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

Tuesday, October 27, 2026
WELL WORK PLUGGING PERMIT
Horizontal 6A Plugging

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit approval for MIDGE UNIT 4H
47-095-02440-00-00

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
Chief

Operator's Well Number: MIDGE UNIT 4H
Farm Name: ANTERO RESOURCES CORPORATION
U.S. WELL NUMBER: 47-095-02440-00-00
Horizontal 6A Plugging
Date Issued: 10/27/2026

10/30/2026

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.
5. No sooner than sixty (60) days and no greater than ninety (90) days after the completion of the plugging of the well, the operator shall conduct an evaluation of the plugging operations to verify that the well is not leaking any fluid or gases and is properly sealed at the surface to prevent fluids or other materials from entering the well. Reports of such analysis are required to be provided to the agency with the permittee's filing of the WR-38. Wells affirmed to be leaking after plugging operations have completed, will be considered to not be properly plugged and may be required to be retested, repaired, and/or replugged.

10/30/2026

4709502440P

WW-4B
Rev. 2/01

1) Date September 23, 2026
2) Operator's Well No. Midge Unit 4H
3) API Well No. 47- 095 - 02440

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 1158.2 Watershed Outlet Middle Island Creek
District Centerville & Meade County Tyler Quadrangle Middlebourne & Shirley

6) Well Operator Antero Resources Corporation
Address 1615 Wynkoop St
Denver, CO 80202

7) Designated Agent Conrad Baston
Address 535 White Oaks Blvd
Bridgeport, WV 26330

8) Oil and Gas Inspector to be notified
Name Stephen E. McCoy
Address 13016 Indian Creek Rd
Jacksonburg, WV 26377

9) Plugging Contractor
Name N/A - Antero will plug well
Address

10) Work Order: The work order for the manner of plugging this well is as follows:

*Please see attached work order

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

Work order approved by inspector Stephen Mccoy Digitally signed by Stephen Mccoy Date: 2026.10.09 11:50:00 -04'00' Date

10/30/2026

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Antero Resources
1615 Wynkoop St.
Denver, CO 80202
Office: 303.357.7310
Fax: 303.357.7315

Midge 4H
Tyler County, WV
API #47-095-02440

Objective: Plug and Abandon from 2518' back to surface

Well Design:

- 20" Conductor @ 48'– Cemented to Surface – 19.124" ID
- 13.375" Surface Casing @ 607' – Cemented to Surface – 12.615" ID
- 9-5/8" Intermediate Casing @ 2,564'– Cemented to Surface - 8.921" ID
- 8 3/4 Open Hole to 5,785'
- 200' Cement Plug set @ 5,000'-5,200'
- 200' Cement Plug set @ 2,518'-2,718' covering 9 5/8" casing shoe

Oil and Gas Zones:

1. Freshwater – 78', 274', 485'
2. Coal Depths – 233', 727'
3. Salt Water – 1607', 1627'

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 Service rig with JU Head and BOP's. Pressure test well control equipment.
5. RIH with 2 3/8" tubing and attempt to wash down to TD, if unable to reach TD consult with inspector and decide on new course of action.
6. Ensure hole is filled with at least 6% Bentonite Gel from TD to surface.
7. Pull up to 1587', MIRU cement services. Mix and pump a 100' cement plug to cap the Saltwater zones at 1607' and 1627' (1487'-1587') (Class A cement, zero excess, yield =1.15 ft^3/sk, WR = 5.2 gal/sk, minimum 500 psi compressive strength)
    a. Volume inside of 9-5/8" = 0.4341 ft^3/ft
    b. 100' plug = 44 ft^3 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 laying down tubing to 707'
9. Mix and pump a 200' cement plug to cap coal zone and cover surface casing shoe (507'-707') (Class A cement, zero excess, yield =1.15 ft^3/sk, WR = 5.2 gal/sk, minimum 500 psi compressive strength)
    a. Volume inside of 9-5/8" = 0.4341 ft^3/ft
    b. 200' plug = 88 ft^3 cement.
    c. Displace to balance plug with 8.33 ppg fluid
    d. Slowly pull out of cement plug and lay down 250' of 2-3/8" tubing
    e. Circulate tubing clear of cement with 8.33ppg fluid
10. TOOH laying down tubing to 100'.

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Stephen Mccoy
Digitally signed by Stephen Mccoy
Date: 2026.10.09 11:57:37 -04'00'
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11. MIRU cement services. Mix and pump a 100' cement plug to surface (Class A cement + 2% $CaCl_2$, zero excess, yield =1.15 ft^3/sk, WR = 5.2 gal/sk, minimum 500 psi compressive strength)
    a. Volume inside of 9-5/8" = 0.4341 ft^3/ft
    b. 100' plug = 44 ft^3 cement.
    c. Displace to balance plug with 8.33 ppg fluid
    d. Slowly pull out of cement plug and lay down 305' of 2-3/8" tubing
    e. Clean up tubing if possible
    f. Install Monument Marker with API #47-095-02450

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Stephen Mccoy

Digitally signed by Stephen Mccoy
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WR-35
Rev. 8/23/13

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

API 47 - 095 - 02440 County Tyler District Centerville
Quad Middlebourne & Shirley Pad Name Lemuel Pad Field/Pool Name -----
Farm name Antero Resources Corporation Well Number Midge Unit 4H
Operator (as registered with the OOG) Antero Resources Corporation
Address 1615 Wynkoop Street City Denver State CO Zip 80202

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4363661.17m Easting 507456.81m
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1158.2' GL Type of Well ■New □ Existing Type of Report □Interim ■Final
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)
Air - Foam & 4% KCL
Mud - Polymer

Date permit issued 6/23/2017 Date drilling commenced 12/10/2017 Date drilling ceased 6/17/2018
Date completion activities began N/A Date completion activities ceased N/A
Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A

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

Freshwater depth(s) ft 78', 274', 485' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1607', 1627' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 233', 727' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:

10/30/2026

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WR-35
Rev. 8/23/13

API 47- 095 - 02440 Farm name Antero Resources Corporation Well number Midge Unit 4H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	26"	20"	80'	New	78.67#, A252	N/A	Y
Surface	17-1/2"	13-3/8"	639.7'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2596'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details

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	Class A	204 sx	15.6	1.18	241	0'	8 Hrs.
Surface	Class A	528 sx	15.6	1.20	634	0'	8 Hrs.
Coal							
Intermediate 1	Class A	890 sx	15.6	1.20	1068	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) 2596' Loggers TD (ft)
Deepest formation penetrated Plug back to (ft) N/A
Plug back procedure N/A

Kick off depth (ft)'

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 - 0
Surface - 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface
Intermediate - 1 above float joint, 1 above float collar, 1 every 4th joint to surface

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WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ■ No DETAILS

WAS WELL COMPLETED OPEN HOLE? ☐ Yes ■ No DETAILS

WERE TRACERS USED ☐ Yes ■ No TYPE OF TRACER(S) USED N/A

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Rev. 8/23/13

API 47- 095 - 02440 Farm name Antero Resources Corporation Well number Midge Unit 4H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)

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Please insert additional pages as applicable.

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API 47- 095 - 02440 Farm name Antero Resources Corporation Well number Midge Unit 4H

PRODUCING FORMATION(S)	DEPTHS	
Marcellus	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 NAME	TOP DEPTH IN FT TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H_2S, ETC)
	0		0		

Please insert additional pages as applicable.

Drilling Contractor Frontier Drilling
Address 562 Heritage Dr City Pennsboro State WV Zip 26415

Logging Company _____
Address _____ City _____ State _____ Zip _____

Cementing Company C & J Services
Address 1650 Hackers Creek Rd City Jane Lew State WV Zip 26378

Stimulating Company _____
Address _____ City _____ State _____ Zip _____
Please insert additional pages as applicable.

Completed by Carly Wren Telephone 303-357-7373
Signature _____ Title Permitting Agent Date 9/23/2026

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

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WW-4A
Revised 6-07

1) Date: 9/23/2026
2) Operator's Well Number
Midge Unit 4H

3) API Well No.: 47 - 095 - 02440

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:
(a) Name: Antero Resources Corporation
Address: 1615 Wynkoop St
Denver, CO 80202
(b) Name
Address
(c) Name
Address

6) Inspector: Stephen E. McCoy
Address: 13016 Indian Creek Rd
Jacksonburg, WV 26377
Telephone: 681-344-3265

5) (a) Coal Operator
Name
Address

(b) Coal Owner(s) with Declaration
Name
Address
Name
Address

(c) Coal Lessee with Declaration
Name
Address

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: Brandon Binford BB
Its: VP of Geology
Address: 1615 Wynkoop St
Denver, CO 80202
Telephone: 303-357-6773

CARLY RAYNE WREN
NOTARY PUBLIC - STATE OF COLORADO
NOTARY ID 20224038743
MY COMMISSION EXPIRES OCT 5, 2030

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OCT 13 2026
WV Department of
Environmental Protection

Subscribed and sworn before me this 23 day of September 2026
Carly Rayne Wren Notary Public
My Commission Expires 10-5-30

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.

10/30/2026

4709502440P

SURFACE OWNER WAIVER

Operator's Well Number Midge Unit 4H

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...".

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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.

_____ Date _____
Signature

FOR EXECUTION BY A CORPORATION,

Name Antero Resources Corporation
By Brandon Binford
Its VP of Geology Date

Signature BBJ Date 9-23-26

10/30/2026

4709502440P

WW-4B

API No. 47-095-02440
Farm Name Antero Resources Corporation
Well No. Midge Unit 4H

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 then 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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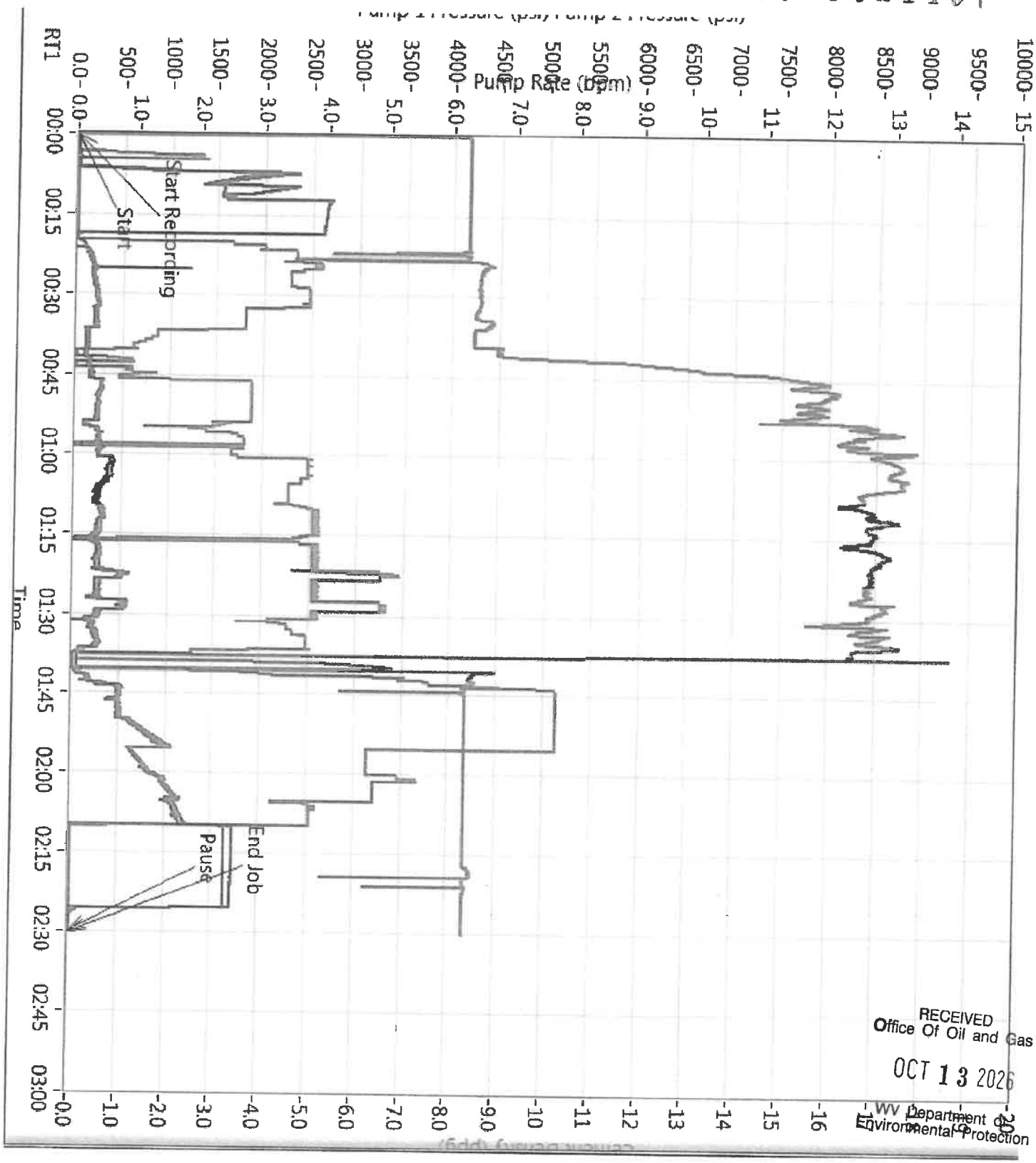

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O-TEX CEMENTING

4709502440 P

Customer:	Antero Resources Corporation	Date:	6/17/2018	Serv. Supervisor:	Donald Brown
Cust. Rep.:		Ticket #:	JWV1806-0020	Serv. Center	Jane Lew, WV
Lease:	Midge 4H	API Well #:	47-095-02440	County: Tyler	State: West Virginia
Well Type:		Rig:	Frontier 32	Type of Job:	Intermediate Casing

Materials Furnished by C&J ENERGY SERVICES

Plugs	Casing Hardware	Physical Slurry Properties					
		Sacks of Cement	Fluid Dens (lb/gal)	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbls)	Mix Water (bbls)
Spacer 1: Water		-	8.34			25	
Lead							
Tail: CJ910 + 0.125 LB/SK CJ600		890	15.6	1.18	5.21	187	110
Displacement Chemicals:							

OPEN HOLE DATA			TUBULAR DATA								
SIZE (in)	EXCESS (%)	DEPTH (ft)	TYPE (CSG/TBG/DP)	OD (in)	WEIGHT (lbs/ft)	THREAD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)
12 1/4		1956	Casing	9 5/8	36		2596		8.92		

PREVIOUS CASING DATA				PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS			
SIZE (in)	WEIGHT (lbs/ft)	ID (in)	DEPTH (ft)	TOP	BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP
13 3/8	54.5	12.61	640					2596	2550		

WELL FLUID		DISPLACEMENT FLUID (STG 1)		DISPLACEMENT FLUID (STG 2)				WATER ON LOC (bbl)	DIFF PRESS (psi)	CSG LIFT (psi)	MAX PRESS (psi)
TYPE	DENSITY	VOLUME	TYPE	DENSITY	VOLUME	TYPE	DENSITY				
water base								1500	1011	1284	1750

Time	Rate (bbl/min)	Csg. Press. (psi)	Tbg. Press (psi)	Ann. Press. (psi)	Stg. Vol. (bbl)	Cum. Vol. (bbl)	Stage Details
9:00 PM						0	arive on location
10:20 PM						0	spot trucks rig up
12:30 AM						0	safety meeting
12:58 AM						0	psi test 2800 psi
1:15 AM	4.2	160			15	15	establish circulation
1:19 AM	3.4	192			24	39	pump gel spacer
1:26 AM	2.7	220			10	49	pump fresh water spacer
1:30 AM	4.5	310			187	236	pump cement at 17 ppg scailed out at 15.6 verified by rep
2:26 AM						236	shut down drop plug
2:34 AM	8	873			198	434	displace cement
3:04 AM		1730				434	plug landed
3:19 AM						434	release pressure floats held 1.5 bbl back
3:25 AM						434	wash pump truck
						434	
						434	
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						434	
						434	
						434	

Left Yard	6/16/18 7:00 PM			Left Loc.	6/17/18 5:30 AM			Start Pump	6/17/18 1:15 AM
Arrived Loc.	6/16/18 9:00 PM			Returned Yd	6/17/18 7:30 AM			End Pump	6/17/18 3:04 AM
Bumped Plug (psi)	Final Differential (psi)	Floats Held (Y/N)	PSI Left on Casing	Cement to Surface (bbl)	Full Circ. During Job (Y/N)	Max Pump Pressure (psi)	Standby Charged (hrs)	Donald Brown	
Yes	1122	Yes	0	19	Yes	1730	2	Service Supervisor	

10/30/2026

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WV Department of
Environmental Protection

10/30/2026

ROCK CONSTRUCTION ENTRANCE

N.T.S.

COMPOST FILTER SOCK

N.T.S.

ROCK FABRIC SHALL BE PLACED AT CONTRACTOR'S DISCRETION AT THE DOWNHILL SIDE OF THE FILTER SOCK. FABRIC SHALL BE FASTENED TO STAKES AT 4' OR LESS.

ORGANIC MATTER CONTENT	80% TO 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.0 to 8
MOISTURE CONTENT	35% OR MAXIMUM
PARTICLE SIZE	
SOLUBLE SALT CONCENTRATION	4.0 dS MAXIMUM

NOTES:
1. SUPPORT FOR THE ROCK SHALL BE AS NEEDED AT CONTRACTOR'S DISCRETION. ROCK SHALL BE EXTENDED AT LEAST 6" UP THE SLOPE OR TO A PERMIT ISSUED, TO THE EFFECTIVE ROCK HEIGHT. ROCK SHALL NOT EXCEED MAXIMUM PERMITTED ROCK HEIGHT APPROVED. MINIMUM SLOPE LENGTH ABOVE ANY TRAPPING SHALL NOT BE PERMITTED TO CROSS FILTER BOOM.
2. THE ROCK SHALL BE COMPOSED OF HARD, DURABLE STONE AND SHALL BE FREE FROM EXCESS FINES. THE ROCK SHALL BE PLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND SHALL BE FREE FROM ANY FOREIGN OBJECTS OR SEDIMENT.
3. REPAIRED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND SHALL BE FREE FROM ANY FOREIGN OBJECTS OR SEDIMENT.
4. ROCK SHALL BE FILTER SOCK SHALL BE KEPT FREE OF SEDIMENT AT ALL TIMES. SEDIMENT SHALL BE REMOVED AND PLACED ON THE UPHILL SIDE OF THE FILTER SOCK. REMOVAL SHALL OCCUR WHEN SEDIMENT REACHES ONE-HALF OF THE EFFECTIVE HEIGHT OF THE FILTER SOCK. ANY DAMAGE SHALL BE REPAIRED WITHIN 24 HOURS OF INSPECTION.
5. SPECIFIC LOCAL CONSTRUCTION SEQUENCE SHALL BE REQUIRED TO PROPERLY INSTALL FILTER SOCKS.
6. UPON STABILIZATION OF THE AREA, TREATED TO SEAMOIX, SPREAD SHALL BE DISCONTINUED. THE SOCK MAY BE LEFT IN PLACE AND INCORPORATED OR SPREAD OUT IF THE LATTER CHOSE. THE FABRIC SHALL BE CUT, REMOVED, DISPOSED TO AVOID THE FILTER SOCK. SEDIMENT SHALL BE DISPOSED OF IN AN APPROVED MANNER.
7. IN THE EVENT THE GROUND IS FROZEN, AS SOON AS POSSIBLE AFTER THE GROUND THAWS, THE FABRIC SHALL BE REMOVED AND THE FILTER SOCK SHALL BE REPAIRED AS NECESSARY TO ENSURE PROPER FUNCTIONING. THE FABRIC SHALL BE DISPOSED OF IN AN APPROVED MANNER.

REVEGETATION

THESE ITEMS TO BE ADDRESSED ON THE PLANS AND/OR IN THE E&S PLAN NARRATIVE

WEST VIRGINIA DIVISION OF HIGHWAYS, EROSION AND SEDIMENT CONTROL FIELD MANUAL
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS
CHARLESTON, WV
SECTION IV

TEMPORARY SEEDING

A. SEEDBED CONDITIONS THE FOLLOWING PRACTICE APPLIES:
1. WHERE SEEDBED CONDITIONS HAVE BEEN PREPARED ON HEIGHTS NOT EXCEEDING MORE THAN 10 UNITS, TEMPORARY VEGETATIVE COVER WITH RESIDENT CONTROLS MUST BE ESTABLISHED WITHIN SEVEN (7) CALENDAR DAYS AFTER THE FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE EXCEPT FOR THOSE AREAS WHICH WILL BE CONSTRUCTED UPON IMMEDIATELY

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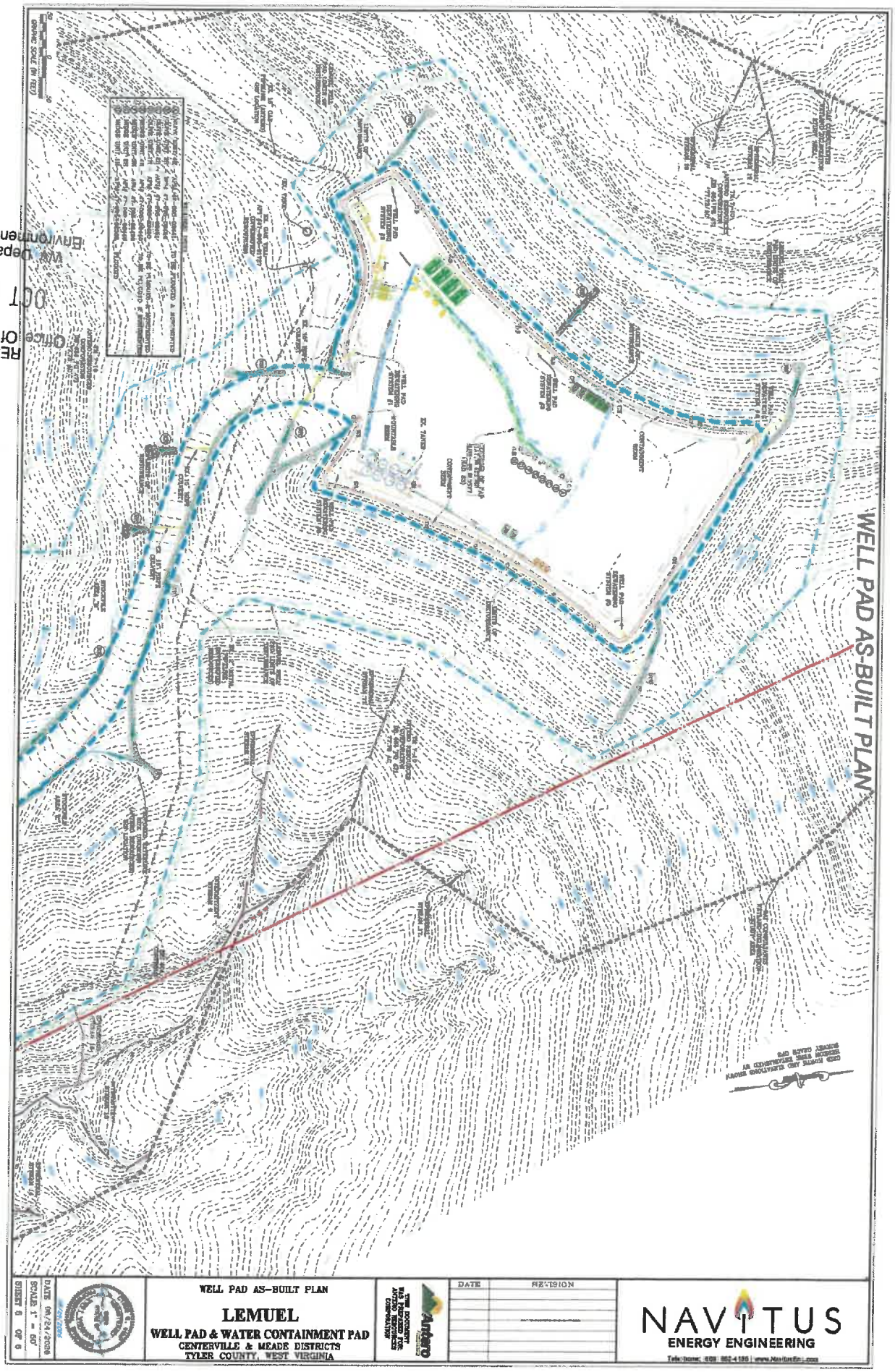
RECEIVED
Office Of Oil and Gas
OCT 13 2026
WV Department of
Environmental Protection



WELL PAD AS-BUILT PLAN

LEMUEL

WELL PAD & WATER CONTAINMENT PAD

CENTERVILLE & MEADE DISTRICTS
TYLER COUNTY, WEST VIRGINIA

DATE	REVISION

NAVITUS
ENERGY ENGINEERING

SHEET 6 OF 6 | SCALE 1" = 60' | DATE 09/24/2026

10/30/2026

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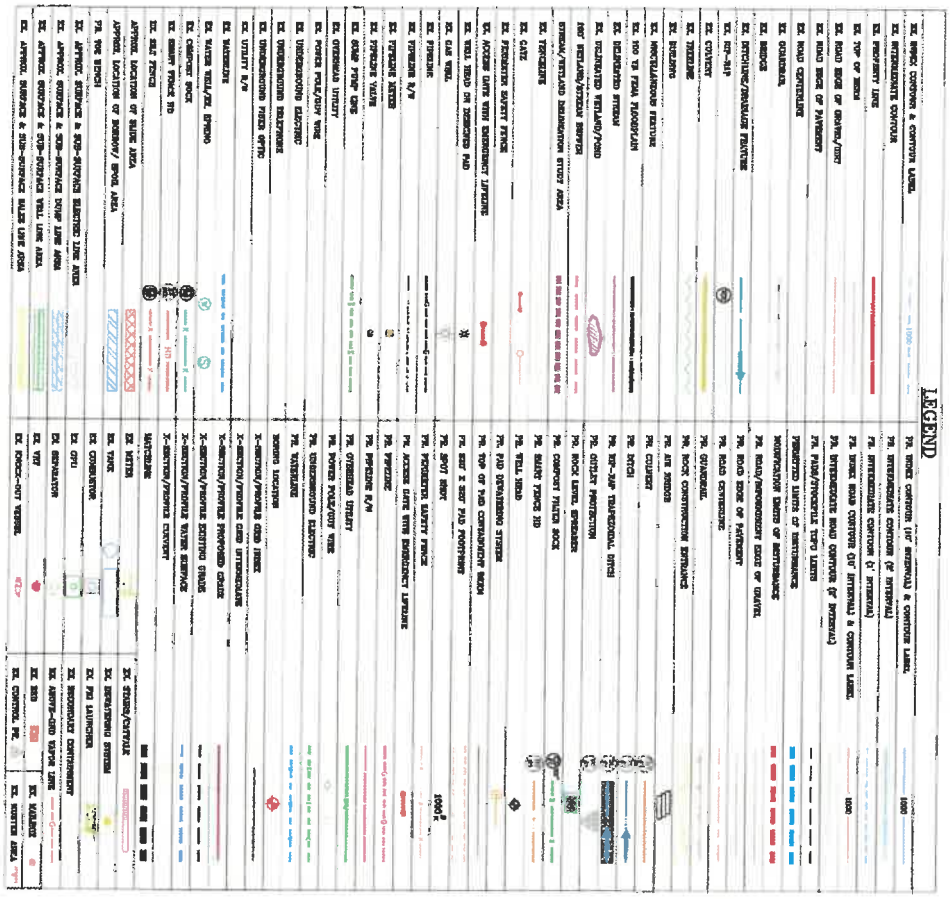
LEGEND

LEGEND



EX. INDEX CONTOUR & CONTOUR LABEL	PR. INDEX CONTOUR (10' INTERVAL) & CONTOUR LABEL
EX. INTERMEDIATE CONTOUR	PR. INTERMEDIATE CONTOUR (2' INTERVAL)
EX. PROPERTY LINE	PR. INTERMEDIATE CONTOUR (1' INTERVAL)
EX. TOP OF BERM	PR. INDEX ROAD CONTOUR (10' INTERVAL) & CONTOUR LABEL
EX. ROAD EDGE OF GRAVEL/DIRT	PR. INTERMEDIATE ROAD CONTOUR (2' INTERVAL)
EX. ROAD EDGE OF PAVEMENT	PR. PADS/STOCKPILE TOPO LIMITS
EX. ROAD CENTERLINE	PERMITTED LIMITS OF DISTURBANCE
EX. GUARDRAIL	MODIFICATION LIMITS OF DISTURBANCE
EX. BRIDGE	PR. ROAD/IMPOUNDMENT EDGE OF GRAVEL
EX. DITCHLINE/DRAINAGE FEATURE	PR. ROAD EDGE OF PAVEMENT
EX. RIP-RAP	PR. ROAD CENTERLINE
EX. CULVERT	PR. GUARDRAIL
EX. TREELINE	PR. ROCK CONSTRUCTION ENTRANCE
EX. BUILDING	PR. AIR BRIDGE
EX. MISCELLANEOUS FEATURE	PR. CULVERT
EX. 100 YR FEMA FLOODPLAIN	PR. DITCH
EX. DELINEATED STREAM	PR. RIP-RAP TRAPEZOIDAL DITCH
EX. DELINEATED WETLAND/POND	PR. OUTLET PROTECTION
100' WETLAND/STREAM BUFFER	PR. ROCK LEVEL SPREADER
STREAM/WETLAND DELINEATION STUDY AREA	PR. COMPOST FILTER SOCK
EX. FENCELINE	PR. SMART FENCE HD
EX. GATE	PR. WELL HEAD
EX. PERIMETER SAFETY FENCE	PR. PAD DEWATERING SYSTEM
EX. ACCESS GATE WITH EMERGENCY LIFELINE	PR. TOP OF PAD CONTAINMENT BERM
EX. WELL HEAD ON DESIGNED PAD	PR. 520' X 520' PAD FOOTPRINT
EX. GAS WELL	PR. SPOT SHOT
EX. PIPELINE	PR. PERIMETER SAFETY FENCE
EX. PIPELINE R/W	PR. ACCESS GATE WITH EMERGENCY LIFELINE
EX. PIPELINE METER	PR. PIPELINE
EX. PIPELINE VALVE	PR. PIPELINE R/W
EX. SUMP PUMP LINE	PR. OVERHEAD UTILITY
EX. OVERHEAD UTILITY	PR. POWER POLE/GUY WIRE
EX. POWER POLE/GUY WIRE	PR. UNDERGROUND ELECTRIC
EX. UNDERGROUND ELECTRIC	PR. WATERLINE
EX. UNDERGROUND TELEPHONE	BORING LOCATION
EX. UNDERGROUND FIBER OPTIC	X-SECTION/PROFILE GRID INDEX
EX. UTILITY R/W	X-SECTION/PROFILE GRID INTERMEDIATE
EX. WATERLINE	X-SECTION/PROFILE PROPOSED GRADE
EX. WATER WELL/EX. SPRING	X-SECTION/PROFILE EXISTING GRADE
EX. COMPOST SOCK	X-SECTION/PROFILE WATER SURFACE
EX. SMART FENCE HD	X-SECTION/PROFILE CULVERT
EX. SILT FENCE	MATCHLINE
APPROX. LOCATION OF SLIDE AREA	EX. METER
APPROX. LOCATION OF BORROW/ SPOIL AREA	EX. TANK
PR. TOE BENCH	EX. COMBUSTOR
EX. APPROX. SURFACE & SUB-SURFACE ELECTRIC LINE AREA	EX. GPU
EX. APPROX. SURFACE & SUB-SURFACE DUMP LINE AREA	EX. SEPARATOR
EX. APPROX. SURFACE & SUB-SURFACE WELL LINE AREA	EX. VRT
EX. APPROX. SURFACE & SUB-SURFACE BALES LINE AREA	EX. KNOCK-OUT VESSEL

EX. STAIRS/CATWALK	
EX. DEWATERING SYSTEM	
EX. PIG LAUNCHER	
EX. SECONDARY CONTAINMENT	
EX. ABOVE-GRD VAPOR LINE	
EX. BRD	EX. MAILBOX
EX. CONTROL PR.	EX. MUSTER AREA

NAVITUS
ENERGY ENGINEERING

DATE	REVISION

Antero

THIS DOCUMENT WAS PREPARED FOR: ANTERO RESOURCES CORPORATION

LEGEND

LEMUEL
WELL PAD & WATER CONTAINMENT PAD
CENTERVILLE & MEADE DISTRICTS
TYLER COUNTY, WEST VIRGINIA

08/24/2026

DATE: 08/24/2026
SCALE: N/A
SHEET 3 OF 8

10/30/2026

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CONSTRUCTION AND E&S CONTROL NOTES

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-245-4848 FOR FIELD LOCATIONS PRIOR TO ANY EXCAVATION OR CONSTRUCTION AND TELL MISS UTILITY ANYTHING ENGINEERING IS NEEDED. THE TOWING OF BOOM ENGINEERING SHALL BE DONE BY THE CONTRACTOR'S CREW.
2. MATERIALS AND EQUIPMENT SHALL BE STORED ON THE WELL PAD AND ACCESS ROAD AS SHOWN ON APPROVED PLANS. ANY OTHER STORAGE LOCATIONS MUST BE APPROVED BY THE CONSTRUCTION MANAGER.
3. ALL APPROVED OIL OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE.
4. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEARING MUD FROM VEHICLES LEAVING THE SITE. CONTRACTOR SHALL INSPECT ROADS DAILY AND REMOVE ANY MUD OR DEBRIS TRACKED ONTO PUBLIC STREETS.
5. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES AFFECTED BY THIS PROJECT TO REQUEST FIELD LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO UTILITIES CAUSED BY CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
6. THE CONTRACTOR SHALL PROVIDE NOTIFICATION TO THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION WITHIN THE RIGHT-OF-WAY OF ANY PUBLIC ROADWAY. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO ENSURE THAT ALL UTILITIES ARE PROTECTED DURING CONSTRUCTION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGES TO THE CONSTRUCTION PROJECT WITHIN OR CONTIGUOUS WITH THE EXISTING RIGHT-OF-WAY.
8. PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT TWO (2) COPIES OF THE PROPOSED SCHEDULE FOR THE CONSTRUCTION OF THE PROJECT TO THE OFFICE OF OIL AND GAS. THE SCHEDULE SHALL BE IN SUFFICIENT DETAIL TO INDICATE THE ANTICIPATED STARTING AND COMPLETION DATES OF EACH MAJOR ITEM OF CONSTRUCTION.
9. THE DEVELOPER WILL BE RESPONSIBLE FOR THE RESOLUTION OF ANY UTILITIES CONFLICTS ENCOUNTERED DURING CONSTRUCTION.
10. SHOULD ANY UNFORESEEN CONDITIONS OCCUR DURING THE COURSE OF CONSTRUCTION THAT ARE NOT COVERED BY THE APPROVED PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OFFICE OF OIL AND GAS AND THE OPERATOR'S REPRESENTATIVE. ALL CHANGES MUST BE APPROVED BY THE OFFICE OF OIL AND GAS PRIOR TO CONSTRUCTION.
11. THE CONTRACTOR(S) SHALL NOTIFY OPERATORS AND DRAINAGE OWNERS/OPERATORS (IF KNOWN) NOT LESS THAN TEN (10) WORKING DAYS, PRIOR TO COMMENCEMENT OF EXCAVATION OR GRADING.
12. CONTRACTOR TO CONTACT OPERATORS AND ENGINEER OF DISCONTINUANCE OF ENCROACHMENTS DURING CONSTRUCTION.
13. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE OFFICE OF OIL AND GAS INSPECTOR PRIOR TO THE START OF CONSTRUCTION.
14. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING THE SITE IN ACCORDANCE WITH THE PERMIT DRAWINGS AND CONSTRUCTION SPECIFICATIONS. ALL MATERIALS, METHODS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE OFFICE OF OIL AND GAS. THE INSPECTOR SHALL BE GIVEN ACCESS TO ALL PARTS OF THE JOB AT ALL TIMES. THE INSPECTOR SHALL BE PERMITTED TO REQUIRE SPECIAL TESTING OR EXAMINATION OF ANY WORK OR MATERIALS WHERE SUCH WORK OR MATERIALS FAIL TO MEET THE REQUIREMENTS OF THE APPROVED PLANS AND SPECIFICATIONS. THE INSPECTOR SHALL REJECT DEFECTIVE WORK OR MATERIALS AND REQUIRE CORRECTION OF SUCH DEFECTIVE WORK OR MATERIALS. THE INSPECTOR SHALL HAVE THE AUTHORITY TO SUSPEND ALL WORK UNTIL ANY DISPUTE IS SETTLED.
15. THE CONTRACTOR SHALL MAINTAIN ADEQUATE CLEARANCE FROM ALL ELECTRIC LINES, IF ANY, IN ACCORDANCE WITH NATIONAL ELECTRIC CODE.
16. THE CONTRACTOR SHALL MINIMIZE ALL CLEARING AND DISTURBANCE TO THE NATURAL TOPOGRAPHY. ALL DISTURBANCE SHALL BE LIMITED TO THOSE AREAS DESCRIBED ON THE CONSTRUCTION DRAWINGS.
17. ANY DEVIATION FROM APPROVED PLANS MUST BE APPROVED BY REVISED ENGINEERING OR CONSTRUCTION PLANS. THE CONTRACTOR BY MAKING SUCH DEVIATIONS WITHOUT APPROVAL ASSUMES ALL RESPONSIBILITY FOR THE CONSEQUENCES THEREOF. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION OF REVISED PLANS AND SHALL BEAR ALL COSTS FOR ENGINEERING AND SURVEYING ASSOCIATED WITH THE REVISIONS.
18. IN CASE OF CONFLICT BETWEEN THE CONSTRUCTION PLANS AND THE SPECIFICATIONS, THE PLANS SHALL GOVERN UNLESS OTHERWISE DIRECTED BY THE ENGINEER OF RECORD.
19. PRESERVATION OF MONUMENTS: ALL MONUMENTS, PROPERTY PINS, AND OTHER SURVEY REFERENCES SHALL BE PROTECTED FROM DISTURBANCE OR DESTRUCTION DURING CONSTRUCTION. IF ANY ARE DISTURBED OR DESTROYED, THEY SHALL BE REPLACED BY A LICENSED SURVEYOR AT THE EXPENSE OF THE CONTRACTOR. IN CASE OF QUESTION OR CONFLICT, THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD FOR DIRECTION.
20. ANY DEVIATION FROM THE APPROVED PLANS MUST BE APPROVED BY THE OFFICE OF OIL AND GAS PRIOR TO THE DEVIATION BEING IMPLEMENTED IN THE FIELD.
21. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. ANY DEVIATIONS FROM THE APPROVED PLANS SHALL BE APPROVED BY THE OFFICE OF OIL AND GAS PRIOR TO IMPLEMENTATION.
22. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. ANY DEVIATIONS FROM THE APPROVED PLANS SHALL BE APPROVED BY THE OFFICE OF OIL AND GAS PRIOR TO IMPLEMENTATION.
23. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. ANY DEVIATIONS FROM THE APPROVED PLANS SHALL BE APPROVED BY THE OFFICE OF OIL AND GAS PRIOR TO IMPLEMENTATION.
24. ALL EXISTING AND PROPOSED CULVERTS AND CULVERT ENDS SHALL BE CLEARED AND CLEANED OF DEBRIS DURING THE COURSE OF CONSTRUCTION. ANY DAMAGE TO CULVERTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

CONSTRUCTION STANDARDS:

1. ALL FILL AREAS SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY. THE MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 8" IN THICKNESS PRIOR TO COMPACTION. COMPACTION SHALL BE PERFORMED BY EQUIPMENT SUITABLE FOR THE TYPE OF MATERIAL BEING COMPACTED. ALL FILL AREAS SHALL BE TESTED BY A QUALIFIED GEOTECHNICAL ENGINEER OR TESTING LABORATORY TO VERIFY COMPLIANCE WITH THE 95% STANDARD PROCTOR REQUIREMENT. TEST RESULTS SHALL BE SUBMITTED TO THE OFFICE OF OIL AND GAS UPON REQUEST.
2. ALL FILL AREAS SHALL BE CLEARED OF ALL VEGETATION AND STRIPPED OF TOPSOIL/ORGANIC SOILS PRIOR TO THE START OF FILLWORK.
3. ANY GROUNDWATER ENCOUNTERED DURING CONSTRUCTION SHALL BE DRAINED TO A SUITABLE DISCHARGE POINT BY THE MEANS OF FRENCH DRAINS OR OTHER APPROVED METHODS. UNDER NO CIRCUMSTANCES SHALL GROUNDWATER BE ALLOWED TO FLOW ACROSS THE SURFACE OF ANY FILL AREA.
4. ALL TOPSOIL REMOVED DURING CONSTRUCTION SHALL BE STOCKPILED IN DESIGNATED AREAS AND USED FOR FINAL RESTORATION AND REVEGETATION OF DISTURBED AREAS. TOPSOIL SHALL NOT BE USED IN STRUCTURAL FILL AREAS.
5. ALL CUT AND FILL SLOPES SHALL BE CONSTRUCTED AT A MAXIMUM SLOPE OF 2:1 (HORIZONTAL:VERTICAL) UNLESS OTHERWISE APPROVED BY THE OFFICE OF OIL AND GAS. ALL SLOPES SHALL BE STABILIZED WITH VEGETATION IMMEDIATELY UPON COMPLETION OF GRADING.
6. ALL ROCK USED FOR CONSTRUCTION SHALL BE FREE OF DELETERIOUS MATERIALS SUCH AS ORGANICS, CLAY, OR OTHER UNSUITABLE MATERIALS. ROCK SHALL BE PLACED IN A MANNER THAT ENSURES PROPER INTERLOCKING AND MINIMIZES VOIDS.
7. THE PLACEMENT OF ALL FILL MATERIAL SHALL BE FREE OF ROOTS, BRUSH, LARGE ROCKS, AND ANY OTHER NONCOMPACTABLE SOIL CONSTRUCTION DEBRIS. NO MATERIAL SHALL BE PLACED IN FROZEN OR SATURATED CONDITIONS.
8. ALL FILL AREAS SHALL BE TESTED AT 100' INTERVALS OR AS DIRECTED BY THE OFFICE OF OIL AND GAS. TESTING SHALL BE PERFORMED BY A QUALIFIED GEOTECHNICAL ENGINEER OR TESTING LABORATORY. TEST RESULTS SHALL BE SUBMITTED TO THE OFFICE OF OIL AND GAS WITHIN 48 HOURS OF TESTING.
9. ANY AREAS FAILING TO MEET THE REQUIRED COMPACTION STANDARDS SHALL BE REWORKED AND RETESTED UNTIL COMPLIANCE IS ACHIEVED.
10. ALL FILL SLOPES SHALL BE TRACKED WITH A DOZER TO CREATE A ROUGH, UNIFORM SURFACE TEXTURE THAT PROMOTES WATER INFILTRATION AND REDUCES RUNOFF VELOCITY.
11. ALL FILL AREAS SHALL BE TESTED AT 100' INTERVALS OR AS DIRECTED BY THE OFFICE OF OIL AND GAS. TESTING SHALL BE PERFORMED BY A QUALIFIED GEOTECHNICAL ENGINEER OR TESTING LABORATORY. TEST RESULTS SHALL BE SUBMITTED TO THE OFFICE OF OIL AND GAS WITHIN 48 HOURS OF TESTING.
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18. ANY AREAS FAILING TO MEET THE REQUIRED COMPACTION STANDARDS SHALL BE REWORKED AND RETESTED UNTIL COMPLIANCE IS ACHIEVED.

EROSION AND SEDIMENT CONTROL NARRATIVE:

THE PURPOSE OF THIS PROJECT IS TO UPGRADE A 940 WELL PLANNING PAD TO AND SIZE TO INCORPORATE THE PROPOSED WELL HEAD AND PRODUCTION EQUIPMENT. THE CONTRACTOR SHALL IMPLEMENT, MAINTAIN, AND OPERATE ALL OF ACCELERATED EROSION AND SEDIMENTATION TO ACCELERATE EROSION AND SEDIMENTATION AS A RESULT OF THE PROJECT. THE WV DEPARTMENT OF ENVIRONMENTAL PROTECTION (WVDEP) AND ALL APPLICABLE LOCAL REGULATIONS.

THE EXISTING SITE IS APPROXIMATELY 0.05 WOODED. THE TOPOGRAPHY SLOPES TOWARDS THE CENTER OF THE PAD AT AN AVERAGE GRADE OF 2%. THE PROPOSED DISTURBANCE SHALL BE CONFINED TO THE EXISTING PAD AND ACCESS ROAD. EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED TO THE EXTENT PRACTICABLE. ALL DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT VEGETATION AND MULCH IMMEDIATELY UPON COMPLETION OF GRADING IN ACCORDANCE WITH THE APPROVED PLANS.

THE SITE IS SURROUNDED BY FORESTED LANDS ON ALL SIDES.

NEAREST STREAM: THE NEAREST PERENNIAL STREAM, WILLIAMS AND POWDER, AN UNNAMED TRIBUTARY TO WILLIAMS AND POWDER, IS APPROXIMATELY 1,200 FEET SOUTHEAST OF THE PROJECT SITE. THE NEAREST INTERMITTENT STREAM IS APPROXIMATELY 450 FEET NORTH OF THE PROJECT SITE. NO DISTURBANCE IS PROPOSED WITHIN 100 FEET OF ANY PERENNIAL OR INTERMITTENT STREAM.

NEAREST ROADWAY: THE NEAREST ROADWAY IS WEST VIRGINIA STATE ROUTE 18 (SR 18), LOCATED APPROXIMATELY 1.2 MILES NORTHWEST OF THE PROJECT SITE. ACCESS TO THE SITE IS VIA AN EXISTING GRAVEL ROAD THAT CONNECTS TO SR 18.

NEAREST DRINKING WATER SOURCE: THE NEAREST KNOWN PUBLIC DRINKING WATER SOURCE IS THE MIDDLEBOURNE PUBLIC SERVICE DISTRICT WATER TREATMENT PLANT, LOCATED APPROXIMATELY 4.5 MILES DOWNSTREAM ON THE OHIO RIVER. NO DRINKING WATER WELLS OR SPRINGS ARE KNOWN TO EXIST WITHIN 1,000 FEET OF THE PROJECT.

NEAREST WELL: THE NEAREST KNOWN OIL OR GAS WELL IS API NO. 47-095-01847, LOCATED APPROXIMATELY 1,850 FEET NORTHEAST OF THE PROPOSED WELL PAD. THE WELL IS OPERATED BY ANTERO RESOURCES CORPORATION AND IS CURRENTLY PRODUCING.

FLOOD HAZARD: ACCORDING TO FEMA FLOOD INSURANCE RATE MAP (FIRM) PANEL 540178 0050 C, EFFECTIVE 09/29/2010, THE PROJECT SITE IS LOCATED IN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN). NO FLOOD HAZARD AREAS ARE MAPPED WITHIN OR ADJACENT TO THE PROJECT SITE.

WETLANDS: A REVIEW OF THE NATIONAL WETLANDS INVENTORY (NWI) MAPS AND A FIELD RECONNAISSANCE CONDUCTED ON [DATE] INDICATED THAT NO WETLANDS ARE LOCATED WITHIN THE PROJECT LIMITS OF DISTURBANCE. THE NEAREST MAPPED WETLAND IS APPROXIMATELY 600 FEET SOUTHEAST OF THE PROJECT SITE.

HISTORIC PROPERTIES: THE PROJECT AREA IS NOT LOCATED WITHIN OR ADJACENT TO ANY PROPERTY LISTED ON OR ELIGIBLE FOR THE NATIONAL REGISTER OF HISTORIC PLACES. A PHASE I CULTURAL RESOURCE SURVEY WAS NOT REQUIRED FOR THIS PROJECT BECAUSE THE DISTURBANCE IS CONFINED TO AN EXISTING, PREVIOUSLY DISTURBED WELL PAD.

1. A PRE-CONSTRUCTION CONFERENCE WITH THE CONTRACTOR AND THE APPROPRIATE EROSION CONTROL INSPECTOR SHALL BE HELD PRIOR TO BEGINNING WORK TO REVIEW THE APPROVED PLANS.
2. SILT FENCE, DIVERSION DITCHES, AND OTHER EROSION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS BEFORE ANY SOIL DISTURBANCE BEGINS. NO ADDITIONAL AREAS SHALL BE DISTURBED UNTIL THESE MEASURES ARE IN PLACE AND FUNCTIONAL.
3. CONSTRUCT THE ROCK CONSTRUCTION ENTRANCE. ALL VEHICLES ENTERING AND EXITING THE SITE SHALL DO SO ONLY THE ROCK CONSTRUCTION ENTRANCE.
4. CONSTRUCT ALL BMPS AS SOON AS CLEARING AND GRUBBING OPERATIONS ALLOW, BEGINNING WITH PERIMETER CONTROLS AND DOWNSLOPE MEASURES. BMPS SHALL BE INSPECTED AND MAINTAINED DAILY DURING CONSTRUCTION AND AFTER EACH RAINFALL OF 0.5 INCHES OR GREATER WITHIN A 24-HOUR PERIOD. ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED UPLAND LOCATION. ADDITIONAL BMPS SHALL BE INSTALLED IMMEDIATELY IF ANY ARE FOUND TO BE INSUFFICIENT.
5. AFFORESTATION: CONTRACTOR SHALL PLANT ALL DISTURBED AREAS NOT REQUIRED FOR ACCESS, PRODUCTION, OR MAINTENANCE WITH A MIX OF NATIVE TREES AND SHRUBS APPROPRIATE FOR THE SITE'S SOILS AND HYDROLOGY. PLANTING SHALL OCCUR WITHIN THE FIRST DORMANT SEASON FOLLOWING FINAL GRADING. SPECIES SELECTION SHALL BE COORDINATED WITH THE OFFICE OF OIL AND GAS OR A QUALIFIED FORESTER.
6. ALL TEMPORARY AND PERMANENT SEEDING SHALL BE APPLIED AT THE RATES SPECIFIED IN THE SEED SCHEDULE ON THE PLANS. SEEDED AREAS SHALL BE MULCHED IMMEDIATELY AFTER SEEDING WITH STRAW MULCH APPLIED AT A RATE OF 2 TONS PER ACRE. MULCH SHALL BE ANCHORED BY CRIMPING OR TACKIFIER.
7. THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES AT LEAST WEEKLY AND AFTER EACH RAINFALL OF 0.5 INCHES OR GREATER WITHIN A 24-HOUR PERIOD. ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED UPLAND LOCATION. DAMAGED BMPS SHALL BE REPAIRED OR REPLACED IMMEDIATELY. ADDITIONAL BMPS SHALL BE INSTALLED IF ANY ARE FOUND TO BE INSUFFICIENT.
8. ALL DISTURBED AREAS SHALL BE STABILIZED WITH PERMANENT VEGETATION AND MULCH WITHIN 7 DAYS OF FINAL GRADING. TEMPORARY SEEDING SHALL BE APPLIED TO ANY AREA THAT WILL REMAIN UNDISTURBED FOR MORE THAN 30 DAYS.
9. STRIP THE TOPSOIL FROM THE WELL PAD, STAGE TO PLACED AT A MAXIMUM SLOPE OF 2:1 (HORIZONTAL:VERTICAL) AND STABILIZED WITH TEMPORARY SEEDING AND MULCH. TOPSOIL SHALL BE PRESERVED FOR USE IN FINAL RESTORATION AND REVEGETATION.
10. ALL CUT AND FILL SLOPES SHALL BE CONSTRUCTED AT A MAXIMUM SLOPE OF 2:1 (HORIZONTAL:VERTICAL) UNLESS OTHERWISE APPROVED BY THE OFFICE OF OIL AND GAS. ALL SLOPES SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF GRADING.
11. ALL FILL AREAS SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY IN LIFTS NOT EXCEEDING 8 INCHES. COMPACTION SHALL BE PERFORMED BY EQUIPMENT SUITABLE FOR THE TYPE OF MATERIAL BEING PLACED. TESTING SHALL BE PERFORMED BY A QUALIFIED GEOTECHNICAL ENGINEER OR TESTING LABORATORY AT INTERVALS NOT EXCEEDING 100 FEET OF FILL HEIGHT OR AS DIRECTED BY THE OFFICE OF OIL AND GAS. RESULTS SHALL BE SUBMITTED WITHIN 48 HOURS OF TESTING.
12. ANY AREAS FAILING TO MEET THE REQUIRED COMPACTION STANDARDS SHALL BE REWORKED AND RETESTED UNTIL COMPLIANCE IS ACHIEVED.
13. ALL DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT VEGETATION AND MULCH WITHIN 7 DAYS OF FINAL GRADING. TEMPORARY SEEDING SHALL BE APPLIED TO ANY AREA THAT WILL REMAIN UNDISTURBED FOR MORE THAN 30 DAYS.
14. THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL BMPS AT LEAST WEEKLY AND AFTER EACH RAINFALL OF 0.5 INCHES OR GREATER WITHIN A 24-HOUR PERIOD. ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED UPLAND LOCATION. DAMAGED BMPS SHALL BE REPAIRED OR REPLACED IMMEDIATELY. ADDITIONAL BMPS SHALL BE INSTALLED IF ANY ARE FOUND TO BE INSUFFICIENT.
15. ALL DISTURBED AREAS SHALL BE STABILIZED WITH PERMANENT VEGETATION AND MULCH WITHIN 7 DAYS OF FINAL GRADING. TEMPORARY SEEDING SHALL BE APPLIED TO ANY AREA THAT WILL REMAIN UNDISTURBED FOR MORE THAN 30 DAYS.
16. ALL PERMANENT EROSION CONTROL MEASURES ARE TO REMAIN AFTER THE SITE IS FINALIZED.
17. ANY AREAS DISTURBED BY REMOVAL OF CONTROLS SHALL BE REPAIRED, COVERED AND PERMANENTLY SEEDED.
18. CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS FOR ACTIVITIES.
19. ALL WASTE AND DEBRIS SHALL BE DISPOSED OF PROPERLY AND NOT BURIED ON SITE.
20. CONTRACTOR WILL MAINTAIN ALL ROADS IN PASSABLE CONDITION.
21. ALL DISTURBED AREAS MUST BE STABILIZED WITH PERMANENT VEGETATION AND MULCH WITHIN 7 DAYS OF FINAL GRADING. TEMPORARY SEEDING SHALL BE APPLIED TO ANY AREA THAT WILL REMAIN UNDISTURBED FOR MORE THAN 30 DAYS.
22. ALL PERMANENT EROSION CONTROL MEASURES ARE TO REMAIN AFTER THE SITE IS FINALIZED.
23. ANY AREAS DISTURBED BY REMOVAL OF CONTROLS SHALL BE REPAIRED, COVERED AND PERMANENTLY SEEDED.

SITE RECLAMATION NARRATIVE:

PRE-CONSTRUCTION: THE CONSTRUCTION SITE SHALL BE STAKED AS SOON AS POSSIBLE, BUT NOT LESS THAN 7 DAYS BEFORE CONSTRUCTION BEGINS. THE LIMITS OF DISTURBANCE SHALL BE CLEARLY MARKED WITH FLAGGING OR STAKES. NO DISTURBANCE SHALL OCCUR OUTSIDE THESE LIMITS. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INFORMED OF THE LIMITS OF DISTURBANCE BEFORE WORK BEGINS. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE CONTRACTOR, THE OPERATOR'S REPRESENTATIVE, AND THE OFFICE OF OIL AND GAS INSPECTOR TO REVIEW THE APPROVED PLANS AND ESTABLISH COMMUNICATION PROTOCOLS.

TEMPORARY STABILIZATION: DISTURBED AREAS NOT REQUIRED FOR ACCESS OR PRODUCTION SHALL BE STABILIZED WITHIN 7 DAYS OF FINAL GRADING. TEMPORARY SEEDING SHALL BE APPLIED AT THE RATES SPECIFIED IN THE SEED SCHEDULE ON THE PLANS. STRAW MULCH SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE AND ANCHORED BY CRIMPING OR TACKIFIER. SILT FENCE, DIVERSION DITCHES, AND OTHER EROSION CONTROL MEASURES SHALL REMAIN IN PLACE AND FUNCTIONAL UNTIL PERMANENT STABILIZATION IS ACHIEVED.

PERMANENT STABILIZATION: ALL AREAS NOT UNCOVERED BY EITHER BUILDINGS OR PAVEMENT SHALL BE STABILIZED WITH PERMANENT VEGETATION AND MULCH IN ACCORDANCE WITH THE WV DEP ESCP MANUAL AND THE APPROVED PLANS. SEEDING DATES SHALL BASED UPON SITE SPECIFIC SOIL TESTING.

MAINTENANCE: PERMANENT EROSION CONTROL FEATURES SHALL BE INSPECTED DAILY BY THE SITE SUPERINTENDENT OR SITE REPRESENTATIVE. ALL CONTROLS REQUIRING REPAIR SHALL BE REPAIRED WITHIN 24 HOURS OF DISCOVERY. ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED UPLAND LOCATION. SEDIMENT SHALL NOT BE DISPOSED OF IN ANY STREAM, WETLAND, OR BELOW THE LIMITS OF DISTURBANCE.

TRAFFIC CONTROL: ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE SITE VIA THE ROCK CONSTRUCTION ENTRANCE. SPEED LIMITS WITHIN THE SITE SHALL BE POSTED AND ENFORCED TO MINIMIZE DUST AND EROSION. ON-SITE ROADS SHALL BE WATERED AS NEEDED TO CONTROL DUST.

SPILL PREVENTION AND RESPONSE: THE CONTRACTOR SHALL MAINTAIN SPILL PREVENTION MEASURES AND HAVE SPILL RESPONSE MATERIALS AVAILABLE ON SITE AT ALL TIMES. ANY SPILL OF OIL, FUEL, OR HAZARDOUS MATERIAL SHALL BE REPORTED IMMEDIATELY TO THE OFFICE OF OIL AND GAS AND CONTAINED AND REMEDIATED IN ACCORDANCE WITH APPLICABLE REGULATIONS.

SEQUENCE OF CONSTRUCTION: CONSTRUCTION SHALL PROCEED IN THE FOLLOWING GENERAL SEQUENCE: (1) INSTALL PERIMETER EROSION CONTROLS AND ROCK CONSTRUCTION ENTRANCE; (2) CLEAR AND GRUB THE ACCESS ROAD AND WELL PAD AREA; (3) STRIP AND STOCKPILE TOPSOIL; (4) ROUGH GRADE THE ACCESS ROAD AND WELL PAD; (5) INSTALL CULVERTS AND DRAINAGE STRUCTURES; (6) FINE GRADE AND STABILIZE; (7) INSTALL PRODUCTION EQUIPMENT; (8) FINAL GRADE AND RESTORE DISTURBED AREAS NOT REQUIRED FOR PRODUCTION; (9) REMOVE TEMPORARY CONTROLS AFTER VEGETATION IS ESTABLISHED.

SITE RECLAMATION NARRATIVE:

PRE-CONSTRUCTION: THE CONSTRUCTION SITE SHALL BE STAKED AS SOON AS POSSIBLE, BUT NOT LESS THAN 7 DAYS BEFORE CONSTRUCTION BEGINS. THE LIMITS OF DISTURBANCE SHALL BE CLEARLY MARKED WITH FLAGGING OR STAKES. NO DISTURBANCE SHALL OCCUR OUTSIDE THESE LIMITS. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INFORMED OF THE LIMITS OF DISTURBANCE BEFORE WORK BEGINS. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE CONTRACTOR, THE OPERATOR'S REPRESENTATIVE, AND THE OFFICE OF OIL AND GAS INSPECTOR TO REVIEW THE APPROVED PLANS AND ESTABLISH COMMUNICATION PROTOCOLS.

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SPILL PREVENTION AND RESPONSE: THE CONTRACTOR SHALL MAINTAIN SPILL PREVENTION MEASURES AND HAVE SPILL RESPONSE MATERIALS AVAILABLE ON SITE AT ALL TIMES. ANY SPILL OF OIL, FUEL, OR HAZARDOUS MATERIAL SHALL BE REPORTED IMMEDIATELY TO THE OFFICE OF OIL AND GAS AND CONTAINED AND REMEDIATED IN ACCORDANCE WITH APPLICABLE REGULATIONS.

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NOTES:

1. CONTRACTOR SITE RECLAMATION ALL FILL AREAS SHALL BE COMPACTED IN LIFTS MAXIMUM LIFT THICKNESS OF 8 INCHES TO ENSURE PROPER COMPACTION. ANY SETTLEMENT OR SUBSIDENCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. ALL TOPSOIL REMOVED DURING CONSTRUCTION SHALL BE STOCKPILED IN DESIGNATED AREAS AND USED FOR FINAL RESTORATION. TOPSOIL SHALL NOT BE USED IN STRUCTURAL FILL AREAS.
3. ALL SEDIMENT TRAPPED BEHIND SILT FENCE SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED UPLAND LOCATION. SEDIMENT SHALL NOT BE DISPOSED OF IN ANY STREAM, WETLAND, OR BELOW THE LIMITS OF DISTURBANCE.
4. ALL POLLUTION AND HAZARDOUS MATERIALS CONTROLS SHALL MEET AND EXCEED ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. ANTERO RESOURCES CORPORATION AND THEIR WVDEP OFFICE OF OIL AND GAS (DEPARTMENT PF-306-418-3749)
5. ALL LANDOWNER AGREEMENTS, EASEMENTS, AND ROAD USE AGREEMENTS SHALL BE MAINTAINED ON SITE AT ALL TIMES DURING THE ENTIRE COURSE OF CONSTRUCTION AND SHALL BE MADE AVAILABLE FOR INSPECTION UPON REQUEST.
6. ANY WATER SOURCES OR WATER WELLS IDENTIFIED WITHIN 1,000 FEET OF THE PROJECT SHALL BE SAMPLED BY A CERTIFIED LABORATORY PRIOR TO CONSTRUCTION AND AGAIN WITHIN 30 DAYS AFTER COMPLETION. RESULTS

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OLIVE UNIT 4H - API#47-095-02441
OLIVE UNIT 1H - API#47-095-02450
MIDGE UNIT 4H - API#47-095-02440

WELL PLUGGING PLAN

CENTERVILLE & MEADE DISTRICTS, TYLER COUNTY, WEST VIRGINIA

SANCHO CREEK WATERSHED

USGS 7.5 MIDDLEBOURNE & SHIRLEY QUAD MAPS

LOCATION COORDINATES:
ACCESS ROAD ENTRANCE
LATITUDE: 39.418400 N (NAD 83)
N 4365184.69 E 507555.02 (UTM ZONE 17 METERS)
CENTROID OF WELL PAD
LATITUDE: 39.420268 LONGITUDE: -80.818827 (NAD 83)
N 4365368.69 E 507445.19 (UTM ZONE 17 METERS)

GENERAL DESCRIPTION
THE PLUGGING OF EXISTING HORIZONTAL GAS WELLS.
THE ACCESS ROADS, WATER CONTAINMENT PAD, AND WELL PAD ARE BEING UPGRADED TO AID IN

FLOODPLAIN NOTES:
THE SITE IS LOCATED WITHIN FEMA FLOOD ZONE "X" PER FEMA FIRMS MAP #54095C0150C.

MISS UTILITY STATEMENT:
ANTERO RESOURCES CORPORATION HAS NOTIFIED MISS UTILITY OF WEST VIRGINIA FOR THE LOCATION OF UNDERGROUND UTILITIES WITHIN THE PROJECT AREA/ROAD. IN ADDITION, MISS UTILITY WAS CONTACTED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT.

ENTRANCE PERMIT
A WEST VIRGINIA DEPARTMENT OF TRANSPORTATION HIGHWAY ENCROACHMENT PERMIT (FORM MAP-108) FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

ENVIRONMENTAL NOTES:
STREAM AND WETLAND DELINEATIONS WERE PERFORMED NOVEMBER 2025 BY CAM CONSULTANTS, INC. & ANTERO RESOURCES CORPORATION. THE DELINEATIONS WERE PERFORMED IN ACCORDANCE WITH THE "WETLANDS DELINEATION MANUAL" (TECHNICAL REPORT Y-87-1) AND "REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: EASTERN MOUNTAINS AND PIEDMONT REGION" (ERDC/EL TR-12-9) AND WERE FOUND TO BE THE BOUNDARY FORMED BY THE U.S. ARMY CORPS OF ENGINEERS (USACE) AND WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (WVDEP). THE NOTEWORTHY STREAMS AND WETLANDS WITHIN THE PROJECT AREA ARE MOST LIKELY TO BE JURISDICTIONAL TO THE USACE AND WVDEP. THE DELINEATION REPORT, DATA FORMS, AND FIELD DETERMINATIONS WERE SUBMITTED TO THE USACE AND WVDEP FOR CONCURRENCE. THE FINAL JURISDICTIONAL DETERMINATION WAS RECEIVED ON [DATE]. A COPY OF THE JURISDICTIONAL DETERMINATION AND THE DELINEATION REPORT IS INCLUDED IN APPENDIX [X]. A PERMIT IS REQUIRED BY THE USACE AND WVDEP FOR ANY IMPACTS TO JURISDICTIONAL WATERS OF THE U.S. AND/OR STATE WATERS. THE FINAL DELINEATION MAP WAS PREPARED BY CAM CONSULTANTS, INC. & ANTERO RESOURCES CORPORATION AND IS INCLUDED IN APPENDIX [X]. A COPY OF THE JURISDICTIONAL DETERMIN

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WW-9
(5/16)

API Number 47 - 095 - 02440
Operator's Well No. Midge Unit 4H

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) Outlet Middle Island Creek Quadrangle Middlebourne & Shirley

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 _____)
_____ Reuse (at API Number _____)
■ Off Site Disposal (Supply form WW-9 for disposal location)
_____ Other (Explain _____

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

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. Removed Offsite - Solids Control Company

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

-Landfill or offsite name/permit number? Buckeye Brine, Coshocton, OH – Belmont Solids Control, Cadiz, OH – Mud Masters, Friendly, WV

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.

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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 day of September, 20 26

Carly Rayne Wren Notary Public

My commission expires 10-5-30

CARLY RAYNE WREN
NOTARY PUBLIC - STATE OF COLORADO
NOTARY ID 20224038743
MY COMMISSION EXPIRES OCT 5, 2030

10/30/2026

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Form WW-9

Operator's Well No. Weekley Unit 1H

Proposed Revegetation Treatment: Acres Disturbed 5.17 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	Seed Type	lbs/acre
Annual Ryegrass	40	Crownvetch	10-15
Field Bromegrass	40	Tall Fescue	30
Please reference Table IV-3 of the Well Plugging Plan		Please reference Table IV-4A of the Well 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: Stephen Mccoy Digitally signed by Stephen Mccoy Date: 2026.10.09 11:50:19 -04'00'

Comments:

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Title: Date:

Field Reviewed? ( )Yes ( )No

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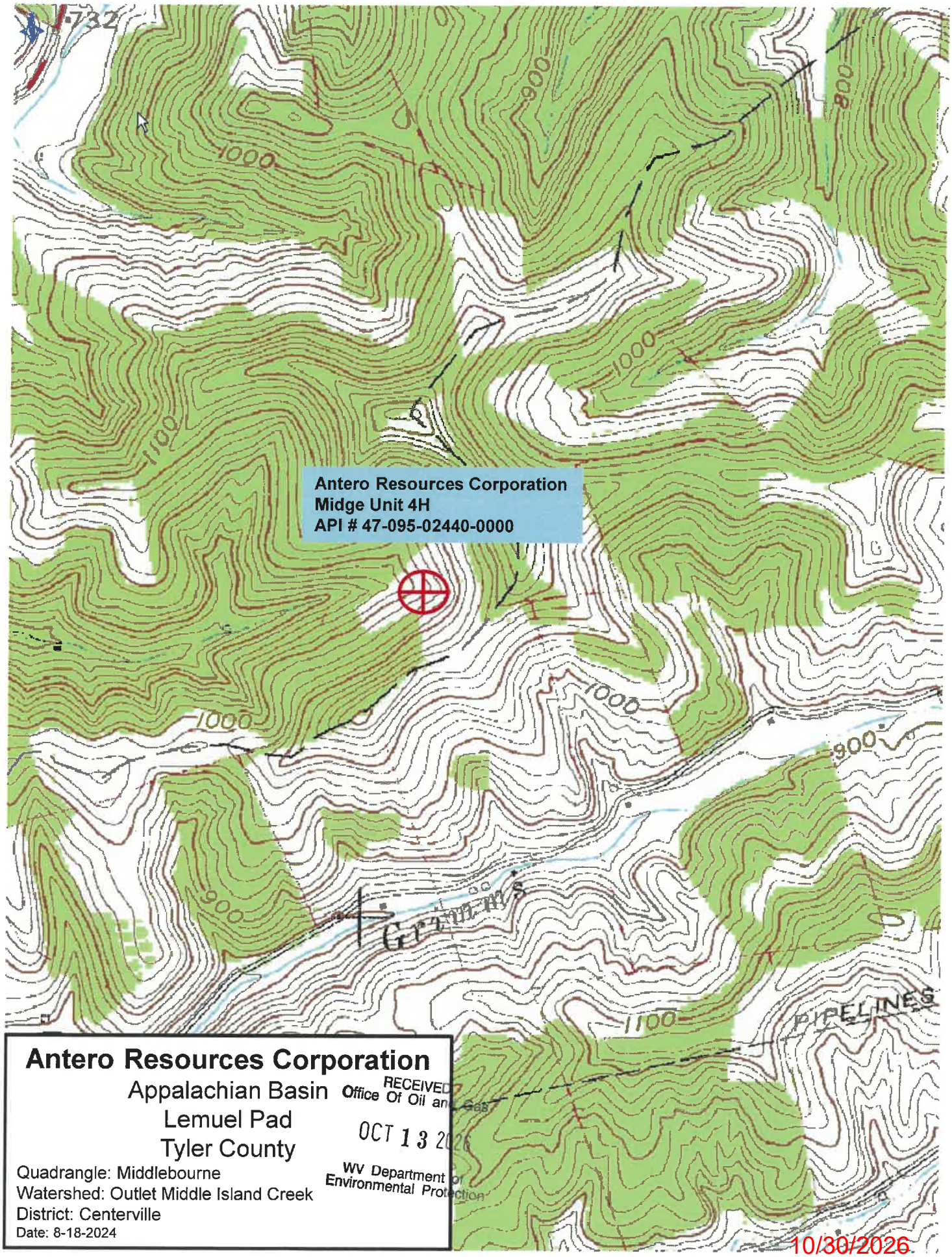

Antero Resources Corporation

Appalachian Basin

Lemuel Pad

Tyler County

Quadrangle: Middlebourne
Watershed: Outlet Middle Island Creek
District: Centerville
Date: 8-18-2024

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Oil&Gas

Wells, Horizontal Only

WellStatus

- Active Well
- Permit Issued
- Permit Application
- Plugged

Wells, Active Status Only

WellUse

- Brine Disposal
- Fluid Injection
- Gas Production
- House Gas
- Observation
- Oil Production
- Production
- Solution Mining
- Storage
- Vent
- <all other values>

Wells, Other than Active Status

WellUse

- Brine Disposal
- Fluid Injection
- Gas Production
- House Gas
- Observation
- Oil Production
- Production
- Solution Mining
- Storage



begin date

end date

10/30/2026

rainfall tota

update

4709502440P

WW-7
8-30-06

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

API: 47-095-02440 **WELL NO.:** Midge 4H

FARM NAME: Lemuel

RESPONSIBLE PARTY NAME: Antero Resources Corporation

COUNTY: Tyler **DISTRICT:** Centerville & Meade

QUADRANGLE: Middlebourne & Shirley

SURFACE OWNER: Antero Resources Corporation

ROYALTY OWNER:

UTM GPS NORTHING: 4363661.17 m

UTM GPS EASTING: 507456.81 m **GPS ELEVATION:** 1158.2 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

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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.

Mary Tuy — Signature
Permitting Manager — Title
9/23/26 — Date

10/30/2026