

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Monday, July 28, 2025 WELL WORK PERMIT Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET

DENVER, CO 80202

Permit approval for Sapinero Unit 4H Re: 47-095-02945-00-00

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- 9450

Operator's Well Number: Sapinero Unit 4H

Farm Name: EQT Production Co.

U.S. WELL NUMBER: 47-095-02945-00-00

Horizontal 6A New Drill

Date Issued: 7/28/2025

API Number: **47-095-02945**

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.

API NO. 47- 095		02	945	
OPERATOR	WELL	NO.	Sapinero Unit 4H	/
Well Pad N	lame:	Delta F	Pad	

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

1) Well Operat	or: Antero R	esources	Corporat			095 - Tyler	Ellsworth	Porter Falls 7.5'
				Operator	· ID	County	District	Quadrangle
2) Operator's V	Well Number:	Sapinero	Unit 4H	/ V	Vell Pac	d Name: Delta	Pad	
3) Farm Name/	Surface Owne	r: EQT Pro	duction Cor	mpany Put	olic Roa	d Access: CR	44	
4) Elevation, cu	urrent ground:	1100'	Ele	evation, pr	oposed	post-constructi	on: 1078'	
5) Well Type	(a) Gas X		Oil			erground Stora	Marine Control of the	4)
	Other							
	(b)If Gas S	hallow	X	D	еер			
	H	Iorizontal	X					
6) Existing Pad	: Yes or No No	10				2		
7) Proposed Ta	rget Formation ale: 7300' TVD	n(s), Depth , Anticipate	(s), Antici d Thicknes	pated Thic ss- 55 feet,	kness a Associa	nd Expected Protected Protected Pressure- 2	ressure(s):	
8) Proposed To				1				
9) Formation at		•	Marcellus					
10) Proposed To	otal Measured	Depth:	10800' ME					-
11) Proposed H	orizontal Leg	Length: 5	500' *Op	en to mo	dificatio	n at a later da	ite	
12) Approximat	te Fresh Water	Strata De _I	oths:	672'				
13) Method to I	Determine Fres	h Water D	epths: 47	7095020320000	Offset well	records. Depths have	been adjusted a	ccording to surface elevations.
14) Approximat	e Saltwater De	epths: 146	63'		100			
15) Approximat	e Coal Seam I	Depths: 78	37'					
16) Approximat	e Depth to Pos	ssible Void	(coal min	e, karst, ot	ther): N	lone Anticipat	ed	
17) Does Propos directly overlyin	sed well locations	on contain to an active	coal seam e mine?	Yes		No	Χ	
(a) If Yes, prov	vide Mine Info	: Name:						
9 (5) (5)		Depth:	*****					
		Seam:						
		Owner:	i i		п.			_
			-					

API NO. 47-095 - 02945

OPERATOR WELL NO. Sapinero Unit 4H
Well Pad Name: Delta Pad

18)

CASING AND TUBING PROGRAM

TYPE	a:	New				INTERVALS:	CEMENT:
	Size (in)	or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	Left in Well	Fill-up
C 1	00"					<u>(ft)</u>	(Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	100'	100' /	CTS, 96 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	722'	722' /	CTS, 752 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	3000'	3000'	CTS, 1221 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P110-ICY	23#	10800'	10800' /	CTS, 1617 Cu. Ft.
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	24"	0.375"	2250	50	Class A/L	~1.18
Fresh Water	13-3/8"	17-1/2"	0.38"	2730	1000	Class A/L	~1.18
Coal Intermediate	9-5/8"	12-1/4"	0.352"	3520	1500	Class A/L	~1.18
Production Tubing	5-1/2" 2-3/8"	8-3/4" & 8-1/2" 4.778"	0.415" 0.19"	14,360 11,200	2500	Class G/H	~1.8
Liners							

PACKERS

Kind:	N/A	
Sizes:	N/A	
Depths Set:	N/A	

WW-6B (10/14) 4709502945

API NO. 47- 095

OPERATOR WELL NO. Sapinero Unit 4H Well Pad Name: Delta Pad

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill a new horizontal shallow well into the Marcellus Shale.

*Antero will be air drilling the fresh water string which makes it difficult to determine when fresh water is encountered. Therefore, we have built in a buffer for the casing setting depth which helps to ensure that all fresh water zones are covered.

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): 46.20 acres

22) Area to be disturbed for well pad only, less access road (acres): 13.43 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 to surface.

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.

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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

Environmental Protection Production: Tail cement- Class G/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.

*Note: Attach additional sheets as needed.

June 19, 2025

West Virginia Office of Oil and Gas Attn: Taylor Brewer 601 57th St SE

Charleston, WV 25304

RE: Request for Variance – Class L Cement Parks Unit 1H – 3H, Sapinero Unit 1H-4H Tyler County, WV

Mr. Brewer:

Pursuant to 35CSR8 Section 9.2.h.8, Antero Resources Corporation ("Antero") would like to implement the variance to allow Class L Cement in place of Class A cement relating to the construction of the following horizontal wells (Parks Unit 1H-3H, Sapinero Unit 1H-4H)) on the Delta pad.

Antero only plans to use this method if Class A cement is not available to be use due to supply issues. Please see Order No 2022-14 attached.

If you have any questions or need further information, please feel free to contact Mallory Turco, Permitting Manager, at (303) 357-7182 or email at mturco@anteroresources.com.

Sincerely,

S gyn

Stefan Gaspar Permitting Agent Antero Resources Corporation Office of Oil and Gas

JUN 25 2025

WV Department of Environmental Protection



west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, SE Charleston, WV 25304 Phone (304) 926-0450 Harold D. Ward, Cabinet Secretary dep.wv.gov

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

IN THE MATTER OF A VARIANCE FROM)		
LEGISLATIVE RULE 35CSR4)	ORDER NO.	2022-14
SECTION 11.5 AND LEGISLATIVE RULE)		
35CSR8 SECTION 9.2.h.8.,)		
RELATING TO THE CEMENTING)		
OF OIL AND GAS WELLS)		

REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental

Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute

(API) Class L cement to be used in place of API Class A cement for well construction.

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FINDINGS OF FACT

- On July 14, 2022, Northeast Natural Energy (NNE) submitted a variance request from Legislative Rule 35CSR8 Section 9.2.h.8., for the use of API Class L cement in place of API Class A cement, relating to the construction of horizontal wells.
- Laboratory analysis submitted by NNE on July 14, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
- 3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR4 Section 11.5., for the use of API Class L cement in place of API Class A cement, relating to the construction of vertical wells.

4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

ORDER

It is ordered that the Class L cement product approved and monogramed by API is approved for use in place of API Class A cement for well construction subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

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Dated this, the 13th day of September, 2022.

JUN **2** 5 2025 WV Department of Environmental Protection

IN THE NAME OF THE STATE OF WEST VIRGINIA

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

James Martin, Chief Office of Oil and Gas

API Number 47 - 095

Operator's Well No. Sapinero 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 Porter Falls 7.5'	
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes	No No
Will a pit be used? Yes No	
If so, please describe anticipated pit waste:No pit will be used at this site (Drilling and Flowback Fluids will be stored in tanks. Cuttings	will be tanked and hauled off site.)
Will a synthetic liner be used in the pit? Yes No If so, what ml.? N/A	
Proposed Disposal Method For Treated Pit Wastes:	
WV0109410	ill Permit #SWF-1032-98) fill Permit #SWF-1025/ adfill (Permit #SWF-1021)
Surface - A	sir/Freshwater, Intermediate -
This, itestiwater, on based, etc.	Office of Oil
-If oil based, what type? Synthetic, petroleum, etc. Synthetic	and Ga-
Additives to be used in drilling medium? Please See Attachment Prill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Drill cuttings stored in tanks, removed -If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A	JUN 2 5 2025
Orill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Drill cuttings stored in tanks, removed	d offsite and taken to landfill.
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A	Protection
-Landfill or offsite name/permit number? Meadowfill Landfill (Permit #SWF-1032-98), Northwestern Landfill (Permit #SWF-1021) Wetzel County Landfill (Permit #SWF-1021)	
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associate West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permit where it was properly disposed.	ed waste rejected at any ttee shall also disclose
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POInt August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protect rovisions of the permit are enforceable by law. Violations of any term or condition of the general permanent or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information form and all attachments thereto and that, based on my inquiry of those individuals imbatining the information, I believe that the information is true, accurate, and complete. I am aware enalties for submitting false information, including the possibility of fine or imprisonment. Company Official Signature Gretchen Kohler Company Official Title Director Environmental & Regulatory Compliance	ction. I understand that the mit and/or other applicable ormation submitted on this applicately responsible for
ubscribed and sworn before me this day of John , 20 25	STEFAN GASPAR
ubscribed and sworn before me this 24 day of June, 2025 Stefan Gaspar Notary Publice My commission expires November 15, 2026	NOTARY PUBLIC STATE OF COLORADO

Proposed Revegetation Treatment: A	cres Disturbed 46.20 a	cres Prevegetation	pН
Lime <u>2-4</u> Tor	ns/acre or to correct to pH		
Fertilizer type Hay or straw o	r Wood Fiber (will be used	where needed)	
Fertilizer amount_500	16	s/acre	
Mulch 2-3	Tons/a		
Access I	Road "A" (21.14 acres) + Well Pad (3.43 acres) + Excess/Topsoil Material Stockpile = 46.20 acres	es (11.63 acres)
Temporary		Peri	nanent
Seed Type lb	s/acre	Seed Type	lbs/acre
Annual Ryegrass	40	Crownvetch	10-15
Field Bromegrass	40	Tall Fescue	30
See attached Table IV-3 for additional seed t	type (Delta Pad Design)	See attached Table IV-4A for addition	onal seed type (Delta Pad Design
	., ,		., .
*or type of grass seed requested Attach: Maps(s) of road, location, pit and proporovided). If water from the pit will be acreage, of the land application area.	I by surface owner	*or type of grass seed req	uested by surface owner uding this info have been nd dimensions (L x W), and
*or type of grass seed requested Attach: Maps(s) of road, location, pit and proporovided). If water from the pit will be	bosed area for land applice land applied, include dir	*or type of grass seed req	uested by surface owner uding this info have been nd dimensions (L x W), and
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911 Address: 11148 Wetzel Tyler Ridge Rd., Middlebourne, WV 26149

Well Site Safety Plan Antero Resources

Well Name: Delta Unit 5V, Sapinero Unit 1H - 4H,

Parks Unit 1H - 3H

Location: Delta Pad

Tyler County/Ellsworth District

Office of Oil and Gas

JUN 25 2025

WV Department of Environmental Protection

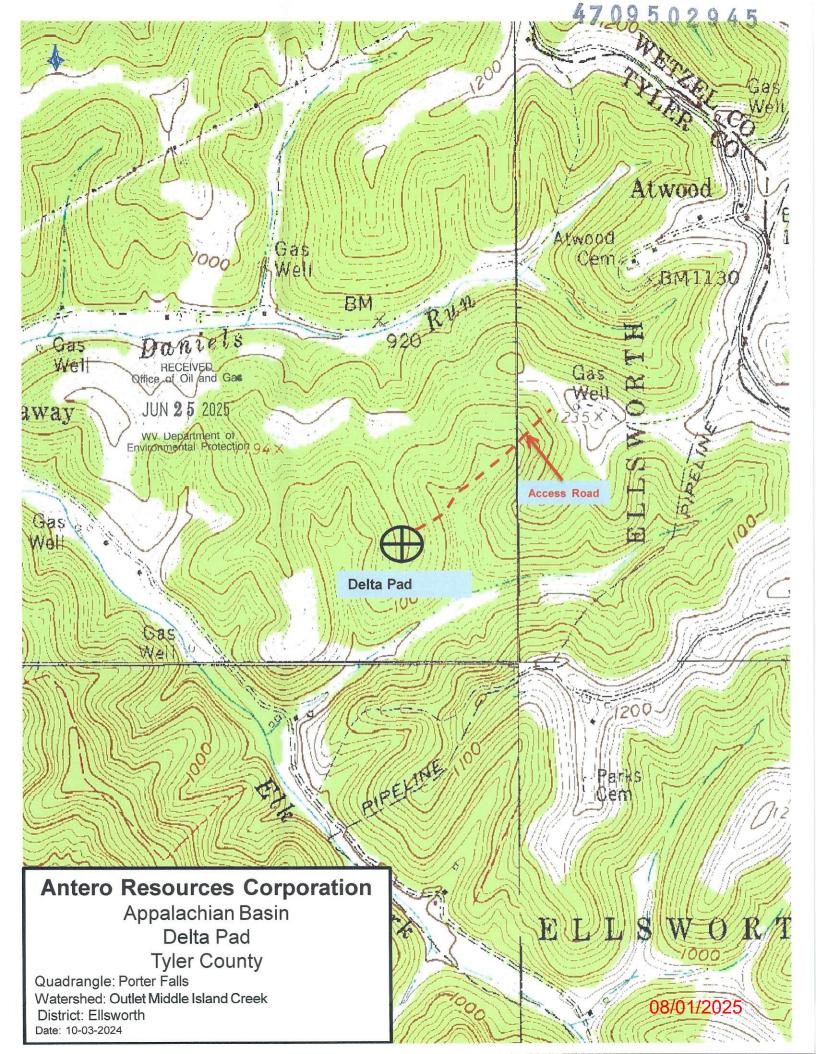
GPS Coordinates:

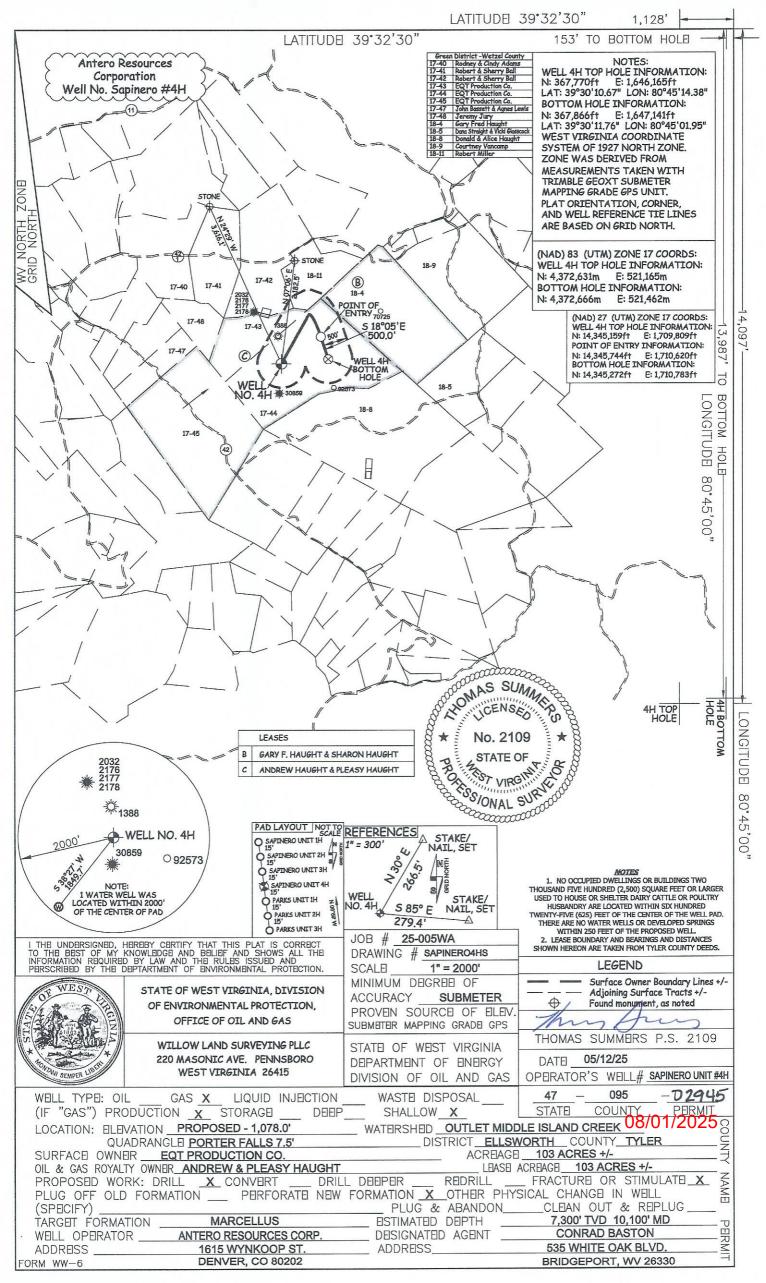
Entrance - Lat 39.508337 /Long -80.741776 (NAD83)
Pad Center - Lat 39.503252 /Long -80.753905 (NAD83)

Driving Directions:

- 1. From WV-2, turn onto WV-7 and continue for 2.75 miles.
- 2. Turn right onto WV-20 and travel for 9.5 miles.
- 3. Turn right onto CO. 46 (8 Mile Road) and continue for 4.5 miles.
- 4. Turn left onto CO. 44 (Wetzel-Tyler Ridge Rd) and travel for 1.9 miles.

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





Operator's Well No. Sapinero Unit 4H

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	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Dovolto	D1-/D
C: Andrew Haught & Pleasy		Grantee, Lessee, etc.	Royalty	Book/Page
	Haught Lease			
	Andrew Haught & Pleasy Haught E.H. Jennings & Bros. Tri-State Gas Company The Manufacturers Light & Heat Company Hundred Gas Company Carl D. Perkins Perkins Oil & Gas Stone Energy Corporation EQT Production Company	E.H. Jennings & Bros. Tri-State Gas Company The Manufacturers Light & Heat Company Hundred Gas Company Carl D. Perkins Perkins Oil & Gas Stone Energy Corporation EQT Production Company Antero Resources Corporation	1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment	0039/0292 0043/0110 0080/0048 0167/0423 0201/0316 0225/0574 0390/0066 0556/0132 0322/0216
*Co-tenancy utilization — Antero is utilizing	horizontal well unitization application with the West Virginia $lpha$ l and $Acknowledgemet$	produce and market eed with the development of certain royalty owners' interests in this Gas Conservation Commission that seeks to pool certain owners in the nt of Possible Permitting/Approval to the Office of Oil and Cas	tract.	MECEIVED of Oil and Gas UN 25 2025 Upepartment of Immental Protection

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

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 Reso	urçes Corporation
By:	Tim Rady	Con Vede
Its:	Senior Vice F	President of Land

June 4, 2025

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

RE: Sapinero Unit 4H

Quadrangle: Porter Falls 7.5'

Tyler County/Ellsworth District, West Virginia

Office RECEIVED of Oil and Gas

JUN 25 2025

Environmental Protection

Mr. Martin:

Antero Resources Corporation (Antero) is submitting the following application for a new well work permit for the Sapinero Unit 4H 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 Sapinero Unit 4H horizontal lateral will drill through including any and all roads crossed under as identified on the attached survey plat.

Sincerely,

Tyler Skavdahl

Staff Landman

WW-PN (11-18-2015)

Horizontal Natural Gas Well Work Permit Application Notice By Publication

Notice is hereby given:

Paper: Tyler Star News

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.

	/		
Public Notice Date: <u>5/14/2025 - 5/21/2025</u>			
The following applicant intends to apply for a surface excluding pipelines, gathering lines and any thirty day period.			
Applicant: Antero Resources Corporation		Well Num	ber: Sapinero Unit 4H
Address: 1615 Wynkoop St. Denver, CO 8020)2		
Business Conducted: Natural gas production	ı.		JUN 25 2025
Location –			Tyler Nov Department of Tyler Porter Falls 7.5
State: West Virginia		County:	Tyler Protection
District: Ellsworth		Quadrangle:	Porter Falls 7.5
UTM Coordinate NAD83 Northing:	4372631.28m	/	
UTM coordinate NAD83 Easting:	521165.30m	1	
Watershed: Outlet Middle Island Creek			

Coordinate Conversion:

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 <u>DEP.comments@wv.gov</u>.

Submitting Comments:

Comments may be submitted online at https://apps.dep.wv.gov/oog/comments/comments.cfm, or by letter to Permit 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.

Date of Notice Certification: 06/23/2025

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

API No. 47- 095

	-	Or	erator's	Well No. Sapin	ero Unit 4H
				Name: Delta Pa	
Notice has b	een given:				
	e provisions in West Virginia Code §	§ 22-6A, the Operator has provide	ed the req	uired parties w	ith the Notice Forms listed
below for the	tract of land as follows:				
State:	West Virginia		sting:	521165m	
County:	Tyler	No.	orthing:	4372631m	
District:	Ellsworth	Public Road Access:	:	CR 44	
Quadrangle:	Porter Falls 7.5'	Generally used farm	name:	EQT Production (Co.
Watershed:	Outlet Middle Island Creek				
it has provide information re of giving the requirements Virginia Code	the secretary, shall be verified and sign the owners of the surface described equired by subsections (b) and (c), segment to surface owner notice of entry to surface owner notice of entry to surface of subsection (b), section sixteen on the \$22-6A-11(b), the applicant shall thave been completed by the applicant	bed in subdivisions (1), (2) and action sixteen of this article; (ii) the arrivey pursuant to subsection (a), if this article were waived in write ender proof of and certify to the sixteen articles.	(4), substant the received section to iting by	section (b), sec quirement was ten of this artic the surface ow	etion ten of this article, the deemed satisfied as a resul- cle six-a; or (iii) the notice wher; and Pursuant to Wes
	West Virginia Code § 22-6A, the Op		Notice C	ertification	
that the Ope	rator has properly served the require	d parties with the following:			OOG OFFICE HOF
*PLEASE CHE	ECK ALL THAT APPLY				OOG OFFICE USE ONLY
☐ 1. NO	TICE OF SEISMIC ACTIVITY or	NOTICE NOT REQUIRED	D BECAU	JSE NO	☐ RECEIVED/
		SEISMIC ACTIVITY WAS C	ONDUC'	TED	NOT REQUIRED
☐ 2. NO	TICE OF ENTRY FOR PLAT SURV	VEY or NO PLAT SURVEY	WAS CO	ONDUCTED	RECEIVED
■ 3 NO	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIRE	RECAL	ISF	☐ RECEIVED/
3. 110	HEE OF HATELAN TO DIGEE	NOTICE OF ENTRY FOR PLA			
		WAS CONDUCTED or	ATSUK	VEY	NOT REQUIRED
		☐ WRITTEN WAIVER BY	SURFA	CE OWNER	
		(PLEASE ATTACH)		1000000 PACO 0000 (0000000000000000000000000000000	
■ 4 NO	TICE OF PLANNED OPERATION	Office of	CEIVED Oil and		□ RECEIVED
		5/	Oil and	Gas	
■ 5. PUE	BLIC NOTICE	JUN 2	5 200		☐ RECEIVED
■ 6. NO	TICE OF APPLICATION	WV Depa Environmenta	rtment ot Protection	On.	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.

Certification of Notice is hereby given:

THEREFORE, I	ORE, 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 C	Certification and all attachments, and	that bas	sed on my ir	equiry of those individuals immediately responsible for
obtaining the inf	formation, I believe that the information	is true,	accurate and	complete. I am aware that there are significant penalties
for submitting fa	alse information, including the possibilit	y of fine	and impriso	nment.
Well Operator:	Antero Resources Corporation		Address:	1615 Wynkoop Street
By:	Jon McEvers Jou /// Su	ser		Denver, CO 80202
Its:	SVP of Operations		Facsimile:	303-357-7315
Telephone:	303-357-7310		Email:	sgaspar@anteroresources.com
Second Control of the	NOTARY SEAL STEFAN GASPAR	Subscri	ibed and swo	rn before me this 24 day of June, 2025.
8	NOTARY PUBLIC STATE OF COLORADO		Sleta	n Gaspar Notary Public
MY COM	NOTARY ID 20224043669 MMISSION EXPIRES NOVEMBER 15, 2026	Му Со	mmission Ex	pires November 15, 7076

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.

WW-6A (9-13)

4709502945 API NO. 47-095

OPERATOR WELL NO. Sapinero Unit 4H

Well Pad Name: Delta Pad

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

Not	ice Time Requiren	nent: notice shall be provi	ded no later i	than the filing date of permit application.	
Date		5 Date Permit Applica			
V	PERMIT FOR AN	- centini		PPROVAL FOR THE F AN IMPOUNDMENT OR PIT	
Deli	very method pursi	ant to West Virginia Co	ode § 22-6A-	10(b)	
	PERSONAL SERVICE	REGISTERED MAIL	✓ MET REC	HOD OF DELIVERY THAT REQUIRES A EIPT OR SIGNATURE CONFIRMATION	
seding the storing oil are described operations of the storing of the storing of the storing oil and the storing oil are described oil are	ment control plan requirface of the tract on and gas leasehold being tibed in the erosion a attor or lessee, in the coal seams; (4) The work, if the surface the undment or pit as defended a water well, spring de water for consum used well work activitation (b) of this sect disconditional of the sheriff requision of this article to R. § 35-8-5.7.a requirement of the traction of the same traction of the sam	which the well is or is pro- ug developed by the propose and sediment control plan servent the tract of land on we owners of record of the surfact is to be used for the planseribed in section nine of the or water supply source local ption by humans or domest ty is to take place. (c)(1) If ion hold interests in the land ired to be maintained pursu the contrary, notice to a lical rices, in part, that the opera	unres a receip nis article, and posed to be lo ed well work, abmitted purs hich the well rface tract or to acement, consist article; (5) atted within on the canimals; are more than the ds, the application and to section and to section that the desired and the control of the tor shall also	pit as required by this article shall deliver, by personal to r signature confirmation, copies of the application, if the well plat to each of the following persons: (1) The ocated; (2) The owners of record of the surface tract or if the surface tract is to be used for roads or other land uant to subsection (c), section seven of this article; (3) proposed to be drilled is located [sic] is known to be utracts overlying the oil and gas leasehold being develop struction, enlargement, alteration, repair, removal or at Any surface owner or water purveyor who is known to the thousand five hundred feet of the center of the well and (6) The operator of any natural gas storage field with the tentants in common or other co-owners of interests and may serve the documents required upon the personal eight, article one, chapter eleven-a of this code. (2) Not notice to a landowner, unless the lien holder is the laprovide the Well Site Safety Plan ("WSSP") to the surges as provided in section 15 of this rule.	the erosion and erowners of record of tracts overlying the disturbance as The coal owner, underlain by one or ped by the proposed andonment of any to the applicant to pad which is used to him which the described in described in the fotwithstanding any andowner. W. Va. face owner and any
☑ A _l	oplication Notice	☑ WSSP Notice ☑ E&S	S Plan Notic	e Well Plat Notice is hereby provided to:	Office RECEIVED OF OIL and C
Name Addre	RFACE OWNER(s E: EQT Production Co. ESS: PO Box 6135 rgh, PA 15222)		© Well Plat Notice is hereby provided to: □ COAL OWNER OR LESSEE Name: NO DECLARATIONS ON RECORD WITH COUNTY Address: □ COAL OPERATOR	JUN 25 2025
Name Addre	::			COAL OPERATOR Name: NO DECLARATIONS ON RECORD WITH COUNTY Address:	
Name Addre	: PLEASE SEE ATTACH			SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s) Name: NONE WITHIN 1500'	_
Name Addre	:			Address:	
] SUI Vame	RFACE OWNER(s)	(Impoundments or Pits)		OPERATOR OF ANY NATURAL GAS STORName: Address:	
ruui C				*Please attach additional forms if necessary	

4709502945 WW-6A

OPERATOR WELL NO. Sapinero Unit 4H

Well Pad Name: Delta Pad

Notice is hereby given:

(8-13)

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 Departing of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) www.gov/oil-and-gas/pages/default.aspx.

www. Department of the first feet measured horizontally from any existing and-gas/pages/default.aspx.

Well Location Restrictions

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 08/06/2025 is

WW-6A (8-13)

OPERATOR WELL NO. Sapinero Unit 4H

Well Pad Name: Delta 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 Virginia comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief. Office of Oil and Gas

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

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) 4709502945

API NO. 47- 095

OPERATOR WELL NO. Sapinero Unit 4H

Well Pad Name: Delta 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.



WW-6A (8-13) 4709502945 API NO. 47-095

OPERATOR WELL NO. Sapinero Unit 4H
Well Pad Name: Delta Pad
S: 1615 Wynkoop Street
Denver, CO 80202
ile: 303-357-7315

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.

STEFAN GASPAR
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20224043669
MY COMMISSION EXPIRES NOVEMBER 15, 2026

Subscribed and sworn before me this 24 day of Ine, 2015.

5 Letter Gaspar Notary Public

My Commission Expires November 15, 2026

Office RECEIVED of Oil and Gas

JUN 25 2025

Environmental Protection

WW-6A4 (1/12)

Operator Well No. Sapinero Unit 4H

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.

Notice Time Date of Notic	Requirement: Notice shall be provided at lease: 09/16/2024 Date Permit	st TEN (10) days prior to filing a Application Filed: 06/24/2025	permit applicationOffice AFCE		
Delivery met	Requirement: Notice shall be provided at lease: Op/16/2024 Date Permit hod pursuant to West Virginia Code § 22-6. CERTIFIED MAIL RETURN RECEIPT REQUE V. Va. Code § 22-6A-16(b), at least ten days putted or hand delivery gives the curfer.	A-16(b)	Solved of Solved		
☐ HAND	■ CERTIFIED MAIL		Oronnopp. 2025		
DELIVE	RY RETURN RECEIPT REQUE	STED	Entel Non		
2221,2	TETOTA TEEQUE	SILD	Prote Or		
drilling a hori of this subsec subsection ma	V. Va. Code § 22-6A-16(b), at least ten days posted or hand delivery, give the surface owner notice and surface owner notice and surface owner notice as of the date the notice was provided to the day be waived in writing by the surface owner. Ite, facsimile number and electronic mail address.	suant to subsection (a), section to the surface owner: <i>Provided, how</i> . The notice, if required, shall incl	he surface owner's land for the purpose of en of this article satisfies the requirements wever, That the notice requirements of this lude the name, address, telephone number.		
Notice is he	reby provided to the SURFACE OWNE	CR(s):			
Name: EQT Pro	duction Company	13.15.1			
Address: P.O.		Address:			
Pittsburgh, PA 15	222				
Pursuant to W the surface ov State: County:	UTM NAD 83				
District:	Ellsowrth	Public Road Access:	4372627m CR 44		
Quadrangle:	Porters Falls 7.5'	Generally used farm name:	EQT Production Co.		
Watershed:	Outlet Middle Island Creek				
This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57 th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx .					
Notice is her	reby given by:				
	: Antero Resources Corporation	Authorized Representative:	Stefan Gaspar		
Address:	1615 Wynkoop St.	Address:	1615 Wynkoop St.		
	Denver, CO 80202		Denver, CO 80202		
Telephone:	303-357-7182	Telephone:	303-357-7182		
Email:	sgaspar@anteroresources.com	Email:	sgaspar@anteroresources.com		
Facsimile:	303-357-7315	Facsimile:	303-357-7315		

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.

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

Notice Tim Date of Not	e Requirement: notice shall be provided no la ice: 06/24/2025 Date Permit App	ater than the filing lication Filed: 06	date of permit	application.
Delivery m	ethod pursuant to West Virginia Code § 22-	-6A-16(c)		
	TO LINE COURSE	IAND DELIVERY		
the planned required to be drilling of a damages to to (d) The notion of notice.	Box 6135	e owner whose land section shall included its article to a sur- ter use and compend to the extent the disher surface owner	d will be used for ide: (1) A copy face owner whos sation agreemer amages are com at the address lis	or the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the nt containing an offer of compensation for pensable under article six-b of this chapter.
Notice is he Pursuant to	West Virginia Code § 22-6A-16(c), notice is h	ereby given that t	he undersigned	well operator has developed a planned
operation or State:	the surface owner's land for the purpose of d	Irilling a horizonta	al well on the tra	act of land as follows:
County:	West Virginia Tyler	UTM NAD	83 Easting:	521165m
District:	Ellsworth	D.J.E. D 1	Northing:	4372631m
Quadrangle:		Public Road		CR 44
Watershed:	Outlet Middle Island Creek	. Generally us	ed farm name:	EQT Production Co.
Pursuant to Veto be provided to be p	Shall Include: West Virginia Code § 22-6A-16(c), this notice ed by W. Va. Code § 22-6A-10(b) to a surfell; and (3) A proposed surface use and competed by oil and gas operations to the extent the related to horizontal drilling may be obtained, located at 601 57 th Street, SE, Charlestefault.aspx.	face owner whose pensation agreement the damages are conditionally defrom the Secret	e land will be unt containing and compensable und tary at the WV	ased in conjunction with the drilling of a offer of compensation for damages to the er article six-b of this chapter. Additional Department of Environmental Protection
Well Operator	Or: Antero Resources Corporation	Address:	1615 Wynkoop Stree	et
Telephone:	(303) 357-7310		Denver, CO 80202	
Email:	sgaspar@anteroresources.com	Facsimile:	303-357-7315	

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.



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

1900 Kanawha Boulevard East • Building Five • Room 109 Michael J. DeMers Charleston, West Virginia 25305-0440 • (304) 558-0444 Deputy Secretary of Transportation

Stephen T. Rumbaugh, P.E. Secretary of Transportation Commissioner of Highways

May 14, 2025

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 Delta Well Pad, Tyler County

Sapinero Unit 1H Well Site Sapinero Unit 2H Well Site Sapinero Unit 3H Well Site Sapinero Unit 4H Well Site

Environmental Protection Parks Unit 1H Well Site Parks Unit 2H Well Site Parks Unit 3H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2024-1569 which has been issued to Antero Resources Corporation for access to the State Road for a well site located off Tyler County Route 44 SLS MP 2.58.

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.

Very Truly Yours,

Lacy D. Pratt

Lacy D. Pratt

Central Office O&G Coordinator

Cc: Stefan Gaspar

Antero Resources Corporation

OM, D-6

File

Subdivision 3.3.e A listing of the anticipated additives that may be used in the water used for fracturing or stimulating the well. (A listing of the additives that were actually used in the fracturing or stimulating of the well shall be submitted as part of the completion report required by W. Va. Code 22-6-22.)

FRACTURING/STIMULATING INTERVAL

	Additive	Chamical Abetuart Camina Number 1945 III
1.	Fresh Water	Chemical Abstract Service Number (CAS #) 7732-18-5
2.	2 Phosphobutane 1,2,4 tricarboxylic acid	
3.	Ammonium Persulfate	37971-36-1
4.	Anionic copolymer	7727-54-0
5.	Anionic polymer	Proprietary
6.	BTEX Free Hydrotreated Heavy Naphtha	Proprietary
7.	Cellulase enzyme	64742-48-9
8.	Demulsifier Base	(Proprietary)
9.	Ethoxylated alcohol blend	(Proprietary)
	Ethoxylated Nonylphenol	Mixture 68412-54-4
	Ethoxylated oleylamine	26635-93-8
	Ethylene Glycol	107-21-1
	. Glycol Ethers	111-76-2
	. Guar gum	9000-30-0
15.	Hydrogen Chloride	7647-01-0
16.	Hydrotreated light distillates, non-aromatic, BTEX free	64742-47-8
	Isopropyl alcohol	67-63-0
18.	Liquid, 2,2-dibromo-3- nitrilopropionamide	10222-01-2
	Microparticle	Proprietary
20.	Petroleum Distillates (BTEX Below Detect)	64742-47-8
	Polyacrylamide	57-55-6
22.	Propargyl Alcohol	107-19-7
23.	Propylene Glycol	57-55-6
24.	Quartz	14808-60-7
	Sillica crystalline quartz	7631-86-9
26.	Sodium Chloride	7647-14-5
27.	Sodium Hydroxide	1310-73-2
28.	Sugar	57-50-1
	Surfactant	68439-51-0
	Suspending agent (solid)	14808-60-7
	Tar bases, quinolone derivs, benzyl chloride-quarternized	72480-70-7
	Solvent Naptha, petroleum, heavy aliph	64742-96-7
	Soybean Oil, Me ester	67784-80-9
	Copolymer of Maleic and Acrylic Acid	52255-49-9
	DETA Phosphonate	15827-60-8
	Hexamythylene Triamine Penta	34690-00-1
	Phosphino Carboxylic acid polymer	71050-62-9
	Hexamethylene diamine penta	23605-74-5
	2-Propenoic acid, polymer with 2 propenamide	9003-06-9
	Hexamethylene diamine penta (methylene phosphonic ac	id) 23605-74-5
	Diethylene Glycol	111-46-6
	Methenamine	100-97-0
	Polyethylene polyamine	68603-67-8
	Coco amine	61791-14-8
45.	2-Propyn-1-olcompound with methyloxirane	38172-91-7

			×
OPERATOR:_	Antero Resources Corporation	WELL NO: Sapinero	Unit 4H
PAD NAME:_	Delta Pad		
REVIEWED B	SY: Stefan Gaspar	SIGNATURE:	gen
			0 /
	WELL RESTRICTIO	NS CHECKLIST	0.
	HORIZONTAL	6A WELL	Office RECEIVED JUN 25 2025 Environmentaliment
			UN 25 and Gar
Well Restric	etions		Environmental Protection Feature) to any
√	At Least 100 Feet from Pad and LOD (inc Perennial Stream, Lake, Pond, Reservoir	cluding any E&S Control I or Wetland; OR	Feature) to any
	DEP Waiver and Permit Condition	ıs	
√	At Least 300 Feet from Pad and LOD (inc Naturally Producing Trout Stream; OR	cluding any E&S Control l	Feature) to any
[DEP Waiver and Permit Condition	ıs	
	At Least 1000 Feet from Pad and LOD (in Groundwater Intake or Public Water Supp	ncluding any E&S Control oly; OR	Feature) to any
[DEP Waiver and Permit Condition	ns	
	At Least 250 Feet from an Existing Water Drilled; OR	Well or Developed Sprin	g to Well Being
	Surface Owner Waiver and Record	ded with County Clerk, Ol	R
	DEP Variance and Permit Condition	ons	
	At Least 625 Feet from an Occupied Dwe	lling Structure to Center o	f the Pad; OR
	Surface Owner Waiver and Record	ded with County Clerk, OI	3
	DEP Variance and Permit Condition	ons	
A de	At Least 625 Feet from Agricultural Build of the Pad; OR	lings Larger than 2500 Sqı	uare Feet to the Center
<u> </u>	Surface Owner Waiver and Record	led with County Clerk, OF	3
	DEP Variance and Permit Condition	one	