



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 29, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

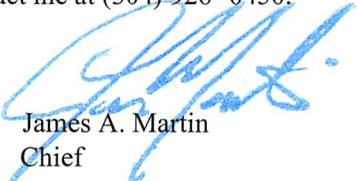
ROSS AND WHARTON GAS COMPANY, INC.
RT. 5, BOX 29
BUCKHANNON, WV 262010000

Re: Permit approval for 1
47-021-01340-00-00

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: RALSTON, V. & L. F.
U.S. WELL NUMBER: 47-021-01340-00-00
Vertical Plugging
Date Issued: 3/29/2021

Promoting a healthy environment.

04/02/2021

I

4702101340P

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.

04/02/2021

1) Date February 25, 2021
2) Operator's
Well No. V. & L. Ralston # 1
3) API Well No. 47-021 - 01340

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 973' 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.~~ P.O. 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 1800' to TD (1946') 100' above top perf
- Set 100' cement plug across casing cut
- Set 100' cement plug 1300' to 1400',
- Set 100' cement plug 900' to 1000' 6 5/8" casing (salt bearing strata)(elevation plug)
- Set 100' cement plug 500' to 600' salt water show
- Set surface plug ^{280'} ~~200'~~ to 0', 8" casing plug, freshwater protection plug, COAL @ 255'
- Tag plug's as necessary, Set monument with API number

RECEIVED
Office of Oil and Gas
MAR 15 2021
JWA
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 2-11-21



4702101340P

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

Quadrangle Vadis, S. W.

WELL RECORD

Permit No. GIL 1340

Oil or Gas Well O & G
(KIND)

Company William C. Hurtt
Address 1801 Grant Bldg., Pgh. 19, Pa.
Farm V. & L. F. Ralston Acres 22.5
Location (waters) _____
Well No. One Elev. 973
District Troy County Gilmer
The surface of tract is owned in fee by V. & L. Ralston
Address _____
Mineral rights are owned by V. & L. Ralston
Address _____
Drilling commenced Oct. 5, 1961
Drilling completed Nov. 2, 1961
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume No show _____ Cu. Ft.
Rock Pressure No gas before frac _____ hrs.
Oil Show _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
18	10		
10			Size of _____
8 1/2	189	189	
6 3/4	914		Depth set _____
5 3/16			
4 1/2	1954	1954	Perf. top <u>1900</u>
2			Perf. bottom <u>1912</u>
Liners Used			Perf. top <u>22 shots</u>
			Perf. bottom _____

CASING CEMENTED 4 1/2 SIZE 454 1/4 Ft. _____ Date _____
Lawson - 45 bags cement & 400 lbs. _____
COAL WAS ENCOUNTERED AT 255 FEET to _____ INCHES
257 FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED Dowell - 1839 Horsepower - River frac - Breakdown, 1300 lbs.

RESULT AFTER TREATMENT 100 bbl. oil, 24 Hr., 500 mcf

ROCK PRESSURE AFTER TREATMENT 630# - 24 Hr.

Fresh Water _____ Feet _____ Salt Water 545-55 Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top Red Rock			0	3			
Sand Rock			3	10			
Red Rock			10	25			
Slate			25	40			
Red Rock			40	70			
Slate			70	100			
Red Rock			100	109			
Blue Slate			109	115			
Hard Lime			115	132			
Slate Shells			132	140			
Red Rock			140	167			
Gray Lime			167	200			
Red Rock			200	205			
Blue Slate			205	230			
Red Rock			230	250			
Slate			250	255			
Coal			255	257			
Slate			257	343			
Red Rock			343	360			
Blue Slate			360	372			
Lime			372	380			
Red Rock			380	488			
Broken Sand			488	495			
Red Rock			495	535			
Lime Shells			535	550			
					Water		

RECEIVED
MAR 15 2021
West Virginia Department of Environmental Protection

(over)

04/02/2021

Formation	Color	Hard or Soft	Top //	Bottom	Oil, Gas or Water	Depth Found	Remarks
Broken Sand			550	565			
Slate			565	600			
Red Mud			600	645			
Slate			645	745			
Lime			740	770			
Gray Slate			770	840			
Gritty Lime			840	850			
Dunkard Sand			850	915			
Slate			915	980			
Gray Lime			980	1010			
Slate			1010	1023			
Lime			1023	1030			
Sand			1030	1078			
Slate			1078	1087			
Lime			1087	1095			
Slate, Shells			1095	1105			
Sand			1105	1170			
Slate, Shells			1170	1210			
Sand			1210	1255			
Slate, Shells			1255	1260			
Salt-Sand			1260	1295			
Slate, Shells			1295	1340			
Gray Lime			1340	1355			
Broken Sand			1356	1385			
Black Slate			1385	1420			
Sand			1420	1518			
Black Slate			1518	1545			
Gray Lime			1545	1560			
Slate, Shells			1560	1600			
Sand			1600	1615			
Red Rock			1615	1630			
Slate, Shells			1630	1651			
Blue Lime			1651	1680			
Red Rock			1680	1685			
Slate, Shells			1685	1704			
Little Lime			1704	1725			
Blue Munday Sand			1725	1738			
Slate			1738	1743			
Big Lime			1743	1852			
White Lime			1852	1862			
Injun Sand			1862	1909	Oil		
Blue Slate			1909				
Total Depth				1946			

RECEIVED
Office of Oil and Gas
MAR 15 2021
WV Department of
Environmental Protection

Date Jan 11, 1965

APPROVED _____ Owner
By W. L. C. H. H.
(Title)

WW-4A
Revised 6-07

1) Date: February 25, 2021
2) Operator's Well Number
V. & L. Ralston
3) API Well No.: 47 - 021 - 01340

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

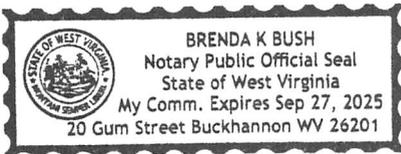
4) Surface Owner(s) to be served:		5) (a) Coal Operator	
(a) Name	<u>Mike Ross Inc. & I.L. Morris</u>	Name	<u>N/A</u>
Address	<u>c/c Mike Ross Inc. & WACO Oil</u> <u>P.O. Box 219, Coalton, WV 26257</u>	Address	<u></u>
(b) Name	<u></u>	(b) Coal Owner(s) with Declaration	
Address	<u></u>	Name	<u>N/A</u>
(c) Name	<u></u>	Address	<u></u>
Address	<u></u>	Name	<u></u>
		Address	<u></u>
6) Inspector	<u>Danny Mullins <u>Derek Haight</u></u>	(c) Coal Lessee with Declaration	
Address	<u>220 Jack Acres Rd. <u>PO Box 85</u></u>	Name	<u>N/A</u>
	<u>Buckhannon, WV 26201 <u>Smithville, WV</u></u>	Address	<u></u>
Telephone	<u>1-304-932-6844 <u>304-206-7613</u></u>		<u>26178</u>

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

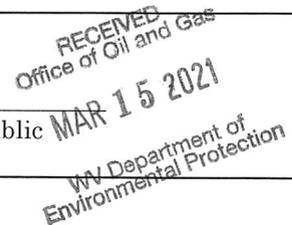
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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: *Mike Ross*
 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.
Brenda K Bush 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.

SURFACE OWNER WAIVER

Operator's Well
Number

47-021-01340 V. L. Ralston # i

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 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 _____

Signature

Date
04/02/2021

RECEIVED
Office of Oil and Gas
MAR 15 2021
WV Department of Environmental Protection

4702101340P

WW-9
(5/16)

API Number 47 - 021 - 01340
Operator's Well No. V&L Relston #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. gpm*

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 _____)

*DWH
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

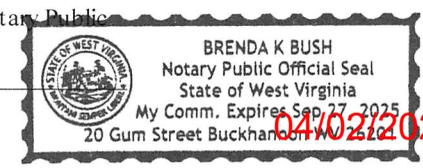
REC'D
OFFICE OF OIL AND GAS
MAR 15 2021
WV Department of Environmental Protection

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

Brenda K Bush

Notary Public

My commission expires Sept. 27, 2025



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

RECEIVED
Office of Oil and Gas
MAR 15 2021
WV Department of
Environmental Protection

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

RECEIVED
Office of Oil and Gas
MAR 15 2021
WV Department of
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

RECEIVED
Office of Oil and Gas
MAR 15 2021
WV Department of
Environmental Protection

Signature: Mike Ross

Date: March 8, 2021

4702101340A

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
21-1390
21-1340
21-1378
21-1351
21-1285

RECEIVED
Office of Oil and Gas
MAR 15 2021
WV Department of
Environmental Protection

04/02/2021



4702101340P

WW-7
8-30-06



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

API: 47-021-01340 WELL NO.: 1

FARM NAME: V. & L. Ralston

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Gilmer DISTRICT: Troy

QUADRANGLE: Vadis

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

ROYALTY OWNER: _____

UTM GPS NORTHING: 4321154.0

UTM GPS EASTING: 523174.7 GPS ELEVATION: 973'

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

RECEIVED
Office of Oil and Gas
MAR 15 2021
West Virginia Department of
Environmental Protection

04/02/2021