

#### 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, September 11, 2023 WELL WORK PERMIT Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET

DENVER, CO 80202

Re:

Permit approval for HOLTZ UNIT 1H

47-017-06962-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

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

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

Operator's Well Number: HOLTZ UNIT 1H

Farm Name: ANTERO RESOURCES CORP

U.S. WELL NUMBER: 47-017-06962-00-00

Horizontal 6A New Drill

Date Issued: 9/11/2023

Promoting a healthy environment.

API Number:	47-017-06962
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#### PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

#### **CONDITIONS**

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

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

1) Well Operator: Antero Resources Corporal 494507062 017-Doddrid W. Union West Union 7.5'
Operator ID County District Quadrangle
2) Operator's Well Number: Holtz Unit 1H Well Pad Name: Genevieve Pad
3) Farm Name/Surface Owner: Antero Resources Corporation Public Road Access: WV Route 18 N
4) Elevation, current ground: 886' / Elevation, proposed post-construction:
5) Well Type (a) Gas X Oil Underground Storage
Other
(b)If Gas Shallow X Deep
Horizontal X
6) Existing Pad: Yes or No Yes /
7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  Marcellus Shale: 7000' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2800#
8) Proposed Total Vertical Depth: 7000' TVD /
9) Formation at Total Vertical Depth: Marcellus
10) Proposed Total Measured Depth: 7500' MD
11) Proposed Horizontal Leg Length: 500'
12) Approximate Fresh Water Strata Depths: 308', 521'
13) Method to Determine Fresh Water Depths: 47-017-02319
14) Approximate Saltwater Depths: 1468'
15) Approximate Coal Seam Depths: None Identified
16) Approximate Depth to Possible Void (coal mine, karst, other): None Anticipated
17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine?  Yes No _X
(a) If Yes, provide Mine Info: Name:
Depth:
Seam:
Owner:
AUG OII AND
Seam: Office AECE Owner:  AUG 2 1 2023  Environmental Period Peri

Page 1 of 3

API NO. 47- 017

OPERATOR WELL NO. Holtz Unit 1H
Well Pad Name: Genevieve Pad

18)

#### **CASING AND TUBING PROGRAM**

TYPE		New					T
	Size (in)	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#	571'	571'	CTS, 595 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	2500'	2500'	CTS, 1018 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P-110	23#	7500'	7500' /	CTS, 962 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/L	~1.18
Fresh Water	13-3/8"	17-1/2"	0.38"	2730	1000	Class A/L	~1.18
Coal	9-5/8"	12-1/4"	0.352"	3520	1500	Class A/L	~1.18
Intermediate					, , , ,	0.0.007.02	1.10
Production	5-1/2"	8-3/4" & 8-1/2"	0.415"	12,630	2500	Class G/H	~1.8
Tubing	2-3/8"	4.778"	0.19"	11,200	2 2 2		1.0
Liners				,			

#### **PACKERS**

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

Office of Oil and Case
ANG P. 1013
ANG Properties of the Child and Case

De 08/18/2023

Page 2 of 3

API NO. 47- 017			
<b>OPERATOR WE</b>	LL NO.	Holtz Unit 1H	
Well Pad Name	: Gene	vieve Pad	

<ol><li>Describe proposed well work, including the drilling and plugging b</li></ol>	ack of any pilot no	ole:
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Drill, perforate, fracture a new vertical shallow well and complete Marcellus 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): 24.86 acres
- 22) Area to be disturbed for well pad only, less access road (acres): 7.69 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/L cement.

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

Production: Lead cement- 50/50 Class H/Poz + 1.5% salt + 1% C-45 + 0.5% C-16a + 0.2% C-12 + 0.45% C-20 + 0.05% C-5

Production: Tail cement- Class H + 45 PPS Calcium Carbonate + 1.0% FL-160 + 0.2% ACGB-47 + 0.05% ACSA-51 + 0.2% A

#### 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.

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09/15/2023

WW-9 (4/16)

API Number 47 - 017 - Operator's Well No. Holtz 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) Headwaters Middle Island Creek Quadrangle West Union 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. 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 WV0109410 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.
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.  Surface -Air/Freshwater, Intermediate - Dust/Stiff Foam, Production - Water Based Mud
-If oil based, what type? Synthetic, petroleum, etc. Synthetic
Additives to be used in drilling medium? Please See Attachment
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etcDrill 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 (Typed Name) Gretchen Kohler
Company Official Title Director of Environmental & Regulatory Compliance
Subscribed and sworn before me this
Subscribed and sworn before me this

Intere Descures Com	oration	500 A 050 440 500 50	Vell No. Holtz Unit 1H
Intero Resources Corpo			
roposed Revegetation Treatment:			I
Lime 2-4 T	ons/acre or to correct to pl	H 0.3	
	TO TOO TOO THE OF THE	A TIMES OF PROCESSING	
Fertilizer amount 500	1	lbs/acre	
Mulch 2-3  Main Access Road (8.20 acres)+Well Pr	Tons ad(7.69 acres) +AST Pad Access Roa	vacre d(1.32 acres)+AST Pad (3.31 acres)+Topsoil(3.43 acr	es)+ Spoil Pile(0.91 acres) =24.86 Ac
	Se	ed Mixtures	
Tempors	nry	Perma	nent
Seed Type	lbs/acre	Seed Type	lbs/acre
Annual Ryegrass	40	Crownvetch	10-15
Field Bromegrass	40	Tall Fescue/Perennial Ryegrass	30 / 20
See attached Table IV-3 for additional seed to	ype (Genevieve Pad Design)	See attached Table IV-4A for additional s	seed type (Genevieve Pad Design)
or type of grass seed request	ted by surface owner	*or type of grass seed reque	ested by surface owner
creage, of the land application area thotocopied section of involved 7.5	a.	dimensions (E. x. w. x. D) of the pit, and	d dimensions (L x W), and
thotocopied section of involved 7	a, 5' topographic sheet.		d dimensions (L x W), and
thotocopied section of involved 7.5	a.		d dimensions (L x W), and
thotocopied section of involved 7	a, 5' topographic sheet.		d dimensions (L x W), and
thotocopied section of involved 7	a, 5' topographic sheet.		d dimensions (L x W), and
hotocopied section of involved 7	a, 5' topographic sheet.		d dimensions (L x W), and
thotocopied section of involved 7	a, 5' topographic sheet.		d dimensions (L x W), and
thotocopied section of involved 7	a, 5' topographic sheet.		d dimensions (L x W), and
thotocopied section of involved 7	a, 5' topographic sheet.		d dimensions (L x W), and
thotocopied section of involved 7.5	a, 5' topographic sheet.		
thotocopied section of involved 7.5	a, 5' topographic sheet.		
Comments:  Citle: 20G Ingles  Cield Reviewed?	a, 5' topographic sheet.		
Comments:  Citle: 20G Ingles  Cield Reviewed?	a, 5' topographic sheet.		
Comments:  Citle: 20G Ingles  Cield Reviewed?	a, 5' topographic sheet.		
Comments:  Citle: OG Ingles  Citle: OG Ingles  Citle: OG Ingles  Citle: Of Oil NED  Comments:	a, 5' topographic sheet.		
thotocopied section of involved 7.5	a, 5' topographic sheet.		



911 Address 2017 WV RT 18 N West Union, WV 26456

### Well Site Safety Plan Antero Resources

Well Name:

Dixie Unit 1H & 2H, Holtz Unit 1H & 2H,

Lyle Unit 1H & 2H

Pad Location: GENEVIEVE PAD

Doddridge County/West Union District

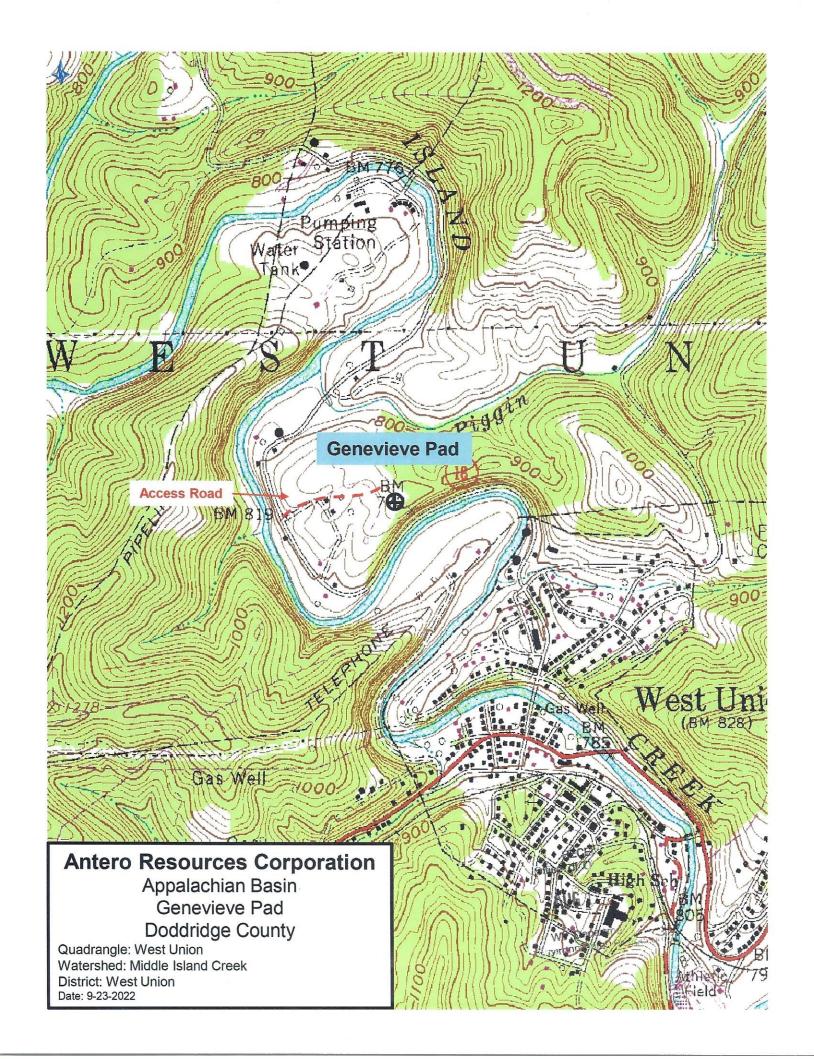
**GPS Coordinates:** 

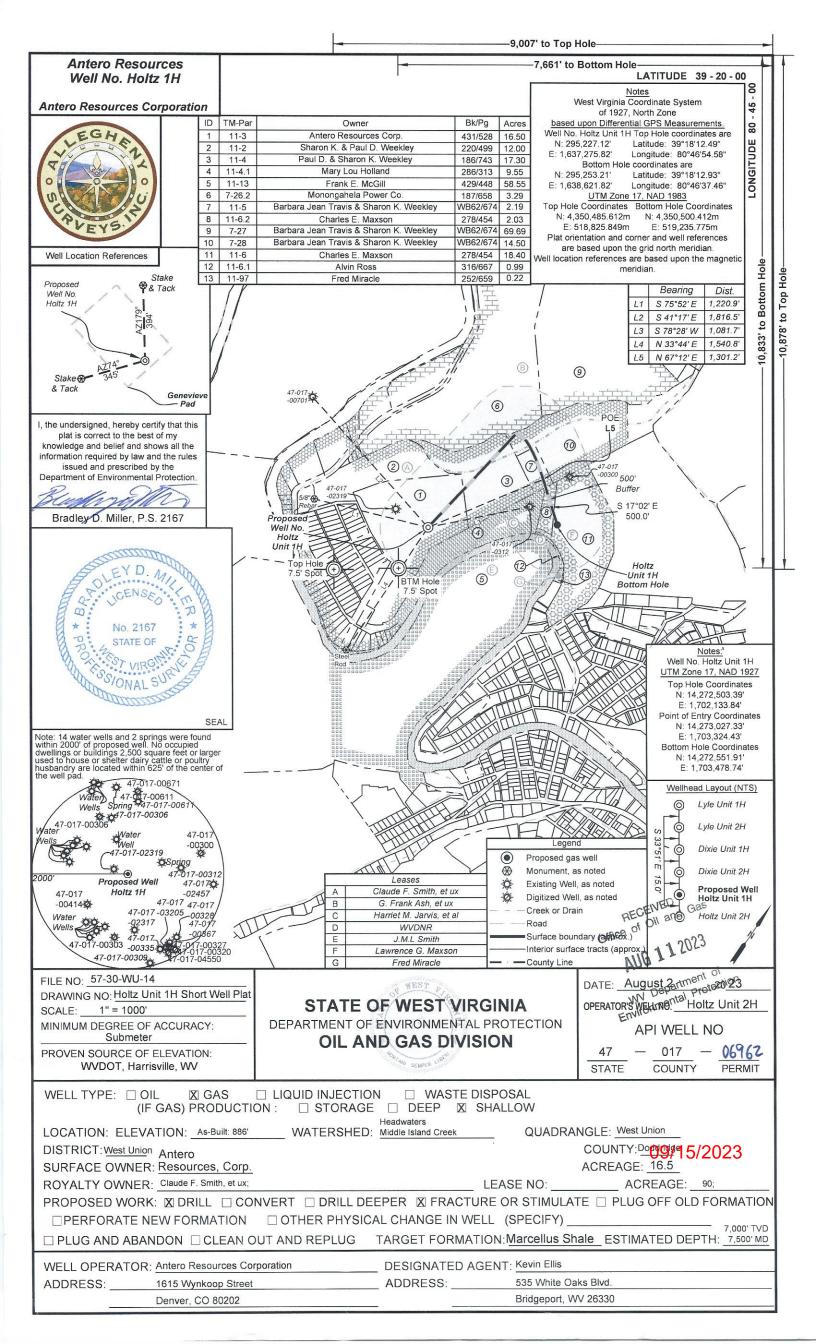
**Entrance -** Lat 39.302526 / Long -80.785822 (NAD83) Pad Center - Lat 39.303788/Long -80.781830 (NAD83)

**Driving Directions:** From US-50, Turn south onto Smithburg RD and travel 0.2 Miles. Turn right onto Smithton Rd and continue 3.4 miles. Continue straight onto WV-18 and travel for 0.5 miles. Turn right to stay on WV-18 and travel for 1.0 mile. The Genevieve lease road is on the right.

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

08/11/2025





Operator's Well Number

Holtz 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. Clauda F. Smith about Land			
A: Claude F. Smith, et ux Lease		. 70	404/704
Claude F. Smith	Key Oil Company	1/8	104/704
Key Oil Company	XOIL Drilling Partners LP	Assignment	105/566
XOIL Drilling Partners LP	XPLOR Corporation	Assignment	146/649
XPLOR Corporation	Venus Exploration	Merge	WV SOS
Venus Exploration Inc	Allegheny Interests Inc	Assignment	184/512
Allegheny Interests Inc	Rubin Resources Inc	Assignment	187/685
Rubin Resources Inc	Petro Edge Energy LLC	Assignment	230/666
Petro Edge Energy LLC	Statoil USA Onshore Properties Inc	Assignment	285/71
Statoil USA Onshore Properties Inc	EQT Production Company	Assignment	428/356
<b>EQT Production Company</b>	Antero Resources Corporation	Agreement	385/268
C: Harriet M. Jarvis, et al Lease			
Harriet M. Jarvis	Robert L. Holland	1/8	62/299
Robert L. Holland	H & H Oil Company	Name Change	2/467
H & H Oil Company	Midwest Energy, Inc	Assignment	268/600
Midwest Energy, Inc	Antero Resources Corporation	Assignment	520/94



\*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.

WW-6A1 (5/13)

Operator's Well No.	Holtz Unit 1H
Operator's Well No.	HOITZ UNIT TH

#### INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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

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

Lease Name or				
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
F: Lawrence G. Maxson Lease				
	Lawrence G. Maxson	Petroleum Services, Inc.	1/8	108/535
	Petroleum Services Inc	S & K Land Company	Assignment	110/288
	S & K Land Company	Gene Stalnaker	Assignment	112/281
	Gene Stalnaker	Angus Energy Inc	Assignment	166/372
	Angus Energy Inc	Stalnaker Energy Corporation	Name Change	WV SOS
	Stalnaker Energy Corporation	Antero Resources Corporation	Assignment	479/372

#### 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: RECEIVED of Oil and Gas

- 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

AUG 112023 unent of ELIVILOTHIERITAL Protection

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

Well Operator: Antero Resources Corporation		
Tim Rady Cook		
Senior Vice President of Land		

Page 1 of 1



July 31, 2023

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 57<sup>th</sup> Street SE Charleston, WV 25304

RE:

Holtz Unit 1H - 2H

Quadrangle: West Union 7.5'

Doddridge County/West Union District, West Virginia

Mr. Martin:

Antero Resources Corporation (Antero) is submitting the following application for a new well work permits for the Holtz Unit 1H - 2H horizontal shallow wells. 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 Holtz Unit 1H - 2H horizontal laterals will drill through including any and all roads crossed under as identified on the attached survey plat.

Sincerely,

Tyler Adams Senior Landman

AUG 11 2023

WV Department of Environmental Protection

WW-PN (11-18-2015)

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

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N	OTICA	16	hereby	olven.
7.4	ULILL	4.3	HULLUNY	CITCIA.

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

Paper: Doddridge Independent	
Public Notice Date: 06/23/2023 & 06/30/2023	
The following applicant intends to apply for a law surface excluding pipelines, gathering lines and any thirty day period.	norizontal natural well work permit which disturbs three acres or more of roads or utilizes more than two hundred ten thousand gallons of water in
Applicant: Antero Resources Corporation	Well Number: Holtz Unit 1H
Address:1615 Wynkoop St. Denver, CO 802	02
Business Conducted: Natural gas production	
Location –	
State: West Virginia District: West Union	County: Doddridge West Union 7.5'
UTM Coordinate NAD83 Northing:	4350486m
UTM coordinate NAD83 Easting:	518826m
Watershed: Headwaters Middle Island Cr	eek 🕜

#### **Coordinate Conversion:**

To convert the coordinates above into longitude and latitude, visit: <a href="http://tagis.dep.wv.gov/convert/llutm\_conus.php">http://tagis.dep.wv.gov/convert/llutm\_conus.php</a>

#### **Electronic notification:**

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

Reviewing Applications:

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

**Submitting Comments:** 

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

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

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

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

Date of Notic	e Certification: 08/08/2023		No. 47- 017		
			ator's Well N		
		Well	Pad Name: _	Genevieve Pad	
Notice has b	een given:			- 642 ADMAND DONAR	
Pursuant to th	e provisions in West Virginia Code §	22-6A, the Operator has provided	the required pa	arties with the	e Notice Forms listed
	tract of land as follows:				
State:	West Virginia	UTM NAD 83 Easti			
County:	Doddridge	Nort	hing: 4350485		
District:	West Union	Public Road Access:	WV Rou	***	
Quadrangle:	West Union 7.5'	Generally used farm na	ame: Antero N	lidstream, LLC	
Watershed:	Headwaters Middle Island Creek				
prescribed by it has provide information re of giving the requirements Virginia Code	West Virginia Code § 22-6A-7(b), et the secretary, shall be verified and shed the owners of the surface describequired by subsections (b) and (c), sec surface owner notice of entry to sur of subsection (b), section sixteen of et § 22-6A-11(b), the applicant shall te have been completed by the applicant	all contain the following informaticed in subdivisions (1), (2) and (4 ction sixteen of this article; (ii) that vey pursuant to subsection (a), so this article were waived in writing and proof of and certify to the sec	ion: (14) A cer ), subsection ( the requirement ection ten of the ng by the surf	tification from (b), section to that was deement his article six face owner;	m the operator that (1) en of this article, the ed satisfied as a result (3-a; or (iii) the notice and Pursuant to West
that the Ope	West Virginia Code § 22-6A, the Operator has properly served the required ECK ALL THAT APPLY	erator has attached proof to this N l parties with the following:	otice Certificat		OG OFFICE USE
☐ 1. NO	TICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED SEISMIC ACTIVITY WAS CO			RECEIVED/ NOT REQUIRED
□ 2. NO	TICE OF ENTRY FOR PLAT SURV	EY or 🔳 NO PLAT SURVEY V	VAS CONDUC	CTED	RECEIVED
■ 3. NO	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIRED NOTICE OF ENTRY FOR PLATWAS CONDUCTED or		The second	RECEIVED/ NOT REQUIRED
		WRITTEN WAIVER BY S (PLEASE ATTACH)		NER	
■ 4. NO	TICE OF PLANNED OPERATION	(PLEASE ATTACH)  RECENTED  Office of Oil and	203		RECEIVED
■ 5. PU	BLIC NOTICE	Office of On	Mrs		RECEIVED
■ 6. NO	TICE OF APPLICATION	Who Debe	ntment of tall protection tal		RECEIVED
		EUAILO	The state of the s		

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	Jon McEvers , have	e read and understand	the notice requirements within West Virginia Code § 22-
6A. I certify that	t as required under West Virginia Co	de § 22-6A, I have se	erved the attached copies of the Notice Forms, identified
			or by any method of delivery that requires a receipt or
signature confirm	nation. I certify under penalty of law t	that I have personally	examined and am familiar with the information submitted
in this Notice C	ertification and all attachments, and	l that based on my i	nquiry of those individuals immediately responsible for
obtaining the inf	ormation, I believe that the informatio	n is true, accurate and	d complete. I am aware that there are significant penalties
for submitting fa	lse information, including the possibili	ity of fine and impriso	nment.
Well Operator:	Antero Resources Corporation	Address:	1615 Wynkoop Street
By:	Jon McEvers M // > U	eis	Denver, CO 80202
Its:	Senior VP of Operations	Facsimile:	303-357-7373
Telephone:	303-357-6799	Email:	cmarvel@anteroresources.com
	/		
No	NOTARY SEAL  RLY RAYNE MARVEL Notary Public State of Colorado tary ID # 20224038743 mission Expires 10-05-2026	Subscribed and swo	orn before me this 7 day of AUGUST 2023.  While Mary Public Repires 10-5-2021

#### 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 <a href="mailto:deprivacyofficer@wv.gov">deprivacyofficer@wv.gov</a>.

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AUG 1 1 2023

WV Department of Environmental Protection

WW-6A (9-13) API NO. 47-017 7 0 6 9 6 2
OPERATOR WELL NO. Holtz Unit 1H
Well Pad Name: Genevieve Pad

### 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: 6/21/2023 Date Permit Application Filed: 8/9/2023 Notice of: ✓ PERMIT FOR ANY □ CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT WELL WORK Delivery method pursuant to West Virginia Code § 22-6A-10(b) ☑ METHOD OF DELIVERY THAT REQUIRES A ☐ REGISTERED PERSONAL RECEIPT OR SIGNATURE CONFIRMATION MAIL **SERVICE** 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: COAL OWNER OR LESSEE ☑ SURFACE OWNER(s) Name: NO DECLARATIONS ON RECORD WITH COUNTY Name: Antero Resources Corporation Address: Address: 535 White Oaks Blvd Bridgeport, WV 26330 Name: NO DECLARATIONS ON REGERAL MATTERS COAL OPERATOR Name: Address: ■ SURFACE OWNER(s) (Road and/or Other Disturbance) WATER PURVEYOR(s)/OWNER(S) WATER WELL, SPRING OR OTHER WATER SUPPLY SOURCE OF Address: Deba Environmental Name: PLEASE SEE ATTACHMENT Address: Name: Address: □ OPERATOR OF ANY NATURAL GAS STORAGE FIELD ☐ SURFACE OWNER(s) (Impoundments or Pits) Name: Address: Name: Address: \*Please attach additional forms if necessary

WW-6A (8-13)

OPERATOR WELL NO. Holtz Unit 1H

Well Pad Name: Genevieve 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 <a href="https://www.dep.wv.gov/oil-and-gas/pages/default.aspx">www.dep.wv.gov/oil-and-gas/pages/default.aspx</a>. MR 11 2023

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. 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. 477010 1706962

OPERATOR WELL NO. Holtz Unit 1H

Well Pad Name: Genevieve 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 things 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: My Debatment of Environmental Protection

Chief, Office of Oil and Gas Department of Environmental Protection 601 57<sup>th</sup> 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 to test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WW-6A (8-13)

701706962 OPERATOR WELL NO. Holtz Unit 1H

Well Pad Name: Genevieve 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 <a href="http://www.dep.wv.gov/oil-and-gas/Horizontal-">http://www.dep.wv.gov/oil-and-gas/Horizontal-</a> 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

- (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.

09/15/2023

AUG II 2023

WV Department of Environmental Protection

WW-6A
(8-13)

01706962

API NO. 47 OPERATOR WELL NO. Holtz Unit 1H Well Pad Name: Genevieve Pad

Notice is hereby given by:

Well Operator: Antero Resources Go

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 7 day of Aug., 2023.

Carly Rayve Marvel Notary Public

My Commission Expires 10-5-2021

ANC 11506 WV Departn 200 (60 mich WW-6A4 (1/12) Operator Well No. 7 0 6 9 6 2

## 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 Re Date of Notice:	quirement: Notice shall be provided at least T 06/21/2023 Date Permit A	EN (10) days prior to filing a populication Filed:08/09/2023	permit application.
Delivery method	d pursuant to West Virginia Code § 22-6A-1	6(b)	
☐ HAND	CERTIFIED MAIL		
DELIVERY		ED	
receipt requested drilling a horizo of this subsection subsection may	Va. Code § 22-6A-16(b), at least ten days prior or hand delivery, give the surface owner notion national well: <i>Provided</i> , That notice given pursuan as of the date the notice was provided to the sewaived in writing by the surface owner. The facsimile number and electronic mail address of	ce of its intent to enter upon the nt to subsection (a), section tensurface owner: <i>Provided</i> , how enotice, if required, shall included.	e surface owner's land for the purpose of n of this article satisfies the requirements ever, That the notice requirements of this ade the name, address, telephone number,
	by provided to the SURFACE OWNER(		
Name: Antero Reso		Name:	
Address: 535 White		Address:	
Bridgeport, W	V 26330		
the surface ownerstate:	st Virginia Code § 22-6A-16(b), notice is herel er's land for the purpose of drilling a horizonta Vest Virginia	by given that the undersigned of land as for UTM NAD 83  Easting: Northing:	well operator has an intent to enter upon llows: 518811m 4350512m
_	Oddridge	Public Road Access:	Route 18 N
	Vest Union Vest Union 7.5'	Generally used farm name:	Antero Resources
ZumminiBit.	leadwaters Middle Island Creek	Generally used farm name.	
This Notice Signature Pursuant to We facsimile number related to horizon	hall Include: est Virginia Code § 22-6A-16(b), this notice er and electronic mail address of the operato ontal drilling may be obtained from the Secre 7 <sup>th</sup> Street, SE, Charleston, WV 25304 (304-92)	r and the operator's authorize tary, at the WV Department o	ed representative. Additional information f Environmental Protection headquarters,
Notice is here	by given by:		A P
	Antero Resources Corporation	Authorized Representative:	14.6. 0
Address:	1615 Wynkoop St.	Address:	1615 Wynkoop
	Denver, CO 80202		Denver, CO. 60202 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Telephone:	303-357-7182	Telephone:	303-357-7182
Email:	mturco@anteroresources.com	Email:	mturco@anteroresources.com
Facsimile:	303-357-7315	Facsimile:	303-357-7315
011 101	Not as ass Blades		and the

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 <a href="mailto:depprivacyofficer@wv.gov">depprivacyofficer@wv.gov</a>.

WW-6A5 (1/12)

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

Date of No	otice: C	later than the filing plication Filed:	g date of permit	application.
Delivery n	nethod pursuant to West Virginia Code § 2	2-6A-16(c)		
		HAND DELIVERY		
the planned required to drilling of damages to	b W. Va. Code § 22-6A-16(c), no later than introduced or hand delivery, give the surfact dispersion. The notice required by this subsection (b), section ten of a horizontal well; and (3) A proposed surfact the surface affected by oil and gas operations ices required by this section shall be given to	ce owner whose lar bsection shall inclu this article to a sur ce use and comper s to the extent the d	d will be used for ide: (1) A copy face owner whos sation agreement amages are com-	or the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter
(at the addr Name: Anter Address: 53	ereby provided to the SURFACE OWNER ress listed in the records of the sheriff at the tip o Resources Corporation 35 White Oaks Blvd	ne of notice): Name: Addres		
Bridgeport, W	/ 26330			
Pursuant to	West Virginia Code § 22-6A-16(c), notice is on the surface owner's land for the purpose of West Virginia  Doddridge  West Union  West Union 7.5'	f drilling a horizont  UTM NAD  Public Road	al well on the tra Easting: Northing:	well operator has developed a planned ct of land as follows:  518825.850m  4350485.611m  WV Route 18 N  Antero Midstream, LLC
Watershed:			ed farm name.	Altero Midsilealli, LEO
Pursuant to to be provi horizontal v surface affe information headquarter	West Virginia Code § 22-6A-16(c), this noticed by W. Va. Code § 22-6A-10(b) to a survell; and (3) A proposed surface use and connected by oil and gas operations to the extent a related to horizontal drilling may be obtain as, located at 601 57th Street, SE, Charles efault.aspx.	reface owner whos appensation agreement the damages are coned from the Secre-	e land will be un ent containing an ompensable und	ased in conjunction with the drilling of a offer of compensation for damages to the er article six-b of this chapter. Additional
Well Opera	tor: Antero Resources Corporation	Address:	1615 Wynkoop Stree	et
Telephone:	303-357-7373		Denver, CO 80202	
Email:	cmarvel@anteroresources.com	Facsimile:	303-357-7310	
The Office duties. You	s Privacy Notice: of Oil and Gas processes your personal inform r personal information may be disclosed to comply with statutory or regulatory requir ly secure your personal information. If you h f Privacy Officer at depprivacyofficer@wv.go	other State agenci	es or third nartie	ec in the normal source of business or as

01706962 OPERATOR WELL NO. Holtz Unit 1H Well Pad Name: Genevieve 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 , hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through , including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows: State: West Virginia Easting: 518825.850m UTM NAD 83 County: Doddridge Northing: 4350485.611m District: West Union Public Road Access: WV Route 18 N Quadrangle: West Union 7.5 Generally used farm name: Antero Resources Corporation Watershed: Headwaters Middle Island Creek I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being

issued on those materials.

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BY A CORPORATION, ETC.  O PASSUECES CORPORAT
BY A NATURAL PERSON

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as many 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 of Fequests. 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.



#### WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

### **Division of Highways**

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

1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

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

August 22, 2023

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 Genevieve Pad, Doddridge County Holtz Unit 1H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #04-2019-0087 which has been issued to Antero Resources for access to the State Road for a well site located off West Virginia Route 18 F, MP 20.83.

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,

Gary K. Clayton, P.E.

Regional Operations Engineer Central Office O&G Coordinator

Jan K. Clayton

Carly Marvel Cc:

Antero Resources

OM, D-4 File

OPERATOR:_	Antero Resources Corp.	WELL NO: Holtz Unit 1H
PAD NAME:_	Genevieve Pad	
REVIEWED B	Y: Mallory Turco	SIGNATURE: MM M

#### WELL RESTRICTIONS CHECKLIST

#### HORIZONTAL 6A WELL

Well Restrictions
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
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
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
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
DEP Variance and Permit Conditions
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
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
Surface Owner Waiver and Recorded with County Clerk, OR The County of the County Clerk, OR The County of the County Clerk, OR The County of the County Clerk, OR The County Clerk, OR The County of the County Clerk, OR Th
Surface Owner Waiver and Recorded with County Clerk, OR No. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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