



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, May 6, 2024
WELL WORK PLUGGING PERMIT
Horizontal 6A Plugging

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit approval for SHUMAN HAYNES 1H
47-103-02936-00-00

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:
Farm Name: HAYNES, SHUMAN
U.S. WELL NUMBER: 47-103-02936-00-00
Horizontal 6A Plugging
Date Issued: 5/6/2024

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. 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 March 21, 2024
2) Operator's
Well No. Shuman Haynes Unit 1H
3) API Well No. 47-103 - 02936

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 840' Watershed Little Fishing Creek
District Center County Wetzel Quadrangle Pine Grove 7.5'
- 6) Well Operator Antero Resources Corporation 7) Designated Agent Kevin Ellis
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 Stephen McCoy 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

SMY

Date

4-14-24



Shuman Haynes 1H
Wetzel County, WV
API #47-103-02936

Objective: Plug and Abandon from 6,500' TD

Well Design:

- 26" 85# Conductor @ 40' - Cemented to Surface
- 16" 52.5# Surface Casing @ 300' - Cemented to Surface
- 11-3/4" 42# Coal String @ 1,167' - Cemented to Surface
- 8-5/8" 32# Intermediate Casing @ 2,424' - Cemented to Surface - 8.921" ID - casing @ 2242 per wt 35
- 5-1/2" 23# Production Casing @ 13,931' - Cemented to 1,742 (500' inside Intermediate)

Freshwater 105' (641 687)' Elevation 842'

Oil and Gas Zones:

1. Saltwater - 1,730'
2. Big Lime - 6,514' - 6,737'

Procedure:

1. Check and record casing surface pressures into Wellview. Verify no pressure behind 9 5/8". 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. MIRU Wireline unit.
5. Run in hole with cast iron bridge plug (CIBP) to max allowable depth. Set CIBP in 5 1/2" casing to isolate horizontal. Estimated reachable depth based on deviation ~6,500'
6. MIRU Service rig with JU Head. Pressure test well control equipment.
7. RIH with 2 3/8" tubing to TD. Load hole with 6% Gel, if not already loaded.
- ✓ 8. Pull up 10' off bottom, MIRU cement services. Mix and pump a 100' cement plug (6,400' - 6,500') (Class A cement + 2% CaCl₂, zero excess, yield = 1.15 ft³/sk, WR = 5.2 gal/sk, minimum 500 psi compressive strength)
 - a. 5 1/2" Casing Volume = 0.1189 ft³/ft
 - b. 100' plug = 12 ft³ 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
9. TOOH laying down tubing to 2,475'.
- ✓ 10. MIRU cement services. Mix and pump a 100' cement plug over intermediate casing shoe (2,375' - 2,475') (Class A cement + 2% CaCl₂, zero excess, yield = 1.15 ft³/sk, WR = 5.2 gal/sk, minimum 500 psi compressive strength)
 - a. 5 1/2" Casing Volume = 0.1189 ft³/ft
 - b. 100' plug = 12 ft³ 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. TOOH racking back tubing
- ✓ 12. MIRU wireline services, run free point, cut 5 1/2" casing. Ensure casing is free and RDMO wireline.
13. TOOH while laying down 5 1/2" casing.
- ✓ 14. RIH 2-3/8" work string to 50' past estimated casing cut @ 1,740'

2192
2292
J. Haynes
05/10/2024
17-24

15. MIRU cement services. Mix and pump a 100' cement plug (1,690'-1,790') (Class A cement + 2% CaCl₂, zero excess, yield = 1.15 ft³/sk, WR = 5.2 gal/sk, minimum 500 psi compressive strength)

- a. 8 5/8" Casing Volume = 0.3422 ft³/ft
- b. 100' plug = 35 ft³ 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

1080
5 1/2 Freepoint is saltwater plug

16. TOOH laying down tubing to 300'.

17. Mix and pump the final cement plug to fill up 8-5/8" casing from 150' to surface.

- a. Mix and pump 7 bbis 10ppg 35ppb weighted Eco spacer from 150'-300' prior to final plug to support cement column
 - a. TOOH to 150'

b. 66 ft³ Class A cement + 2% CaCl₂, zero excess, yield = 1.15 ft³/sk, WR = 5.2 gal/sk, minimum 500 psi compressive strength)

- a. 8 5/8" Casing Volume = 0.3422 ft³/ft
- b. 150' plug = 52 ft³ cement
- c. Slowly pull out of cement plug while laying down 150' of 2-3/8" tubing
- d. Clean up tubing if possible
- e. Install Monument Marker with API No.: 47-103-02936

Add Plugs - 11 3/4 shoe 1217-1117

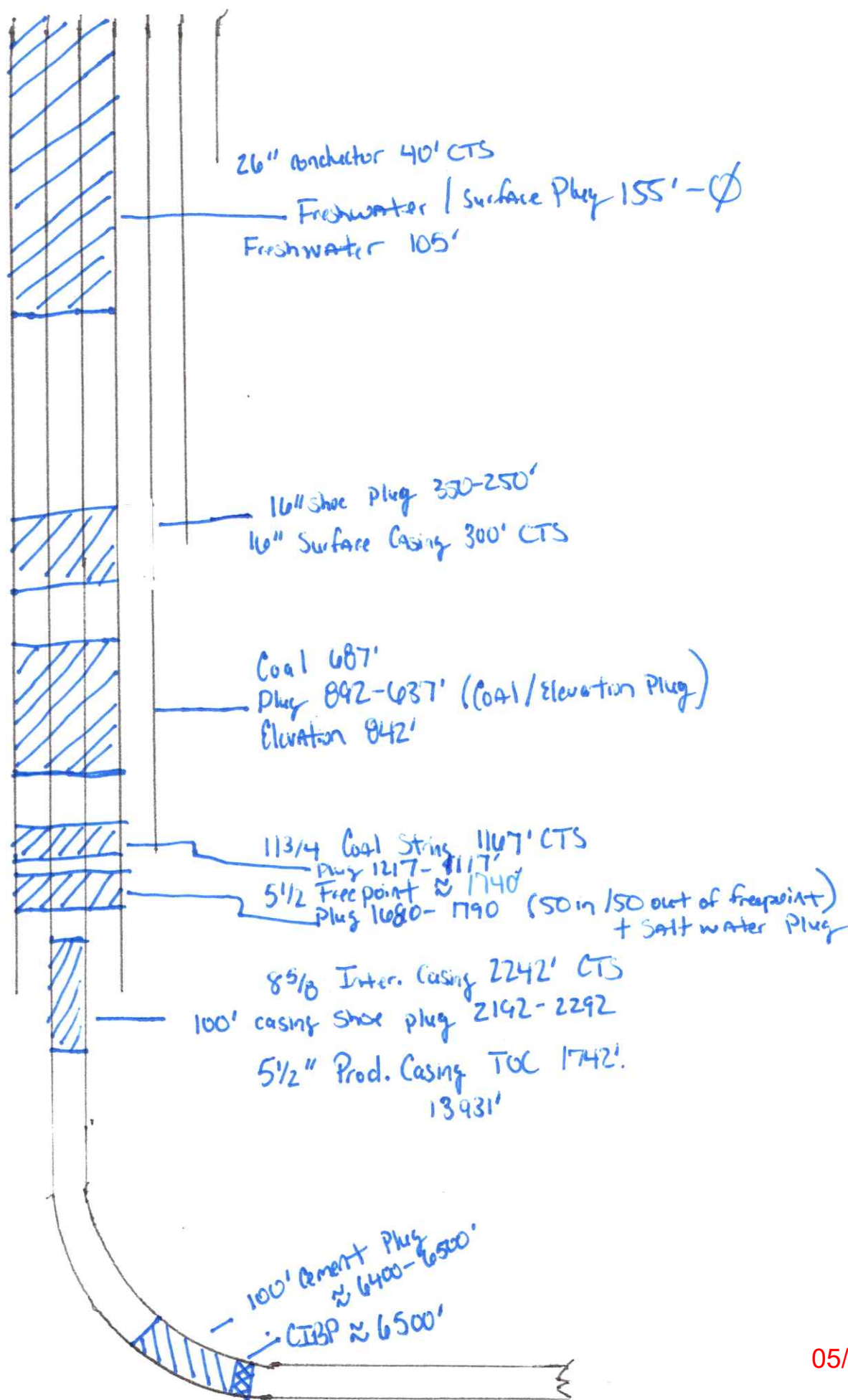
COO/Elev. Plug 892-637

Cement 10" shoe 350-250

F. W. Plug 250-0

05/10/2024

JMK
4-17-24



26" conductor 40' CTS

Freshwater / Surface Plug 155' - ϕ
 Freshwater 105'

16" shoe plug 350-250'
 16" Surface Casing 300' CTS

Coal 687'
 Plug 842-687' (Coal/Elevation Plug)
 Elevation 842'

1 1/4" Coal String 1107' CTS
 Plug 1217-1117'
 5 1/2" Free point \approx 1740'
 Plug 1680-1790 (50 in / 150 out of free point)
 + Salt water Plug

8 5/8" Inter. Casing 2242' CTS
 100' casing shoe plug 2192-2292

5 1/2" Prod. Casing TDC 1742'
 13931'

100' Cement Plug
 \approx 6400-6500'
 CIBP \approx 6500'

05/10/2024

Handwritten signature
 4-17-24

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47-103-02936 County Wetzel District Center
Quad Pine Grove, WV 7.5' Pad Name Shuman Haynes Field/Pool Name Wileyville
Farm name Haynes, Shuman Well Number Shuman Haynes 1H
Operator (as registered with the OOG) D.A.C. Energy, LLC.
Address P.O. Box 99 City Alma State WV Zip 26320

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4386905.65 Easting 529713.75
Landing Point of Curve Northing 4386086.051 Easting 529575.733
Bottom Hole Northing 4387567.433 Easting 528214.031

Elevation (ft) 842 GL Type of Well New Existing Type of Report Interim Final *Permit Expired*
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine
Mud Type(s) and Additive(s)
Synthetic Oil Based Mud: Carbo-Gel II, Carbo-Tec, Mil-Lime, Mil-Bar 410, Calcium Chloride, Next-Mul HT, Next Drill, Next Base, Next-FLC

Date permit issued 11/15/2013 Date drilling commenced 9/30/15 Date drilling ceased 9/9/16
Date completion activities began N/A Date completion activities ceased N/A
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 105' (Hole Damp) Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1730' (Hole Damp) Void(s) encountered (Y/N) depths N
Coal depth(s) ft 687' Cavern(s) encountered (Y/N) depths N

Is coal being mined in area (Y/N) N

APPROVED

NAME: Jackie Shuman
DATE: 12/15/16

Reviewed by: _____
Smiley
02/03/2017
4-10-24
05/10/2024

REC'D
Office of Oil and Gas
DEC 22 2016
N/A
N/A
WV Department of Environmental Protection

API 47-103 - 02936

Farm name Haynes, Shuman

Well number Shuman Haynes 1H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade w/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	30"	26"	40'	New	85 lb./ft.	none	Y
Surface	20"	16"	300'	New	52.50 lb./ft.	84	Y (5 bbls)
Coal	15"	11 3/4"	1,167'	New	42 lb./ft.	84	Y (1-2 bbls)
Intermediate 1	10 5/8"	8 5/8"	2,242'	New	32 lb./ft.	84	Y (8 bbls)
Intermediate 2							N
Intermediate 3							
Production	7 7/8"	5 1/2"	13,931'	New	23 lb./ft. & 20 lb./ft.	none	1742' (500' inside intern.)
Tubing							
Packer type and depth set							

Comment Details *On the production string all the full joints are 23 lb./ft. P-110 casing. There is 2-10' pup joints in the string (one at toe/one at top of curve), both of them are 20 lb./ft. P-110

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Type 1			1.18		Cemented to Surface	Over a month
Surface	Type 1	312	15.6	1.20	374.4	Cemented to Surface	8
Coal	Type 1	553	16.6	1.19	658.1	Cemented to Surface	8
Intermediate 1	Type 1	571	15.7	1.19	727.6	Cemented to Surface	8
Intermediate 2							
Intermediate 3							
Production	Class H	Lead: 585/Tail: 804	13.50/15.20	1.62/1.83	712/1103.2	1742' (500' inside intern.)	12
Tubing							

Drillers TD (ft) TVD: 7007' TMD: 13,895.08 Loggers TD (ft) TVD: 7002' TMD: 13,895.08

Deepest formation penetrated Onondaga Plug back to (ft) 5857' (pumped 2 balanced plugs)

Plug back procedure Tripped into bottom with open ended drill pipe. Pumped 2 balanced plugs totaling 1360'. Estimated TOC Cement kick plug was 5,857'. Drilled cement and kicked off vertical hole section at 5,813'.

Kick off depth (ft) 5813'

Check all wireline logs run caliper density deviated/directional induction neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING

Conductor: No Centralizers Were Used
 Surface: Every 3rd Jt and top 2 Jts
 Intermediate #1: Every 3rd Jt and top 2 Jts
 Intermediate #2: Every 3rd Jt and top 2 Jts Production: Lateral & Curve- EconoGlide Centralizers on Every other Jt Vertical Hole Section-Bow Spring Centralizers on Every other Jt

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS Well has not yet been completed

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS Well has not yet been completed

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED Well has not yet been completed

RECEIVED
 Office of Oil and Gas
 DEC 02 2016
 WV Department of Environmental Protection

02/03/2017

05/10/2024

API 47- 103 - 02936 Farm name Haynes, Shuman Well number Shuman Haynes 1H

PRODUCING FORMATION(S)	DEPTHS	
	TVD	MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump
 SHUT-IN PRESSURE Surface _____ psi Bottom Hole _____ psi DURATION OF TEST _____ hrs
 OPEN FLOW Gas _____ mcfpd Oil _____ bpd NGL _____ bpd Water _____ bpd GAS MEASURED BY
 Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		
Freshwater	105				Hole Damp
Coal	687'				Formation Top
Saltwater	1730'				Hole Damp
Gordon	2780'				Formation Top
Beyard	2950'				Formation Top
Sonya	6357'				Formation Top
Genessee	6553'				Formation Top
Genessec	6655'				Formation Top
Tully	6695'				Formation Top
Hamilton	6705'				Formation Top
Marcellus	8857'				Formation Top
Onondaga	6907'				Formation Top

Please insert additional pages as applicable.

Drilling Contractor see attached sheets
 Address _____ City _____ State _____ Zip _____

Logging Company Baker Hughes
 Address 2226 Phillip Pike City Clarksburg State WV Zip 26301

Cementing Company see attached sheets
 Address _____ City _____ State _____ Zip _____

Stimulating Company has not yet been stimulated
 Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by Lance M. Hickman Telephone 304-758-4638 Office of Oil and Gas
 Signature [Signature] Title Petroleum Engineer Date 11/28/2016

RECEIVED
Office of Oil and Gas
DEC 02 2016

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry
 WV Department of Environmental Protection

05/10/2024

Drilling Contractor(s):

Hall Drilling, LLC.

1137 E. Washington Ave

Ellenboro, WV

26346

Nomac Drilling, LLC.

P.O. Box 650840

Dallas, TX

75265-0840

Cementing Contractors(s):

Universal Well Services

P.O. Box 200969

Dallas, TX 75320-0969

C & J Spec-Rent Services, Inc.

3990 Rogerdale

Houston, TX 77042

02/03/2017

05/10/2024

WW-4A
Revised 6-07

1) Date: 3/21/2024
2) Operator's Well Number
Shuman Haynes Unit 1H
3) API Well No.: 47 - 103 - 02936

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>John A. & Phillip K. Haynes</u>	Name _____
Address <u>15 Postlethwait Ridge Road</u>	Address _____
<u>Wileyville, WV 26581</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Isaiah Richards</u>	(c) Coal Lessee with Declaration
Address <u>601 57th Street SE</u>	Name _____
<u>Charleston, WV 25304</u>	Address _____
Telephone <u>304 205 3032</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.

CARLY RAYNE MARVEL
Notary Public
State of Colorado
Notary ID # 20224038743
My Commission Expires 10-05-2026

Well Operator	<u>Antero Resources Corporation</u>
By:	<u>Jon McEvers</u>
Its:	<u>Senior VP of Operations</u>
Address	<u>1615 Wynkoop Street</u>
	<u>Denver, CO 80202</u>
Telephone	<u>303-357-7310</u>

Subscribed and sworn before me this 9th day of April 2024
Carly Rayne Marvel Notary Public
My Commission Expires 10-5-2026

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 depprivacyoffier@wv.gov.

05/10/2024

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

Cut on dotted line.

Instructions

1. Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. **DO NOT PHOTO COPY OR ALTER LABEL.**
2. Place your label so it does not wrap around the edge of the package.
3. Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, **DO NOT TAPE OVER BARCODE.** Be sure all edges are secure.
4. To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.
5. Mail your package on the "Ship Date" you selected when creating this label.

Click-N-Ship® Label Record

USPS TRACKING # : 9405 5036 9930 0678 1060 41	
Trans. #: 601634414	Priority Mail® Postage: \$10.15
Print Date: 04/10/2024	Total: \$10.15
Ship Date: 04/10/2024	
Expected Delivery Date: 04/13/2024	
From: CARLY MARVEL 1616 WYNKOOP ST DENVER CO 80202-1106	
To: JOHN A. & PHILLIP K. HAYNES 15 POSTLETHWAIT RIDGE RD WILEYVILLE WV 26581-7785	
<small>* Retail 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.</small>	



Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the **USPS Tracking®** page at usps.com

05/10/2024

SURFACE OWNER WAIVER

Operator's Well
Number

Shuman Haynes Unit 1H

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

Name
By
Its

Date

Signature

Date

WW-4B

API No.	<u>47-103-02936</u>
Farm Name	<u>Shuman Haynes</u>
Well No.	<u>Shuman Haynes Unit 1H</u>

**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 _____

05/10/2024

Proposed Revegetation Treatment: Acres Disturbed 3.33 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: [Signature]

Comments: Properly reclaim, seed and mulch all disturbed areas.

Title: WW O&G Inspector

Date: 4-16-24

Field Reviewed? Yes No

WW-7
8-30-06



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

API: 47-103-02936 WELL NO.: Shuman Haynes 1H

FARM NAME: Haynes

RESPONSIBLE PARTY NAME: Antero Resources Corporation

COUNTY: Wetzel DISTRICT: Center

QUADRANGLE: Pine Grove

SURFACE OWNER: John A. & Phillip K. Haynes

ROYALTY OWNER: _____

UTM GPS NORTHING: 4385905.41 m

UTM GPS EASTING: 529713.67 m GPS ELEVATION: 840.0 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 _____

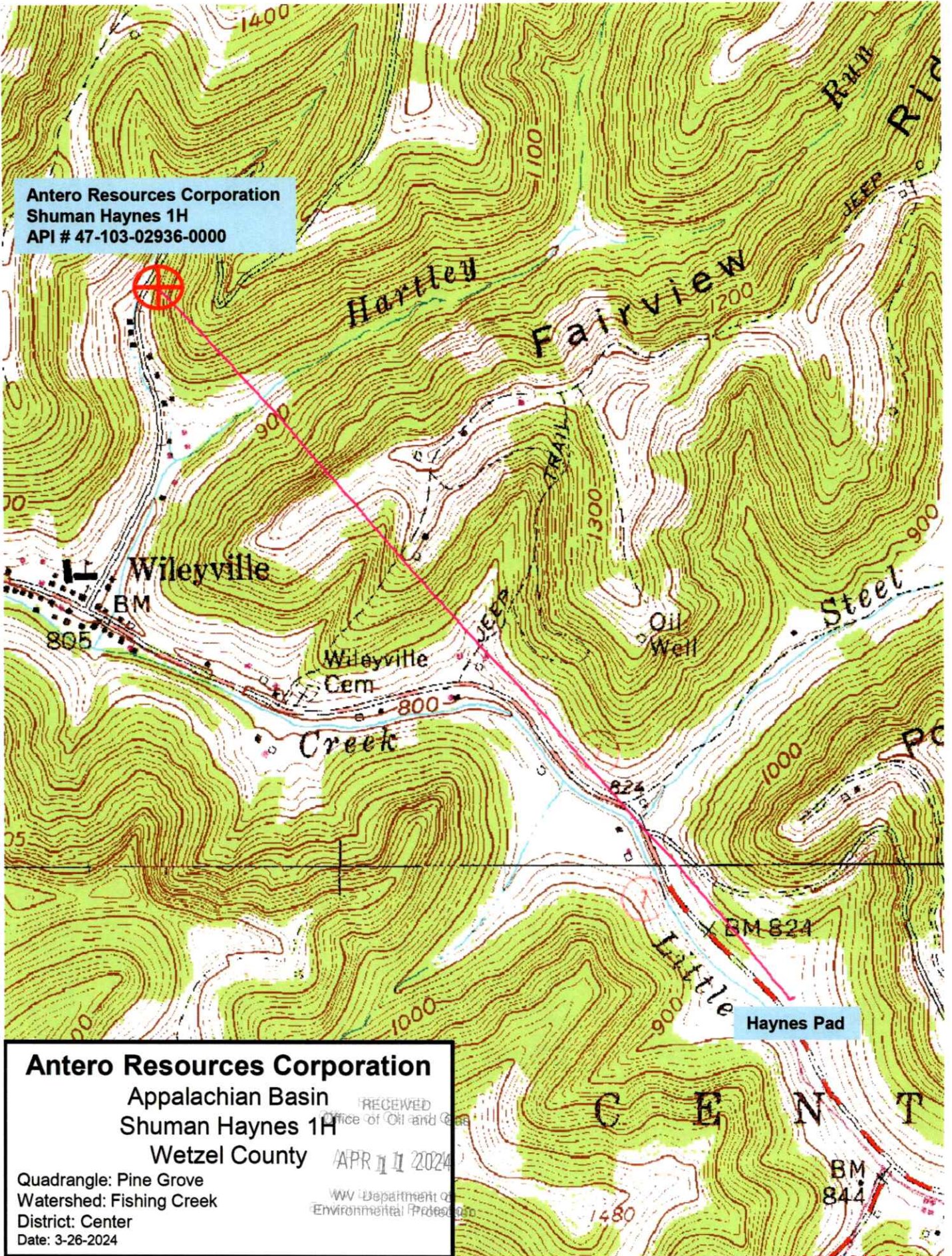
4. Letter size copy of the topography map showing the well location.

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.

[Signature] _____ Permitting Manager _____ 4/10/24
Signature Title Date

05/10/2024

Antero Resources Corporation
Shuman Haynes 1H
API # 47-103-02936-0000



Antero Resources Corporation
Appalachian Basin
Shuman Haynes 1H
Wetzel County

Quadrangle: Pine Grove
Watershed: Fishing Creek
District: Center
Date: 3-26-2024

RECEIVED
Office of Oil and Gas
APR 11 2024
West Virginia Department of
Environmental Protection

Haynes Pad

05/10/2024



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

plugging permits issued 4710303157 10303158 10302936

1 message

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

Mon, May 6, 2024 at 12:52 PM


To: Mallory Turco <mturco@anteroresources.com>, Stephen E McCoy <stephen.e.mccoy@wv.gov>, Dani Devito <ddevito@shalepro.com>, slemley@wvassessor.com


To whom it may concern, plugging permits have been issued for 4710303157 10303158 10302936.


James Kennedy

WVDEP OOG

3 attachments

 **4710303157.pdf**
2768K

 **4710303158.pdf**
2798K

 **4710302936.pdf**
3112K

05/10/2024