit Waste	
Reuse (at API Number Off Site Disposal (Supply form	Permit Number)
Will closed loop system be used? If so, describe:	
Drilling medium anticipated for this well (vertical and hor	rizontal)? Air, freshwater, oil based, etc.
-If oil based, what type? Synthetic, petroleum, et	tc
Additives to be used in drilling medium?	
Drill cuttings disposal method? Leave in pit, landfill, remo	oved offsite, etc
-If left in pit and plan to solidify what medium with	ill be used? (cement, lime, sawdust)
-Landfill or offsite name/permit number?	

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	
Company Official (Typed Name) Mike Ross	RECEIVED Office of Oil and Gas
Company Official Title_President	MAR 1 5 2021
Subscribed and sworn before me this 8 <sup>th</sup> day of March	, 20 <b>31</b> WV Department of Environmental Protection
- Joural I Bush	Notary Public
My commission expires Sept. 21, 2025	BRENDA K BUSH Notary Public Official Seal State of West Virghta /26/2021

20 Gum Street Buckhannon WV 26201

Form WW-9

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# 4702101318P

Operator's Well No. Icy Wilcov#3 47-021-01318

Proposed Revegetation Treat	ment: Acres Disturbed 1	Preveg etatio	прН <u>6.5</u>
Lime	Tons/acre or to correct	to pH 6.5	
Fertilizer type 10-2	20-20		
Fertilizer amount 5	00	lbs/acre	
Mulch Hay		Tons/acre	
		Seed Mixtures	
Те	mporary	Per	manent
Seed Type	lbs/acre	Seed Type	lbs/acre
Seed Type	lbs/acre 30	Seed Type Fescue	lbs/acre 30
Fescue		Fescue	
Fescue		Fescue	

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:	
Comments:	
Title: <u>Dilt 6 (F. Inspecto</u> Date: <u>P-1</u> Field Reviewed? ()Yes ()No	MAR 1 5 2021 W Department of Environmental Protection

### 03/26/2021

## 47021013186

Page <u>Page</u> Old 2API Number 47 - <u>021</u> - <u>01318</u> Operator's Well No. <u>Icy Wilcoy #3</u>

Quad: Vadis

#### 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

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 RECEIVED Office of Oil and Gas MAR 1 5 2021

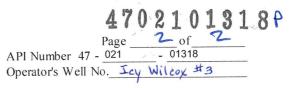
WV Department of Environmental Protection

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

WW-9- GPP Rev. 5/16

03/26/2021

WW-9- GPP Rev. 5/16



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

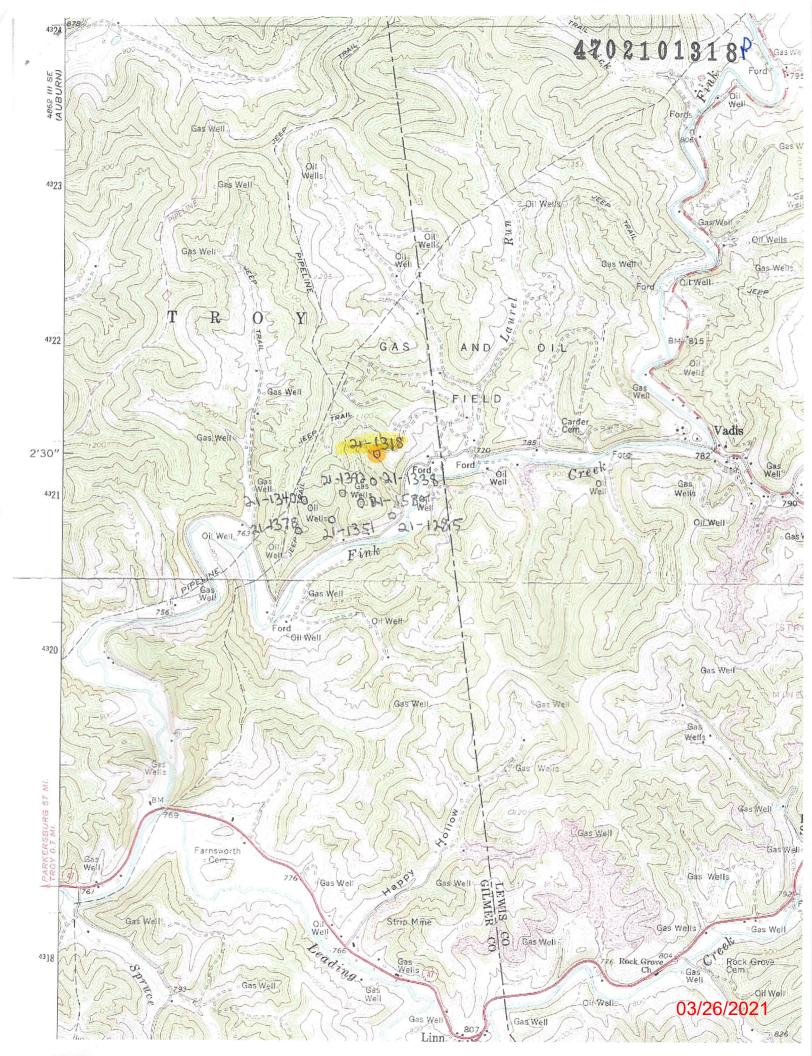
7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

N/A

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

N/A	
	- <b>~</b> D
Signature: Mike Road	Office of Oil and Gas MAR 1 5 2021
Date: March 8, 2021	WV Department of WV Department of Protection
Date:	WAR 2 WV Department of Environmental Protection

### 03/26/2021



WW-7		
8-30-06		
West Virginia Department of En	vironmental Protection	
Office of Oil and	d Gas	
WELL LOCATION FORM: GPS		
<sub>API:</sub> 47-021-01318	WELL NO.: 3	
FARM NAME: ICY WIICOX		
RESPONSIBLE PARTY NAME: Mike Ross		
COUNTY: Gilmer D		
QUADRANGLE: Vadis		
SURFACE OWNER: Mike Ross Inc. & I.L. Morris		
ROYALTY OWNER:		
UTM GPS NORTHING: 4321458.0		
	GPS ELEVATION: 911'	

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	Office of Oil and Gas
Real-Time Differential	MAR 1 5 2021
Mapping Grade GPS: Post Processed Differential	WV Department of Environmental Protection
Real-Time Differential	Environition

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.

President 10 March 8, 2021 Date Title Signature

03/26/2021

FORENED AND