

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, March 21, 2022 WELL WORK PERMIT Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET DENVER, CO 80202

Permit approval for PHAETON UNIT 1H Re:

47-095-02786-00-00

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 easing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

Operator's Well Number: PHAETON UNIT 1H

Farm Name:

ELDON J & RUTH A HELMAN

Horizontal 6A New Drill

U.S. WELL NUMBER: 47-095-02786-00-00

Date Issued: 3/21/2022

API :	Number:	

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

- 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.
- 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. 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.

API Number:	

PERMIT CONDITIONS

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, consistency 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.

4709502786 API NO. 47-095

OPERATOR WELL NO. Phaeton Unit 1H
Well Pad Name: Eldon Pad

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

1) Well Operator: Antero F	Resources Corporati	494507062	095 - Tyler	Ellsworth	Middlebourne 7.5'
		Operator ID	County	District	Quadrangle
2) Operator's Well Number:	Phaeton Unit 1H	Well Pa	d Name: Eldo	n Pad	
3) Farm Name/Surface Own	er: Eldon J. & Ruth A H	Public Roa	d Access: Alle	en Run Rd	
4) Elevation, current ground	880' as built El	evation, proposed	post-construct	ion:	
5) Well Type (a) Gas 2	Oil	Und	erground Stora	ge	
3,4,5,5,5	Shallow X Horizontal X	Deep	-		
6) Existing Pad: Yes or No	Yes				
7) Proposed Target Formatic Marcellus Shale: 6400' TV					
8) Proposed Total Vertical D	Depth: 6400' TVD				
9) Formation at Total Vertic	100	3			
10) Proposed Total Measure	d Depth: 8500'				
11) Proposed Horizontal Leg	g Length: 1274.5'				
12) Approximate Fresh Wat	er Strata Depths:	156'			
13) Method to Determine Fr 14) Approximate Saltwater I	esh water Depths.	7095009120000 Offset we	ll records. Depths hav	e been adjusted a	occording to surface elevations.
15) Approximate Coal Seam	Depths: None Anti	cipated			
16) Approximate Depth to P	4 C C C C C C C C C C C C C C C C C C C	A State of the Land	None Anticipa	ated	
17) Does Proposed well loca directly overlying or adjacen		ms Yes	No.	o <u>X</u>	
(a) If Yes, provide Mine Ir	nfo: Name:				
	Depth:				
	Seam:				
	Owner:				

WW-6B	
(04/15)	

API NO. 47- 095 OPERATOR WELL NO. Phaeton Unit 1H
Well Pad Name: Eldon Pad

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	<u>Grade</u>	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	79#	80'	80'	CTS, 77 Cu. Ft.
Fresh Water	13-3/8"	New	J/K-55	54.5#	300'	300'	CTS, 313Cu. Ft.
Coal	9-5/8"	New	J-/K55	36#	2500'	2500'	CTS, 1018 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P-110CY	20#	8500'	8500'	CTS, 1212 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	~1.18
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"	14,360	2500	Class G/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		

WW-6B
(10/14)

API NO. 47095	
OPERATOR WELL NO.	Phaeton Unit 1H
Well Pad Name: Floor	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): 35.04 acres
- 22) Area to be disturbed for well pad only, less access road (acres): 12.65 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.

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 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.

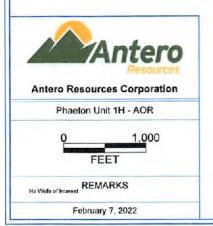
Intermediate: blowhole clean with air, trip to surface casing shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate 40 bbls brine water followed by 10 bbls fresh water and 25 bbls bentonite mud, pump 10 bbls fresh water.

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.



Phaeton Unit 1H



03/25/2022

API	Number	47 -	095	
	Timinoci			

Operator's Well No. Phaeton Unit 1H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Antero Resources Corporation OP Code 494507062
Watershed (HUC 10) Outlet Middle Island Creek Quadrangle Middlebourne 7.5
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No
Will a pit be used? Yes No V
If so, please describe anticipated pit waste: No pit will be used at this site (Drilling and flowback Fluids will be stored in tanks. Cultings 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/
Wetzel County 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 - Alr/Freshwater, Intermediate - Dust/
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Stiff Foam, Production - Water Based Mud or Synthetic Based Mud
-If oil based, what type? Synthetic, petroleum, etc. Synthetic
Additives to be used in drilling medium? Please See Attachment
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. 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 County 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 (Typed Name) Gretchen Kohler
Company Official Title Director, Environmental and Regulatory Compliance
Subscribed and sworn before me this day of, 2022
Dipen & Seria Notary Public DIANE BLAIR
My commission expires Older Blair Notary Public NOTARY PUBLIC STATE OF COLORADO NOTARY ID 19994011871

Lime 2-4	t: Acres Disturbed 35.04	Prevegetation pr	I
	Tons/acre or to correct to pH	6.5	
Fertilizer type Hay or Straw of	or Wood Fiber (will be used where needed)		
Fertilizer amount 500	lbs	√acre	
Mulch 2-3	Tons/ac		
Access Road "A" (7.28 acres) + Access Roa		acres) + Well Pad (12.65 acres) + Excess/To	psoil Material Stockpiles (9.07 acre
35.04 Total Affected Acres	Seed	Mixtures	
Tempo	orary	Perma	nent
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 s	ee type, (Page 33 Eldon Pad Design)	See attached Table IV-4 for additional s	eed type (Page 33 Eldon Pad Desig
*or type of grass seed requested	by surface owner	*or type of grass seed requeste	ed by surface owner
provided). If water from the pit water application as	vill be land applied, include din rea.	ation (unless engineered plans inclu- nensions (L x W x D) of the pit, and	ding this info have been I dimensions (L x W), and a
provided). If water from the pit watereage, of the land application a	vill be land applied, include din rea.	nensions (L x W x D) of the pit, and	ding this into have been I dimensions (L x W), and a
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provided). If water from the pit watereage, of the land application at Photocopied section of involved Plan Approved by:	vill be land applied, include din rea.	nensions (L x W x D) of the pit, and	ding this into have been I dimensions (L x W), and a
provided). If water from the pit watereage, of the land application at Photocopied section of involved Plan Approved by:	vill be land applied, include din rea. 7.5' topographic sheet.	nensions (L x W x D) of the pit, and	ding this into have been I dimensions (L x W), and a
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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 Congor 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



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



911 Address 3830 Next Road Sistersville, WV 26175

Well Site Safety Plan Antero Resources

Well Name: Eldon Unit 5H, Clutter Unit 1H & 2H, Folger Unit 1H-3H

and Phaeton Unit 1H

Pad Location: Eldon Pad

Tyler County/Ellsworth District

GPS Coordinates:

Entrance - Lat 39.499696"/Long -80.953800" (NAD83)

Pad Center - Lat 39.493588"/Long -80.956985" (NAD83)

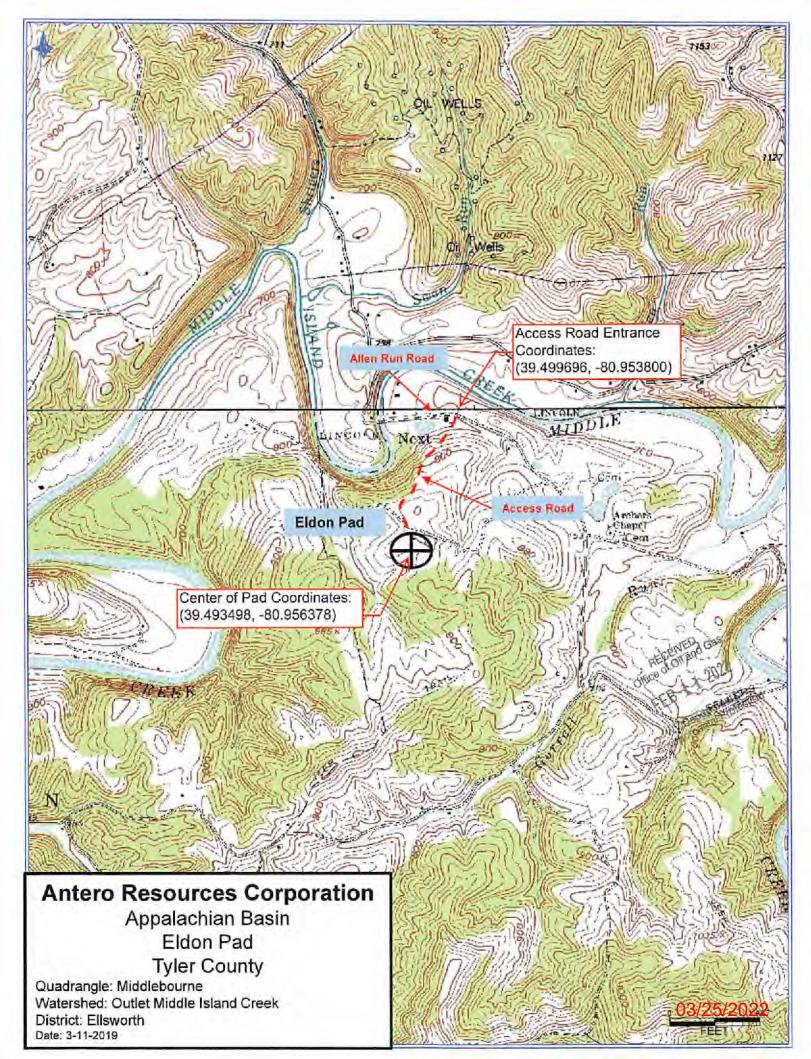
Driving Directions:

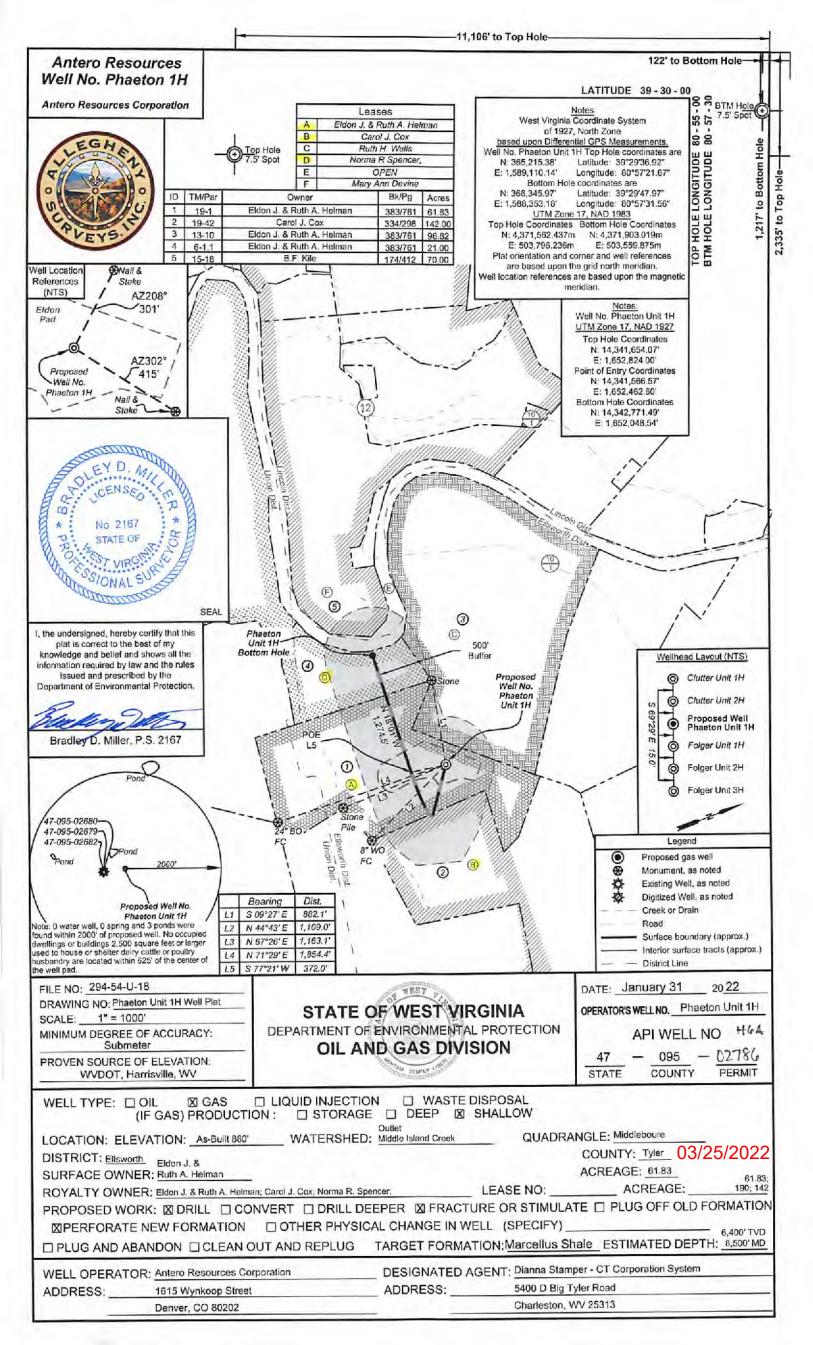
From the intersection of Broad St and Main St in the town of Middlebourne, head northeast on WV-18 N/ Main St toward Wetzel Ave for 0.7 miles. Turn left onto Co Rd 2/4 for 164 ft. Continue onto Sellers Rd for 400 ft. Turn left to stay on Sellers Rd for 3.4 miles. Turn right onto Allen Run Rd/Pleasant Ridge Rd for 1.1 miles. Access road will be on your left.

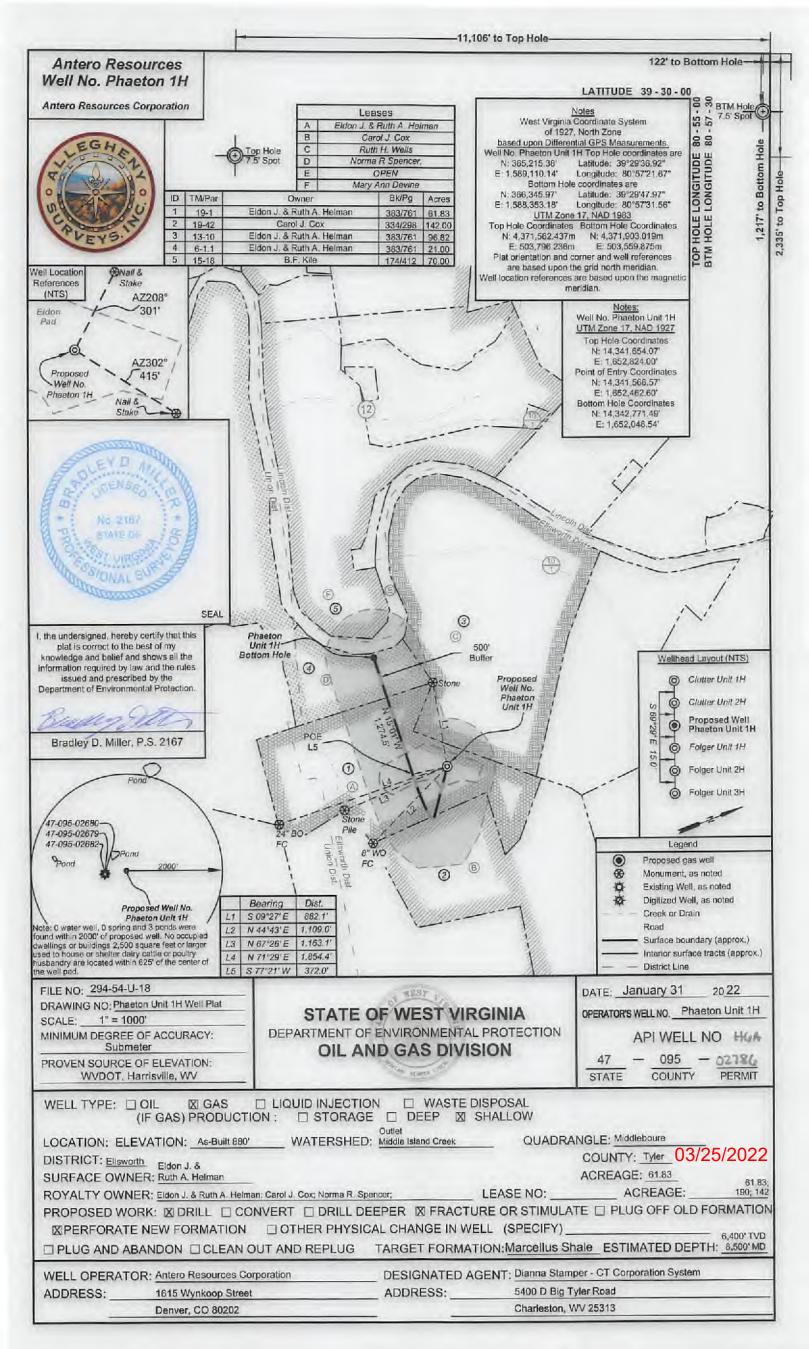
Alternate Route:

From the United States Postal Service in Sistersville, head southeast on Elizabeth St toward Chelsea St for 194 ft. Elizabeth St turns right and becomes WV-2 S/Chelsea St for 1.0 mile. Continue straight onto WV-18 S for 3.0 miles. Turn right onto Co Rd 10 for 1.7 miles. Continue onto Next Rd/Shriver Run Rd for 1.6 miles. Turn right onto Allen Run Rd/Next Rd/Pleasant Ridge Rd for 0.5 mile. Turn right for 0.4 mile. Access road will be on your left.

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







Operator's Well Number Phaeton Unit 1H

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
A: Eldon J. & Ruth A. Helman Lease Eldon J. Helman, et ux	Antero Resources Corporation	1/8+	0427/0610
B: Carol J. Cox Lease Carol J. Cox	Antero Resources Corporation	1/8+	0559/0691
A: Eldon J. & Ruth A. Helman Lease Eldon J. Helman, et ux	Antero Resources Corporation	1/8+	0427/0610

RECEIVED
Office of Oil and Gas

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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)

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- (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.	Royalty	Book/Page
D.	Norma R.Spencer Lease	Sa Title Con At all and The			
		Norma R. Spencer, Trustee of the Allan P. Spencer Living Trust	Antero Resources Corporation	1/8+	0564/0428

*Partial Assignments to Antero Resources Corporation Include 100% rights to extract, produce and market the oil and gas from the Marcellus and any other formations completed with this well.



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

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 Resou	rces Corporation
By:	Tim Rady	lim Vedy
Its:	VP of Land	



February 8, 2022

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

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

RE:

Phaeton Unit 1H

Quadrangle: Middlebourne 7.5'

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 Phaeton Unit 1H horizontal shallow well. As an authorized representative, I certify that Antero has the right to extract, produce or market the oil or gas for all leases through which the Phaeton Unit 1H horizontal lateral will drill through including any and all roads crossed under as identified on the attached survey plat.

Sincerely,

Tyler Adams Landman

Office of Oil and Gas
Office of Oil and Gas

FEB 11 12022

Environmental Protection
Environmental Protection

Date of Notice Certification: 02/09/2022

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

API No. 47- 095

			-	Well No. Phaet	
			Well Pad N	Name: _Eldon Pa	ad
	ne provisions in West Virginia Code §	§ 22-6A, the Operator has prov	vided the rec	quired parties w	vith the Notice Forms listed
below for the State:	tract of land as follows: West Virginia		Eastings	503796.24m	
	Tyler	UTM NAD 83	Easting: Northing:	4371562.44m	-
County: District:	Ellsworth	Public Road Acc	•	Allen Run Rd	
Quadrangle:	Middlebourne 7.5'	Generally used fa		Eldon J. & Ruth A	. Helman
Watershed:	Outlet Middle Island Creek	Generally used to	min name.		
prescribed by it has provide information re of giving the requirements Virginia Code	West Virginia Code § 22-6A-7(b), the secretary, shall be verified and seed the owners of the surface described and the country of the surface owner notice of entry to surface owner notice owner notice owner notice owner notice owne	shall contain the following info bed in subdivisions (1), (2) a ection sixteen of this article; (in arvey pursuant to subsection (of this article were waived in tender proof of and certify to the	ormation: (1and (4), substitution (1), substitution (a), section writing by	 A certification section (b), section quirement was ten of this articities the surface ow 	on from the operator that (i) etion ten of this article, the deemed satisfied as a result cle six-a; or (iii) the notice wner; and Pursuant to West
Pursuant to that the Ope	West Virginia Code § 22-6A, the Operator has properly served the require	perator has attached proof to the	his Notice C	Certification	OOG OFFICE USE ONLY
☐ 1. NO1	TICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIR SEISMIC ACTIVITY WAS			□ RECEIVED/ NOT REQUIRED
☐ 2 NO	TICE OF ENTRY FOR PLAT SURV	uni 🗐 Non Amerika			
2. INU		VEY or E NO PLAT SURV.	EY WAS C	ONDUCTED	□ RECEIVED
_	TICE OF INTENT TO DRILL or	NOTICE NOT REQUIRED NOTICE OF ENTRY FOR IT WAS CONDUCTED OF	RED BECA	USE	☐ RECEIVED/ ☐ RECEIVED/ NOT REQUIRED
_	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIRED NOTICE OF ENTRY FOR I	RED BECA PLAT SUR BY SURFA	USE VEY	☐ RECEIVED/
■ 3. NO	TICE OF INTENT TO DRILL or TICE OF PLANNED OPERATION	□ NOTICE NOT REQUIRED NOTICE OF ENTRY FOR IT WAS CONDUCTED OF □ WRITTEN WAIVER	RED BECA PLAT SUR BY SURFA	USE VEY	☐ RECEIVED/
■ 3. NO?		□ NOTICE NOT REQUIRED NOTICE OF ENTRY FOR IT WAS CONDUCTED OF □ WRITTEN WAIVER	RED BECA PLAT SUR BY SURFA	USE VEY	☐ 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 Diana Hoff , have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator: Antero Resources Corporation

By:

Diana Hoff

Its: Telephone: Senior VP of Operations

Diana (

303-357-7310

Address:

1615 Wynkoop Street

Denver, CO 80202

Facsimile: 303-357-7315

Email:

mstanton@anteroresources.com

NOTARY PUBLIC STATE OF COLORADO NOTARY ID 19994011871 MY COMMISSION EXPIRES 27-Apr-2024 Subscribed and sworn before me this / U day of Fe h

Notary Public

My Commission Expires

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.

03/25/2022

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application. Date of Notice: 02/10/2022 Date Permit Application Filed: 02/10/2022 Notice of: PERMIT FOR ANY ☐ CERTIFICATE OF APPROVAL FOR THE WELL WORK CONSTRUCTION OF AN IMPOUNDMENT OR PIT Delivery method pursuant to West Virginia Code § 22-6A-10(b) PERSONAL ☐ REGISTERED ✓ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION **SERVICE** MAIL Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") 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. ☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to: SURFACE OWNER(s) ☐ COAL OWNER OR LESSEE Name: NO DECLARATIONS ON RECORD WITH COUNTY Name: Eldon J. & Ruth A. Helman Address: 3647 Next Road Address: Sistersville, WV 26175-7076 COAL OPERATOR Name: Name: NO DECLARATIONS ON RECORD WITH COUNTY Address: _ Address: ☑ SURFACE OWNER(s) (Road and/or Other Disturbance) Name: Eldon J. & Ruth A. Helman WATER PURVEYOR(s)/OWNER(s) OF WATER WELL, Address: 3647 Next Road SPRING OR OTHER WATER SUPPLY SOURCE Sistersville, WV 26175-7076 Name: NONE IDENTIFIED WITHIN 1500' Name: Address: Address: ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD ☐ SURFACE OWNER(s) (Impoundments or Pits) Address: Address: *Please attach additional forms if necessary

RECEIVED Cass

OR CONTROL OF CONT

APLNO 47-095 7 0 9 5 0 2 7 8 6
OPERATOR WELL NO. Phaeton Unit 1H
Well Pad Name: Eldon Pad

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-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 madequate or otherwise require alteration to address the items

API NO. 47-095

OPERATOR WELL NO. Phaeton Unit 1H

Well Pad Name: Eldon Pad

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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

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

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API NO. 47- 095

OPERATOR WELL NO, Phaeton Unit 1H

Well Pad Name: Eldon 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) API NO. 47- 095 OPERATOR WELL NO. Phaeton Unit 1H
Well Pad Name: Eldon Pad

Notice is hereby given by:

Well Operator: Antero Resources Corporation

Telephone: (303) 357-7310 Diana O. Hoff
Email: mstanton@anteroresources.com

Denver, CO 80202 Facsimile: 303-357-7315

Address: 1615 Wynkoop Street

Oil and Gas Privacy Notice:

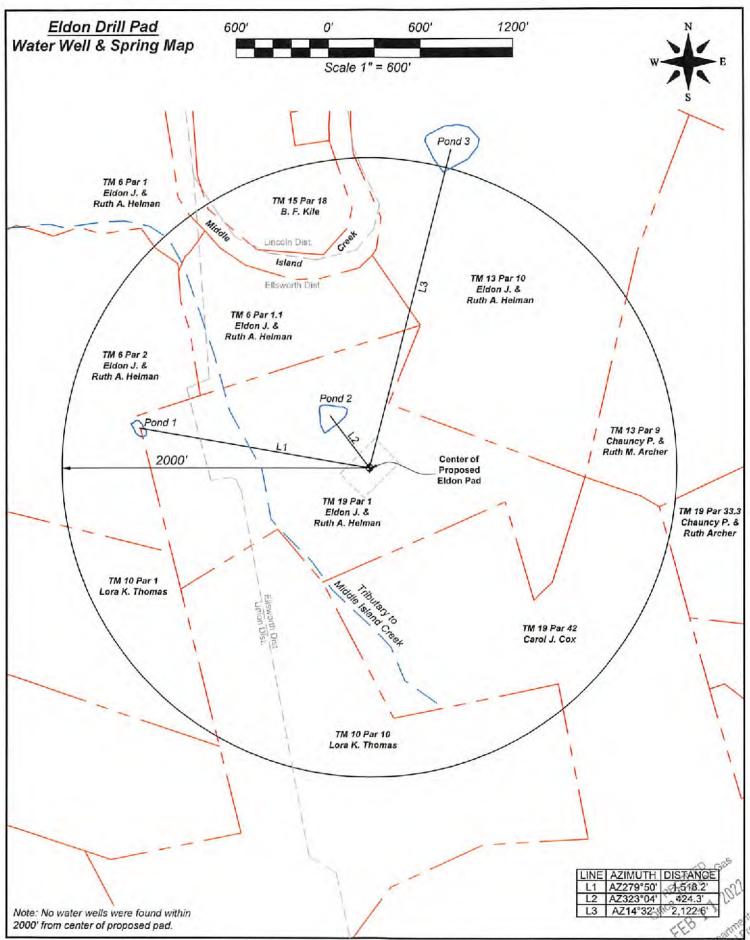
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory 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 deepprivacyofficer@wv.gov.

DIANE BLAIR
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 19994011871
MY COMMISSION EXPIRES 27-Apr-2024

Subscribed and sworn before me this 10 day of Feb, 2022.

Notary Public

My Commission Expires 27 Apr 2024



03/25/2022

WW-6A4 (1/12)

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 Notice	Requirement: Notice shall be provided a ce: 12/15/2021 Date Pe	ermit Application Filed: 02/10/2022	permit application.
Delivery met	hod pursuant to West Virginia Code §	22-6A-16(b)	
☐ HAND	■ CERTIFIED MAIL		
		OUESTED	
DELIVE	ERY RETURN RECEIPT RE	QUESTED	
receipt request drilling a hor of this subsect subsection ma	sted or hand delivery, give the surface ow izontal well: <i>Provided</i> , That notice give tion as of the date the notice was provide	when notice of its intent to enter upon the pursuant to subsection (a), section to do to the surface owner: <i>Provided, however</i> . The notice, if required, shall include:	, an operator shall, by certified mail return the 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, or's authorized representative.
Notice is he	reby provided to the SURFACE O	WNER(s):	
Name: Elde	on J. and Ruth A. Helman	Name:	
Address: 364	7 Next Road	Address:	
	ersville, WV 26175-7076		
Notice is he Pursuant to V	reby given: Vest Virginia Code § 22-6A-16(b), notice	e is hereby given that the undersigned orizontal well on the tract of land as fo	well operator has an intent to enter upon
Notice is he Pursuant to V the surface ov State: County:	reby given: Vest Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a h West Virginia Tyler	orizontal well on the tract of land as for Easting: UTM NAD 83 Rorthing:	503796.24m 4371562.44m
Notice is he Pursuant to V the surface ov State: County: District:	reby given: Vest Virginia Code § 22-6A-16(b), notice when's land for the purpose of drilling a home when the work of the purpose of drilling a home when the work of the purpose of drilling a home when the work of the purpose of drilling a home when the work of the purpose of drilling a home when the work of the purpose of drilling a home when the work of the purpose of drilling a home when the work of the purpose of drilling a home when the work of the purpose of drilling a home when the purpo	orizontal well on the tract of land as for the state of land as for the black of land as for the	bllows: 503796.24m 4371562.44m Allen Run Rd
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Notice is he Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor	reby given: Vest Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a house Virginia Tyler Ellsworth Middlebourne 7.5' Outlet Middle Island Creek Shall Include: West Virginia Code § 22-6A-16(b), this inber and electronic mail address of the rizontal drilling may be obtained from the	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: s notice shall include the name, addresses authorize the Secretary, at the WV Department of	bllows: 503796.24m 4371562.44m Allen Run Rd
Notice is he Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor located at 600 Notice is he	reby given: Vest Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a home was virginia Tyler Ellsworth Middlebourne 7.5' Outlet Middle Island Creek Shall Include: West Virginia Code § 22-6A-16(b), this mber and electronic mail address of the rizontal drilling may be obtained from the 157th Street, SE, Charleston, WV 25304 reby given by:	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: s notice shall include the name, addresses authorize the Secretary, at the WV Department of	ollows: 503796.24m 4371562.44m Allen Run Rd Eldon J. Helman et ux ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters.
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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-6A5 (1/12)

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

to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Addition information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-angas/pages/default.aspx . Well Operator: Antero Resources Corporation Address: 1615 Wynkoop Street Denver, CO 80202	Notice Tir Date of N		quirement: notice shall be prov 02/10/2022 Date Per	ided no mit A	o later than the filing pplication Filed: 02/1	date of permit 0/2022	application.
Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filling the permit application, an operator shall, by certified meretum receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for the surface affected by oil and gas operations to the extent the damages are compensable under article is sub- of this chapte (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the tim of notice. Notice is hereby provided to the SURFACE OWNER(s) (at the address listed in the records of the sheriff at the tim of notice): Name:	Delivery 1	metho	d pursuant to West Virginia C	ode §	22-6A-16(c)		
Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filling the permit application, an operator shall, by certified maretum receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation damages to the surface affected by oil and gas operations to the extent the damages are compensable under article is sub- of this chapte (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the tim of notice. Notice is hereby provided to the SURFACE OWNER(s) (as the address listed in the records of the sheriff at the tim of notice): Name: Beon 3-8 Run A Hofman Address: 3647 Next Board Sistenswille, WV 20175-076 Notice is hereby given: Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows: State: West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows: State: West Virginia Code § 22-6A-16(c), this notice shall include: UTM NAD 83 West Shall Include: Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information require to be provided by W. Va. Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information require to be provided by W. Va. Code § 22-6A-16(b) to a surface owner whose land will be used in conjunction with the drilling of horizontal delicity	CER	TIFIE	ED MAII	П	HAND		
Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filling the permit application, an operator shall, by certified me return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice in the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation flamages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapte (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice): Notice is hereby provided to the SURFACE OWNER(s) (at the address listed in the records of the sheriff at the time of notice): Name: Reton J. & Roun A. Helman Name: Address: 3847 Morthage Sistency Brown Road Address: 3847 Morthage Notice is hereby given: Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows: State: West Virginia Code § 22-6A-16(c), motice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows: State: West Virginia Code § 22-6A-16(c), this notice is hereby given that the undersigned well operator has developed a planned operator. The surface owner's land does not be surface and the surface owner's land does not be surface and land land cross. This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(c), this notice shal							
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(at the address listed in the records of the sheriff at the time of notice): Name:	return receithe planner required to drilling of damages to (d) The notice.	ed ope be pr a hor o the s	quested or hand delivery, give the ration. The notice required by sovided by subsection (b), section izontal well; and (3) A propose surface affected by oil and gas operquired by this section shall be a	e surfa this so ten o d surfa eration given t	ace owner whose land ubsection shall include this article to a surface use and compens as to the extent the date to the surface owner a	will be used for de: (1) A copy ace owner whos ation agreemen mages are comp	or the drilling of a horizontal well notice of of this code section; (2) The information the land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter.
Address: 3647 Next Road Sistersville, WV 26175-7076 Notice is hereby given: Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows: State: West Virginia UTM NAD 83 Easting: 5037962-24m County: Tyler UTM NAD 83 Northing: District: Elisworth Public Road Access: Allen Run Rd Quadrangle: Middleboume 7.5 Generally used farm name: Elden J. 8 Ruth A. Helman Watershed: Outlet Middle Island Greek This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information require to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Addition information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protectic headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-ancess/pages/default.aspx. Well Operator: Antero Resources Corporation Address: 1615 Wynkoop Street Denver, CO 80202							
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Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows: State: West Virginia County: Tyler District: Elisworth Quadrangle: Middlebourne 7.5' Quetlet Middle Island Greek This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information require to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Addition information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-andgas/pages/default.aspx. Well Operator: Antero Resources Corporation Address: 1615 Wynkoop Street Denver, CO 80202	S	Sistersville	e, WV 26175-7076				
Quadrangle: Middlebourne 7.5' Generally used farm name: Eldon J. & Ruth A. Helman This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information require to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Addition information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-andgas/pages/default.aspx. Well Operator: Antero Resources Corporation Address: 1615 Wynkoop Street Denver, CO 80202	operation State:	on the	e surface owner's land for the pu- lest Virginia		of drilling a horizonta	l well on the tra Easting:	ct of land as follows: 503796.24m
This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information require to be provided by W, Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Addition information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-angas/pages/default.aspx . Well Operator: Antero Resources Corporation Address: 1615 Wynkoop Street Denver, CO 80202		-	Isworth				Allen Run Rd
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Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information require to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Addition information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-angas/pages/default.aspx . Well Operator: Address: Address: Address: 1615 Wynkoop Street Denver, CO 80202	Watershed	1: 0:	utlet Middle Island Greek				
Telephone: (303) 357-7310 Denver, CO 80202	Pursuant to be prov horizontal surface aff information headquarte	o Wes vided by well; fected on rela ers, lo	t Virginia Code § 22-6A-16(c), by W. Va. Code § 22-6A-10(b) and (3) A proposed surface use by oil and gas operations to the ted to horizontal drilling may be cated at 601 57th Street, SE,	to a sand co	surface owner whose impensation agreement the damages are co- tined from the Secret	land will be untended to the land will be under the land are are the will be under t	used in conjunction with the drilling of a n offer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection
Telephone: (303) 357-7310 Denver, CO 80202	Well Oper	ator:	Antero Resources Corporation		Address:	1615 Wynkoon Street	et
					Facsimile:		

Oil and Gas Privacy Notice:

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4 7 0 9 5 0 2 7 8 6 API NO. 47-095 OPERATOR WELL NO. Phaeton Unit 1H Well Pad Name: Eldon Pad

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

VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

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.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

County: District: Quadrangle:		Northing: Public Road Access:	
		ruone Road Access.	
American Pro.	Middlebourne 7.5'	Generally used farm name:	Allen Run Rd Fidon J. & Ruth A. Helman
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	CE OWNER (Impoundments/Pits) OWNER OR LESSEE	FOR EXECUT	ION BY A CORPORATION, ETC.
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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

D. Alan Reed, P.E. Charleston, West Virginia 25305-0430 • (304) 558-3505
State Highway Engineer

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

February 8, 2022

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 Eldon Pad, Tyler County

Phaeton Unit 1H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2018-0802 which has been issued to Antero Resources Corporation for access to the State Road for a well site located off Tyler County Route 10/1 SLS MP 3.32.

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 October 1, 2018. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Gary K. Clayton, P.E.

Elay K. Clayton

Regional Maintenance Engineer Central Office O&G Coordinator

Cc: Diane Blair

Antero Resources Corporation

CH, OM, D-6

File

LOCATION COORDINATES
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PROJECT CONTACTS:

PERATOR OPERATOR
ANTEN DESCRIPCIÓN COMPONATION
ANTEN DAME DAVID
MEDICIPORT Nº 20130
PRONE (304) 843-4100
FAX: 1204) 843-4102

ELL WAGDNER - ENVIRONMENTAL ENGINEER & BEGULATORY MANAGER CEFFCE (304) 842-4688 (ELL (304) 476-8770

DIANA HOFF - SVP OPERATIONS OFFICE (DGC) 237-6904

MARION KUNZLER - CONSTRUCTION MANAGER

ROWERT WIRKS - DEZIGN MANAGER OFFICE (204) 842-4100 CELL (204) 822-7406

CHARLES & CONTROL IN UTILITY DOCUMENTOR

WYDEP GOG

ACCEPTED AS-BUILT

YSK 3/9/2022

DAVID PATRY - LAND ACENT CELL (204) 476-8090

CTRUS E NUMP, PE - PROJECT MANAGER/ENGINERA OFFICE: (888) 882-4185 CELL; (540) 888-6747

ENVIRONMENTAL CONSULTANTS, DIC SYCA ENVIRONMENTAL CONSULTANTS, DIC IVAN I MALDONADO ENVIRONMENTAL SPECIALIST DEFICE (412) 838-1001 CELL (370) 798-5786

GEOTECHNICAL PRINSYLVANIA 2018 & SOCK, INC. CHESTOPHER W SANCE — PROJECT ENGINEER OFFICE (412) 372-6000 CELL (413) 6-86 0962

ALL BUT'S MIST HEALER MY PLACE AND PHYSICIONAL UNTIL ALL SAKES WITHER THE LEGIT OF DETURBANCE AND COMPLETE AND PERMANNING PERMANNING MAINTAINER WHIT INCIDENT DETERMINANT AND EMPERCY LEGIS AND REDMENT CONTROLS AFTER EACH RUNOFF FYENT ON PICCESS OF DY AND ON A DETERMINE LEGIS AND REDMENT CONTROLS AFTER EACH RUNOFF FYENT ON PICCESS OF DY AND ON A DETERMINE LEGIS

- THE CONSTRUCTION WER SHOULD BE STANDLING AS SOUD AS POSSIBLE ATTER CONSTRUCTOR TETANDOSHMONT OF THAN STANDLINGSTON WITH E DITHTAND A MARKET THAN THAT SHAT ATTER REACOND FINAL CRADE STANDLING MARKET THAT ALL SOC.—DESTRUCTOR ACTIVITIES AND CONSTRUCTOR. AND THAT STRINGS A PERMANENT PROTECTION WITH A RESERVE OF SHAT AS SHOULD AS FAXYED ON PRICEIONS. TO TREASE BE NOTED THAT THE THE DESTRUCTOR TO THE TOTAL ALBOS SECRETARY AND SAY OF A PRICEION OF THIS STEE.
- ALL PERMANENT HERMENT CONTROL WEASURES CAN BE REMOTED AFTER THE SITE IS PERMANENTLY STABILIZED AND APPROVAL IS RECEIVED FROM THE WIDER
- ANY AREAS DISTINSTED BY REMOVAL OF CONTROLS SHALL BE REPAIRED, STABILIZED, AND PERMANENTLY SEEDED
- THE AS-MULT INFORMATION INFOFM RESERVE REPLICIS FIRED DATA COLLECTED RELATING TO THE THAIL GRADING OF THE DISTURBED AREA AS OF FEBRUARY OF ECONOMICS. ENGINEERING IS NOT RESOLUTIONER FOR ANY CHARGES WARD TO THE STEE AFTER THE REFORM MUNICIPED BATTON
- 5. THE PRINTING CONTAINMENT BEEN ABOUND THE WELL PAD SHALL BE REPAIRED AS NETEROARY TO EXCUSE FOR CONTAINMENT OF ALL FILLIDS VISCOS TO DRILLING OFERSTORS.
- THE EXISTING EXPRISED TO THE WELL PAD SHALL HAVE THE NOUNTAINE BERMS REPAIRED AS NEVERTABLY TO PROTOST 100% CONTAINMENT OF ALL FLUTES PRIOR TO DIRELEGY OPERATIONS

ELDON WELL PAD & WATER CONTAINMENT PAD AS-BUILT EROSION & SEDIMENT CONTROL IMPROVEMENT PLAN

ELLSWORTH DISTRICT, TYLER COUNTY, WV BUFFALO RUN-MIDDLE ISLAND CREEK WATERSHED

USGS 7.5 MIDDLEBOURNE, & PADEN CITY QUAD MAPS



WEST VIRGINIA COUNTY MAP · - SITE

PROT. TO SCALED AS HULL CERTIFICATIONS
THE DRAWINGS CONSTRUCTION AND REFERENCE DRAGAMM ATTACHED MERCH HAVE
BEEN PREPARED IN ACCORDANCE WITH THE
WEST VINCINIA CORE OF STATE ALLES DEVISION
OF ENVIRONMENTAL PROFESTION, OFFICE OF UNIT. OF ENVIRONMENTAL PROTECTION AND GAS CITES 35-0

REPRODUCTION NOTE

THE PART OF THE PA



MISS Utility of West Virginia West Virginia State Law (Section XIV: Chapter 24-C) Requires that you call two business days before you dig in the state of West Virginia IT'S THE LAW!!

1-5-22

SHEET INDEX

COVER SHIPT

- LIGHTS

- COVERAL PLON SHEET INDICA

- OVERALL PLON SHEET INDICA

- OLD PAGE BOAD AS BUILD PLON

- THE PAGE BOAD AS BUILD PROFILES

- B - ACCESS BOAD AS BUILD PROFILES

O WILL PAGE SHOCKYRE AS BUILD SECTIONS

SCHOOL LIMITS OF CHETSHER AND AN	of the first
Total Site	
Accest Road "A" (2,053)	7.26
Access Road B* (1477)	5.21
Staging Area	D 80
Well Part	12.63
Excess/Topsoit Material Stockpiles	\$ 67
Total Affected Area	35.0
Total Weigded Agres Disturbed	4.00
Impacts to Eldun J. Helman TM 13	146
Access Road "A" (1 635")	5.00
Access Road 'B" (1.477)	2.75
Staging Area	0.63
Excess/Topsoi/Material Stockplars	1.75
Total Affected Area	10.3
Total Wooded Acres Disturbed	1.78
Impacts to Eldon J. Halman This	1-1
Access Road "E"	1 98
Total Affected Area	1,98
Total Wooded Acres Disturbed	0.11
impacts to Eldon J. Halman TIA t	9.1
Arcess Road "A" (718)	2.28
Access Road*B*	0.48
Wet Part	12.65
specifique Materia Stroughts	7.32
Total Affected Area	12.7
Total Wooded Agree Disturbed	2.13

FLOON WETLAND IMPACT (SQUARE FEST)				
Wettend and Impact Cause	Total impact (AC)			
Austana 7 (FFM) (Access Road)	493	493	0.01	
Wetland I (PSS) (Access Road)	: 673	1,673	0.04	
Waterd 4 (PEM) (Acress Road)	1900	1.500	234	

	Perma	ment impacts	Temp. Impacts	Lead District	Total Impact
Streem and Impact Cause	Colvert (FIII (LF)	Structures (LF)	Controls (LF)	LOD (LF)	(1.7)
Synam 12 (Agress Road)	29	11	0		37
Speam 13 (Augusts Hoad)	38	15	15	17.	- 68
Steam '4 (Access Boad)	43	14	9	5	166
ELD	ONPEREN	WAL STREAM	PACT CHEARFE		
	Perme	resert frequents	Tump. Impacts	Tempi Diaburta	Total Impact
Stream and Impact Course	Culvert (Sid (LE)	Structures (LF)	Contentami EAS	LOD (LF)	(LF)

ELDON EXTERNITTENT STREAM HET AGT (LINEAR PEET)

Street TD (Access Road)	275	15	25	0	315
ELD	ON FPHEME	RAL STREAM IN	BPACT ILINEAR F	EED	
			Tany, Impacts		Total Impact
Streem and Impact Cause		Structures (LP)	Controls (LF)	L.O.D. (LF)	(LF)
Stream 14 (Applete Road)	40	47	O.	0	87

THE SAME	PRINTED	MATERIAL STATES	Orn mean and	code of the World
	50 305704 (1	1 a T 16-24-25 1754 -	19 437 550 41	LAT 31-20-35 40 14
AFIS 67-093-02525	E 1198500 34	LONG MARLIN OFFI	6 M09043 CB	1,0mg 46-57-07-4678
Eutorado Unit 25 (Dniled)	N SARTIN SI	EAT 98:25:30 24 C	H 4 67 - 14 - 152	LAT 19-29-30 5211
APRI 42 015-025A2	# + tapped +#	40NG 12 ST 27.9124	6 SCHOOL 21	CONT. MO 67-27 8004
Kidon Unit No. (Permitted)	N 385182 34	£AT 30-29-39-3160	N 42772543394	LAT SEASON TAIL
However d to Davets 9H	1 1560633 AL	1000 JAM 27 1932	E 303051 27	LONG 60 87-27 1990
Day to Unit 24 (Drilling)	4 505 900 30	TAT MADE ON THE	N 6271546.05	CAT 18 (N-36 YEA?
Mar 47 048 (DSB)	C I SSBOAR ED	SCRU Medical sine	to makes as	LIGHTS #81-57-79, WIRE
Phonebier Unit 24 (Pagert te d)	4 300170 81	LAT TARK NUMBER	PHART SANT	LAT 29 25-36 7356
AF NO 47 495-02530	E + SEARCH D CO	LONG-BLET QT 400	Sentena 21	HONG ABOUT ARE THE
Fainer Unit 194 (Permitte-2)	// Sesses 48	LAT 10-70-00-8344	IN #37151m #9	LAT 98-75-06 6104
APM AT DOG COASE	19.1505075.14	1,290 (8,67.47.268)	STATE OF THE PARTY	GR 01 (656) 1953.1
	4 361191 51	LAT 29 29-36 8182	N 4331502 3F	LAT 39 29 36 08.21
Dien side	9 /569/90 DK	LONG 40-51-0134	E 50087 28	CONTRACTOR NO
Clumer	N SHITTS BC	LAT 15-26-31 0193	19 #2215896-50	UAT 10 29 3 17604
Unit 1H	\$ PERMIT	1/290 (#EST221390)	EE 10031'87 BU	COMP HIST TAKE
Clutter	N 2012/0 64	LAT 1629 N 969	SV4371365-91	LAX 98 30 RT 2457
Dot 21	E 168000 DE	12903-R01-21998	R 365(91.92)	LC193 MI Q1 2434
Pagetors	N 369011-08	LAT 24-29-38 9159	PARTITION .	LAT 35-29-37 1997
Edealt 174	E +985+15 14	COND-MARCH 5131	8 1957 W. 24	1040-994131 903
Pressus Unit 191	N.380249.10	CAT 39 29 30 ATEL	Ph-E3719899 At .	(A1 38-28-37 1983
(Propies d)	E +380194.40	FORG 104151 RD4	N DESCRIPTION	CHO WHY STREET
Eniger Det 1ix	N 2012/04 61	A1,8125-8-320	9.4371598.36	FRA WESSELL STAN
(Properties)	E 1369 CH 23	FOND - MIN, 51 5421	E SCHOOL RV	1210 WAY 31 YES
Eniger	N 565 (SA ET.	LAT 19-79-95 710H	PE NOTABLE NO.	CAT 28-25-37 GAR
Link SH.	E 1560 15,7 28	LDNO 40-67-01-1129	£ 200905 VF	1093 894139302

S NG ENGINEERI A ENERGY



THE DECLINATE THE PREPARED FOR ANTERS RESOURCES

PAD & WATER CONTAINMENT ELLSWORTH DISTRICT COVEIL SHEET ELDON PAD



DATE 10/23/2020 EALL AS SHOWN

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