



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](http://www.dep.wv.gov)

Tuesday, June 28, 2022

WELL WORK PLUGGING PERMIT  
Vertical Plugging

ANTERO RESOURCES CORPORATION  
1615 WYNKOOP STREET

DENVER, CO 80202


Re: Permit approval for UNNAMED WELL  
47-095-02805-00-00

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: UNNAMED WELL  
Farm Name: YOST EDWARD ESTATE &   
U.S. WELL NUMBER: 47-095-02805-00-00  
Vertical Plugging  
Date Issued: 6/28/2022

A handwritten signature in blue ink, appearing to read 'J. Martin', is written over the signature block.

Promoting a healthy environment.

07/01/2022

## PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS**

**APPLICATION FOR A PERMIT TO PLUG AND ABANDON**

4) Well Type: Oil \_\_\_\_\_ / Gas  / Liquid injection \_\_\_\_\_ / Waste disposal \_\_\_\_\_ /  
(If "Gas, Production \_\_\_\_\_ or Underground storage \_\_\_\_\_) Deep \_\_\_\_\_ / Shallow

5) Location: Elevation 1210' Watershed Middle Island Creek  
District Ellsworth County Tyler Quadrangle Porters Falls 7.5'

6) Well Operator Antero Resources Corporation 7) Designated Agent CT Corporation System - Dianna Stamper  
Address 1615 Wynkoop Street Address 5400 D Big Tyler Road  
Denver, CO 80202 Charleston, WV 25313

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Doug Newlon Name N/A - Antero will plug well  
Address 601 57th Street SE Address \_\_\_\_\_  
Charleston, WV 25304

10) Work Order: The work order for the manner of plugging this well is as follows:  
**\*Please See Attached Work Order**

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

Work order approved by inspector Doug Newlon JNM Date 6/28/2022  
07/01/2022



**Ed Yost Well-Unnamed Well**  
**Tyler County, WV**

**Objective:** Plug and Abandon Wooden Conductor

**Well Design:**

- Wooden Conductor Visible At Surface – Weighted line tagged up at ~60ft.

**Oil and Gas Zones:**

1. N/A

**Procedure:**

1. Notify WV DEP 24 hours prior to commencing work.
2. Hold JSA Pre Job Meeting.
3. MIRU service rig
  - a. *RUN IN HOLE WITH 3 7/8" TO 6 1/4" BIT ON 2 7/8" TUBING.*
  - b. Attempt to achieve well TD *JRM*
  - c. Plug with cement to surface
4. Install Monument Marker with API number as issued by DEP
  - a. Monument will extend above the surface of the pad when constructed by no less than 36 inches.



Select County: (095) Tyler    Select datatypes:  (Check All)

Enter Permit #: 92485

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

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

WV Geological & Economic Survey:

**Well: County = 95 Permit = 92485**

Report Time: Tuesday, June 28, 2022 10:29:48 AM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4709592485	Tyler	92485	Ellsworth	Porters Falls	New Martinsville	39.547998	-80.836906	514013	4377604

There is no Bottom Hole Location data for this well

There is no Owner/Completion data for this well

There is no Owner/Completion data for this well

There is no Pay data for this well

There is no Production Gas data for this well

There is no Production Oil data for this well \*\* some operators may have reported NGL under Oil

There is no Production NGL data for this well \*\* some operators may have reported NGL under Oil

There is no Production Water data for this well

There is no Stratigraphy data for this well

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

There is no Plugging data for this well

There is no Sample data for this well

4709502805P

4709502805P

WW-4A  
Revised 6-07

1) Date: 6/22/2022  
2) Operator's Well Number  
Ed Yost  
3) API Well No.: 47 - 095 - \_\_\_\_\_

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

<b>4) Surface Owner(s) to be served:</b>	<b>5) (a) Coal Operator</b>
(a) Name <u>PLEASE SEE ATTACHMENT</u>	Name _____
Address _____	Address _____
(b) Name <u>PLEASE SEE ATTACHMENT</u>	<b>(b) Coal Owner(s) with Declaration</b>
Address _____	Name _____
(c) Name <u>PLEASE SEE ATTACHMENT</u>	Address _____
Address _____	Name _____
<b>6) Inspector</b> <u>Doug Newton</u>	<b>(c) Coal Lessee with Declaration</b>
Address <u>601 57th Street SE</u>	Name _____
<u>Charleston, WV 25304</u>	Address _____
Telephone <u>304 575-0109</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 Antero Resources Corporation  
 By: Robert Odenthal  
 Its: VP of Drilling Robert S. Odenthal  
 Address 1615 Wynkoop Street  
Denver, CO 80202  
 Telephone 303-357-7310

Subscribed and sworn before me this 23<sup>rd</sup> day of June

My Commission Expires June 12, 2026

Notary Public **KRYSTAL DARDANO**  
 NOTARY PUBLIC  
 STATE OF COLORADO  
 NOTARY ID 20144023649  
 MY COMMISSION EXPIRES JUNE 12, 2026

**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](mailto:depprivacyofficer@wv.gov).

07/01/2022

**SURFACE OWNER WAIVER**

4709502805P

Operator's Well  
Number

Ed Yost Well

**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

RECEIVED  
Office of Oil and Gas  
JUN 23 2022  
WV Department of  
Environmental Protection

**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

Ernest Lora  
Signature

Date 6-23-22 Name \_\_\_\_\_  
By \_\_\_\_\_  
Its \_\_\_\_\_

07/01/2022  
Date

WW-9  
(5/16)

API Number 47 - 095 -  
Operator's Well No. \_\_\_\_\_

Ed Yost

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

Operator Name Antero Resources Corporation OP Code 494507062

Watershed (HUC 10) Middle Island Creek Quadrangle Oiters Falls 7.5'

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

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 \_\_\_\_\_ \*UIC Permit # will be provided on Form WR-34 )
- Reuse (at API Number \_\_\_\_\_ Future permitted well locations when applicable. API# will be provided on Form WR-34 )
- Off Site Disposal (Supply form WW-9 for disposal location) (Meadowfill Landfill Permit #SWF-1032-98)
- Other (Explain \_\_\_\_\_ Northwestern Landfill Permit #SWF-1025/WV0109410 )

Will closed loop system be used? If so, describe: Yes, fluids stored in tanks, cuttings removed off site and taken to landfill.

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 Gretchen Kohler

Company Official (Typed Name) Gretchen Kohler

Company Official Title Director of Environmental & Regulatory Compliance

Subscribed and sworn before me this 23<sup>rd</sup> day of June, 2022

Krystal Dardano

Notary Public

My commission expires June 12, 2026

KRISTAL DARDANO  
NOTARY PUBLIC  
STATE OF COLORADO  
07/01/2022



Proposed Revegetation Treatment: Acres Disturbed 81.82 Prevegetation pH \_\_\_\_\_

Lime 2-3 Tons/acre or to correct to pH 6.5

Fertilizer type \_\_\_\_\_

Fertilizer amount 500 lbs/acre

Mulch 2-3 Tons/acre

**Seed Mixtures**

**Temporary**

**Permanent**

Seed Type	lbs/acre
Annual Ryegrass	40
Field Bromegrass	40

Seed Type	lbs/acre
Crownvetch	10-15
Tall Fescue	30

Please reference Table IV-3 on page 7 of the Well #1 Plugging Plan

Please reference Table IV-4A on page 7 of the Well #1 Plugging Plan

**\*or type of grass seed requested by surface owner**

**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: Doug Newlon by gwm

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

Title: Inspector SUPERVISOR

Date: 6/28/2022

Field Reviewed?  Yes  No

095-92483

095-92484

095-92485

095-02760  
095-02760

095-92486

095-02760



**Antero Resources Corporation**  
Appalachian Basin  
Ed Yost Pad  
Tyler County

Quadrangle: Porter Falls  
Watershed: Outlet Middle Island Creek  
District: Ellsworth  
Date: 8-16-2021



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

API: ~~47-095-92485~~ 47-095-02805P WELL NO.: Unnamed Well

FARM NAME: Ed Yost

RESPONSIBLE PARTY NAME: Antero Resources Corporation

COUNTY: Tyler DISTRICT: Ellsworth

QUADRANGLE: Porters Falls

SURFACE OWNER: Yost Edward Estate & Flode & Minks Dale Adams & Minks Mike C/O Ernest E. Yost

ROYALTY OWNER:

UTM GPS NORTHING: 4377538.41 m

UTM GPS EASTING: 514019.52 m GPS ELEVATION: 1210.5 ft

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.

Mallory Stanton  
Signature

Permitting Manager  
Title

6/28/2022  
Date 07/01/2022

OP-77-A (01-19)

Record No. \_\_\_\_\_

State of West Virginia

Department of Environmental Protection

This is to acknowledge that the well: API no. 47-095 - 02805

District Ellsworth

Well No \_\_\_\_\_ Farm name Edward Yost

Is hereby transferred To:

The transferee Company: Antero ReSources Corporation

Code #494507062 Address 1615 Wynkoop St, Denver, CO 80202

Transfer approval shall be subject to the provisions in W. Va. Code §§ 22-6-26, 22-10-7 and 35 CSR 4 - 10.5, or as otherwise set forth by agreement with the Chief.

The transferee has registered and designated an agent on form OP-1, which is on file with the Office of Oil and Gas. The agent is:

Designated agent (name) Dianna Stamper-CT Corporation System

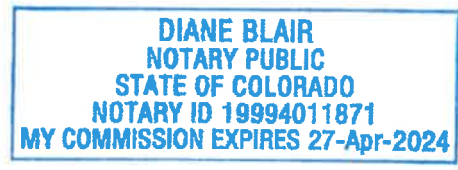
Address: 5400 D Big Tyler Road, Charlestrn, WV 25313

The transferee has bonded the said well by ( check one ):

Securities  Cash  Surety bond  Letter of credit

Identified by:

Amount:	<u>\$250,000.00</u>	Effective date :	<u>2/21/2012</u>
Issuing authority:	<u>Fidelity and Deposit Company of Maryland</u>	Id. No:	<u>LPM9062890</u>



Transferee: Antero Resources Corp

By: Robert Odenthal

Its: VP of Drilling Robert S. Odenthal

Taken, subscribed and sworn before me this 22 day of June 2022

Notary Public Diane Blair

My Comission Expires 27 Apr 2024



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

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**Fwd: Message from MFD 2064**

1 message

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**McLaughlin, Jeffrey W** <jeffrey.w.mclaughlin@wv.gov>

Tue, Jun 28, 2022 at 3:29 PM

To: Matt Palmer <mpalmer@anteroresources.com>, Mallory Stanton <mstanton@anteroresources.com>, ddevito@shalepro.com, Douglas C Newlon <Douglas.C.Newlon@wv.gov>, Stephen E McCoy <stephen.e.mccoy@wv.gov>

Cc: Wade A Stansberry <wade.a.stansberry@wv.gov>, James P Kennedy <james.p.kennedy@wv.gov>

To All:

Please find attached the newly issued plugging permit for API Well No. 47-095-02805.

Regards,

Jeff McLaughlin, Technical Analyst  
WV DEP, Office of Oil and Gas

----- Forwarded message -----


From: <Copy.Center.2064@wv.gov>

Date: Tue, Jun 28, 2022 at 3:23 PM

Subject: Message from MFD 2064

To: <jeffrey.w.mclaughlin@wv.gov>

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 **SMFD 206422062815510.pdf**  
1238K

07/01/2022



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

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## Plugging Vertical Well Work Permit (API:47-095-02805)

1 message

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**Stansberry, Wade A** <wade.a.stansberry@wv.gov>  
To: ljackson@wvassessor.com

Thu, Jun 30, 2022 at 8:11 AM

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

**47-095-02805 - UNNAMED WELL**

These will serve as your copy.

Thank you,

**Wade A. Stansberry**

**Environmental Resource Specialist 3**

**West Virginia Department of Environmental Protection**

**Office of Oil & Gas**

**601 57th St. SE**


**Charleston, WV 25304**

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

**(304) 926-0452 fax**

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

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 **47-095-02805 - Copy.pdf**  
1241K

07/01/2022