

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 DIXIE UNIT 2H 47-017-06959-00-00

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: DIXIE UNIT 2H

Farm Name: ANTERO RESOURCES CORP

U.S. WELL NUMBER: 47-017-06959-00-00

Horizontal 6A New Drill

Date Issued: 9/11/2023

API Number:	
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

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

API NO. 47-017 -			
OPERATOR WELL	NO.	Dixie Unit 2H	1
Well Pad Name:	Genev	ieve Pad	

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: Dixie Unit 2H 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:
Office AECEIL Seam:
AUG and Owner:
Depth: Office PECEINED Owner: Finite Of CEINED Owner: Owner: Depth: Seam: Owner:
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OE 08/18/2023

OPERATOR WELL NO. Dixie Unit 2H
Well Pad Name: Genevieve Pad

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	H-40	94#	100'	100' /	CTS, 96 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	571'	571'	CTS, 595 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	2500'	2500'	CTS, 1018 Cu. Ft.
Intermediate	- No 1927						594 90 70 800000000000000000000000000000000
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							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			
Liners				,			

PACKERS

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

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Page 2 of 3

API NO. 47-_017 OPERATOR WELL NO. _Dixie Unit 2H
Well Pad Name: _Genevieve Pad

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

Drill, perforate, fracture a new vertical shallow well and complete Marcellus Shale.

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 "Sed for Fracturing or Stimulating Well."

Anticipated Max Pressure - 9300 lbs Anticipated Max Rate - 80 bpm AUG 1 1 2023

WV Department of Environmental Protection

- 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-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 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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WW-9 (4/16)

API Number 47 - 017

Operator's Well No. Dixie Unit 2H STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISP	OSAL & RECLAMATION PLAN
Operator Name Antero Resources Corporation	E-1-1
Watershed (HUC 10) Headwaters Middle Island Creek	OP Code 494507062 Quadrangle West Union 7.5'
Do you anticipate using more than 5,000 bbls of water to compl	
Will a pit be used? Yes No	
Proceeding .	sed all 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:	
Reuse (at API Number_Future permitted	Number_*UIC Permit # will be provided on Form WR-34 well locations when applicable. AP# will be provided on Form WR-34 '-9 for disposal location(Meadowfill Landfill Permit #SWF-1032-98) Northwestern Landfill Permit #SWF-1025/
	WV0109410 Wetzel Co Landfill Permit #SWF-1021
Will closed loop system be used? If so, describe: Yes, fluids sto	ored in tanks, cuttings removed offsite and taken to landfill.
Drilling medium anticipated for this well (vertical and horizonta	J)? Air, freshwater, oil based, etc.
-If oil based, what type? Synthetic, petroleum, etc. Synthetic	nthetic
Additives to be used in drilling medium? Please See Attachment	
Drill cuttings disposal method? Leave in pit, landfill, removed of	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 a	
-Landfill or offsite name/permit number? Meadowfill Land	dfill (Permit #SWF-1032-98), Northwestern Landfill (Permit # SWF-1025/WV0109410) Ifill (Permit #SWF-1021)
West Virginia solid waste facility. The notice shall be provided where it was properly disposed.	as of any load of drill cuttings or associated waste rejected at any within 24 hours of rejection and the permittee shall also disclose
provisions of the permit are enforceable by law. Violations of law or regulation can lead to enforcement action. I certify under penalty of law that I have personally application form and all attachments thereto and that, based	onditions of the GENERAL WATER POLLUTION PERMIT issued ginia Department of Environmental Protection. I understand that the any term or condition of the general permit and/or other applicable examined and am familiar with the information submitted on this on my inquiry of those individuals immediately responsible for the, accurate, and complete. I am aware that there are significant ity of fine or imprisonment.
Company Official Signature Gretchen Kohler	
Company Official (Typed Name) Gretchen Kohler	
Company Official Title_ Director of Environmental & Regulatory Co	ompliance .
Subscribed and sworn before me this day of	ANAILIT , 20 23
CARLL MALLON ALGORIAL	
Cherry rayre marker	Notary Public CARLY RAYNE MARVEL
My commission expires 11-5-210	Notary Public State of Colorado
Aug 2 1 20 G_{as}	Notary ID # 20224038743 My Commission Expires 10-05-2
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Why Debalinen of Solection	

Form WW-9 Operator's Well No. Dixie Unit 2H Antero Resources Corporation Proposed Revegetation Treatment: Acres Disturbed 24.86 acres _ Prevegetation pH Tons/acre or to correct to pH 6.5 Fertilizer type Hay or straw or Wood Fiber (will be used where needed) Fertilizer amount_500 lbs/acre Mulch 2-3 Main Access Road (8.20 acres)+Well Pad(7.69 acres)+AST Pad Access Road(1.32 acres)+AST Pad (3.31 acres)+Topsoil(3.43 acres)+ Spoil Pile(0.91 acres) = 24.86 Acres Seed Mixtures Temporary Permanent Seed Type lbs/acre Seed Type lhs/acre Annual Ryegrass 40 Crownvetch 10-15 Field Bromegrass 40 Tall Fescue/Perennial Ryegrass 30 / 20 See attached Table IV-3 for additional seed type (Genevieve Pad Design) See attached Table IV-4A for additional seed type (Genevieve Pad Design) *or type of grass seed requested by surface owner *or type of grass seed requested by surface owner Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area. Photocopied section of involved 7.5' topographic sheet. Plan Approved by: Comments: Date: 08/18/2023 Title: Ob G Inspector Field Reviewed?

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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,

Lvle Unit 1H & 2H

Pad Location: GENEVIEVE PAD

Doddridge County/West Union District

GPS Coordinates:

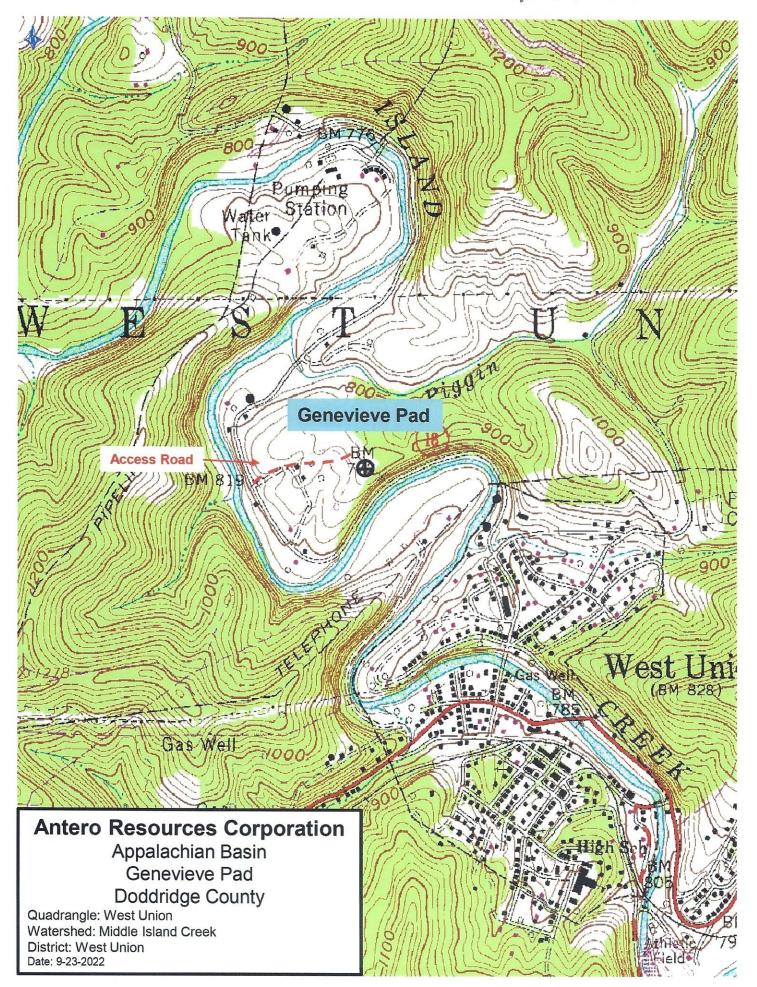
Entrance - Lat 39.302526 / Long -80.785822 (NAD83) Pad Center - Lat 39.303788/Long -80.781830 (NAD83)

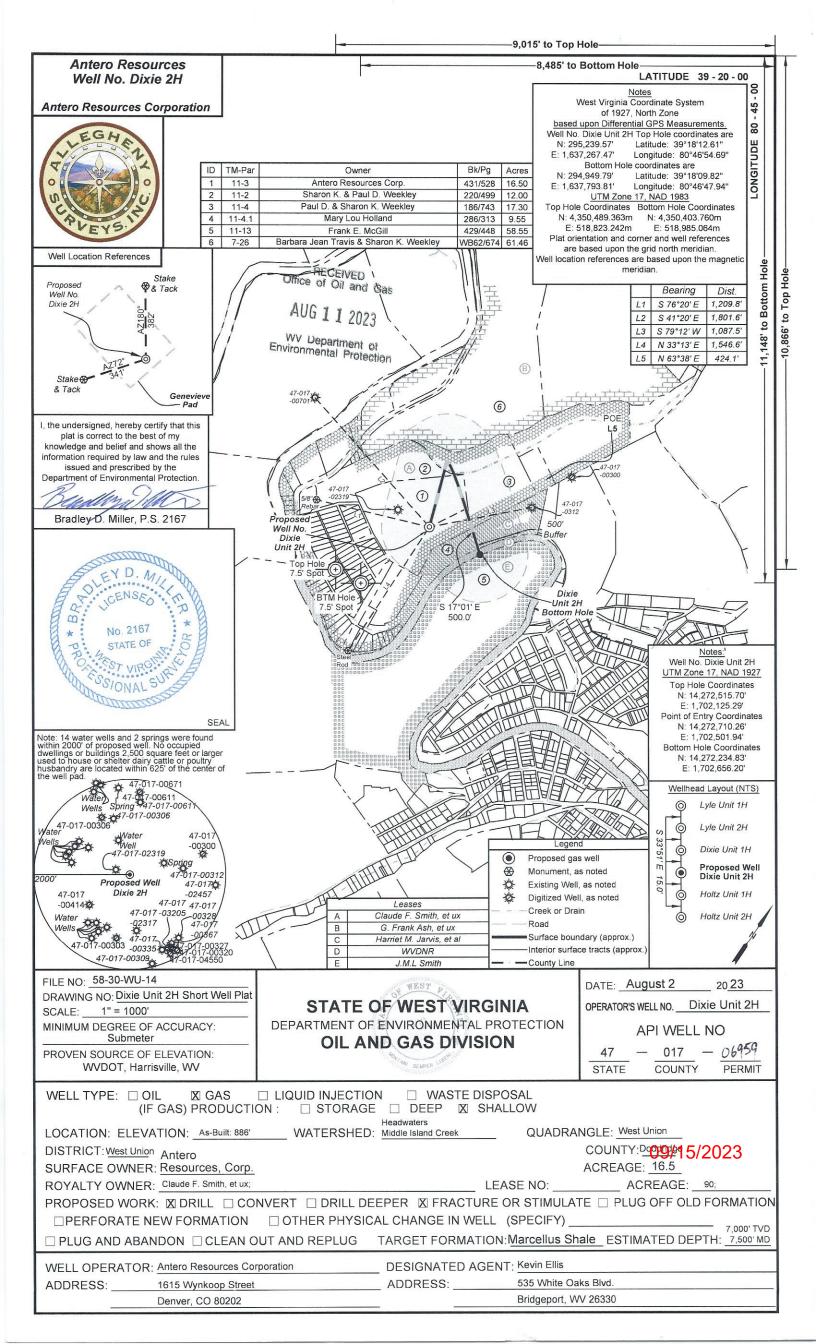
Driving Directions: From US-50, Turn south onto Smithburg RD and travel 0.2 Miles. Turn right onto Smithton Rd and continue 3.4 miles. Continue straight onto WV-18 and travel for 0.5 miles. Turn right to stay on WV-18 and travel for 1.0 mile. The Genevieve lease road is on the right.

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

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Opera	tor's	vvell	Number	

Divie	Unit 2F	
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INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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

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

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
A: Claude F. Smith, et ux Lease Claude F. Smith Key Oil Company XOIL Drilling Partners LP XPLOR Corporation Venus Exploration Inc Allegheny Interests Inc Rubin Resources Inc Petro Edge Energy LLC Statoil USA Onshore Properties Inc EQT Production Company	Key Oil Company XOIL Drilling Partners LP XPLOR Corporation Venus Exploration Allegheny Interests Inc Rubin Resources Inc Petro Edge Energy LLC Statoil USA Onshore Properties Inc EQT Production Company Antero Resources Corporation	1/8 Assignment Assignment Merge Assignment Assignment Assignment Assignment Assignment Assignment Assignment	104/704 105/566 146/649 WV SOS 184/512 187/685 230/666 285/71 428/356 385/268
C: Harriet M. Jarvis, et al Lease Harriet M. Jarvis Robert L. Holland H & H Oil Company Midwest Energy, Inc	Robert L. Holland H & H Oil Company Midwest Energy, Inc Antero Resources Corporation	1/8 Name Change Assignment RECEIVE Assignment Office of Orand Gas AUG 1 1 2003 WV Department of Environmental Protection	62/299 2/467 268/600 520/94

*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.

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(5/13)	

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Operator's Well No.	Dixie	Unit 2H
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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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- (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:

D: WVDNR Lease	WVDNR	Antero Resources Corporation	1/8+	517/553	
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page	

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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.

Antero Resources Corporation	
Tim Rady Ledy	
Senior Vice President of Land	
	Tim Rady Tun Redy

Page 1 of _____



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 57th Street SE Charleston, WV 25304

RE:

Dixie 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 Dixie 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 Dixie 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

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Office of Oil and Gas

AUG 1 1 2023

WV Department of Environmental Protection

Horizontal Natural Gas Well Work Permit Application Notice By Publication

Notice is hereby given:

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	3			
The following applicant intends to apply for a surface excluding pipelines, gathering lines and any thirty day period.	horizontal nat d roads or util	ural well work	x permit which di two hundred ten	isturbs three acres or more of thousand gallons of water in
Applicant: Antero Resources Corporation		Well Num	ber: Dixie Unit 2	2H
Address:1615 Wynkoop St. Denver, CO 802	202			
Business Conducted: Natural gas production	L.	×		Office RECEIVED Of Oil and Gas
Location – State: West Virginia District: West Union		County: Quadrangle:	Doddridge West Union 7.5'	AUG I I 2023 NV Department of Protection
UTM Coordinate NAD83 Northing:	4350489m /			30//
UTM coordinate NAD83 Easting: Watershed: Headwaters Middle Island Ci	518823m			

Coordinate Conversion:

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

Electronic notification:

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

Reviewing Applications:

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

Submitting Comments:

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

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

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	API	No. 47- 017 -	
	- Company Control of C	Oper	ator's Well No. Dixie	Unit 2H
		Well	Pad Name: Genevie	ve Pad
Notice has b	oeen given:		and the second s	
	e provisions in West Virginia Code	22-6A, the Operator has provided	the required parties w	ith the Notice Forms listed
	tract of land as follows:	,	1 1	
State:	West Virginia	Easti	ng: 518823.241m	
County:	Doddridge	UTM NAD 83 North		,
District:	West Union	Public Road Access:	WV Route 18 N	
Quadrangle:	West Union 7.5'	Generally used farm na	ame: Antero Midstream	n, LLC /
Watershed:	Headwaters Middle Island Creek			<u> </u>
Pursuant to V	West Virginia Code § 22-6A-7(b),	every permit application filed und	der this section shall	be on a form as may be
prescribed by	the secretary, shall be verified and s	hall contain the following informati	on: (14) A certification	on from the operator that (i)
	ed the owners of the surface descri			
	equired by subsections (b) and (c), se			
	surface owner notice of entry to su			
	of subsection (b), section sixteen of			
Virginia Code	e § 22-6A-11(b), the applicant shall t	ender proof of and certify to the sec	retary that the notice	requirements of section ten
of this article	have been completed by the applicant	11.		
r .				
	West Virginia Code § 22-6A, the Op		otice Certification	
that the Ope	rator has properly served the require	d parties with the following:		OOG OFFICE HEE
*DI EASE CUI	ECK ALL THAT APPLY			OOG OFFICE USE
·FLEASE CHI	ECK ALL THAT AFFLT			ONLY
\square 1 NO	TICE OF SEISMIC ACTIVITY or	NOTICE NOT REQUIRED I	RECAUSE NO	□ RECEIVED/
1. 10	HEL OF SLISWIE RETIVITY	SEISMIC ACTIVITY WAS CON		
		SEISMIC ACTIVITY WAS CON	NDUCTED	NOT REQUIRED
	TICE OF ENTRY FOR PLAT SURV	TEV I NO DI AT CLIDVEY W	AC COMPLICTED	
L 2. NO	TICE OF ENTRY FOR PLAT SURV	VEY or I NO PLAT SURVEY W	AS CONDUCTED	☐ RECEIVED
3. NO	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIRED I	BECAUSE	☐ RECEIVED/
		NOTICE OF ENTRY FOR PLAT	SURVEY	NOT REQUIRED
		WAS CONDUCTED or		
		☐ WRITTEN WAIVER BY S	URFACE OWNER	
		(PLEASE ATTACH)		
■ 4 ×200	TIGE OF DI ANDIED OPEN LETON		RECENT	□ RECEIVED
4. NO	TICE OF PLANNED OPERATION	Offic	RECEIVED se of Oil and Gas	LI RECEIVED
			and Gas	
5. PUI	BLIC NOTICE	Al	JG 1 1 2023	☐ RECEIVED
		- 1	1 1 2023	
■ 6 NO	TICE OF APPLICATION	_ WV	Department of	RECEIVED
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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 read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Well Operator: Antero Resources Corporation Address: 1615 Wynkoop Street By: Jon McEvers Denver, CO 80202 Its: Senior VP of Operations Facsimile: 303-357-7373 Telephone: 303-357-6799 Email: cmarvel@anteroresources.com day of AUGUST 2023 Subscribed and sworn before me this NOTARY SEAL CARLY RAYNE MARVEL Notary Public State of Colorado Notary ID # 20224038743 My Commission Expires My Commission Expires 10-05-2026

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

Office RECEIVED of Oil and Gas
AUG I I 2023

WV Department of Environmental Protection

WW-6A (9-13)

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OPERATOR WELL NO. Dixie Unit 2H 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: ☐ CERTIFICATE OF APPROVAL FOR THE PERMIT FOR ANY 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 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: 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 COAL OPERATOR Name: Name: NO DECLARATIONS ON RECORD WITH COUNTY Address: Address: SURFACE OWNER(s) (Road and/or Other Disturbance) ☑ WATER PURVEYOR(s)/OWNER(s) OF WATER WELL, Name: Antero Resources Corporation SPRING OR OTHER WATER SUPPLY SOURCE Address: 535 White Oaks Blvd Name: PLEASE SEE ATTACHMENT Bridgeport, WV 26330 Address: Name: Sharon K. & Paul D. Weekley Address: 2374 WV Route 18 N ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD West Union, WV 26456 ☐ SURFACE OWNER(s) (Impoundments or Pits) Name: Address: Name: Address: *Please attach additional forms if necessary

WW-6A (8-13)

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OPERATOR WELL NO. Dixie Unit 2H

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.

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.

AUG 7

Gas

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontal profrom any existing water well or developed spring used for human or domestic animal consumption. The center of well pads have not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or darger 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)

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API NO. 47-<u>017</u>

OPERATOR WELL NO. Dixie Unit 2H

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

Chief. Office of Oil and Gas

Chief. Office of Oil and Gas

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 to test water. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

WV Department of Environmental Protection WW-6A (8-13) API NO. 47- 017 1 7 0 6 9 5 9
OPERATOR WELL NO. Dixie Unit 2H
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 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.

Office RECEIVED of Oil and Gas
AUG I I 2023

Environmental Protection

4701706959

WW-6A (8-13)

OPERATOR WELL NO. Dixie Unit 2H Well Pad Name: Genevieve Pad

Notice is hereby given by:

Well Operator: Antero Resources Corpora

Telephone: (303) 357-7373

Email: cmarvel@anteroresources.com

NSuccession 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 My Commission Expires_

Environmental Protection

WW-6A4 (1/12)

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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 at late: 06/21/2023 Date Per	east TEN (10) days prior to filing a mit Application Filed:08/09/2023	permit application of Oil and Gas
	hod pursuant to West Virginia Code § 22		AUG 7 7 200
☐ HAND	■ CERTIFIED MAIL	West Dr.	WV Department of Environmental Protection
DELIVE	RY RETURN RECEIPT REQU	UESTED	-99//
receipt reques drilling a hori of this subsec subsection ma	V. Va. Code § 22-6A-16(b), at least ten days ted or hand delivery, give the surface owner izontal well: <i>Provided</i> , That notice given pution as of the date the notice was provided by be waived in writing by the surface owner, facsimile number and electronic mail address.	er notice of its intent to enter upon the pursuant to subsection (a), section to to the surface owner: <i>Provided, how</i> er. The notice, if required, shall incl	the surface owner's land for the purpose of en of this article satisfies the requirements wever, That the notice requirements of this lade the name, address, telephone number,
Notice is he	reby provided to the SURFACE OW	NER(s):	
Name: Antero R	desources Corporation	Name:	
Address: 535	the state of the s	Address:	
Bridgepor	t, WV 26330	-	- The state of the
	Vest Virginia Code § 22-6A-16(b), notice is wher's land for the purpose of drilling a hortwest Virginia Doddridge West Union West Union 7.5'		
Pursuant to Y facsimile nur related to hor	Shall Include: West Virginia Code § 22-6A-16(b), this ruber and electronic mail address of the orizontal drilling may be obtained from the 157th Street, SE, Charleston, WV 25304 (3	perator and the operator's authorize Secretary, at the WV Department of	ed representative. Additional information of Environmental Protection headquarters,
	reby given by:	04-720-0430) of by visiting www.u	ep.wv.govron und gus/pages/defadic.uspa.
	T: Antero Resources Corporation	Authorized Representative	: Mallory Turco
Address:	1615 Wynkoop St.	Address:	1615 Wynkoop St.
	Denver, CO 80202		Denver, CO 80202
Telephone:	303-357-7182	Telephone:	303-357-7182
Email:	mturco@anteroresources.com	Email:	mturco@anteroresources.com
Facsimile:	303-357-7315	Facsimile:	303-357-7315
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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 deprivacyofficer@wv.gov.

WW-6A5 (1/12) Operator Well No. Dixie Unit 2H

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

			d no later than the filing date of perm t Application Filed: 08/09/2023	it application.
Deliv	ery meth	hod pursuant to West Virginia Code	e § 22-6A-16(c)	
		FIED MAIL EN RECEIPT REQUESTED	☐ HAND DELIVERY	
return the p requi drillind dama (d) T of no	lanned of red to be ng of a h ges to the he notice tice.	requested or hand delivery, give the s peration. The notice required by thi provided by subsection (b), section te norizontal well; and (3) A proposed s	surface owner whose land will be used is subsection shall include: (1) A copen of this article to a surface owner who surface use and compensation agreement on the extent the damages are content to the surface owner at the address	lication, an operator shall, by certified mail for the drilling of a horizontal well notice of y of this code section; (2) The information ose land will be used in conjunction with the ent containing an offer of compensation for mpensable under article six-b of this chapter. listed in the records of the sheriff at the time of the certifical of the sheriff at the time of the certifical of the sheriff at the time of the certifical of the sheriff at the time of the certifical of the sheriff at the time of the sheriff at the sheriff at the time of the sheriff at the time of the sheriff at the sheriff at the time of the sheriff at the time of the sheriff at the sher
(at th	e address	s listed in the records of the sheriff at t		1 1 2023
		esources Corporation	Name:	Environment at
Address: 535 White Oaks Blvd Address: Address:				
	eport, WV 26			WV Department of Environmental Protection
Notic Pursi opera State Cour	ce is here tant to W tion on to	eby given: Vest Virginia Code § 22-6A-16(c), noti the surface owner's land for the purpo West Virginia Doddridge	ose of drilling a horizontal well on the t UTM NAD 83 Easting: Northing	d well operator has developed a planned ract of land as follows: 518823.241m 4350489.364m
Notice Pursu opera State Cour Distr	ce is here nant to W ation on t t tty:	reby given: Vest Virginia Code § 22-6A-16(c), note the surface owner's land for the purport West Virginia Doddridge West Union	ose of drilling a horizontal well on the to the total strain and the strain and t	d well operator has developed a planned ract of land as follows: 518823.241m 4350489.364m WV Route 18 N
Notice Pursu opera State Cour Distr	ce is here tant to W tion on to	eby given: Vest Virginia Code § 22-6A-16(c), noti the surface owner's land for the purpo West Virginia Doddridge	ose of drilling a horizontal well on the t UTM NAD 83 Easting: Northing	d well operator has developed a planned ract of land as follows: 518823.241m 4350489.364m WV Route 18 N
Notice Pursu opera State Cour Distr Quad Wate This Pursu to be horiz surfa infor head gas/I	ee is here ant to W ation on to ty: ict: drangle: drangle	Pest Virginia Code § 22-6A-16(c), notifies urface owner's land for the purpose West Virginia Doddridge West Union West Union 7.5' Headwaters Middle Island Creek Pest Virginia Code § 22-6A-16(c), this delta was a code by oil and gas operations to the elelated to horizontal drilling may be clocated at 601 57th Street, SE, Coault.aspx.	UTM NAD 83 Public Road Access: Generally used farm name: s notice shall include: (1)A copy of the a surface owner whose land will be a compensation agreement containing extent the damages are compensable upobtained from the Secretary, at the W	d well operator has developed a planned ract of land as follows: 518823.241m 4350489.364m WV Route 18 N Antero Midstream, LLC as code section; (2) The information required to used in conjunction with the drilling of a an offer of compensation for damages to the inder article six-b of this chapter. Additional to Department of Environmental Protection (0) or by visiting www.dep.wv.gov/oil-and-treet

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

WW-6AW (1-12) 4701706959

OPERATOR WELL NO. Dixie Unit 2H
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 erosonicand section of the application 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.

issue the well	work permit at any time.			AUG 1 1 2023
	VOLUNTARY STAT	EMENT	OF NO OBJ	
provisions list	, hereby state that I have read ted above, and that I have received copies of a attachments consisting of pages one (1) thro	Notice of Ap	pplication, an App	olication for a Well Work Permit on Form
required, and	the well plat, all for proposed well work on the	tract of land a	as follows:	ne crosson and sediment control plan, if
State:	West Virginia		Easting:	518823.241m
County:	Doddridge		Northing:	4350489.364m
District:	West Union	Public Road		WV Route 18 N
Quadrangle:	West Union 7.5'	Generally u	ised farm name:	Antero Resources Corporation
Watershed:	Headwaters Middle Island Creek			
*Please check	the box that applies		FOR EXECUT	ION BY A NATURAL PERSON
□ SURFAC	CE OWNER		Signature:	
□ SURFAC	CE OWNER (Road and/or Other Disturban	ce)	Print Name:	
□ SURFAC	CE OWNER (Impoundments/Pits)		FOR EXECUT	ION BY A CORPORATION, ETC.
□ COAL C	WNER OR LESSEE		Company: An	FOR PROJUECES CORPORATION
□ COAL O	PERATOR		By: Union I	Vice President operations
□ WATER	PURVEYOR		Signature:	by MEreis
□ OPERA	TOR OF ANY NATURAL GAS STORAC	GE FIELD	Date:	8/7/23

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

Alanna J. Keller, P.E. Deputy Secretary of Transportation/ Deputy Commissioner of Highways 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
Dixie Unit 2H 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

Cc: Carly Marvel

Antero Resources

OM, D-4

File

List of Anticipated Additives Used for Fracturing or 5 9 Stimulating Well

Additives	Chemical Abstract Service Number (CAS #)
Fresh Water	7732-18-5
2 Phosphobutane 1,2,4 tricarboxylic acid	37971-36-1
Ammonium Persulfate	7727-54-0
Anionic copolymer	Proprietary
Anionic polymer	Proprietary
BTEX Free Hydrotreated Heavy Naphtha	64742-48-9
Cellulase enzyme	Proprietary
Demulsifier Base	Proprietary
Ethoxylated alcohol blend	Mixture
Ethoxylated Nonylphenol	68412-54-4
Ethoxylated oleylamine	26635-93-8
Ethylene Glycol	107-21-1
Glycol Ethers	111-76-2
Guar gum	9000-30-0
Hydrogen Chloride	7647-01-0
Hydrotreated light distillates, non-aromatic, BTEX free	64742-47-8
Isopropyl alcohol	67-63-0
liquid, 2,2-dibromo-3-nitrilopropionamide	10222-01-2
Microparticle	Proprietary
Petroleum Distillates (BTEX Below Detect)	64742-47-8
Polyacrylamide	57-55-6
Propargyl Alcohol	107-19-7
Propylene Glycol	57-55-6
Quartz	14808-60-7
Sillica, crystalline quartz	7631-86-9
Sodium Chloride	7647-14-5
Sodium Hydroxide	1310-73-2
Sugar	57-50-1
Surfactant	68439-51-0
Suspending agent (solid)	14808-60-7
Tar bases, quinoline derivs, benzyl chloride-quaternized	72480-70-7
Solvent Naphtha, petroleum, heavy aliph	64742-96-7
Soybean Oil, Me ester	67784-80-9
Copolymer of Maleic and Acrylic Acid	52255-49-9
DETA phosphonate	15827-60-8
Hexamthylene Triamine Penta	34690-00-1
Phosphino Carboxylic acid polymer	71050-62-9
Hexamethylene Diamine Tetra	23605-75-5
2-Propenoic acid, polymer with 2 propenamide	9003-06-9
Hexamethylene diamine penta (methylene phosphonic acid)	23605-74-5
Diethylene Glycol	111-46-6
Methenamine	100-97-0
Polyethylene polyamine	68603-67-8
Coco amine	61791-14-8
2-Propyn-1-olcompound with methyloxirane	38172-91-7

OPERATOR: Antero Resources Corp. WELL NO: Dixie Unit 2H

PAD NAME: Genevieve Pad

REVIEWED BY: Mallory Turco SIGNATURE: Mallory Turco

WW-6A7

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

Well Restri	ctions
\checkmark	At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland; OR
	DEP Waiver and Permit Conditions
\checkmark	At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to any Naturally Producing Trout Stream; OR
	1 1 1 1 2 1 2 1 1 1
\checkmark	At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to any Groundwater Intake or Public Water Supply; OR
	DEP Waiver and Permit Conditions
\checkmark	At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled; OR
	Surface Owner Waiver and Recorded with County Clerk, OR
	DEP Variance and Permit Conditions
\checkmark	At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pad; OR
	Surface Owner Waiver and Recorded with County Clerk, OR
	DEP Variance and Permit Conditions
\checkmark	At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad; OR
	Surface Owner Waiver and Recorded with County Clerk, OR
	DEP Variance and Permit Conditions