

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

Wednesday, July 24, 2024 WELL WORK PERMIT Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET

DENVER, CO 80202

Re:

Permit approval for RATA UNIT 1H

47-095-02895-00-00

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.

Please be advised that form WR-35, Well Operators Report of Well Work 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

Operator's Well Number: RATA UNIT 1H

Farm Name: SHIRLEY J WELLS & SUSIE

U.S. WELL NUMBER: 47-095-02895-00-00

Horizontal 6A New Drill

Date Issued: 7/24/2024

API Number: 4709502895

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) 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. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. 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. Also, 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- 8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
- 11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

4709502895

OPERATOR WELL NO. Rata Unit 1H
Well Pad Name: Wrigley Pad

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

1) Well Operator: Antero Res	sources Corpora	494507062	095-Tyler 4	Meade	Bens Run		
		Operator ID	County	District	Quadrangle		
2) Operator's Well Number: R	ata Unit1H	Well Pac	d Name: Wrig	ley Pad			
3) Farm Name/Surface Owner:	Shirley J. Wells & Susie Cur	Public Roa	d Access: Ro	ck Run Roa	ad		
4) Elevation, current ground:	Ele	evation, proposed	post-constructi	ion: 937'			
5) Well Type (a) Gas X	Oil		erground Stora	Witness Control of the last of			
Other							
(b)If Gas Sha	allow X	Deep					
	rizontal X	· · · · · · · · · · · · · · · · · · ·					
6) Existing Pad: Yes or No Ye							
7) Proposed Target Formation(s Marcellus Shale: 6400' TVD, A	s), Depth(s), Antici Anticipated Thicknes	pated Thickness a ss- 55 feet, Associa	nd Expected Pated Pressure- 2	ressure(s): 2800#			
8) Proposed Total Vertical Dept	Section of the second section of the section of the second section of the section of the second section of the second section of the	/					
9) Formation at Total Vertical I	Depth: Marcellus	/					
10) Proposed Total Measured D	epth: 8500' MD	/					
11) Proposed Horizontal Leg Le	ength: 500'	/					
12) Approximate Fresh Water S	12) Approximate Fresh Water Strata Depths: 397'						
13) Method to Determine Fresh 14) Approximate Saltwater Dep		7-095-02815					
15) Approximate Coal Seam De	pths: None Ident	ified					
16) Approximate Depth to Possi	ible Void (coal mir	ne, karst, other):	None Anticipat	ed			
17) Does Proposed well location directly overlying or adjacent to	ontain coal seam an active mine?	Yes	No	X			
(a) If Yes, provide Mine Info:	Name:						
	Depth:						
	Seam:	PARTY CONTRACTOR OF THE PARTY	0	RECEIVEL ffice of Oil and)		
	Owner:			HNI O	l Gas		
			Tan	UN 28 20	24		
			Enviro	Department of the Department o	of ction		

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07/26/2024

WW-6B (04/15)

API NO. 47- 095

OPERATOR WELL NO. Rata Unit 1H
Well Pad Name: Wrigley Pad

18)

CASING AND TUBING PROGRAM

TYPE	T	New						
	Size (in)	or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: Drilling (-	INTERVALS: Left in Well	CEMENT: Fill-up
Conductor	20"	New	H-40	94#	1001		<u>(ft)</u>	(Cu. Ft.)/CTS
				94#	100'	•	100'	CTS, 96 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	447'	1	447'	CTS, 466 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	2500'	1		CTS, 1018 Cu. Ft.
Intermediate						-	2000	C13, 1018 CU. Ft.
Production	5-1/2"	New	D 440	00"		/		
	0-1/2	IVEW	P-110	23#	8500'		8500'	CTS, 1214 Cu. Ft
Tubing	2-3/8"	New	N-80	4.7#				
Liners								

TYPE	1		Wall		1 4		
	Size (in)	Wellbore Diameter (in)	Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield / (cu. ft./k)
Conductor	20"	24"	0.438"	1530	50	Class A/L	~1.18
Fresh Water	13-3/8"	17-1/2"	0.38"	2730	1000	Class A/L	~1.18
Coal	9-5/8"	12-1/4"	0.352"	3520	1500	Class A/L	
Intermediate					1000	Class AVL	~1.18
Production	5-1/2"	8-3/4" & 8-1/2"	0.415"	12,630 /	2500	Class G/H	~1.8
Tubing	2-3/8"	4.778"	0.19"	11,200	2000	Oldso On I	71.0
Liners				71,200			

PACKERS

N/A	
N/A	
N/A	RECEIVED Office of Oil and Gas
	N/A

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WV Department of Environmental Protection

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WW-6B (10/14)

API NO. 47- 095 OPERATOR WELL NO. Rata Unit 1H Well Pad Name: Wrigley Pad

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:	
Drill, perforate, fracture a new vertical shallow well and complete Marcellus Shale.	***************************************
	5

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Antero plans to pump Slickwater into the Marcellus Shale formation in order to ready the well for production. The fluid will be comprised of approximately 99 percent water and sand, with less than 1 percent special-purpose additives as shown in the attached "List of Anticipated Additives Used for Fracturing or Stimulating Well."

Anticipated Max Pressure - 9300 lbs Anticipated Max Rate - 80 bpm

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 28.45 acres

22) Area to be disturbed for well pad only, less access road (acres): 10.35 acres

23) Describe centralizer placement for each casing string:

Conductor: no centralizers

Surface Casing: one centralizer 10' above the float shoe, one on the insert float collar and one every 4th joint spaced up the hole

Intermediate Casing: one centralizer above float joint, one centralizer 5' above float collar and one every 4th collar to surface. Production Casing: one centralizer at shoe joint and one every 3 joints to top of cement in intermediate casing.

24) Describe all cement additives associated with each cement type:

Conductor: no additives, Class A/L cement.

Surface: Class A/L cement with 2-3% calcium chloride and 1/4 lb of flake Intermediate: Class A/L cement with 1/4 lb of flake, 5 gallons of clay treat

Production: Lead cement- 50/50 Class H/Poz + 1.5% salt + 1% C-45 + 0.5% C-16a + 0.2% C-12 + 0.45% C-20 + 0.05% C-51 Production: Tail cement- Class H + 45 PPS Calcium Carbonate + 1.0% FL-160 + 0.2% ACGB-47 + 0.05% ACSA-51 + 0.2% ACR-20

25) Proposed borehole conditioning procedures:

Conductor: blowhole clean with air, run casing, 10 bbls fresh water.

Surface: blowhole clean with air, trip to conductor shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate pipe capacity + 40 bbls fresh water followed by 25 bbls bentonite mud, 10 bbls fresh water spacer.

Intermediate: blowhole clean with air, trip to surface casing shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate 40 bbls brine water followed by 10 bbls fresh water and 25 bbls bentonite mud, pump 10 bbls fresh water.

Production: circulate with 14 lb/gal NaCl mud, trip to middle of lateral, circulate, pump high viscosity sweep, trip to base of curve, pump high viscosity sweep, trip to top of curve, trip to bottom, circulate, pump high viscosity sweep, trip out, run casing, circulate 10 bbls fresh water, pump 48 bbls barite pill, pump 10 bbls fresh water followed by 48 bbls mud flush and 10 bbls water. Office of Oil and Gas

*Note: Attach additional sheets as needed.

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WW-9 (4/16)

API	Number	47	_	095	

Operator's Well No. Rata Unit 1H

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

FLUIDS/ CUTTINGS DISPOSAL & REC	CLAMATION PLAN
Operator Name Antero Resources Corporation	OP Code 494507062
Watershed (HUC 10) Outlet Middle Island Creek Ouadran	gle Bens Run
Do you anticipate using more than 5,000 bbls of water to complete the propos	red well work? Yes V No
Will a pit be used? Yes No	TO WOLL
If so, please describe anticipated pit waste: No pit will be used at this site (Drilling un	d Flowback Fluids will be stored in tenks. Cuttings will be tanked and hauted off site.)
Will a synthetic liner be used in the pit? Yes No	If so, what ml.? N/A
Proposed Disposal Method For Treated Pit Wastes:	,
Land Application Underground Injection (UIC Permit Number_*UIC Reuse (at API Number_Future permitted well locations whe Off Site Disposal (Supply form WW-9 for disposa Other (Explain	n applicable. API# will be provided on Form WR-34 l locatior(Meadowfill Landfill Permit #SWF-1032-98) Northwestern Landfill Permit #SWF-1025/ WV0109410 Wetzel Co Landfill Permit #SWF-1021
Drilling medium anticipated for this well (vertical and horizontal)? Air, fresh	Water, oil based, etc. Dust/Stiff Foam, Production - Water Based Mud
-If oil based, what type? Synthetic, petroleum, etc. Synthetic	
Additives to be used in drilling medium? Please See Attachment	
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc	
-If left in pit and plan to solidify what medium will be used? (cement	, lime, sawdust)_N/A
-Landfill or offsite name/permit number? Meadowfill Landfill (Permit #SWF-1	032-98), Northwestern Landfill (Permit # SWF-1025/WV0109410)
Permittee shall provide written notice to the Office of Oil and Gas of any load west Virginia solid waste facility. The notice shall be provided within 24 hours where it was properly disposed.	f daill mari
I certify that I understand and agree to the terms and conditions of the on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department provisions of the permit are enforceable by law. Violations of any term or collaw or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and application form and all attachments thereto and that, based on my inquire obtaining the information, I believe that the information is true, accurate, a penalties for submitting false information, including the possibility of fine or in	am familiar with the information submitted on this y of those individuals immediately responsible for a complete. I am aware that there are significant apprisonment.
Company Official Signature <u>Gretchen Kohler</u> Company Official (Typed Name) Gretchen Kohler	Office of Oil and Gas
Company Official Title Director of Environmental & Regulatory Compliance	JUN 24 2024
Outputy Official Title Product of Environmental & Regulatory Compliance	WyDenart
Subscribed and swom before me this 2 day of UNC	2/1
Carry Rayne Marves	Notary Public
My commission expires (1) -5-210	CARLY RAYNE MARVEL Notary Public
	State of Colorado Notary ID # 20274038743 My Commission 0x6/26/2024

Form WW-9 Operator's Well No. Rata Unit 1H Antero Resources Corporation Proposed Revegetation Treatment: Acres Disturbed 24.85 acres Prevegetation pH Lime 2-4 Tons/acre or to correct to pH 6.5 Hay or straw or Wood Fiber (will be used where needed) Fertilizer type Fertilizer amount 500 Ibs/acre Mulch 2-3 Tons/acre Access Road "A" (4.61 acres)+Well Pad(10.35 acres) +Staging Area (0.75 acres) + Excess/Topsoil Material Stockpiles (12.74 acres) =28.45 Acres Seed Mixtures Temporary Permanent Seed Type lbs/acre Seed Type lbs/acre Annual Ryegrass 40 Crownvetch 10-15 Field Bromegrass 40 Tall Fescue/Perennial Ryegrass 30/20 See attached Table IV-3 for additional seed type (Wrigtey Pad Design) See attached Table IV-4A for additional seed type (Wrigley Pad Design) *or type of grass seed requested by surface owner *or type of grass seed requested by surface owner Attach: Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area. Photocopied section of involved 7.5' topographic sheet. Plan Approved by Comments: Field Reviewed? WV Department of Environmental Protection



911 Address 1199 Rock Run Rd Friendly, WV 26146

Well Site Safety Plan **Antero Resources**

Well Name: Wrigley Unit 5V, Little Unit 1H-2H, Martindill Unit 1H-2H, Trunk Unit 1H-2H, Burch Unit 1H, Oxbow Unit 1H, Rata Unit 1H

Pad Location: Wrigley Pad

Tyler County/Meade District

GPS Coordinates:

Entrance - Lat 39.423516"/Long -81.006496" (NAD83) Pad Center - Lat 39.421315"/Long -81.007502" (NAD83)

Driving Directions:

From the town of Wick: Head north on Friendly Rush Fork/Hog Run Rd for 59 ft, Turn left onto Wick Rd for 1.7 miles, Turn right to stay on Wick Rd for 351 ft, Turn right onto Rock Run Rd for 1.1 miles, Access road will be on your left.

Alternate Route:

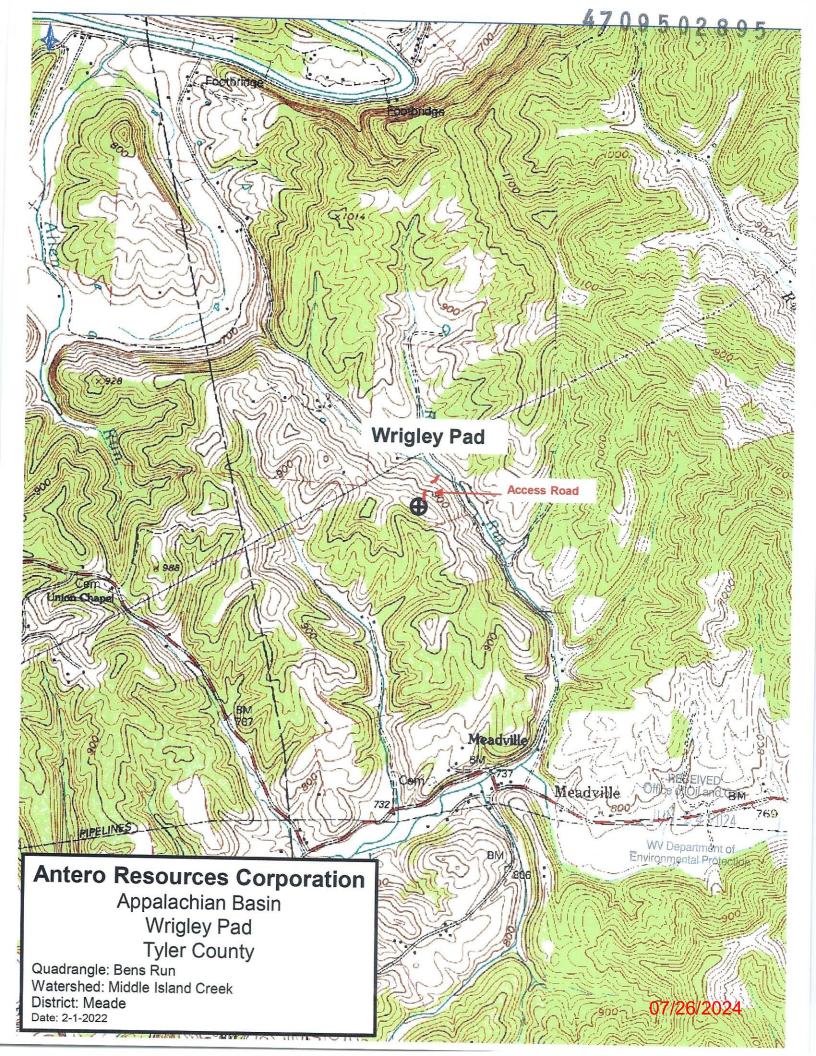
From the town of Long Reach: Head southwest on WV-2 S for 1.9 miles, Turn left onto Arvilla Rd for 4.0 miles, Turn right to stay on Arvilla Rd for 1.1 miles, Turn left onto Beech Run for 1.7 miles, Slight right onto Allen Run for 0.5 miles, Continue onto Falls Mills Rd/Shiloh-Slicker for 0.1 miles, Turn right onto Rock Run Rd for 1.7 miles, Access road will be on your right.

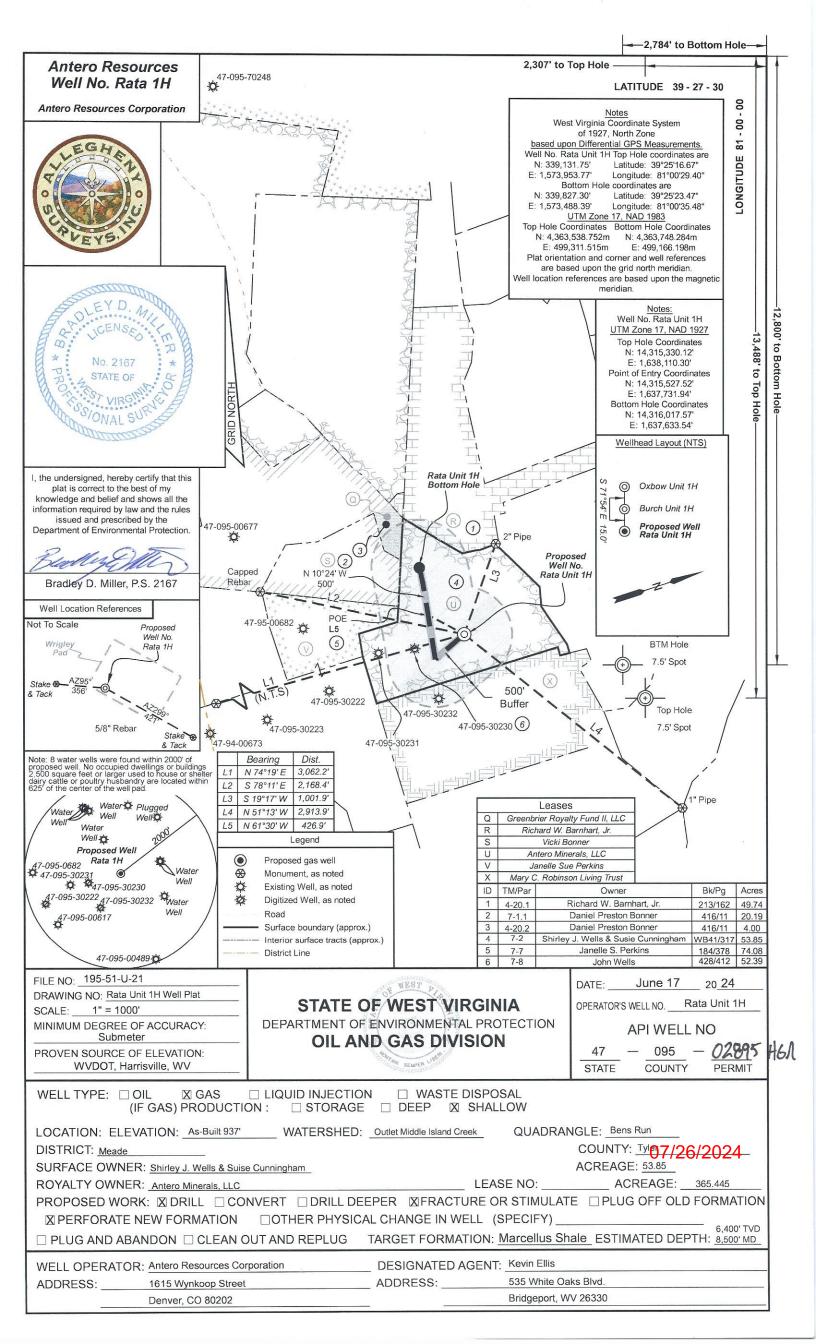
EMERGENCY (24 HOUR) CONTACT 1-800-878-1373

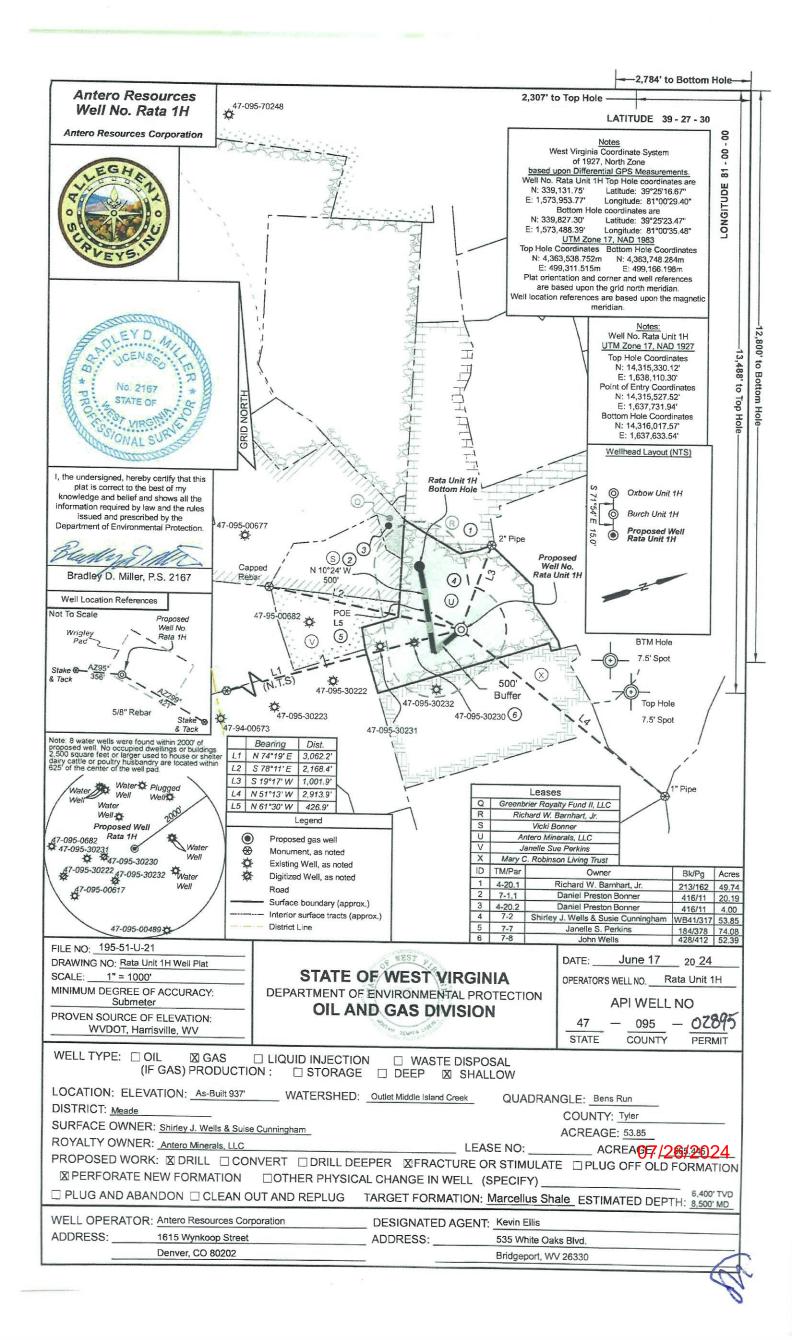
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JUN 28 2024

WV Department of Environmental Protection







WW-6A	l
(5/13)	

Operator's Well No. F	Rata Unit 1H
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INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that -

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number U: Antero Minerals, LLC Lease	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
estance of thines ass. DEC Lease	Antero Minerals, LLC	Autero Resources Corporation	1/8+	184/780

Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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Office of Oil and Gas

JUN 24 2024

WV Department of Environmental Protection

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Antero Resources Corporation

By: Max Green

Its: Vice President of Land

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

June 19, 2024

West Virginia Department of Environmental Protection Chief, Office of Oil and Gas Attn: Mr. James Martin 601 57th Street SE Charleston, WV 25304

RE:

Rata Unit 1H

Quadrangle: Bens Run 7.5'

Tyler County/Meade District, West Virginia

Mr. Martin:

Antero Resources Corporation (Antero) is submitting the following application for a new well work permit for the Rata Unit 1H horizontal shallow well. As an authorized representative, I certify that Antero has the right to extract, produce or market the oil or gas for all leases through which the Rata Unit 1H horizontal lateral will drill through including any and all roads crossed under as identified on the attached survey plat.

Sincerely,

Tyler Skavdahl

Landman

RECEIVED Office of Oil and Gas

JUN 2 4 2024

WV Department of Environmental Protection

WW-PN (11-18-2015)

Horizontal Natural Gas Well Work Permit **Application Notice By Publication**

Notice is	hereby	given:
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Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement

Paper: Tyler Star News	- 10gua un vertischient.
Public Notice Date: May 1st, 2024 & May 8th, 202	4
The following applicant intends to apply for a horiz surface excluding pipelines, gathering lines and road any thirty day period.	zontal natural well work permit which disturbs three acres or more of ds or utilizes more than two hundred ten thousand gallons of water in
Applicant: Antero Resources Corporation	Well Number: Rata Unit 1H
Address: 1615 Wynkoop St. Denver, CO 80202	
Business Conducted: Natural gas production. Location –	
State: West Virginia / District: Meade /	County: Tyler / Quadrangle: Bens Run /
UTM Coordinate NAD83 Northing: 43635	538.75m /
TITEL 11 NOTE	11.51m
Coordinate Conversions	

To convert the coordinates above into longitude and latitude, visit: http://tagis.dep.wv.gov/convert/llutm_conus.php

Electronic notification:

To receive an email when applications have been received or issued by the Office of Oil and Gas, visit http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx to sign up.

Reviewing Applications:

Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost \$15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to DEP.comments@wv.gov.

Submitting Comments:

Comments may be submitted online at https://apps.dep.wv.gov/oog/comments/comments.cfm, or by letter to Permit partment of Permit Permit Protections of the Comments of the Com Review, Office of Oil and Gas, 601 57th Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option.

Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas.

For information related to horizontal drilling visit: www.dep.wv.gov/oil-and-gas/pages/default.aspx

JUN 24 2024

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE CERTIFICATION

Date of Notice Certification: 06/20/2024 API No. 47- 095					
		s Well No. Rata	Unit 1H		
NT / R	_	Name: Wrigley I			
Notice has been given:					
Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:					
below for the tract of land as follows: State: West Virginia					
	UTM NAD 83 Easting:	499311.51m			
District Control of the Control of t	Northing:	4363538.75m			
0-1	Public Road Access:	Rock Run Rd			
Watershed: Outlet Middle Island Creek	Generally used farm name:	Shirley J. Wells &	Susie Cunningham		
Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.					
Pursuant to West Virginia Code § 22-6A, the Operator has att that the Operator has properly served the required parties with	tached proof to this Notice Con the following:	ertification			
*PLEASE CHECK ALL THAT APPLY			OOG OFFICE USE ONLY		
1. NOTICE OF SEISMIC ACTIVITY or NOTICE SEISMIC A	CE NOT REQUIRED BECAU ACTIVITY WAS CONDUC	JSE NO FED	RECEIVED/ NOT REQUIRED		
☐ 2. NOTICE OF ENTRY FOR PLAT SURVEY or ■ N	IO PLAT SURVEY WAS CO	ONDUCTED	☐ RECEIVED		
NOTICE O	CE NOT REQUIRED BECAU FENTRY FOR PLAT SURV DUCTED or		RECEIVED/ NOT REQUIRED		
	TEN WAIVER BY SURFAC ASE ATTACH)	CE OWNER			
4. NOTICE OF PLANNED OPERATION	RECEIV Office of Oil	ED Ind Gas	□ RECEIVED		
5. PUBLIC NOTICE	JUN 24	and the same of th	□ RECEIVED		
6. NOTICE OF APPLICATION	WV Departr Enviro nmental	nent of Protection	☐ RECEIVED		

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

WW-6AC (1/12)

Certification of Notice is hereby given:

THEREFORE, I Jon McEvers , have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, 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 and imprisonment.

Well Operator: Antero Resources Corporation Address: 1615 Wynkoop Street

By: Jon McEvers Denver, CO 80202

Its: Senior VP of Operations Facsimile: 303-357-7373

Telephone: 303-357-6799 Email: cmarvel@anteroresources.com

CARLY FIXTURY SEARVEL

Notary Public

State of Colorado

Notary ID # 20224038743

My Commission Expires 10-05-2026

Subscribed and sworn before me this 9 day of UNC 2024

Cally Rayl Marvel Notary Public

My Commission Expires 10-5-7(0)

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

RECEIVED Office of Oil and Gas

JUN 24 2024

WV Department of Environmental Protection WW-6A (9-13)

4709502895

OPERATOR WELL NO. Rata Unit 1H
Well Pad Name: Wrigley Pad

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

Not	ice Time Requirement:	notice shall be provide	ed no later tl	han the filing date of permit application.	
Dat	e of Notice: 6/21/2024 D				
Not	ice of:				
7	PERMIT FOR ANY WELL WORK			PPROVAL FOR THE AN IMPOUNDMENT OR PIT	
Deli	very method pursuant t	o West Virginia Cod	e § 22-6A-1	0(b)	
	PERSONAL SERVICE	REGISTERED MAIL		HOD OF DELIVERY THAT REQUIRES A EIPT OR SIGNATURE CONFIRMATION	
the soil and description operation o	urface of the tract on which and gas leasehold being devibed in the erosion and senter or lessee, in the event coal seams; (4) The owner work, if the surface tract is undment or pit as describe a water well, spring or warde water for consumption osed well work activity is tection (b) of this section had so of the sheriff required to sion of this article to the car. § 35-8-5.7.a requires.	the well is or is proposed diment control plan sub the tract of land on white so frecord of the surfact to be used for the place diment substantial in section nine of this ter supply source located by humans or domestic to take place. (c)(1) If model interests in the lands to be maintained pursual contrary, notice to a lien in part, that the operator	sarticle, and osed to be lood well work, somitted pursuich the well pace tract or to ement, consists article; (5) and within one animals; an ore than thres, the applicant to section holder is no or shall also or	or signature confirmation, copies of the application, the the well plat to each of the following persons: (1) The cated; (2) The owners of record of the surface tract or traif the surface tract is to be used for roads or other land dant to subsection (c), section seven of this article; (3) Toroposed to be drilled is located [sic] is known to be uncacts overlying the oil and gas leasehold being developed truction, enlargement, alteration, repair, removal or abandany surface owner or water purveyor who is known to be thousand five hundred feet of the center of the well part of (6) The operator of any natural gas storage field withing the tenants in common or other co-owners of interests definit may serve the documents required upon the person defight, article one, chapter eleven-a of this code. (2) Not to notice to a landowner, unless the lien holder is the landorovide the Well Site Safety Plan ("WSSP") to the surface of the	owners of record of acts overlying the listurbance as the coal owner, derlain by one or d by the proposed andonment of any the applicant to d which is used to a which the escribed in the escribed in the withstanding any
	partey of of surface owne	r subject to notice and	water testing	as provided in section 15 of this rule. Well Plat Notice is hereby provided to:	3
	RFACE OWNER(s)			□ COAL OWNER OR LESSEE	
	: Shirley Wells			Name: NO DECLARATIONS ON RECORD WITH COUNTY	
Addr	ess: 1509 Maple Ave			Address:	RECEIVED
	lle, OH 43968				Office of Oil and Gas
	Susie Cunningham			COAL OPERATOR	JUN 24 2024
	ess: 1509 Maple Ave			Name: NO DECLARATIONS ON RECORD WITH COUNTY	DOLL WILLIAM
	lle, OH 43968			Address:	WV Department of
180	RFACE OWNER(s) (Roa	ad and/or Other Distur	bance)		Environmental Protection
Name Addr	ess:			WATER PURVEYOR(s)/OWNER(s) OF WATER WELL, SPRING OR OTHER WATER SUPPLY SOURCE	
				Name: PLEASE SEE ATTACHMENT	
Name): 			Address:	
Addro	ess:				
SU.	RFACE OWNER(s) (Imp	ooundments or Pits)		OPERATOR OF ANY NATURAL GAS STORA Name:Address:	AGE FIELD
Addre	ess:				
-				*Please attach additional forms if necessary	

WW-6A (8-13)

API NO. 47- 095

OPERATOR WELL NO. Rata Unit 1H

Well Pad Name: Wrigley Pad

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.www.gov/oil-rand-gas/pages/default.aspx.

Office of Oil and Gas

Well Location Restrictions

JUN 24 2024

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A (8-13)

API NO. 47-095

OPERATOR WELL NO. Rata Unit 1H

Well Pad Name: Wrigley Pad

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at: RECEIVED Office of Oil and Gas

Chief, Office of Oil and Gas Department of Environmental Protection 601 57th St. SE Charleston, WV 25304 (304) 926-0450

JUN 24 2024

WV Department of Environmental Protection

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WW-6A (8-13)

API NO. 47-095

OPERATOR WELL NO. Rata Unit 1H

Well Pad Name: Wrigley Pad

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) 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.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and 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.

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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Office of Oil and Gas

JUN 24 2024

WV Department of Environmental Protection

4709502895

WW-6A (8-13)

API NO. 47-095 OPERATOR WELL NO. Rata Unit 1H
Well Pad Name: Wrigley Pad

Notice is hereby given by:

Well Operator: Antero Resources Corporation

Telephone: (303) 357-7373

Email: cmarvel@anterpresources.com

an MEver Address: 1615 Wynkoop Street

Denver, CO 80202

Facsimile: 303-357-7315

Oil and Gas Privacy Notice:

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

Subscribed and swom before me this 19 day of UMI 2074.

COPUL RAY NO LANGE Public

My Commission Expires 10-5-70

RECEIVED Office of Oil and Gas

JUN 24 2074

WV Department of Environmental Protection WW-6A4 (1/12)

Operator Well No. Rata Unit 1H

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Delivery metl	hod pursuant to West Virginia Code § 22-0			
		6A-16(b)		
☐ HAND	CERTIFIED MAIL			
	- CERTIFIED WAIL			
DELIVE	RY RETURN RECEIPT REQUI	ESTED		
drilling a horiz of this subsect subsection ma	Y. Va. Code § 22-6A-16(b), at least ten days parted or hand delivery, give the surface owner zontal well: <i>Provided</i> , That notice given purion as of the date the notice was provided to y be waived in writing by the surface owner, e, facsimile number and electronic mail addr	notice of its intent to enter upon the suant to subsection (a), section to the surface owner: <i>Provided</i> , how The notice, if required, shall include the surface owner.	he surface owner's len of this article sati wever, That the notic	and for the purpose of sfies the requirements of this
Notice is her	eby provided to the SURFACE OWN	ER(s):		
Name: Shirley W	ells	Name: Susie Cunningham		
Address: 1509 I		Address: 1509 Maple Ave		
Wellsville, OH 439	68	Wellsville, OH 43968		
State: County: District: Quadrangle:	mer's land for the purpose of drilling a horizon West Virginia Tyler Meade Bens Run Outlet Middle Island Creek	UTM NAD 83 Public Road Access: Generally used farm name:	9311.51m 4363538.75m Rock Run Road Shirley J. Wells & Susie (Cunningham
Pursuant to W facsimile numi related to horiz	Shall Include: Vest Virginia Code § 22-6A-16(b), this not ber and electronic mail address of the oper zontal drilling may be obtained from the Se 57 th Street, SE, Charleston, WV 25304 (304-	rator and the operator's authorized	ed representative. A	dditional information otection headquarters, as/pages/default.aspx.
	eby given by:			Office of Oil and Gas
	: Antero Resources Corporation	Authorized Representative:	Mallory Turco	JUN 2 4 2024
Address:	1615 Wynkoop St.	Address:	1615 Wynkoop St.	
	Denver, CO 80202	and the desirence states	Denver, CO 80202	WV Department of
Telephone:	303-357-7310	Telephone:	303-357-7310	Environmental Protection
Email:	mturco@anteroresources.com	Email:	mturco@anteroresourc	COS COM
Facsimile:	303-357-7315	Facsimile:	303-357-7315	Jes.COIII
0" 10			000-007-7010	

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

4709502895 Operator Well No. Rata Unit 1H

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Notice Date o	of Notice	equirement: notice shall be provided no late Permit Appli	ter than the filing cation Filed: 06	date of permit	application.
Delive	ry meth	od pursuant to West Virginia Code § 22-6	6A-16(c)		
			AND ELIVERY		
the pla require drilling damage	anned op ed to be p g of a ho es to the e notices	Va. Code § 22-6A-16(c), no later than the equested or hand delivery, give the surface of eration. The notice required by this subsection (b), section ten of this prizontal well; and (3) A proposed surface surface affected by oil and gas operations to required by this section shall be given to the	owner whose lan ection shall inclusis article to a sur- use and compen to the extent the d	d will be used for ide: (1) A copy face owner whos sation agreement amages are com-	or the drilling of a horizontal well notice of of this code section; (2) The information the land will be used in conjunction with the at containing an offer of compensation for opensable under article six-b of this chapter.
(at the Name: Addres	is hereb address I Shirley Wel ss: 1509 Ma e, OH 43968	aple Ave	of notice): Name: Addres	Susie Cunningham S: 1509 Maple Ave e, OH 43968	
Pursua	on on th	by given: st Virginia Code § 22-6A-16(c), notice is he e surface owner's land for the purpose of dr Nest Virginia Tyler	reby given that t illing a horizonta UTM NAD 8	al well on the tra Easting:	ct of land as follows:
District		Meade	Public Road	Northing:	4363538.75m
Quadra	5333 Y	Bens Run		ed farm name:	Rock Run Rd
Waters		Outlet Middle Island Creek	Ocherany us	cu faim name.	Shirley J. Wells & Susie Cunningham
Pursuan to be p horizon surface informa headqua	nt to West provided ntal well; affected ation rela	all Include: st Virginia Code § 22-6A-16(c), this notice by W. Va. Code § 22-6A-10(b) to a surfa and (3) A proposed surface use and compe by oil and gas operations to the extent the ated to horizontal drilling may be obtained becated at 601 57 th Street, SE, Charleston lt.aspx.	ensation agreeme ensation agreeme e damages are co l from the Secre	e land will be un nt containing an compensable und tary, at the WV	sed in conjunction with the drilling of a offer of compensation for damages to the er article six-h of this chapter. Additional
	perator:	Antero Resources Corporation	Address:	1615 Wynkoop Stree	
Telepho	one:	303-357-7373	_	Denver, CO 80202	JUN 2 4 2024
Email:		cmarvel@anteroresources.com	Facsimile:	303-357-7310	WV Department of
Section 1992					Environmental Protection

Oil and Gas Privacy Notice:

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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways Office of the District Engineer/Manager

District Four

Post Office Box 4220 · Clarksburg, West Virginia 26302 · (304) 842-1500

Alanna J. Keller, P.E. Deputy Secretary of Transportation Deputy Commissioner of Highways

Jimmy Wriston, P. E. Secretary of Transportation Commissioner of Highways

June 7, 2024

James A. Martin, Chief Office of Oil and Gas Department of Environmental Protection 601 57th Street, SE Charleston, WV 25304

Subject: DOH Permit for the Wrigley Well Pad, Tyler County Rata Unit 1H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2022-0028 which has been issued to Antero Resources Corporation for access to the State Road for a well site located off Tyler County Route 7/3 SLS MP 1.19.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated March 6, 2023. This letter is valid for permitting purposes for one year from the date of this letter.

RECEIVED Office of Oil and Gas

Very Truly Yours,

JUN 24 2024

WV Department of Environmental Protection

Lacy D. Pratt

Central Office O&G Coordinator

Sacy D. Pratt

Cc: Carly Marvel

Antero Resources Corporation

OM, D-6

File

List of Anticipated Additives Used for Fracturing or 2895 **Stimulating Well**

Additives	Chemical Abstract Service Number	7
Fresh Water	(CAS #)	
2 Phosphobutane 1,2,4 tricarboxylic acid	7732-18-5]
Ammonium Persulfate	37971-36-1	
Anionic copolymer	7727-54-0]
Anionic copolymer Anionic polymer	Proprietary	
BTEX Free Hydrotreated Heavy Naphtha	Proprietary	
Cellulase enzyme	64742-48-9	
Demulsifier Base	Proprietary	
Ethoxylated alcohol blend	Proprietary	
Ethoxylated Nonylphenol	Mixture	
Ethoxylated Nonyiphenoi	68412-54-4	
Ethylene Glycol	26635-93-8	
Glycol Ethers	107-21-1	
Guar gum	111-76-2	
Hydrogen Chloride	9000-30-0	
	7647-01-0	
Hydrotreated light distillates, non-aromatic, BTEX free sopropyl alcohol	64742-47-8	
	67-63-0	
iquid, 2,2-dibromo-3-nitrilopropionamide Microparticle	10222-01-2	
	Proprietary	
Petroleum Distillates (BTEX Below Detect)	64742-47-8	
Polyacrylamide	57-55-6	
Propargyl Alcohol Propylene Glycol	107-19-7	
Quartz	57-55-6	
sillica, crystalline quartz	14808-60-7	
Sodium Chloride	7631-86-9	
Sodium Hydroxide	7647-14-5	
ugar	1310-73-2	
urfactant	57-50-1	
uspending agent (solid)	68439-51-0	
	14808-60-7	
ar bases, quinoline derivs, benzyl chloride-quaternized olvent Naphtha, petroleum, heavy aliph	72480-70-7	
oybean Oil, Me ester	64742-96-7	
opolymer of Maleic and Acrylic Acid	67784-80-9	
ETA phosphonate	52255-49-9	RECEIVED
examthylene Triamine Penta	15827-60-8	ffice of Oil and Gas
	34690-00-1	IUN 2 4 2024
hosphino Carboxylic acid polymer	71030-62-9	
examethylene Diamine Tetra	23605-75-5	N Department of
Propenoic acid, polymer with 2 propenamide		onmental Protection
examethylene diamine penta (methylene phosphonic acid)	23605-74-5	
iethylene Glycol Iethenamine	111-46-6	
	100-97-0	
olyethylene polyamine	68603-67-8	
oco amine	61791-14-8	
Propyn-1-olcompound with methyloxirane	38172-91-7	

07/26/2024

OPERATOR: Antero Resources Corp.	WELL NO: Rata Unit 1H
PAD NAME: Wrigley Pad	
REVIEWED BY: Mallory Turco	SIGNATURE: Mallory Turco

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

Well Restri	ictions	
\checkmark	At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to a Perennial Stream, Lake, Pond, Reservoir or Wetland; OR	ny
	DEP Waiver and Permit Conditions	
\checkmark	At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to a Naturally Producing Trout Stream; OR	ny
	DEP Waiver and Permit Conditions	
\checkmark	At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to Groundwater Intake or Public Water Supply; OR	any
	DEP Waiver and Permit Conditions	
\checkmark	At Least 250 Feet from an Existing Water Well or Developed Spring to Well Be Drilled; OR	ing RECEIVED Office of Oil and Gas
	Surface Owner Waiver and Recorded with County Clerk, OR	JUN 24 2024
	DEP Variance and Permit Conditions	WV Department of Environmental Protection
\checkmark	At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pad; O	
	Surface Owner Waiver and Recorded with County Clerk, OR	
	DEP Variance and Permit Conditions	
\checkmark	At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to to fithe Pad; OR	he Center
	Surface Owner Waiver and Recorded with County Clerk, OR	
	DEP Variance and Permit Conditions	