

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, December 9, 2024 WELL WORK PERMIT Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET

DENVER, CO 80202

Re:

Permit approval for Eller Unit 5V

47-095-02906-00-00

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) 926-6450

Chief

Operator's Well Number: Eller Unit 5V

Farm Name:

Steven D & Brenda M Higgins

U.S. WELL NUMBER:

47-095-02906-00-00

Horizontal 6A New Drill

Date Issued: 12/9/2024

API Number:	
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PERMIT CONDITIONS 4709502906

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.

CO	ND	ITI	O	NS

- 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		
OPERATOR WELL	NO.	Eller Unit 5V
Well Pad Name:	Eller P	ad

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

1) Well Operator:	Antero Res	sources Cor	poral	4945	07062	095-Tyler	Ellsworth	Porters Falls
					rator ID	County	District	Quadrangle
2) Operator's Wel	l Number: El	ler Unit 5V			_ Well Pad	Name: Eller F	Pad	
3) Farm Name/Sur	rface Owner:	Steven D. & Bre	nda M. I	Higgins	Public Roa	d Access: Vete	erans Hwy	II.
4) Elevation, curre	ent ground:	1274'	_ Ele	evation	n, proposed	post-construction	on: 1254'	
, , , , ,) Gas X	0	il		Unde	erground Storag	е	
	ther	500 Section 1						
(b	,	allow X			Deep			
		rizontal X			_			
6) Existing Pad: Y		V 10- 0 0000						
 Proposed Targe Marcellus Shale 				•		•		
8) Proposed Total	Vertical Dept	th: 7100' T	VD					
9) Formation at To	otal Vertical I	Depth: Mar	cellus					
10) Proposed Tota	l Measured D	epth: 710	O' MD					
11) Proposed Hori	zontal Leg Le	ength: 0'						
12) Approximate I	Fresh Water S	strata Depths	:	550'				
13) Method to Det	ermine Fresh	Water Depti	ns: V	Vest V	'irginia Wat	er Resources I	Managem	ent Plan
14) Approximate S	Saltwater Dep	ths: 1725'						
15) Approximate (Coal Seam De	epths: 1117	'					
16) Approximate I	Depth to Poss	ible Void (co	al mi	ne, kar	rst, other):	None Anticipat	ed	
17) Does Proposed directly overlying					Yes	No	X	
(a) If Yes, provide	le Mine Info:	Name:						
		Depth:						
		Seam:						
		Owner:						

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WW-6B
(04/15)

API NO. 47095		
OPERATOR WELL	NO.	Eller Unit 5V
Well Pad Name:	Eller P	ad

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	H-40	94#	100'	100'	CTS, 96 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	600'	600,	CTS, 625 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	1117'	1117'	CTS, 455 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P-110	23#	7100'	7100'	861 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"	0.438"	1530	50	Class A	
Fresh Water	13-3/8"	17-1/2"	0.38"	2730	1000	Class A	~1.18
Coal	9-5/8"	12-1/4"	0.352"	3520	1500	Class A	~1.18
Intermediate							
Production	5-1/2"	8-3/4" & 8-1/2"	0.415"	12,630	2500	Lead-H/POZ & Tail - H	H/POZ-1.44 & H-1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

PACKERS

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

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12/13/2024

OPERATOR WELL NO. Eller Unit 5V Well Pad Name: Eller Pad

19) Describe	proposed well work, inclu	ading the drilling and plugging b	oack of any pilot hole:	
Drill, perforat	e, fracture a new shallo	ow well and complete Marcell	us Shale.	

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): 30.15 acres
- 22) Area to be disturbed for well pad only, less access road (acres): 18.51 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 cement.

Surface: Class A cement with 2-3% calcium chloride and 1/4 lb of flake Intermediate: Class A 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 conductor shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate pip 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.

4709502906

LEGEND

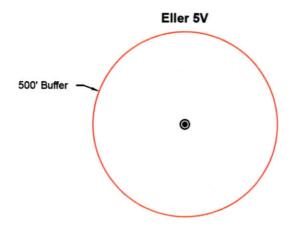
Proposed gas well

* Existing Well, as noted

Digitized Well, as noted



The orientation of this survey is Grid North, and its coordinate base is the West Virginia Coordinate System of 1927, North Zone



172 Thompson Drive

Bridgeport, WV 26330

RECEIVED
Office of Oil and Gas

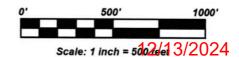
NOV 06 2024

WV Department of Environmental Protection

Fax: (304) 848-5037 PARTY CHIEF: C. Lynch DRAWN BY: D. Rader RESEARCH: J. Miller PREPARED: October 28, 2024 SURVEYED Dec. 2016 PROJECT NO: 272-34-M-24 FIELD CREW: C.L., K.M. Sheet 1 of 1 DRAWING NO: Eller 5V AOR

Bridgeport Office

Phone: (304) 848-5035





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.,	n
RELATING TO THE CEMENTING	RECEIVED Office of Oil and Gas
OF OIL AND GAS WELLS	Office of On and
, and the second	NOV 06 2024
	WV Department of Environmental Protection
	Environmenta

REPORT OF THE OFFICE

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

FINDINGS OF FACT

- 1. 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.

Promoting a healthy environment

 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.

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

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

NOV 06 2024

Environmenta



Antero Resources

Fax 303.357.7315

1615 Wynkoop Street Denver, CO 80202 Office 303.357.7310

November 4th, 2024

West Virginia Office of Oil and Gas Attn: Taylor Brewer 601 57th St SE Charleston, WV 25304

RE: Request for Variance – Class L Cement Eller Unit 5V 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 well (Eller Unit 5V) on the Eller 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,

Carly Marvel Permitting Agent

Antero Resources Corporation

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Office of Oil and Gas

NOV 06 2024

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API Number 47 - 095 - Operator's Well No. Eller Unit 5V

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
Of Code Interest
- Caramagna - Cara
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No No
If so, please describe anticipated pit waste: No pit will be used at this site (Orilling and Flowback Fluids will be stored in tanks. Cuttings will be tanked and hauled off site.)
Will a synthetic liner be used in the pit? Yes No If so, what ml.? N/A Proposed Disposal Method For Treated Pit Wastes:
Land Application Underground Injection (UIC Permit Number *UIC Permit # will be provided on Form WR-34)
Reuse (at API Number_Future permitted well locations when applicable. API# will be provided on Form WR-34
Off Site Disposal (Supply form WW-9 for disposal location(Meadowfill Landfill Permit #SWF-1032-98) Other (Explain Northwestern Landfill Permit #SWF-1025/
WV0109410
Wetzel Co Landfill Permit #SWF-1021 Will closed loop system be used? If so, describe: Yes, fluids stored in tanks, cuttings removed offsite and taken to landfill.
Surface - Air Freshwater Intermediate -
All, heshwater, on based, etc.
-If oil based, what type? Synthetic, petroleum, etc. Synthetic
Additives to be used in drilling medium? Please See Attachment
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Drill cuttings stored in tanks, removed offsite and taken to landfill.
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A
-Landfill or offsite name/permit number? Meadowfill Landfill (Permit #SWF-1032-98), Northwestern Landfill (Permit # SWF-1025/WV0109410)
Wetzel Co Landfill (Permit #SWF-1021) Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any
West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. Company Official Signature Gretchen Kohler Company Official Title Director of Environmental & Regulatory Compliance
Subscribed and sworn before me this 31 day of OCTODER, 20 24
CARALL MALLAND MARRIAL
Notary Public CARLY RAYNE MARVEL
My commission expires Notary Public State of Colorado
Notary ID # 20224038743 My Commission Expires 10-05-2026

		Operator's V	Well No. Eller Unit 5V
Antero Resources Cor	rporation		
Proposed Revegetation Treatmen	nt: Acres Disturbed 30.15	Prevegetation p	н
	_ Tons/acre or to correct to pH		
Fertilizer type Hay or st	traw or Wood Fiber (will be used w	where needed)	
Fertilizer amount 500	lb:	s/acre	
Mulch 2-3	Tons/a	сте	
	Access Road "D" (3.29) + Well Pad (18.5	51) + Excess/Topsoil Material Stockpiles (8.35)=	30.15 Acres
Temp	orary	Perm	anent
Seed Type	lbs/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 type (Eller Pad Design)	See attached Table IV-4A for addition	nal seed type (Eller Pad Design)
*or type of grass seed reque	ested by surface owner	*or type of grass seed requ	ested by surface owner
Attach:		ation (unless engineered plans inclu	

Field Reviewed?

Form WW-9 Additives Attachment

SURFACE INTERVAL

- 1. Fresh Water
- 2. Soap -Foamer AC
- 3. Air

INTERMEDIATE INTERVAL

STIFF FOAM RECIPE:

- 1) 1 ppb Soda Ash / Sodium Carbonate-Alkalinity Control Agent
- 2) 1 ppb Conqor 404 (11.76 ppg) / Corrosion Inhibitor
- 3) 4 ppb KLA-Gard (9.17 ppg) / Amine Acid Complex-Shale Stabilizer
- 4) 1ppb Mil Pac R / Sodium Carboxymethylcellulose-Filtration Control Agent
- 5) 12 ppb KCL / Potassium Chloride-inorganic Salt
- 6) Fresh Water 80 bbls
- 7) Air

PRODUCTION INTERVAL

1. Alpha 1655

Salt Inhibitor

2. Mil-Carb

Calcium Carbonate

3. Cottonseed Hulls

Cellulose-Cottonseed Pellets - LCM

4. Mil-Seal

Vegetable, Cotton & Cellulose-Based Fiber Blend - LCM

5. Clay-Trol

Amine Acid Complex - Shale Stabilizer

6. Xan-Plex

Viscosifier For Water Based Muds

7. Mil-Pac (All Grades)

Sodium Carboxymethylcellulose - Filtration Control Agent

8. New Drill

Anionic Polyacrylamide Copolymer Emulsion - Shale Stabilizer

9. Caustic Soda

Sodium Hydroxide - Alkalinity Control

10. Mil-Lime

Calcium Hydroxide – Lime

11. LD-9

Polyether Polyol – Drilling Fluid Defoamer

12. Mil Mica

Hydro-Biotite Mica – LCM



80 VON

Environmen

13. Escaid 110

Drilling Fluild Solvent – Aliphatic Hydrocarbon

14. Ligco

Highly Oxidized Leonardite - Filteration Control Agent

15. Super Sweep

Polypropylene - Hole Cleaning Agent

16. Sulfatrol K

Drilling Fluid Additive - Sulfonated Asphalt Residuum

17. Sodium Chloride, Anhydrous

Inorganic Salt

18. D-D

Drilling Detergent - Surfactant

19. Terra-Rate

Organic Surfactant Blend

20. W.O. Defoam

Alcohol-Based Defoamer

21. Perma-Lose HT

Fluid Loss Reducer For Water-Based Muds

22. Xan-Plex D

Polysaccharide Polymer – Drilling Fluid Viscosifier

23. Walnut Shells

Ground Cellulosic Material - Ground Walnut Shells - LCM

24. Mil-Graphite

Natural Graphite - LCM

25. Mil Bar

Barite - Weighting Agent

26. X-Cide 102

Biocide

27. Soda Ash

Sodium Carbonate – Alkalinity Control Agent

28. Clay Trol

Amine Acid complex - Shale Stabilizer

29. Sulfatrol

Sulfonated Asphalt – Shale Control Additive

30. Xanvis

Viscosifier For Water-Based Muds

31. Milstarch

Starch - Fluid Loss Reducer For Water Based Muds

32. Mil-Lube

Drilling Fluid Lubricant

RECEIVED
Office of Oil and Gas
NOV 0 6 2024
WV Department of
Environmental Protection



911 Address 520 Pee Dee Rd New Martinsville, WV 26155

Well Site Safety Plan Antero Resources

Well Name: Eller Unit 5V

Pad Location: ELLER PAD

Tyler County/Ellsworth District

GPS Coordinates:

Entrance - Lat 39.573830/Long -80.890368 (NAD83)

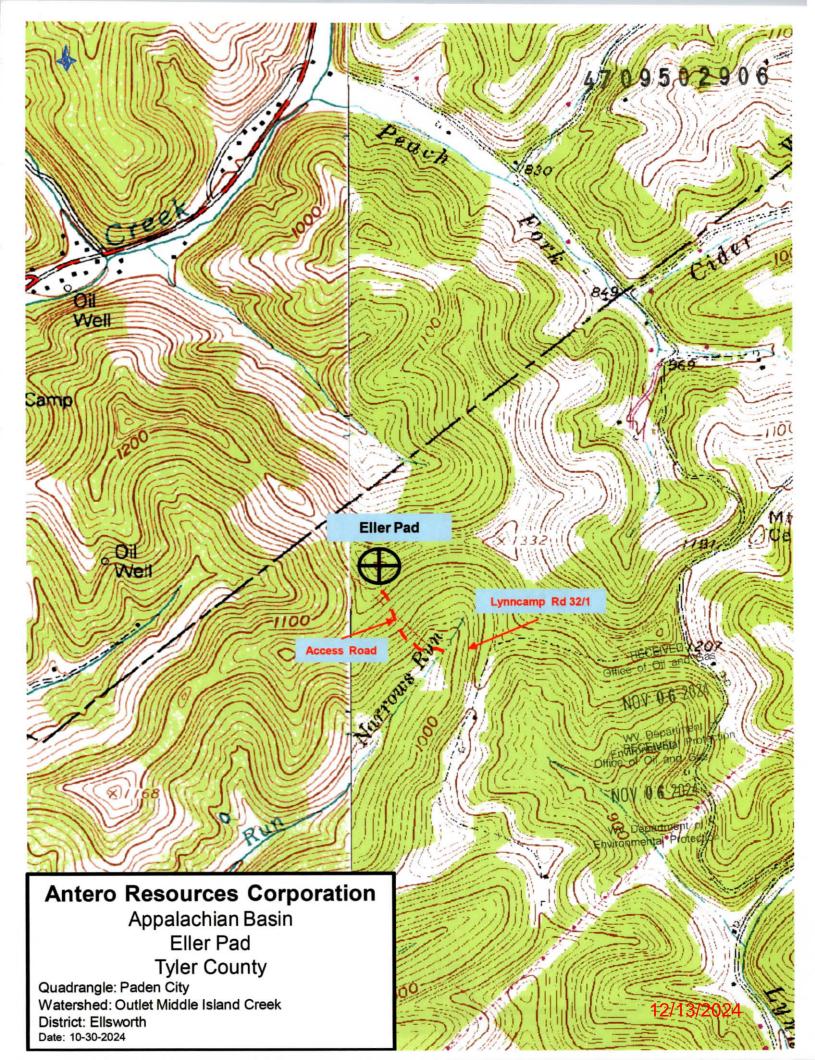
Pad Center - Lat 39.585780/Long -80.873529 (NAD83)

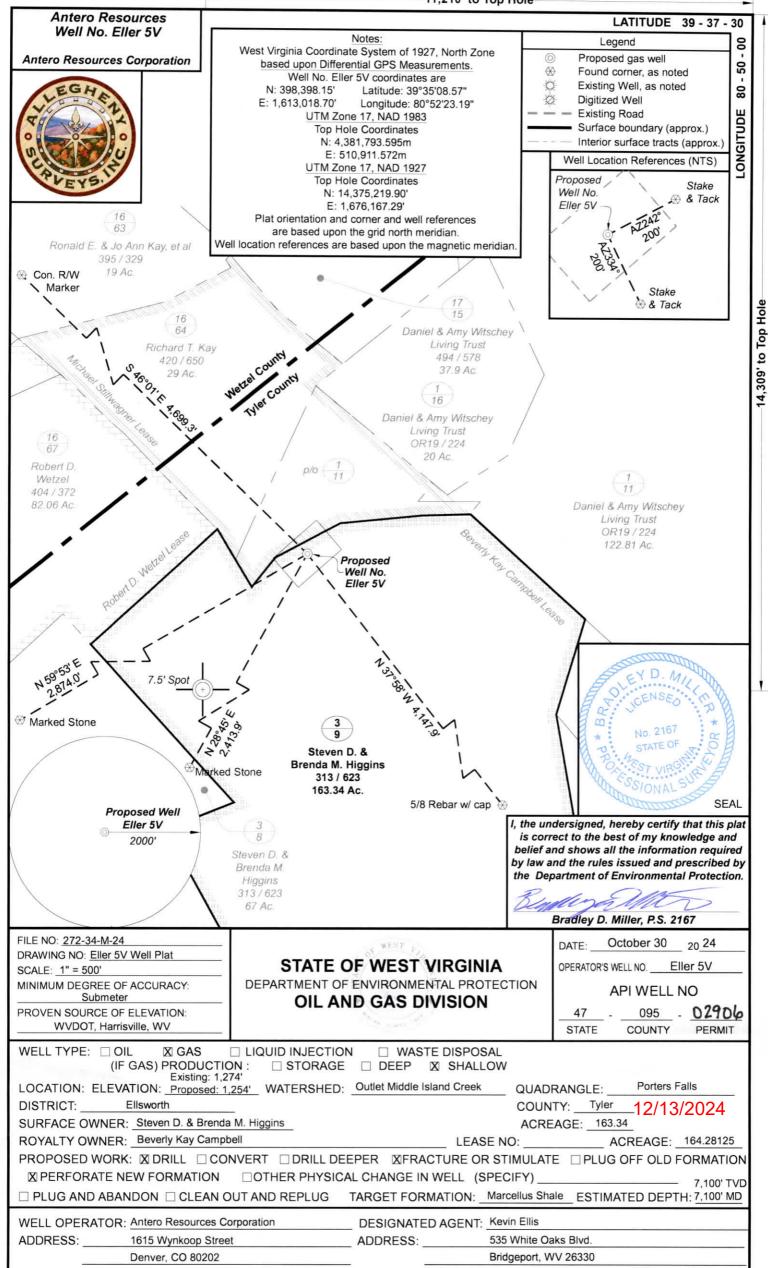
Driving Directions:

From WV-180, turn northeast onto the lease road.

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







WW-6A1 (5/13)

Operator's Well No.	Eller Unit 5V
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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:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Bayanbu Kay Camphall	Autoro Resources Cornoration	1/94	12/572
	Grantor, Lessor, etc. Beverly Kay Campbell		

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

NOV 06 2024

THE STOREGION

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:	Tim Rady		
Its:	Senior Vice President of Land		

Page 1 of _____



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

October 30, 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:

Eller Unit 5V

THOMAS KUHN

Quadrangle: Porters Falls

Tyler County/Ellsworth District, West Virginia

Mr. Martin:

Antero Resources Corporation (Antero) is submitting the following application for a new well work permit for the Eller Unit 5V 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 Eller Unit 5V horizontal lateral will drill through including any and all roads crossed under as identified on the attached survey plat.

Sincerely,

Thomas Kuhn

Staff Landman

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Office of Oil and Gas
NOV 0 6 2024

VVV Department of
Environmental Protection

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

	e Certification: 11/01/2024	API No. 4/- 095	
		Operator's Well No.	Eller Unit 5V
		Well Pad Name:	
Notice has b Pursuant to th	een given: e provisions in West Virginia Co	de § 22-6A, the Operator has provided the required part	ies with the Notice Forms listed
	tract of land as follows:	7 3	
State:	West Virginia	UTM NAD 83 Easting: 510911.57	
County:	Tyler	Public Road Access: Veterans H	
District: Quadrangle:	Elisworth Porters Falls		Brenda M. Higgins
Quadrangie: Watershed:	Outlet Middle Island Creek	Ocherany used failin name.	E DI GILLO III. I III GOLIO
prescribed by it has provide information roof giving the requirements Virginia Code	the secretary, shall be verified an ed the owners of the surface des equired by subsections (b) and (c) surface owner notice of entry to of subsection (b), section sixtee	b), every permit application filed under this section and shall contain the following information: (14) A certification in subdivisions (1), (2) and (4), subsection (b), section sixteen of this article; (ii) that the requirement is survey pursuant to subsection (a), section ten of this in of this article were waived in writing by the surface all tender proof of and certify to the secretary that the nicent.	ication from the operator that (i), section ten of this article, the was deemed satisfied as a result article six-a; or (iii) the notice owner; and Pursuant to Wes
Purcuant to		Operator has attached proof to this Notice Certificatio	n
that the Ope	rator has properly served the requeck ALL THAT APPLY	uired parties with the following:	OOG OFFICE USE ONLY
*PLEASE CHI	ECK ALL THAT APPLY	or NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	OOG OFFICE USE
that the Ope *PLEASE CHI I. NO	ECK ALL THAT APPLY FICE OF SEISMIC ACTIVITY	of NOTICE NOT REQUIRED BECAUSE NO	OOG OFFICE USE ONLY RECEIVED/ NOT REQUIRED
*PLEASE CHI 1. NO	ECK ALL THAT APPLY FICE OF SEISMIC ACTIVITY FICE OF ENTRY FOR PLAT SU	OF NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	OOG OFFICE USE ONLY RECEIVED/ NOT REQUIRED
*PLEASE CHI 1. NO 2. NO 3. NO	ECK ALL THAT APPLY FICE OF SEISMIC ACTIVITY FICE OF ENTRY FOR PLAT SU	or NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED ORVEY OR NO PLAT SURVEY WAS CONDUCT OR NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED OR WRITTEN WAIVER BY SURFACE OWN	OOG OFFICE USE ONLY RECEIVED/ NOT REQUIRED RECEIVED/ NOT REQUIRED ER
*PLEASE CHI 1. NO 2. NO 3. NO	ECK ALL THAT APPLY FICE OF SEISMIC ACTIVITY FICE OF ENTRY FOR PLAT SU	or NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED OR NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or WRITTEN WAIVER BY SURFACE OWN (PLEASE ATTACH) Office of Oil ar	OOG OFFICE USE ONLY RECEIVED/ NOT REQUIRED RECEIVED/ NOT REQUIRED ER OR GER
*PLEASE CHI 1. NO 2. NO 3. NO	ECK ALL THAT APPLY FICE OF SEISMIC ACTIVITY FICE OF ENTRY FOR PLAT SU	or NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED ORVEY OR NO PLAT SURVEY WAS CONDUCT OR NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED OR WRITTEN WAIVER BY SURFACE OWN	OOG OFFICE USE ONLY RECEIVED/ NOT REQUIRED RECEIVED/ NOT REQUIRED ER Ad G THE RECEIVED RECEIVED 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:

signature confirm in this Notice Cobtaining the int	at as required under West Virginia Conquired parties through personal serving mation. I certify under penalty of law Certification and all attachments, and	ode § 22-6A, I have so ice, by registered mail that I have personally ad that based on my i	the notice requirements within West Virginia Code § 22- erved the attached copies of the Notice Forms, identified or by any method of delivery that requires a receipt or examined and am familiar with the information submitted inquiry of those individuals immediately responsible for a complete. I am aware that there are significant penalties inment.
Well Operator:	Antero Resources Corporation	MESidresse	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
Note	NOTARY SEAL LY RAYNE MARVEL Notary Public State of Colorado ary ID # 20224038743 mission Expires 10-05-2026		rn before me this 30 day of 0 CTD best 2024 AUNE MURUEL Notary Public

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.

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Office of Oil and Gas

NOV 06 2024

WW-6A (9-13)

API NO. 47-00 9-5 0 2 9 0 6 OPERATOR WELL NO. Eller Unit 5V Well Pad Name: Eller Pad

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

Noti	ice Time Requirem	ent: notice shall be prov	ided no later thar	the filing date of permit application.	
	e of Notice: <u>11/4/2024</u> ice of:	_ Date Permit Applica	tion Filed: 11/4/2	2024	
		_			
7	PERMIT FOR AN WELL WORK	-		ROVAL FOR THE IN IMPOUNDMENT OR PIT	
Deli	ivery method pursu	ant to West Virginia C	ode § 22-6A-10((b)	
	PERSONAL SERVICE	☐ REGISTERED MAIL		DD OF DELIVERY THAT REQUIRES A PT OR SIGNATURE CONFIRMATION	
certifregis sedir regis sedir the social a descooper more well impehave provents substractor provents code code code code code code code code	ificate of approval for stered mail or by any ment control plan req surface of the tract on and gas leasehold bein cribed in the erosion a rator or lessee, in the e coal seams; (4) The l work, if the surface oundment or pit as do e a water well, spring yide water for consun posed well work active section (b) of this sec- ords of the sheriff req- vision of this article to le R. § 35-8-5.7.a rec-	r the construction of an immethod of delivery that required by section seven of a which the well is or is pring developed by the proposand sediment control plan event the tract of land on cowners of record of the stract is to be used for the escribed in section nine of or water supply source longition by humans or domerity is to take place. (c)(1) tion hold interests in the luired to be maintained puro the contrary, notice to a quires, in part, that the open	apoundment or pit equires a receipt of this article, and the oposed to be local osed well work, if submitted pursual which the well pro- particle tract or tra- placement, constru- cented within one of estic animals; and If more than three ands, the applicant resuant to section elien holder is not erator shall also pre-	of the application, the applicant for a permit for any state as required by this article shall deliver, by personal state required by this article shall deliver, by personal state well plat to each of the following persons: (1) The ted; (2) The owners of record of the surface tract or the surface tract is to be used for roads or other land into subsection (c), section seven of this article; (3) toposed to be drilled is located [sic] is known to be used to verlying the oil and gas leasehold being develop uction, enlargement, alteration, repair, removal or about thousand five hundred feet of the center of the well personal five hundred feet of the center of the well personal through the documents required upon the personal transport one, chapter eleventa dientholder is the lateratic to a landowner, unless the lienholder is the lateratic the Well Site Safety Plan ("WSSP") to the surface provided in section 15 of this rule.	ervice or by the erosion and owners of record of racts overlying the disturbance as The coal owner, anderlain by one or ed by the proposed andonment of any the applicant to ad which is used to aim which the described in de scribed in the otwithstanding any andowner. W. Va.
Ø A	Application Notice	☑ WSSP Notice ☑ E	&S Plan Notice	☑ Well Plat Notice is hereby provided to:	
	URFACE OWNER			COAL OWNER OR LESSEE	
	ne: PLEASE SEE ATTAC dress:		<u> </u>	Name: NO DECLARATIONS ON RECORD WITH COUNTY Address:	- RECEIVED -Office of Oil and Gas
Nar	ne:		_	COAL OPERATOR	
				Name: NO DECLARATIONS ON RECORD WITH COUNTY Address:	- NOV 06 2024
		(s) (Road and/or Other D		WATER PURVEYOR(s)/OWNER(s) OF WATER WELL	
Nai	ne:			SPRING OR OTHER WATER SUPPLY SOURCE	Environmental Protection
			<u> </u>	Name: NONE WITHIN 1500'	_
Nar	me:			Address:	_
Ado	dress:			OPERATOR OF ANY NATURAL GAS STO	_ RAGE FIELD
<u></u>	URFACE OWNER	(s) (Impoundments or Pi	ts)	Name:	
Na	me:			Address:	- -
Ade	dress:		_	*Di	_
	····		_	*Please attach additional forms if necessary	

Well Pad Name: Eller 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.ficep.etv.gov/oil-and-gas/pages/default.aspx.

NOV 06 2024

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 to address the items

WW-6A (8-13) API NO. 47. 795 0 9 5 0 2 9 0 6
OPERATOR WELL NO. Eller Unit 5V

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:

Chief. 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

NOV 06 2024

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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) PI NO. 47-095 0 9 5 0 2 9 0 6

OPERATOR WELL NO. Eller Unit 5V
Well Pad Name: Eller 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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WW-6A (8-13) 4709502906

OPERATOR WELL NO. Eller Unit 5V
Well Pad Name: Eller Pad

Notice is hereby given by:

Well Operator: Antero Resources Corporation

Telephone: (303) 357-7373

Email: cmarvel@anteroresources.com

Address: 1615 Wynkoop Street

Denver, CO 80202

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 depprivacyofficer@wv.gov.

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

Subscribed and sworn before me this 30 day of 0(1, 2024).

CORM RULL Notary Public

My Commission Expires 10-5-210

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WW-6A – NOTICE OF APPLICATION

NOTICE IS HEREBY PROVIDED TO THE SURFACE OWNERS:

Robert D. Wetzel 201 Spruce Lane New Martinsville, WV 26155

Richard Todd Kay 4944 Veterans Highway New Martinsville, WV 26155

Steven D. & Brenda M. Higgins / 2051 Lynn Camp Road
New Martinsville, WV 26155

Daniel & Amy Witschey Living Trust

125 Witschey Addition Street
New Martinsville, WV 26155

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4709502906 Eller Drill Pad 600' 0' 600' 1200' Water Well Map Scale 1" = 600' 17-12 M&B Invesments 17-15 Daniel A. & Amy J. Witschey 16-63 Ronald E. & Jo Ann Kay 16-61 Michael D. & 16-64 Chelsee J. Stevens Richard Todd Kay 1-16 Daniel A. & Amy J. Witschey 16-61.1 Robert D. Wetzel 1-11 Daniel A. Witschey 16-67 Robert D. Wetzel 2000 Center of Proposed Eller Pad 3-10 Steven D. & Brenda M. Higgins 3-9 Steven D. & Brenda M. Higgins 3-8 Steven D. & Brenda M. Higgins 3-10.1 Steven D. & Brenda M. Higgins RECEIVED
Office of Oil and Gas 3-13 NOV 06 2024 Lomax R. Kunkel $t_{i=i(t)}$ Salutiers of Note No water wells were found within 2000' of proposed well

4709502906

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 F Date of Notice	Requirement: Notice shall be provided at least 10/08/2024 Date Permit	t TEN (10) days prior to filing Application Filed: 1/1/04/2024	a permit application.	RECEIVED Office of Oil and Gas
Delivery meth	od pursuant to West Virginia Code § 22-6A	-16(b)		NOV 06 2024
☐ HAND	CERTIFIED MAIL			ont Of
DELIVER	RY RETURN RECEIPT REQUES	TED		WV Department of Environmental Protection
drilling a horiz of this subsecti subsection may	Va. Code § 22-6A-16(b), at least ten days pried or hand delivery, give the surface owner no contal well: <i>Provided</i> , That notice given pursuon as of the date the notice was provided to the bewaived in writing by the surface owner. To a facsimile number and electronic mail address.	otice of its intent to enter upon that to subsection (a), section the surface owner: <i>Provided</i> , however, the notice if required shall income.	he surface owner's lan en of this article satisfi wever, That the notice	d for the purpose of tes the requirements requirements of this
Notice is here	eby provided to the SURFACE OWNER	R(s):		
Name: PLEASE S	EE ATTACHMENT	Name:		
Address:		Address:		
State: County: District: Quadrangle:	eby given: est Virginia Code § 22-6A-16(b), notice is her her's land for the purpose of drilling a horizont West Virginia Tyler Ellsworth Porters Falls Outlet Middle Island Creek	eby given that the undersigned all well on the tract of land as for UTM NAD 83 UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:	well operator has an bllows: 510911.57m 4381793.59m Veterans Hwy Steven D. & Brenda M. Higg	
related to horiz	hall Include: est Virginia Code § 22-6A-16(b), this notice eer and electronic mail address of the operate ontal drilling may be obtained from the Secret 17 th Street, SE, Charleston, WV 25304 (304-92)	or and the operator's authorize	ed representative. Add	itional information
Notice is here	by given by:			
	Antero Resources Corporation	Authorized Representative:	Mallory Turco	
Address:	1615 Wynkoop St.	Address:	1615 Wynkoop St.	
	Denver, CO 80202		Denver, CO 80202	
Telephone:	303-357-7182	Telephone:	303-357-7182	
Email:	mturco@anteroresources.com	Email:	mturco@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.

WW-6A4 - NOTICE OF INTENT TO DRILL

NOTICE IS HEREBY PROVIDED TO THE SURFACE OWNERS:

Robert D. Wetzel

201 Spruce Lane
New Martinsville, WV 26155

Richard Todd Kay 4944 Veterans Highway New Martinsville, WV 26155

Steven D. & Brenda M. Higgins 2051 Lynn Camp Road New Martinsville, WV 26155

Daniel & Amy Witschey Living Trust v 125 Witschey Addition Street New Martinsville, WV 26155

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NOV 06 2024

WW-6A5 (1/12) Operator Well No. Eller Unit 5V

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

		Requirement: notice shall be prote: 11/04/2024 Date Pe	vided no	o later than the filing pplication Filed: 11/0	date of permit 4/2024	application.
Deliv	ery meth	od pursuant to West Virginia (Code §	22-6A-16(c)		
	CERTIF	IED MAIL		HAND		
	RETUR	N RECEIPT REQUESTED		DELIVERY		
return the pi required drillind dama	n receipt relanned op red to be paged a he ges to the he notices	requested or hand delivery, give to peration. The notice required by provided by subsection (b), section orizontal well; and (3) A propose e surface affected by oil and gas of	he surfa this son ten of ed surfa peration	ace owner whose land ubsection shall include of this article to a surfa- ace use and compens are to the extent the da	I will be used for de: (1) A copy ace owner whost ation agreement amages are comp	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information see land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter. sted in the records of the sheriff at the time
Notic	e is here	by provided to the SURFACE (OWNE	R(s)		
(at the	e address	listed in the records of the sherif		time of notice):		
		SEE ATTACHED	_	Name:		
Addr	ess:		_	Address	3:	
			_	-		
Pursu	ant to We	by given: est Virginia Code § 22-6A-16(c), he surface owner's land for the p West Virginia	notice urpose	is hereby given that the of drilling a horizonta	l well on the tra	well operator has developed a planned act of land as follows: 510911.57m
Coun	ty:	Tyler		— UIMINAD 8	Northing:	4381793.59m
Distri		Ellsworth		Public Road		Veterans Hwy
	0	Porters Falls		Generally use	ed farm name:	Steven D. & Brenda M. Higgins
Wate	rshed:	Outlet Middle Island Creek				
Pursu to be horize surface inform heade	provided ontal well ce affecte mation re	d by W. Va. Code § 22-6A-10(t); and (3) A proposed surface used by oil and gas operations to the lated to horizontal drilling may located at 601 57th Street, SE,	to a and cone extended be obta	surface owner whose ompensation agreement the damages are comined from the Secret	e land will be un nt containing ar ompensable und ary, at the WV	code section; (2) The information required used in conjunction with the drilling of a n offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting

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.

Office of Oil and Gas

NOV 06 2024

WW-6A5 – NOTICE OF PLANNED OPERATION

NOTICE IS HEREBY PROVIDED TO THE <u>SURFACE OWNERS</u>:

Robert D. Wetzel 201 Spruce Lane New Martinsville, WV 26155

Richard Todd Kay 4944 Veterans Highway New Martinsville, WV 26155

Steven D. & Brenda M. Higgins 2051 Lynn Camp Road New Martinsville, WV 26155

Daniel & Amy Witschey Living Trust 125 Witschey Addition Street New Martinsville, WV 26155

RECEIVED
Office of Oil and Gas

NOV 06 2024

int. Departmen of Environmental Profession

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

October 30, 2024

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

RECEIVED
Office of Oil and Gas

Subject: DOH Permit for the Eller Well Pad, Tyler County Eller Unit 5V Well Site NOV 06 2024

WY Department of Environmental Protection

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2024-2349 which has been issued to Antero Resources Corporation for access to the State Road for a well site located off Tyler County Route 180 WV MP 3.08.

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

Central Office O&G Coordinator

Lacy D. Pratt

Cc: Carly Marvel

Antero Resources Corporation

OM, D-6

File

List of Anticipated Additives Used for Fracturing or Stimulating Well 4709502906

(CAS #) 7732-18-5 37971-36-1 7727-54-0 Proprietary
37971-36-1 7727-54-0
7727-54-0
1.061.000.4
Proprietary
64742-48-9
Proprietary
Proprietary
Mixture
68412-54-4
26635-93-8
107-21-1
111-76-2
9000-30-0
7647-01-0
64742-47-8
67-63-0
10222-01-2
Proprietary
64742-47-8
57-55-6
107-19-7
57-55-6
14808-60-7
7631-86-9
7647-14-5
1310-73-2 57-50-1 RE
THIS O
68439-51-0
14808-60-7 NOV
72480-70-7
64742-96-7 wv
64742-96-7 WV (67784-80-9 Environ
52255-49- <u>9</u>
15827-60-8
34690-00-1
71050-62-9
23605-75-5
9003-06-9
23605-74-5
111-46-6
100-97-0
68603-67-8
61791-14-8
38172-91-7

OPERATOR: Antero Resources Corp.	WELL NO: Eller Unit 5V
PAD NAME: Eller Pad	
REVIEWED BY: Mallory Turco	SIGNATURE: MM Y

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

Well Restrictions		
	\checkmark	At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland; OR
		DEP Waiver and Permit Conditions
	\checkmark	At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to any Naturally Producing Trout Stream; OR
		DEP Waiver and Permit Conditions
	\checkmark	At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to any Groundwater Intake or Public Water Supply; OR
		DEP Waiver and Permit Conditions RECEIVEL Office of Oil and Green
	\checkmark	At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled; OR
		Surface Owner Waiver and Recorded with County Clerk, OR WV Department of Environmental Protection
		DEP Variance and Permit Conditions
	\checkmark	At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pad; OR
		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 the Center of the Pad; OR
		Surface Owner Waiver and Recorded with County Clerk, OR
		DEP Variance and Permit Conditions