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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)

Friday, October 31, 2025  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

ANTERO RESOURCES CORPORATION  
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit approval for 1  
47-085-02530-00-00

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.

H. Jason Harmon  
Acting Chief

A handwritten signature in black ink that reads "Jason Harmon".

Operator's Well Number: 1  
Farm Name: COX, M. H.  
U.S. WELL NUMBER: 47-085-02530-00-00  
Vertical Plugging  
Date Issued: 10/31/2025

# 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.
4. 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.

1) Date September 19, 20 25  
2) Operator's  
Well No. 1  
3) API Well No. 47-085 - 02530

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 1,070' Watershed South Fork Hughes River  
District Union County Ritchie Quadrangle Pullman

6) Well Operator Antero Resources Corporation 7) Designated Agent Conrad Baston  
Address 1615 Wynkoop Street Address 535 White Oaks Blvd  
Denver, CO 80202 Bridgeport, WV 26330

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Jeremy Newlon Name N/A - Antero will plug well  
Address 8402 Staunton Turnpike Address \_\_\_\_\_  
MacFarlan, WV 26148

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 Jeremy Newlon Date 10-23-2025

11/07/2025



**Objective:** Plug and Abandon from 2,230' TD

**Well Design:**

- 16" Conductor @ 10' – Cemented to Surface
- 10" OH drilled to 356' – Capacity .5454 ft<sup>3</sup>/ft
- 8 1/4" OH drilled to 1198' - Capacity .3712 ft<sup>3</sup>/ft
- 4.5" Casing to 2,230' – Cemented to 2,145'

**Oil and Gas Zones:**

1. Water Zone - 1198'
2. Gas Zone – 1,777' – 1,780'
3. Gas Zone – 1,834' – 1,843'
4. Gas Zone – 1,970'
5. Oil – 2,225'

**Procedure:**

CLASS A cement

1. Check and record casing surface pressures into Wellview. Verify no pressure behind 16". Bleed off pressure and monitor any build-up prior to performing any more work.
2. Notify WV DEP 24 hours prior to commencing work.
3. Move in and rig up flat tank and frac tank (No pits will be utilized).
4. Bullhead kill fluid as needed to ensure well is killed prior to rig up.
5. MIRU Service rig with JU Head and BOP's. Pressure test well control equipment.
6. RIH with 2 3/8" tubing and attempt to wash down to TD of 2,230' or max allowable depth. Ensure hole is filled with at least 6% Bentonite Gel from TD to surface. If unable to reach TD consult with inspector and decide on new course of action.
7. Pull up 25' off bottom, MIRU cement services. Mix and pump a 100' cement plug (2,105' - 2,205') (Class A cement + 2% CaCl<sub>2</sub>, zero excess, yield = 1.15 ft<sup>3</sup>/sk, WR = 5.2 gal/sk, minimum 500 psi compressive strength)
  - a. 4.5" Casing Volume = 0.0912 ft<sup>3</sup>/ft
  - b. 100' plug = 10 ft<sup>3</sup> cement.
  - c. Displace to balance plug with 8.33 ppg fluid
  - d. Slowly pull out of cement plug and lay down 150' of 2-3/8" tubing
  - e. Circulate tubing clear of cement with 8.33ppg fluid
8. TOOH with 2 3/8" tubing.
9. MIRU wireline services, run free point, cut 4 1/2" casing. Ensure casing is free and RDMO wireline. Adjust next plugs based on free point cut depth. Consult with inspector as needed.
10. TOOH while laying down 4 1/2" casing.
11. RIH with 2 3/8" tubing to 1,757'.
12. Mix and pump a 100' cement plug (1,657' - 1,757') (Class A cement + 2% CaCl<sub>2</sub>, zero excess, yield = 1.15 ft<sup>3</sup>/sk, WR = 5.2 gal/sk, minimum 500 psi compressive strength)
  - a. 6" OH Volume = 0.1963 ft<sup>3</sup>/ft
  - b. 100' plug = 20 ft<sup>3</sup> cement.
  - c. Displace to balance plug with 8.33 ppg fluid
  - d. Slowly pull out of cement plug and lay down 150' of 2-3/8" tubing
  - e. Circulate tubing clear of cement with 8.33ppg fluid

11/07/2025

13. TOOH laying down tubing to 1248'.
14. Mix and pump a 100' cement plug (1,148' – 1,248') (Class A cement + 2%  $\text{CaCl}_2$ , zero excess, yield = 1.15  $\text{ft}^3/\text{sk}$ , WR = 5.2 gal/sk, minimum 500 psi compressive strength)
  - a. 6" OH Volume = 0.1963  $\text{ft}^3/\text{ft}$
  - b. 8 1/4" OH Volume = 0.3712  $\text{ft}^3/\text{ft}$
  - c. 100' plug = 29  $\text{ft}^3$  cement.
  - d. Displace to balance plug with 8.33 ppg fluid
  - e. Slowly pull out of cement plug and lay down 150' of 2-3/8" tubing
  - f. Circulate tubing clear of cement with 8.33ppg fluid
15. TOOH laying down tubing to 100'.
16. Mix and pump a 100' cement plug (0' – 100') (Class A cement + 2%  $\text{CaCl}_2$ , zero excess, yield = 1.15  $\text{ft}^3/\text{sk}$ , WR = 5.2 gal/sk, minimum 500 psi compressive strength)
  - a. 16" Casing Volume = 1.2684  $\text{ft}^3/\text{ft}$
  - b. 10" OH Volume = 0.5454  $\text{ft}^3/\text{ft}$
  - c. 100' plug = 62  $\text{ft}^3$  cement.
  - d. Displace to balance plug with 8.33 ppg fluid
  - e. Slowly pull out of cement plug and lay down 100' of 2-3/8" tubing
  - f. Clean up tubing if possible
  - g. Install Monument Marker with API No.: 47-085-02530

*Jeremy Newlon*

*10-30-2025*

11/07/2025



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

*waiting for info  
has - 569 - 4586*

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

None Henry Cohen  
COAL OPERATOR OR COAL OWNER NAME OF WELL OPERATOR  
Suit 1702, Toyer Live Bldg., San Antonio, Texas  
ADDRESS COMPLETE ADDRESS

March 19, 1962 19  
COAL OPERATOR OR COAL OWNER PROPOSED LOCATION

Union District  
Ritchie County  
W. Va. 39° 10' N. 86° 55' E. 1008'  
OWNER OF MINERAL RIGHTS Well No.

Fullman W. Va. M. H. Cox Farm  
ADDRESS

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated March 1962 made by M. H. Cox to

Henry Cohen and recorded on the March 1962 day of March 1962 in the office of the County Clerk for said County in Book 95 p. page

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressed.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of the Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, Henry Cohen

By M. H. Cox Owner  
WELL OPERATOR Office of Oil and Gas

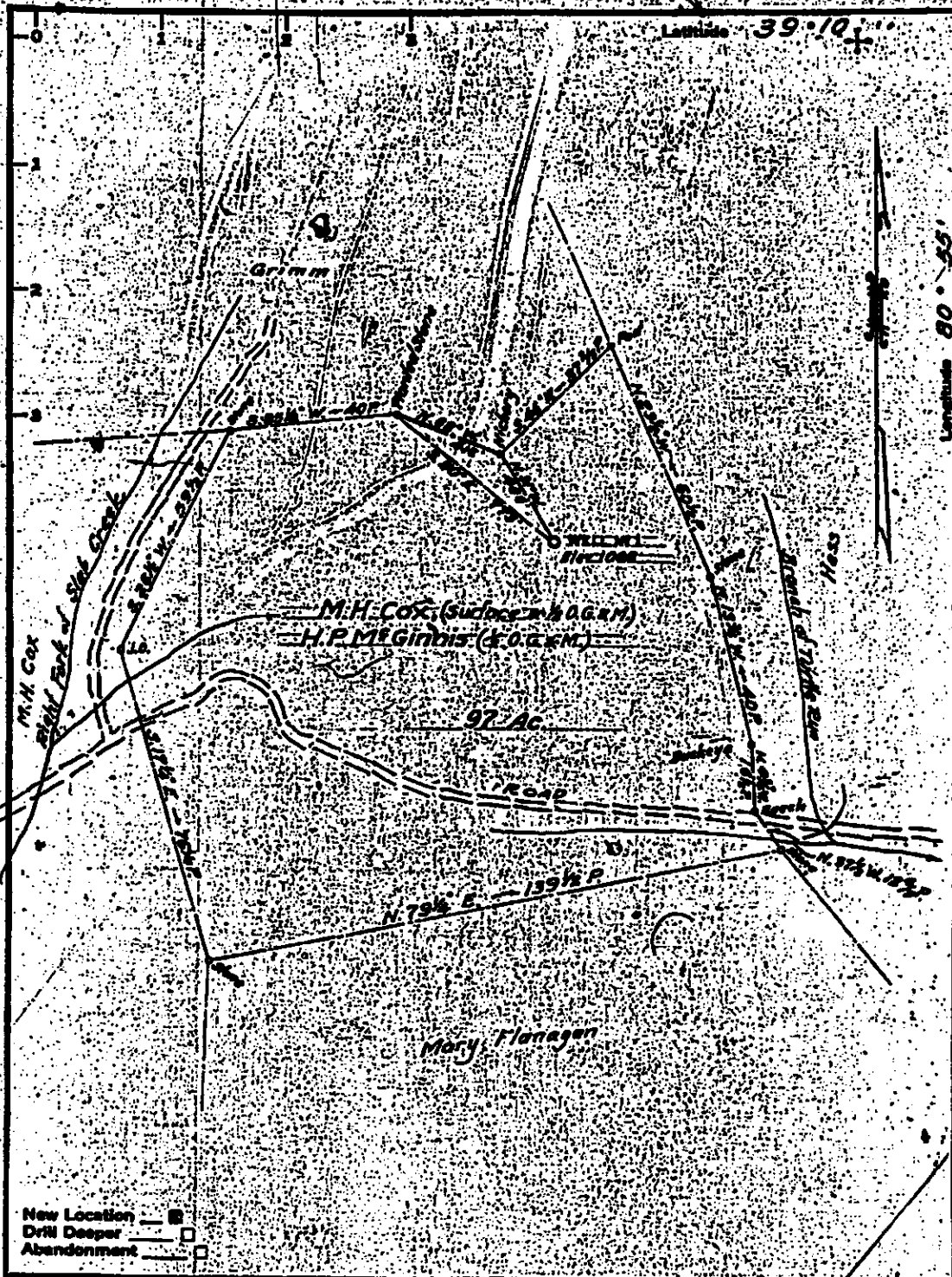
Suit 1702, Toyer Live Bldg., San Antonio, Texas  
ADDRESS

W. Va. SEP 18 2025  
CITY OR TOWN W. Va. Department of  
Environmental Protection



Address of Well Operator

Section 3 . . . If no such objections be filed or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.



Company Henry Cohen

Address Suite 1702, Trans World

Farm M.H. Cox

Tract 1 Acres 97 Lease No. 1

Well (Farm) No. 1 Serial No. 1000

Elevation (Spirit Level) 1000

Quadrangle Halbrook

County Ritchie District Union

Engineer Parker G. Peters

Engineer's Registration No. 485

File No. 1 Drawing No. 1

Date Mar. 12, 1962 Scale 1" = 30 P

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS  
OIL AND GAS DIVISION  
CHARLESTON SEP 18 2025  
WV Department of Environmental Protection

WELL LOCATION MAP  
FILE NO. Pir-1000

+ Denotes location of well on United States Topographic Map, 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.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 28

Quadrangle HOLBROOK

Permit No. RT 2530

WELL RECORD

Oil or Gas Well Oil

Company Henry Cohen

Address 1702 Tower Life Bldg. San Antonio, Tex.

Prop. M. H. Cox Acres 97

Location (State) Slab Creek

Well No. 2 Elev 1908

District Union County Ritchie

The surface of tract is owned in fee by M. H. Cox

Address Pullman, W. Va.

Mineral rights are owned by M. H. Cox

Address Pullman, W. Va.

Drilling commenced 4/5/62

Drilling completed 5/2/62

Date Shot From To

With

Open Flow /10ths Water in In

Volume /10ths Merc. in In

Rock Pressure lbs. hrs.

Oil lbs. 1st 24 hrs.

WELL ACIDIZED

WELL FRACTURED 5/25/62

RESULT AFTER TREATMENT Small oil well - Est. 5 BOPD

ROCK PRESSURE AFTER TREATMENT 130 lb. 24 hrs.

Fresh Water Feet Salt Water Feet

FORMATION COLOR HARD OR SOFT TOP BOTTOM OIL, GAS OR WATER DEPTH REMARKS

Clay 10 10

Sand 110 35

Slate 135 72

Red Rock 172 97

Slate 1970 118

Red Rock 1118 135

Slate Shells 1135 150

Sand 1150 195

Slate 1195 200

Lime, Gritty 1200 237

Slate 1237 245

Lime 1245 255

Red Rock, Lime Shells 1255 300

Red, Lime, Very Hard 1300 330

Red Rock 1330 366

Slate, Shells 1366 393

Sand, White, Hard 1397 420

Slate, Black 1420 455

Red Rock 1455 465

Lime 1465 493

Red Rock 1493 532

Lime 1532 545

Slate, Shells 1545 564

Slate 1564 574

Slate, Shells 1574 587

Red Rock 1587 610



CEMENTED Oil and Gas

18 2025

WV Department of Environmental Protection

11/07/2025

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	Line Shells		281	810			
Slate			610	657			
Slate			657	882			
Slate			682	725			
Line - hard			725	745			
Sand			745	793			
Slate			793	792			
Sand			792	832			
Red Rock			832	885			
Line			885	910			
Slate			910	918			
Line			918	954			
Slate, Shells			954	968			
Pink Rock			968	976			
Slat, Shells			976	1002			
Red Rock			1002	1026			
Slate			1026	1048			
Line			1048	1066			
Slate Shells			1066	1112			
Sand			1112	1148			
Slate			1148	1160			
Slate Shells			1160	1198			
Line			1198	1235			
Slate Shells			1235	1262			
Sand			1262	1348			
Line			1348	1371			
Sand			1371	1584			
Line			1584	1478			
Slate			1478	1427			
Slate			1427	1465			
Line			1465	1471			
Sand			1471	1545			
Slate			1545	1555			
Sand			1555	1580			
Slate			1580	1584			
Line Shells			1584	1605			
Sand			1605	1625			
Slate			1625	1646			
Line			1646	1762			
Sand			1762	1844	Bubble gas	1777-1786	
Line			1844	1850	Bubble gas	1834-1840	
Sand			1850	1886			
Slate			1886	1892			
Sand			1892	1905			
Slate, Line			1905	1958			
Sand			1958	1974	Bubble gas	1970	
Line			1974	2021			
And			2021	2080	Sh oil	2029	
Slate Shells			2080	2131	" "	2055-2062	

APPROVED: Henry Cohen  
 Date: May 29, 1962  
 Owner: *Wenzel L. Chas. (Title) Eng.*  
 RECEIVED  
 Office of Oil and Gas  
 SEP 8 2025  
 U.S. Department of  
 Environmental Protection

11/07/2025

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

## INSPECTOR'S WELL REPORT

Permit No.

Rit-2530

Oil or Gas Well  
(KIND)

Company <u>Henry Cohen</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size _____			
Farm <u>M.H. Cox</u>	16 _____			Kind of Packer _____
Well No. <u>1</u>	13 _____			Size of _____
District <u>Union</u> County <u>Ritchie</u>	10 _____			Depth set _____
Drilling commenced _____	8 1/2 _____			Perf. top _____
Drilling completed _____ Total depth _____	6 1/2 _____			Perf. bottom _____
Date shot _____ Depth of shot _____	5 3/16 _____			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3 _____			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2 _____			Perf. top _____
Volume _____ Cu. Ft.	Liners Used _____			Perf. bottom _____
Block pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls. 1st 24 hrs.	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Fresh water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Drillers' Names _____				

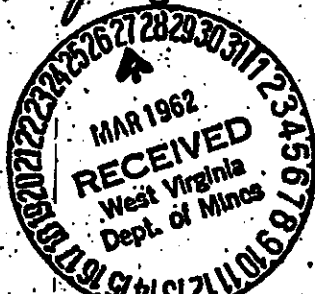
Remarks:

Location Graded so one moved  
in. Will keep close check on 8/25

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Office Of Oil and GasWV Department of  
Environmental Protection

3-22-62

DATE



Harry Stevens  
DISTRICT WELL INSPECTOR  
11/07/2025

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. Rit-2530 Proposed

Oil or Gas Well \_\_\_\_\_  
(SEMI)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Henry Cohen</u>	Size			
<u>San Antonio, Texas</u>	16			Kind of Packer
<u>M. H. Corp</u>	13			
Well No. _____	10			Size of
District _____ County _____	8 3/4			
Drilling commenced _____	6 3/16			Depth set
Drilling completed _____ Total depth _____	3			Perf. top
Date shot _____ Depth of shot _____	2			Perf. bottom
Initial Open flow _____ /10ths Water in _____ Inch	Liners Used			Perf. top
Open flow after tubing _____ /10ths Merc. in _____ Inch				Perf. bottom
Volume _____ Cu. Ft.				
Block pressure _____ lbs _____ hrs.				
Oil _____ bbls., 1st 24 hrs.				
Fresh water _____ feet _____ feet				
Salt water _____ feet _____ feet				

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names \_\_\_\_\_

Remarks:

Moving Rig for - 3/26/62

Rechecked 3/30/62 - Not Rigged up yet

Office Of \_\_\_\_\_

SEP 1 2025

WV Department of  
Environmental Protection

3-26-62

DATE

Harry Stevens  
DISTRICT INSPECTOR

11/07/2023

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No.

*Rit-2530*

Oil or Gas Well  
(KIND)

Company <i>Henry Cohen</i>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address	Size			
Farm <i>M. H. Cox</i>	24			Kind of Packer
Well No. <i>1</i>	13			Size of
District <i>Union</i> County <i>Ritchie</i>	10			Depth set
Drilling commenced	8 1/2			Perf. top
Drilling completed	0 1/2			Perf. bottom
Date shot	5 3/16			Perf. top
Depth of shot	3			Perf. bottom
Initial open flow	2			Perf. top
/10ths Water in	Liners Used			Perf. bottom
Open flow after tubing				
/10ths Merc. in				
Volume	CASING CEMENTED	SIZE	No. FT.	Date
Cu. Ft.				
Rock pressure				
lbs.				
hrs.				
Oil	COAL WAS ENCOUNTERED AT	FEET	INCHES	
bbls., 1st 24 hrs.				
fresh water	FEET	INCHES	FEET	INCHES
feet				
Salt water	FEET	INCHES	FEET	INCHES
feet				
Drillers' Names				

Remarks:

*Set up Ready to Start Drilling on Sunday*

RECEIVED  
Office Of Oil and Gas

SEP 18 2025

WV Department of  
Environmental Protection

*Harry Stevens*  
DISTRICT WELL INSPECTOR

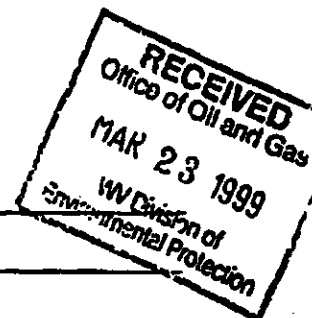
11/07/2025



*4-2-62*

DATE

## COMPLETE WELL INSPECTION FORM



API NUMBER 47-085-2530

WELL OPERATOR \_\_\_\_\_

FARM NAME \_\_\_\_\_

WELL NUMBER \_\_\_\_\_

## A. THE ACCESS ROAD MEETS ALL REQUIREMENTS?(22-6-30,22-6-6,35CSR-4-16)

- |    |                         |            |    |
|----|-------------------------|------------|----|
| 1. | CULVERTS SIZED PROPERLY | YES        | NO |
| 2. | PROPER CULVERT DEPTH    | YES        | NO |
| 3. | PROPER HEAD WALLS       | YES        | NO |
| 4. | DISSIPATING DEVICES     | YES        | NO |
| 5. | SPACING                 | YES        | NO |
| 6. | PROPERLY MAINTAINED     | YES        | NO |
| 7. | ALL PITS CLOSED         | <u>YES</u> | NO |

## B. IS WELL PROPERLY EQUIPPED AND THE SITE RECLAIMED?(22-6-30,22-6-6,35CSR-4-16)

- |    |  |            |           |
|----|--|------------|-----------|
| 1. | API NUMBER   | YES        | <u>NO</u> |
| 2. | DIVERSION DITCHES  | YES        | NO        |
| 3. | ALL DISTURBED AREAS RECLAIMED                                | <u>YES</u> | NO        |
| 4. | ARE ELECTRIC LINES SAFE <u>NO ELECTRIC LINES</u>             | <u>YES</u> | NO        |
| 5. | IS SITE FREE OF OIL, GAS, SALTWATER LEAKS                    | <u>YES</u> | NO        |
| 6. | IS WELL PRODUCING  | YES        | <u>NO</u> |
| 7. | HAVE PRODUCTION REPORTS BEEN FILED                           | YES        | NO        |
| 8. | PRESSURE ON COAL SEAM CASING HEAD <u>NO COAL SEAM CASING</u> | YES        | <u>NO</u> |

## C. DOES THE SPILL PREVENTION MEET ALL REQUIREMENTS?(22-6-7,35CSR1-7,35CSR-4-11 TO 17)

- |    |   |     |           |
|----|---|-----|-----------|
| 1. | IS THERE AN SPCC PLAN IMPLEMENTED?              | YES | <u>NO</u> |
| 2. | ARE TANKS PROPERLY EQUIPPED WITH THE FOLLOWING: |     |           |
|    | A. SECONDARY CONTAINMENT                        | YES | <u>NO</u> |
|    | B. VALVES                                       | YES | NO        |
|    | C. EQUALIZING LINES                             | YES | NO        |
|    | D. VENTS  | YES | NO        |

## D. ARE THE SECONDARY CONTAINMENT STRUCTURES PROPERLY CONSTRUCTED?

- |    |                      |                |     |    |
|----|----------------------|----------------|-----|----|
| 1. | IMPERVIOUS           | <u>NO DIKE</u> | YES | NO |
| 2. | DRAINS WITH VALVES   |                | YES | NO |
| 3. | DRAINS WITH RISER    |                | YES | NO |
| 4. | DIKES PROPERLY SIZED |                | YES | NO |

## E. WERE YOU ABLE TO DRIVE TO THIS WELL?

YES NO

## F. CAN YOU DETERMINE WHO ACTUALLY OPERATES THIS WELL?

YES NOG. CAN YOU DETERMINE THE METHOD OF SALTWATER DISPOSAL? ABANDONEDYES NO

## H. HOW CLOSE IS THE NEAREST DWELLING OR WATER WELL? \_\_\_\_\_ FT.

I. WAS THIS INSPECTION ROUTINE?  
SPECIFY (COMPLAINT, RANDOM, ETC.) \_\_\_\_\_RECEIVED YES NO  
Office Of Oil and Gas

## J. IS THIS WELL PART OF A SECONDARY RECOVERY FIELD?

SEP 1 1999 YES NOK. WERE ENFORCEMENT ACTIONS TAKEN AS A RESULT OF THIS INSPECTION?  
SPECIFY (VIOLATION, WARNING LETTER) \_\_\_\_\_WV Department of  
Environmental Protection YES NODATE 3-8-99INSPECTOR Samuel Herman

WW-4A  
Revised 6-07

1) Date: September 12, 2025  
2) Operator's Well Number  
1  
3) API Well No.: 47 - 085 - 02530

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

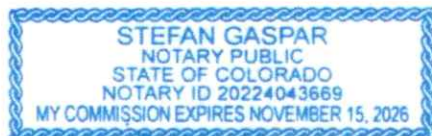
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Shelia Ross Cox</u>	Name <u></u>
Address <u>177 Cox Road</u>	Address <u></u>
<u>Harrisville, WV 26362</u>	<u></u>
(b) Name <u>Ray Sutorius</u>	(b) Coal Owner(s) with Declaration
Address <u>57 Church Street</u>	Name <u></u>
<u>Pullman, WV 26421</u>	Address <u></u>
(c) Name <u></u>	Name <u></u>
Address <u></u>	Address <u></u>
6) Inspector <u>Jeremy Newlon</u>	(c) Coal Lessee with Declaration
Address <u>8402 Staunton Turnpike</u>	Name <u></u>
<u>MacFarlan, WV 26148</u>	Address <u></u>
Telephone <u>(304) 951-2482</u>	<u></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: Jon McEvers  
Its: Senior VP of Operations  
Address 1615 Wynkoop Street  
Denver, CO 80202  
Telephone 303-357-7310

RECEIVED  
Office Of Oil and Gas

Subscribed and sworn before me this 17<sup>th</sup> day of September, 2025  
Stefan Gaspar Notary Public  
My Commission Expires November 15<sup>th</sup>, 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).

11/07/2025

CERTIFIED MAIL RECEIPT TO  
SURFACE OWNER  
WW-4A  
NOTICE OF APPLICATION TO PLUG  
AND ABANDON WELL



Cut on dotted line.

### Instructions

1. Please use a laser or laser-quality printer.
2. Adhere shipping label to package with tape or glue - DO NOT TAPE OVER BARCODE. Be sure all edges are secure. Self-adhesive label is recommended.
3. Place label so that it does not wrap around the edge of the package.
4. Each shipping label number is unique and can be used only once - DO NOT PHOTOCOPY.
5. Please use this shipping label on the "ship date" selected when you requested the label.
6. If a mailing receipt is required, present the article and Online e-Label Record at a Post Office for postmark.

<b>9405 5301 0935 5212 2499 11</b>	
Print Date: 2025-09-17	<b>PRIORITY MAIL®</b> <b>\$8.40</b>
Ship Date: 2025-09-17	<b>Extra Services:</b> <b>\$0.00</b>
	<b>Fees:</b> <b><u>\$0.00</u></b>
	<b>Total:</b> <b>\$8.40</b>
<b>From: ANTERO RESOURCES CORPORATION</b>	
<b>STEFAN GASPAR</b>	
<b>1615 WYNKOOP ST</b>	
<b>DENVER CO 80202-1106</b>	
<b>To: SHELIA ROSS COX</b>	
<b>177 COX RD</b>	
<b>HARRISVILLE WV 26362-7862</b>	

**RECEIVED**  
Of Oil and Gas  
**SEP 18 2025**  
WV Department of  
Environmental Protection

\* Commercial Pricing PRIORITY MAIL® rates apply. There is no fee for USPS Tracking® service on PRIORITY MAIL® service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.



**UNITED STATES POSTAL SERVICE®** Thank you for shipping with the United States Postal Service!  
Check the status of your shipment on the USPS Tracking® page at [usps.com](https://usps.com)

11/07/2025

**CERTIFIED MAIL RECEIPT TO  
SURFACE OWNER  
WW-4A  
NOTICE OF APPLICATION TO PLUG  
AND ABANDON WELL**



Cut on dotted line.

### Instructions

1. Please use a laser or laser-quality printer.
2. Adhere shipping label to package with tape or glue - DO NOT TAPE OVER BARCODE. Be sure all edges are secure. Self-adhesive label is recommended.
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6. If a mailing receipt is required, present the article and Online e-Label Record at a Post Office for postmark.

<b>9405 5301 0935 5212 2499 04</b>		
Print Date: 2025-09-17	PRIORITY MAIL®	\$8.40
Ship Date: 2025-09-17	Extra Services:	\$0.00
	Fees:	<u>\$0.00</u>
	Total:	<b>\$8.40</b>
 <b>From: ANTERO RESOURCES CORPORATION STEFAN GASPAR 1615 WYNKOOP ST DENVER CO 80202-1106</b>		
 <b>To:</b>		
<b>RAY SUTORIUS 57 CHURCH ST PULLMAN WV 26421-8023</b>		
<small>* Commercial Pricing PRIORITY MAIL® rates apply. There is no fee for USPS Tracking® service on PRIORITY MAIL® service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested within 30 days from the print date.</small>		

RECEIVED  
Office Of Oil and Gas  
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Environmental Protection



Thank you for shipping with the United States Postal Service!  
Check the status of your shipment on the USPS Tracking® page at [usps.com](https://usps.com)

11/07/2025

## SURFACE OWNER WAIVER

Operator's Well  
Number

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 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

Name  
By  
Its

Date

Signature

11/07/2025

WW-4B

API No.	47-085-02530
Farm Name	Antero Resources Corporation
Well No.	1

## INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

## WAIVER

The undersigned coal operator \_\_\_\_/ owner \_\_\_\_/ lessee \_\_\_\_/ of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Its \_\_\_\_\_

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Office Of Oil and Gas  
SEP 18 2025  
WV Department of  
Environmental Protection

11/07/2025

WW-9  
(4/16)

API Number 47 - 085 - 02530  
Operator's Well No. 1

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) South Fork Hughes River Quadrangle Pullman 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: No pit will be used at this site (Drilling and Flowback Fluids will be stored in tanks. Cuttings will be tanked and hauled off site.)

Will a synthetic liner be used in the pit? Yes ☐ No ☒ If so, what ml.? N/A

Proposed Disposal Method For Treated Pit Wastes:

- ☐ Land Application
- ☒ 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  
Wetzel County Landfill (Permit #SWF-1021))

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

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Surface - Air/freshwater, Intermediate - Dust/Stiff Foam, Production - Water Based Mud

-If oil based, what type? Synthetic, petroleum, etc. Synthetic

Additives to be used in drilling medium? Please See Attachment

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Drill cuttings stored in tanks, removed offsite and taken to landfill.

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-Landfill or offsite name/permit number? Meadowfill Landfill (Permit #SWF-1032-98), Northwestern Landfill (Permit # SWF-1025/WV0109410)  
Wetzel County Landfill (Permit #SWF-1021)

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 August 1, 2005, 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

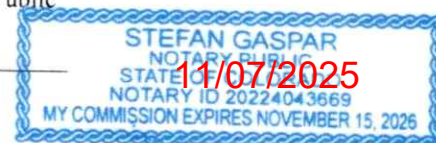
Company Official Title Director Environmental & Regulatory Compliance

Subscribed and sworn before me this 17th day of September, 2025

Stefan Gaspar

Notary Public

My commission expires November 15, 2026



**Antero Resources Corporation**Proposed Revegetation Treatment: Acres Disturbed 1.61 acres Prevegetation pH \_\_\_\_\_Lime 2-4 Tons/acre or to correct to pH 6.5Fertilizer type Hay or straw or Wood Fiber (will be used where needed)Fertilizer amount 500 lbs/acreMulch 2-3 Tons/acre**Seed Mixtures****Temporary**

Seed Type	lbs/acre
Annual Ryegrass	40
Field Bromegrass	40

See attached Table IV-3 for additional seed type (Hager Plugging Plan Design)

\*or type of grass seed requested by surface owner

**Permanent**

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

See attached Table IV-4A for additional seed type (Hager Plugging Plan Design)

\*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, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Jeremy Newlon

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

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SEP 18 2025

 WV Department of  
 Environmental Protection
Title: Oil & Gas InspectorDate: 10-23-2025

Field Reviewed?

☒ Yes☐ No

11/07/2025

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-085-02530 WELL NO.: 1

FARM NAME: Hager

RESPONSIBLE PARTY NAME: Antero Resources Corporation

COUNTY: Ritchie DISTRICT: Union

QUADRANGLE: Pullman

SURFACE OWNER: Kim Sutorius & Ray, Cox, Sheila Ross

ROYALTY OWNER: Unknown

UTM GPS NORTHING: 4334848.18 m

UTM GPS EASTING: 506004.40 m GPS ELEVATION: 1,070 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 X : Post Processed Differential \_\_\_\_\_

Real-Time Differential X

Mapping Grade GPS X : Post Processed Differential \_\_\_\_\_

Real-Time Differential X

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.

Mam Tur  
Signature

Permitting Manager  
Title

9/17/25  
Date

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SEP 18 2025

WV Department of  
Environmental Protection

11/07/2025

API# 47-085-02530

WELL #1

WELL PLUGGING PLAN

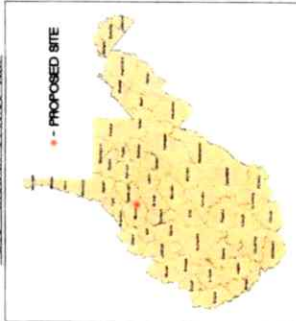
UNION DISTRICT, RITCHIE COUNTY, WV  
SLAB CREEK-SOUTH FORK HUGHES RIVER WATERSHED

PULLMAN USGS 7.5 QUAD MAP(S)



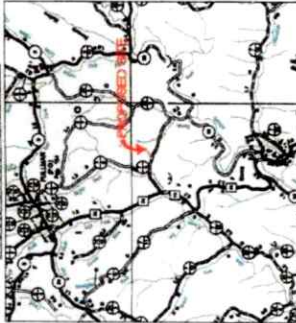
SCALE: 1" = 200'

WEST VIRGINIA COUNTY MAP



(NOT TO SCALE)

WYDICH COUNTY ROAD MAP



SCALE: 1" = 5000'

**DESIGN CERTIFICATION**  
THE INFORMATION CONTAINED HEREIN AND THE ENGINEERING THEREON HAVE BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF SOL AND GAS CIB 35-B

MISS Utility of West Virginia  
1-800-245-4048  
West Virginia State Law  
(Section XIV Chapter 22-2-C)  
Requires that you obtain all necessary permits before you dig in the state of West Virginia  
IT'S THE LAW!!

**LOCATION COORDINATES**

WELL PAD ENTRANCE (EOD 7/10)  
LATITUDE: 39.16183 (NAD 83)  
LONGITUDE: -80.825266 (NAD 27)  
N 4334874.84 E 569771.55 (UTM ZONE 17 METERS)

**GENERAL DESCRIPTION**

THE ACCESS ROADS AND WELL PAD ARE BEING UPGRADED TO AID IN THE PLUGGING OF EXISTING INDIVIDUAL GAS WELLS.

**FLOODPLAIN NOTES:**

THE PROPOSED SITE IS LOCATED WITHIN FEMA FLOOD ZONE "X" PER FEMA FLOOD MAP #44050205C.

**MISS UTILITY STATEMENT:**

MISS UTILITY HAS BEEN NOTIFIED BY MISS UTILITY OF WEST VIRGINIA FOR THE LOCATING OF UTILITIES PRIOR TO THIS PROJECT DESIGN. IN ADDITION, MISS UTILITY WILL BE CONTACTED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT.

**ENTRANCE PERMIT:**

ANTERO RESOURCES CORPORATION WILL OBTAIN AN ENCROACHMENT PERMIT (FORM AN-109) FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

**PROJECT CONTACTS:**

**OPERATOR:**  
ANTERO RESOURCES CORPORATION  
525 WHITE OAKS BLVD  
BRIDGEPORT, WV 26330  
TEL: (304) 442-4100  
FAX: (304) 842-4102

**ELI MAGNUSON - ENVIRONMENTAL ENGINEER & REGULATORY MANAGER**  
OFFICE: (304) 842-4066 CELL: (304) 476-8770

**JOHN McIVER - SVF OPERATIONS**  
OFFICE: (302) 357-8799

**MARION KUNGLER - CONSTRUCTION MANAGER**  
CELL: (304) 842-4181

**ROBERT WINGS - DESIGN MANAGER**  
OFFICE: (304) 842-4100 CELL: (304) 827-7405

**TI McCULLOUGH - UTILITY COORDINATOR**  
CELL: (304) 841-0827

**ENVIRONMENTAL:**  
KLEINFELDER  
OFFICE: (800) 862-4105 CELL: (540) 686-0747

**ENVIRONMENTAL:**  
KLEINFELDER  
OFFICE: (703) 774-7075 CELL: (609) 947-5396

**ENVIRONMENTAL:**  
ALISTAR ECOLOGICAL, LLC  
RYAN L. WARD - ENVIRONMENTAL SCIENTIST  
(800) 213-2866 CELL: (304) 692-7477

**GEOTECHNICAL:**  
CHRISTOPHER W. SANDS & ASSOCIATES, INC.  
CHRISTOPHER W. SANDS - PROJECT ENGINEER  
OFFICE: (412) 372-4000 CELL: (412) 588-0662

**SHEET INDEX:**

- 1 - COVER SHEET
- 2 - CONSTRUCTION AND GAS CONTROLS NOTES
- 3 - CONSTRUCTION DETAILS
- 4 - PLUGGING PLAN
- 5 - CONSTRUCTION DETAILS

WEST VIRGINIA STATE PLANE COORDINATE SYSTEM  
NORTH ZONE, NAD83  
ELEVATION BASED ON MEAN SEA LEVEL  
ESTABLISHED BY SURVEY GRADE GPS & CPUS  
POINT - PROCESSING

WELL LIMITS OF DISTURBANCE AREA (AC)	
Total Site	1.81
Total Affected Area	1.81
Total Wooded Area	1.81
Impacts to Soil & Dry Deposition & Shrub Rose Canopy 65-29	1.81
Total Wooded Area Disturbed	0.58

Well Name	Well ID	Well Depth	Well Status	Well Type	Well Location	Well Depth	Well Status	Well Type	Well Location
WELL #1	W1	1717	Active	Oil	W1	1717	Active	Oil	W1
WELL #2	W2	1717	Active	Oil	W2	1717	Active	Oil	W2
WELL #3	W3	1717	Active	Oil	W3	1717	Active	Oil	W3
WELL #4	W4	1717	Active	Oil	W4	1717	Active	Oil	W4
WELL #5	W5	1717	Active	Oil	W5	1717	Active	Oil	W5
WELL #6	W6	1717	Active	Oil	W6	1717	Active	Oil	W6
WELL #7	W7	1717	Active	Oil	W7	1717	Active	Oil	W7
WELL #8	W8	1717	Active	Oil	W8	1717	Active	Oil	W8
WELL #9	W9	1717	Active	Oil	W9	1717	Active	Oil	W9
WELL #10	W10	1717	Active	Oil	W10	1717	Active	Oil	W10

NAVITUS  
ENERGY ENGINEERING  
www.navituseng.com (202) 662-4125



COVER SHEET  
HAGER  
WELL PAD  
UNION DISTRICT  
RITCHIE COUNTY, WEST VIRGINIA



DATE: 08/10/2023  
SCALE: AS SHOWN  
SHEET 1 OF 5

11/07/2025



LEGEND

LEGEND	
EX INDEX CONTOUR & CONTOUR LABEL	1000
EX INTERMEDIATE CONTOUR	
EX PROPERTY LINE	
EX EDGE OF GRAVEL/DOOT	
EX EDGE OF PAVEMENT	
EX ROAD CENTERLINE	
EX EDGE OF CONCRETE	
EX CHAMBERLAIN	
EX BRIDGE	
EX INFRASTRUCTURE FEATURE	
EX INF-RAP	
EX CULVERT	
EX TRENCH	
EX BUILDING	
EX MISCELLANEOUS FEATURE	
EX 100-15 FEET FLOODPLAIN	
EX DELINEATED STREAM	
EX DELINEATED WETLAND/POND	
100' WETLAND/STREAM BUFFER	
STREAM/WETLAND DELINEATION STUDY AREA	
EX FENCELINE/PERIMETER SAFETY FENCE	
EX GATE	
EX ACCESS GATE WITH EMERGENCY LIFELINE	
EX WELL HEAD OR DESIGNED PAD	
EX GAS WELL	
EX PIPELINE	
EX PIPELINE R/W	
EX PIPELINE METER	
EX PIPELINE VALVE	
EX PIT	
EX POWER POLE/UTILITY WIRE	
EX OVERHEAD UTILITY	
EX UNDERGROUND ELECTRIC	
EX UNDERGROUND TELEPHONE	
EX UNDERGROUND FIBER OPTIC	
EX UTILITY R/W	
EX WATERLINE	
EX SANITARY LINE	
EX WATER WELL/DE SPRING	
EX COMPOST DOCK	
EX RUBBER BELT FENCE	
EX SILENT FENCE	
EX STREAM BATTLE	
EX RIGHT-OF-WAY	
EX ROADWAY BASE FALINE	
EX WATERLINE	
EX ACCESS GATE WITH EMERGENCY LIFELINE	
EX POWER POLE/UTILITY WIRE	
EX OVERHEAD UTILITY	
EX POWER POLE/UTILITY WIRE	
EX OVERHEAD UTILITY R/W	
EX TELEPHONE LINE	
EX WATERLINE	
EX RIGHT-OF-WAY	
EX PERMANENT DRAINAGE EASEMENT	
EX TEMPORARY CONSTRUCTION EASEMENT	
EX MOBILE LOCATION	
EX SECTION/PROFILE CHD INDEX	
EX SECTION/PROFILE CHD INTERMEDIATE	
EX SECTION/PROFILE PROPOSED GRADE	
EX SECTION/PROFILE EXISTING GRADE	
EX SECTION/PROFILE WATER SURFACE	
EX SECTION/PROFILE CULVERT	

REVISION

DATE



ANTERO RESOURCES  
WELL PAD

LEGEND  
HAGER  
WELL PAD  
UNION DISTRICT  
RITCHIE COUNTY, WEST VIRGINIA

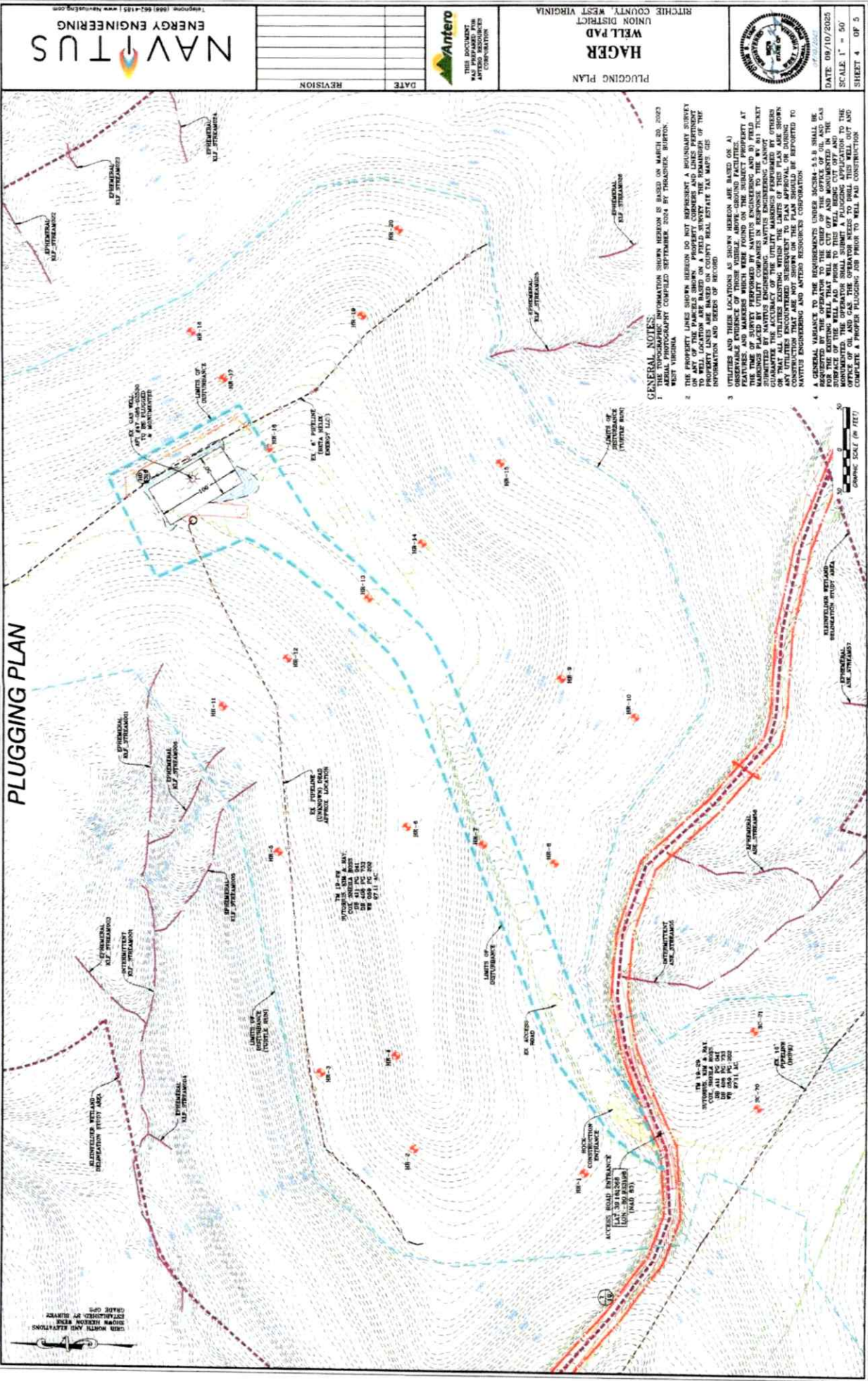


DATE 08/10/2025

SCALE N/A

SHEET 3 OF 5

PLUGGING PLAN



NAVITUS  
ENERGY ENGINEERING

REVISION	DATE



HAGER  
WELL PAD  
PLUGGING PLAN  
UNION DISTRICT  
RITCHIE COUNTY, WEST VIRGINIA



DATE 08/10/2025  
SCALE 1" = 50'  
SHEET 4 OF 5

**GENERAL NOTES:**

1. THE TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED ON MARSH 20, 2023 SURVEY DATA. THE TOPOGRAPHIC INFORMATION COMPILED SEPTEMBER 2024 BY THOMAS, BURTON, WEST VIRGINIA.
2. THE PROPERTY LINES SHOWN HEREON DO NOT REPRESENT A BOUNDARY SURVEY ON ANY OF THE PARCELS SHOWN. PROPERTY CORNERS AND LINES PERTINENT TO THE WELL PAD ARE SHOWN. THE PROPERTY LINES ARE BASED ON COUNTY REAL ESTATE TAX MAPS. THE INFORMATION AND ORDER OF RECORD.
3. UTILITIES AND THEIR LOCATIONS AS SHOWN HEREON ARE BASED ON A) OBSERVABLE EVIDENCE OF THOSE UTILITIES, ABOVE-GROUND FACILITIES, AND B) RECORD DRAWINGS. THE INFORMATION IS NOT GUARANTEED BY NAVITUS AT THE TIME OF SURVEY PERFORMED BY NAVITUS ENGINEERING AND IS FIELD MARGINS PLACED BY UTILITY COMPANIES IN RESPONSE TO THE 8" BY 11" TICKET GUARANTEE THE ACCURACY OF THE UTILITY MARGINS PERFORMED BY OTHERS. NAVITUS ENGINEERING AND ITS SUBSIDIARIES SHALL NOT BE RESPONSIBLE FOR ANY CONSTRUCTION THAT ARE NOT SHOWN ON THE PLAN SHOULD BE REPORTED TO NAVITUS ENGINEERING AND NOTED RESOURCES CORPORATION.
4. A GENERAL VARIANCE TO THE REQUIREMENTS UNDER 30CSR4-5.5.B SHALL BE FOR THE EXISTING WELL THAT WILL BE CUT OFF AND MONUMENTED IN THE SURFACE OF THE OIL AND GAS. THE OPERATOR SHALL SUBMIT A PLUGGING APPLICATION TO THE OFFICE OF OIL AND GAS. THE OPERATOR NEEDS TO DRILL THIS WELL OUT AND COMPLETE A PROPER PLUGGING JOB PRIOR TO WELL PAD CONSTRUCTION.

11/07/2025

PM 7.8



Journal of Management Inquiry 22(1)



- Source: U.S. Census Bureau, *U.S. Census of Population, Housing, and Agriculture*, 1990, Table NC-100-1.

### TAKING FROM THE

• **General Properties**

- 100

100

- SECTION  
NOTES**

PLANNING SHOULD  
TAKEN IN-43, AND B

- Abstract**

• **PERSONAL PREFERENCES**

- THE NEW YORK PUBLIC LIBRARY

1000

- 100

[illegible][illegible]

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1994

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**Investment Case**

NOTE: These matters should be processed by VMS if patented April 15 - August 1 and October 1 - March 1

NOTE: These matters should be processed by VMS if patented April 15 - August 1 and October 1 - March 1

[illegible]

The add can be discriminated with a portable old testing kit or by sending the rod samples to a soil testing

200

**Letter Request:** \_\_\_\_\_

Farm Handy S

\* Lathyrus sativus is potentially poisonous to some livestock. All legumes should be planted with proper

## CONSTRUCTION DETAILS

HAGER  
WELL PAD  
ION DISTRIB

UNION DISTRICT  
RITCHIE COUNTY, WEST VIRGINIA

DATE 06/10/2000  
PAGE 11/1

SCALE	N/A	OF 5
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September 17, 2025

West Virginia Department of Environmental Protection  
Office of Oil and Gas  
Attn: Mr. Jeff McLaughlin  
601 57<sup>th</sup> Street  
Charleston, WV 25304

Antero Resources  
1615 Wynkoop Street  
Denver, CO 80202  
Office 303.357.7310  
Fax 303.357.7315

**Plugging Permit Application – Well No. 1 (Hager Pad)**

Mr. McLaughlin:

Antero Resources Corporation (Antero) would like to submit the following application for permit to plug and abandon the existing well operated by Antero Resources Corporation in Ritchie County, West Virginia.

Attached you will find the following:

- Plug and Abandon Permit Application packages

If you have any questions please feel free to contact me at (303) 357-6959.

Thank you in advance for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "S Gaspar", written over a light blue horizontal line.

Stefan Gaspar  
Permitting Agent  
Antero Resources Corporation

RECEIVED  
Office Of Oil and Gas  
SEP 18 2025  
WV Department of  
Environmental Protection

Enclosures

11/07/2025



Kennedy, James P &lt;james.p.kennedy@wv.gov&gt;

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**plugging permit issued for 4708502530**

1 message

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**Kennedy, James P** <james.p.kennedy@wv.gov>

Fri, Oct 31, 2025 at 1:21 PM

To: Jeremy D Newlon &lt;jeremy.d.newlon@wv.gov&gt;, amossor@wvassessor.com, AJ Carlson &lt;acarlson@anteroresources.com&gt;

To whom it may concern, a plugging permit has been issued for 4708502530.

--

***James Kennedy***

Environmental Resource Specialist III / Permitting

WVDEP Office of Oil and Gas

601 57<sup>th</sup> Street, SE

Charleston, WV 25304

304-926-0499 ext. 45025

[james.p.kennedy@wv.gov](mailto:james.p.kennedy@wv.gov)**4708502530.pdf**

3800K

11/07/2025