

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

Tuesday, January 2, 2024 WELL WORK PERMIT Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET

DENVER, CO 80202

Re:

Permit approval for GIRARDI UNIT 2H 47-103-03635-00-00

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

Operator's Well Number: GIRARDI UNIT 2H

Farm Name: ANTERO RESOURCES CORP

U.S. WELL NUMBER: 47-103-03635-00-00

Horizontal 6A New Drill

Date Issued: 1/2/2024

API Number: 4710303635

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.

Well Pad Name: Fluharty 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 103 - Wetzel Gr	reen Porter Falls 7.5'
Operator ID County Di	istrict Quadrangle
2) Operator's Well Number: Girardi Unit 2H Well Pad Name: Fluharty	Pad
3) Farm Name/Surface Owner: Michael E. Smith Et Al Public Road Access: Co Rd 2	28
4) Elevation, current ground: 1214' Elevation, proposed post-construction:	1181' - PROPOSED
5) Well Type (a) Gas X Oil Underground Storage	
Other	
(b)If Gas Shallow X Deep	
Horizontal X	
6) Existing Pad: Yes or No No	
7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressum Marcellus Shale: 7300' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2850;	ure(s): #
8) Proposed Total Vertical Depth: 7300' TVD /	
9) Formation at Total Vertical Depth: Marcellus	
10) Proposed Total Measured Depth: 10000' MD	
11) Proposed Horizontal Leg Length: 500' *Open to modification at a later date	/
12) Approximate Fresh Water Strata Depths: 307'	
13) Method to Determine Fresh Water Depths: 47103012450000 Offset well records. Depths have been	adjusted according to surface elevations.
14) Approximate Saltwater Depths: 2289'	
15) Approximate Coal Seam Depths: N/A	
6) 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:	RECENED
Seam:	Office of Oil and Gas
Owner:	DEC 11 2023
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WV Department of Environmental Protection

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(2/01/05/2024

WW-6B (04/15)

API NO. 47-_103___-

OPERATOR WELL NO. Girardi Unit 2H Well Pad Name: Fluharty Pad

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	<u>Grade</u>	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well	CEMENT: Fill-up
Conductor	20"	New	J-55	94#	100'	(ft) 100' /	(Cu. Ft.)/CTS
Fresh Water	30000				Beathers.	100 /	CTS, 96 Cu. Ft.
rresn water	13-3/8"	New	J-55	54.5#	357'	357'	CTS, 372 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	2900'	2900'	CTS, 1181 Cu. Ft.
Intermediate						,	
Production	5-1/2"	New	P110-ICY	23#	10000'	10000'	CTS, 1592 Cu. Ft.
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

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

PACKERS

N/A	
N/A	RECEIVED Office of Oil and Gas
N/A	DEC 1 1 2023 WV Department of
	N/A

Environmental Protection

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91/05/2

API NO. 47- 103

OPERATOR WELL NO. Girardi Unit 2H

Well Pad Name: Fluharty Pad

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

Drill a new horizontal shallow well into the Marcellus Shale.

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

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Antero plans to pump Slickwater into the Marcellus Shale formation in order to ready the well for production. The fluid will be comprised of approximately 99 percent water and sand, with less than 1 percent special-purpose additives as shown in the attached "List of Anticipated Additives Used for Fracturing or Stimulating Well."

Anticipated Max Pressure - 9300 lbs Anticipated Max Rate - 80 bpm

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 45.48 acres

22) Area to be disturbed for well pad only, less access road (acres): 11.67 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 G/H + 45 PPS Calcium Carbonate + 1.0% FL-160 + 0.2% ACGB-47 + 0.05% ACSA-51 + 0.2% ACR-20

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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.

4710303635

API Number 47 -	103	.
Operator's	Well No.	Girardi Unit 2H

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) Fishing Creek	Quadrangle Porters Falls 7.5'
Do you anticipate using more than 5,000 bbls of water	to complete the proposed well work? Yes V No
Will a pit be used? Yes No	10 10
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 W	
Reuse (at API Number_Future Off Site Disposal (Supply for Other (Explain	C Permit Number*UIC Permit # will be provided on Form WR-34 pre permitted well locations when applicable. API# will be provided on Form WR-34 pre WW-9 for disposal location) (Meadowfill Landfill Permit #SWF-1032-98) Northwestern Landfill Permit #SWF-1025/ WV0109410 Wetzel County Landfill (Permit #SWF-1021)
	fluids stored in tanks, cuttings removed offsite and taken to landfill. Surface - Air/Freshwater, Intermediate -
Drilling medium anticipated for this well (vertical and	10r1zontal)? Air, freshwater, oil based, etc
-If oil based, what type? Synthetic, petroleum	
Additives to be used in drilling medium? Please See A	
	emoved offsite, etc Drill cuttings stored in tanks, removed offsite and taken to landfill.
-If left in pit and plan to solidify what medium	will be used? (cement, lime, sawdust) N/A
-Landfill or offsite name/permit number?	adowfill Landfill (Permit #SWF-1032-98), Northwestern Landfill (Permit # SWF-1025/WV0109410)
Permittee shall provide written notice to the Office of O	il and Gas of any load of drill cuttings or associated waste rejected at any rovided within 24 hours of rejection and the permittee shall also disclose
provisions of the permit are enforceable by law. Viola law or regulation can lead to enforcement action. I certify under penalty of law that I have per application form and all attachments thereto and the	
Company Official (Typed Name) Gretchen Kohler	RECEIVED Office of Oil and Gas
Company Official Title Director Environmental & Regular	0 "
	ory Compliance NOV 2.7 2023
Subscribed and sworn before me this 22 day	of November, 20 23 WV Department of Environmental Protection
Stetan Gaspan	Notary Public
Subscribed and sworn before me this 22 day Stefan Gaspar My commission expires November	STEFAN GASPAR NOTARY PUBLIC STATE OF GENERAL STATE OF GEN

Form WW-9

Antero Resources Co	rporation	Operator's	Well No. Girardi Unit 2H
Proposed Revegetation Treatmen	nt: Acres Disturbed 45.48 a	cres Prevegetation p	он
Lime 2-4	Tons/acre or to correct to pH		-
Fertilizer type Hay or st	raw or Wood Fiber (will be used	where needed)	
Fertilizer amount 500		os/acre	
Mulch 2-3	Tons/a		
Access R		cres) + Excess/Topsoil Material Stockpiles (20.07	acres) = 45,48 acres
Tempo	orary	Perm	anent
Seed Type	lbs/acre	Seed Type	lbs/acre
Annual Ryegrass	40	Crownvetch	10-15
Field Bromegrass	40	Tall Fescue	30
See attached Table IV-3 for additional se	ed type (Fluharty Pad Design)	See attached Table IV-4A for additional	I seed type (Fluharty Pad Design)
*or type of grass seed reque	sted by surface owner	*or type of grass seed reque	ested by surface owner
Photocopied section of involved 7	7.5' topographic sheet.		
Plan Approved by:			
Comments: Property	echin, seed, ma	hh.	
			DEC
			Office of Oil and
itle:		Date: 12-6-25	DEC 112
ield Reviewed?	Yes	_) No	WV Department Environmental Pro



911 Address 2859 Wetzel Tyler Ridge Road, Middlebourne, WV 26149

Well Site Safety Plan Antero Resources

Well Name: Fluharty Unit 5V, Cargo Unit 1H & 2H, Galarraga Unit 1H, Girardi Unit 1H & 2H, Howell Unit 1H, Rine Unit 1H

Pad Location: Fluharty Pad

Wetzel County/Green District

GPS Coordinates:

Entrance - Lat 39.572116 /Long -80.828764 (NAD83)
Pad Center - Lat 39.571209 /Long -80.814030 (NAD83)

Driving Directions:

- 1. From WV-20 in Reader, turn south onto CO. 48 and travel for 0.4 miles
- 2. Continue straight onto 8 Mile Rd and travel for 4.0 miles
- 3. Turn right onto Wetzel Tyler Ridge Rd. and travel for 7.3 miles
- 4. Fluharty Lease Road will be on the right side

OR

- 1. From WV-20 in Reader, turn west onto CO. 44 and travel for 0.2 miles
- 2. Turn right to stay on CO. 20/1 and continue for 3.5 miles
- 3. Turn right onto CO. 28/1 and continue for 4.4 miles
- 4. Fluharty Lease Road will be on the right

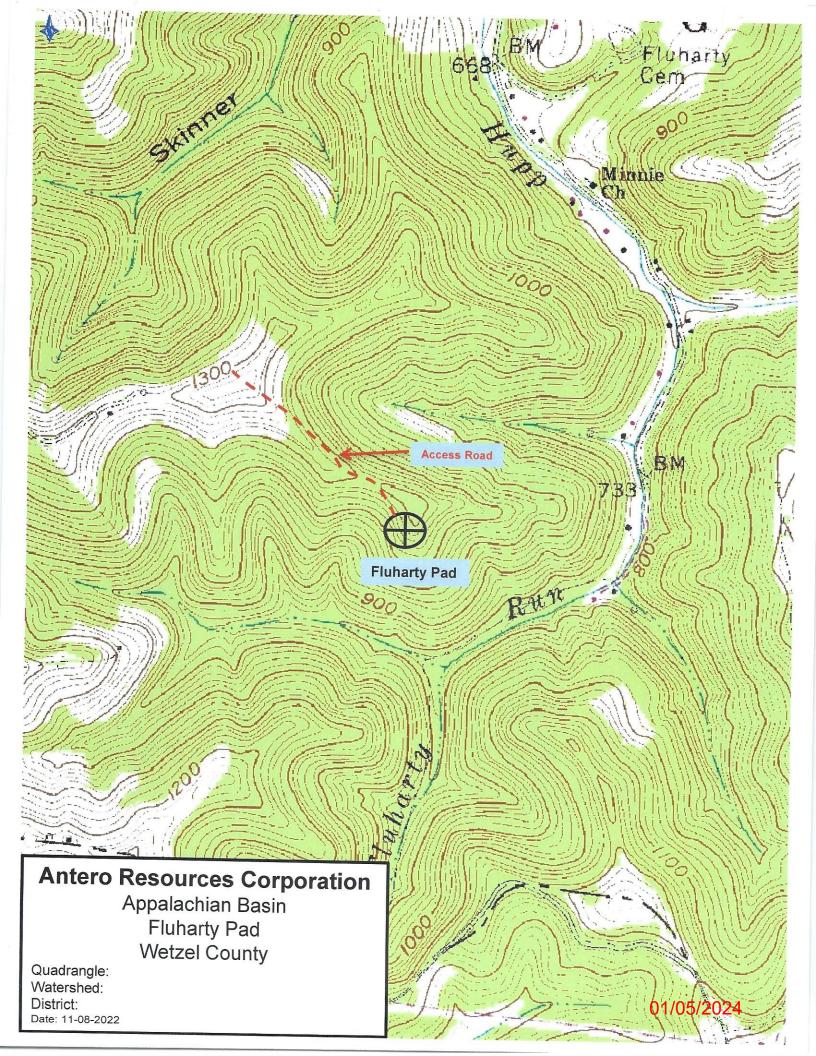
EMERGENCY (24 HOUR) CONTACT 1-800-878-1373

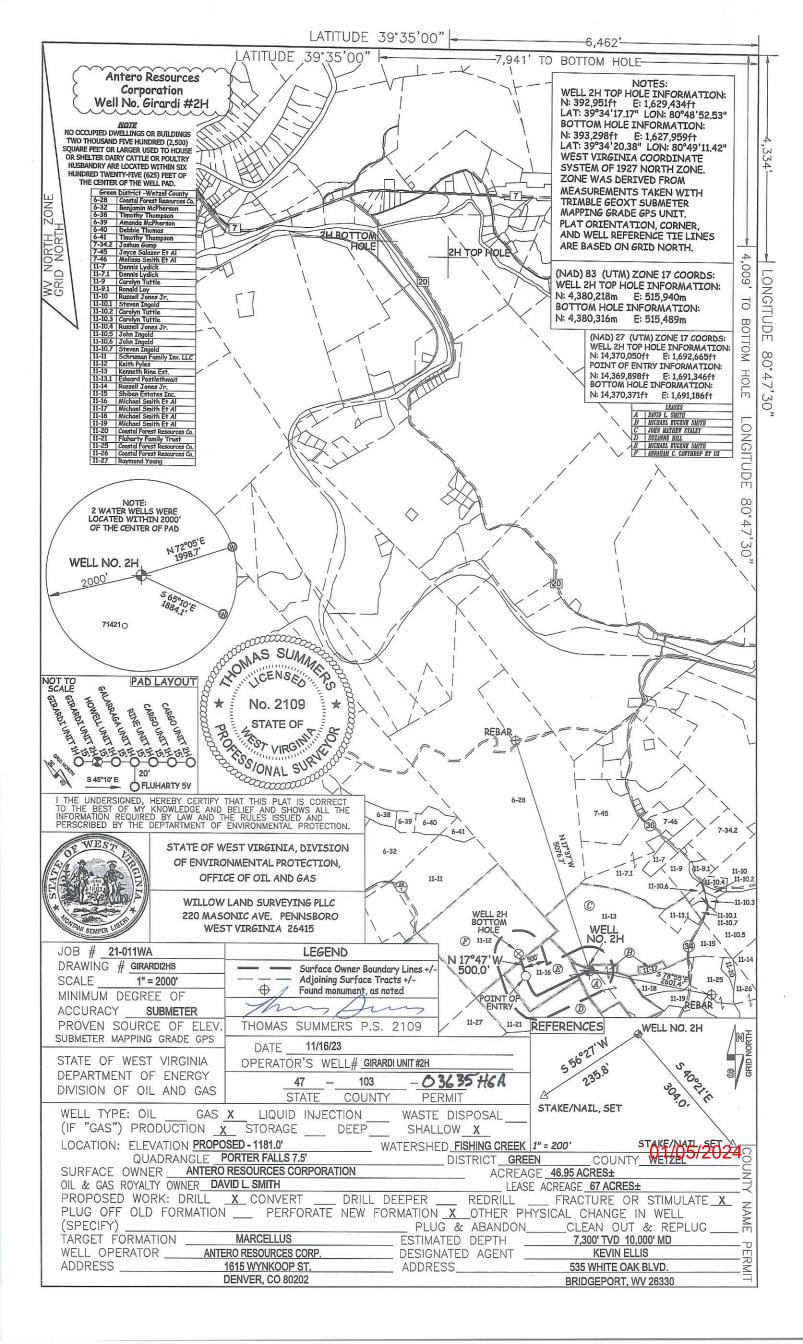
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Operator's Well Number

Girardi Unit 2H

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, les	ssor, etc. Grantee, lessee, etc.	Royalty	Book/Page
A: David L. Smith Lease David L. Smith	Antero Resources Corporation	1/8+	273A/0442
E: Michael Eugene Smith Lease Michael Eugene Smith	e Antero Resources Corporation	1/8+	273A/0435

*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.

*Co-tenancy utilization – Antero is utilizing the Co-tenancy Modernization and Majority Protection Act to proceed with development of certain royalty owners' interests in this tract.

**Pooling/Unitization – Antero has filed a horizontal well unitization application with the West Virginia Oil and Gas Conservation Commission that seeks to pool certain owners in this tract.

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Office of Oil and Gas
NOV 27 2023
WV Department of
Environmental Protection

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(5/	(13)

0	perator's	Well	No	Girardi	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)

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:

	and to entract, prod	dec of market the off of gas are a	s follows:	
Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
F: Abraham C. Gawthrop Et Ux Lea	<u>se</u>			
	Abraham C. Gawthrop Et Ux	Antero Resources Corporation	1/8+	188A/0349
*Partial Assignments to Antero Res the oil and gas from the Marcellus	ources Corporation include 100% right and any other formations completed w	is to extract, produce and market ith this well.		
*Co-tanancy utilization - Antona is utilization				
this tract.	izing the Co-tenancy Modernization and M	ajority Protection Act to proceed with the deve	lopment of certain royal	ty owners' interests in
**Pooling/Unitization Antero has file in this tract.	ed a horizontal well unitization application	with the West Virginia Oil and Gas Conservation	Commission that seeks t	o pool certain owners

Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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

Well Operator:	Antero Resources Corporation	Office of Oil and Gas
By:	Tim Rady Ledy	NOV 27 2023
Its:	Senior Vice President of Land	
		WV Department of Environmental Protection

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November 15, 2023

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

RE:

Girardi Unit 2H

Quadrangle: Porters Falls 7.5'

Wetzel County/Green District, West Virginia

Mr. Martin:

Antero Resources Corporation (Antero) is submitting the following application for a new well work permit for the Girardi Unit 2H horizontal shallow well. As an authorized representative, I certify that Antero has the right to extract, produce or market the oil or gas for all leases through which the Girardi Unit 2H horizontal lateral will drill through including any and all roads crossed under as identified on the attached survey plat.

Sincerely,

Thomas Kuhn

Thomas Kuhn

Staff Landman

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Office of Oil and Gas

NOV 27 2023

WV Department of Environmental Protection

Horizontal Natural Gas Well Work Permit Application Notice By Publication

	Notice	is	hereby	given
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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: The Wetzel Chronicle			
Public Notice Date: 11/8/2023-11/15/2023			
The following applicant intends to apply for a surface excluding pipelines, gathering lines an any thirty day period.	a horizontal nad roads or ut	atural well wor ilizes more than	k permit which disturbs three acres or more of a two hundred ten thousand gallons of water in
Applicant: Antero Resources Corporation		Well Nun	nber: Girardi Unit 2H
Address: 1615 Wynkoop St. Denver, CO 802	202		
Business Conducted: Natural gas production	n.		
Location –			
State: West Virginia		County:	Wetzel
District: Green		_ Quadrangle:	Porter Falls 7.5'
UTM Coordinate NAD83 Northing:	4380218m		
UTM coordinate NAD83 Easting: Watershed: Fishing Creek	515940m		
			Carry and the state of the stat

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 DEP.comments@wv.gov.

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

Office of Oil and Gas

WV Department of Environmental Protection Date of Notice Certification: 11/21/2023

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

	API No. 47- 103 -	
	Operator's Well No. G	irardi Unit 2H
Modica has have	Well Pad Name: Fluha	arty Pad
Notice has been given:	Section Control Contro	
below for the tract of land as follows:	22-6A, the Operator has provided the required parties	s with the Notice Forms listed
State: West Virginia		
County: Wetzel	UTM NAD 83 Easting: 515940m	
District: Green	Northing: 4380218m	
Quadrangle: Porter Falls 7.5'	Public Road Access: Co Rd 28	
Watershed: Fishing Creek	Generally used farm name: Michael E. Sm	ith Et Al
rishing Greek		
it has provided the owners of the surface described information required by subsections (b) and (c), section giving the surface owner notice of entry to sur- requirements of subsection (b), section sixteen of	every permit application filed under this section shall contain the following information: (14) A certificated in subdivisions (1), (2) and (4), subsection (b), so tion sixteen of this article; (ii) that the requirement we very pursuant to subsection (a), section ten of this article were waived in writing by the surface of the proof of and certify to the secretary that the notion.	ation from the operator that (in section ten of this article, the as deemed satisfied as a result rticle six-a; or (iii) the notice
Pursuant to West Virginia Code § 22-6A the Ope	rator has attached proof to this Notice Continued	SECURIOR SEC
Pursuant to West Virginia Code § 22-6A, the Operator has properly served the required	rator has attached proof to this Notice Certification	
Pursuant to West Virginia Code § 22-6A, the Ope that the Operator has properly served the required *PLEASE CHECK ALL THAT APPLY	rator has attached proof to this Notice Certification parties with the following:	OOG OFFICE USE ONLY
*PLEASE CHECK ALL THAT APPLY 1. NOTICE OF SEISMIC ACTIVITY or	rator has attached proof to this Notice Certification parties with the following: NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	ONLY RECEIVED/
*PLEASE CHECK ALL THAT APPLY 1. NOTICE OF SEISMIC ACTIVITY or	parties with the following: NOTICE NOT REQUIRED BECAUSE NO	ONLY RECEIVED/ NOT REQUIRED
*PLEASE CHECK ALL THAT APPLY 1. NOTICE OF SEISMIC ACTIVITY or 2. NOTICE OF ENTRY FOR PLAT SURVE 3. NOTICE OF INTENT TO DRILL or	parties with the following: NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	ONLY RECEIVED/ NOT REQUIRED
*PLEASE CHECK ALL THAT APPLY 1. NOTICE OF SEISMIC ACTIVITY or 2. NOTICE OF ENTRY FOR PLAT SURVE 3. NOTICE OF INTENT TO DRILL or	Parties with the following: ■ NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED EY or ■ NO PLAT SURVEY WAS CONDUCTED NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY	ONLY RECEIVED/ NOT REQUIRED RECEIVED RECEIVED/
*PLEASE CHECK ALL THAT APPLY 1. NOTICE OF SEISMIC ACTIVITY or 2. NOTICE OF ENTRY FOR PLAT SURVE 3. NOTICE OF INTENT TO DRILL or	Parties with the following: NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED Yor NO PLAT SURVEY WAS CONDUCTED NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or WRITTEN WAIVER BY SURFACE OWNER	ONLY RECEIVED/ NOT REQUIRED RECEIVED RECEIVED/
*PLEASE CHECK ALL THAT APPLY 1. NOTICE OF SEISMIC ACTIVITY or 2. NOTICE OF ENTRY FOR PLAT SURVE 3. NOTICE OF INTENT TO DRILL or	Parties with the following: NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED Yor NO PLAT SURVEY WAS CONDUCTED NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or WRITTEN WAIVER BY SURFACE OWNER	ONLY RECEIVED/ NOT REQUIRED RECEIVED RECEIVED/ NOT REQUIRED

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.

NOV 27 2023

Certification of Notice is hereby given:

signature confir in this Notice (obtaining the in	at as required under West Virginia Co equired parties through personal servi mation. I certify under penalty of law Certification and all attachments, an	ice, by re that I have that bat bat	egistered mai we personally ased on my	the notice requirements within West Virginia Code § 22- erved the attached copies of the Notice Forms, identified or by any method of delivery that requires a receipt or examined and am familiar with the information submitted inquiry of those individuals immediately responsible for d complete. I am aware that there are significant penalties onment.
Well Operator:	Antero Resources Corporation		Address:	164E Western Others
By:	Jon McEvers MM	10.	Audiess.	1615 Wynkoop Street
Its:		NE	1	Denver, CO 80202
	SVP of Operations		Facsimile:	303-357-7315
Telephone:	303-357-7310		Email:	mturco@anteroresources.com
	STEFAN GASPAR NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20224043669 MISSION EXPIRES NOVEMBER 15, 2026		Stefa	orn before me this 22 day of November 1023 Notary Public Repires November 15, 7076

Oil and Gas Privacy Notice:

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

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NOV 27 2023

WV Department of Environmental Protection WW-6A (9-13)

API NO. 47- 103 OPERATOR WELL NO. Girardi Unit 2H
Well Pad Name: Fluharty Pad

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

Notice Time Requirement: notice shall be provided r	no later than the filing date of permit application.
Date of Notice: 11/22/2023 Date Permit Application	
Notice of:	The state of the s
	E OF APPROVAL FOR THE TION OF AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code §	22-6A-10(b)
☐ PERSONAL ☐ REGISTERED ☑ SERVICE MAIL	METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION
registered mail or by any method of delivery that requires sediment control plan required by section seven of this art the surface of the tract on which the well is or is proposed oil and gas leasehold being developed by the proposed we described in the erosion and sediment control plan submit operator or lessee, in the event the tract of land on which the more coal seams; (4) The owners of record of the surface well work, if the surface tract is to be used for the placement impoundment or pit as described in section nine of this art have a water well, spring or water supply source located we provide water for consumption by humans or domestic and proposed well work activity is to take place. (c)(1) If more subsection (b) of this section hold interests in the lands, the records of the sheriff required to be maintained pursuant to provision of this article to the contrary, notice to a lien hole.	filing date of the application, the applicant for a permit for any well work or for a ment or pit as required by this article shall deliver, by personal service or by a receipt or signature confirmation, copies of the application, the erosion and ticle, and the well plat to each of the following persons: (1) The owners of record of to be located; (2) The owners of record of the surface tract or tracts overlying the ell work, if the surface tract is to be used for roads or other land disturbance as ted pursuant to subsection (c), section seven of this article; (3) The coal owner, the well proposed to be drilled is located [sic] is known to be underlain by one or tract or tracts overlying the oil and gas leasehold being developed by the proposed ent, construction, enlargement, alteration, repair, removal or abandonment of any ticle; (5) Any surface owner or water purveyor who is known to the applicant to within one thousand five hundred feet of the center of the well pad which is used to imals; and (6) The operator of any natural gas storage field within which the enthan three tenants in common or other co-owners of interests described in the explicant may serve the documents required upon the person described in the osection eight, article one, chapter eleven-a of this code. (2) Notwithstanding any der is not notice to a landowner, unless the lien holder is the landowner. W. Va. at all also provide the Well Site Safety Plan ("WSSP") to the surface owner and any ter testing as provided in section 15 of this rule.
☐ Application Notice ☐ WSSP Notice ☐ E&S Plan	n Notice ☑ Well Plat Notice is hereby provided to:
☑ SURFACE OWNER(s) Name: PLEASE SEE ATTACHMENT Address:	COAL OWNER OR LESSEE Name: No declarations on record with county Address:
Name:	COAL OPERATOR Name: NO DECLARATIONS ON RECORD WITH COUNTY
☑ SURFACE OWNER(s) (Road and/or Other Disturban Name: Keith Robert Pyles	Address:
Address: 1513 Limestone Ridge Road New Martinsville, WV 26155	AND/OR WATER PURVEYOR(s) Name: NONE WITHIN 1500'
Name: Address:	Address:
☐ SURFACE OWNER(s) (Impoundments or Pits)	OPERATOR OF ANY NATURAL GAS STORAGE FIELD Name:
Name:Address:	Name:
	*Please attach additional forms if necessary NOV 27 2023

WV Department of Environmental Protection

4710303635

API NO. 47- 103

OPERATOR WELL NO. Girardi Unit 2H

Well Pad Name: Fluharty Pad

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

Office of Oil and Gas

Well Location Restrictions

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

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API NO. 47- 103

OPERATOR WELL NO. Girardi Unit 2H

Well Pad Name: Fluharty Pad

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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

RECEIVED Office of Oil and Gas

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WV Department of Environmental Pro

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) API NO. 47-7103 1 0 3 0 3 6 3 5

OPERATOR WELL NO. Girardi Unit 2H

Well Pad Name: Fluharty 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 of Oil and Gas

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WV Department of Environmental Protection

WW-6A (8-13)

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API NO. 47- 103

OPERATOR WELL NO. Girardi Unit 2H

Well Pad Name: Fluharty Pad

Notice is hereby given by:

Well Operator: Antero Resources Corporation (303) 357-7310

Telephone: Email:

mturco@anteroresources.com

MENEANDESS.

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.

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

Subscribed and sworn before me this 22 day of November 2023.

Stefan Gaspar Notary Public

My Commission Expires November 15, 7026

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Office of Oil and Gas WV Department of Environmental Protection

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Operator Well No. Girardi Unit 2H

Multiple Wells -Fluharty Pad

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 Noti	Requirement: Notice shall be provided at loce: 11/02/2023 Date Perm	east TEN (10) days prior to filing it Application Filed: 11/22/2023	a permit application.
Delivery me	thod pursuant to West Virginia Code § 22-		
☐ HAND	_		
DELIVI	— CERTITIED WATE		
DELIVI	ERY RETURN RECEIPT REQU	ESTED	
drilling a hor of this subsection man	W. Va. Code § 22-6A-16(b), at least ten days sted or hand delivery, give the surface owner izontal well: <i>Provided</i> , That notice given puttion as of the date the notice was provided to ay be waived in writing by the surface owner ble, facsimile number and electronic mail additional step.	ursuant to subsection (a), section the surface owner: <i>Provided, ha</i>	the surface owner's land for the purpose of ten of this article satisfies the requirements owever, That the notice requirements of this
	reby provided to the SURFACE OWN		
Name: Please	e see attachment		
Address:		Address:	
State: County: District: Quadrangle: Watershed:	Vest Virginia Code § 22-6A-16(b), notice is I vner's land for the purpose of drilling a horize West Virginia Wetzel Green Porters Falls 7.5' Fishing Creek	ontal well on the tract of land as f UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:	Co Rd 28 Michael E. Smith Et Al
Pursuant to W facsimile num related to hori	Shall Include: West Virginia Code § 22-6A-16(b), this not ober and electronic mail address of the operizontal drilling may be obtained from the Se 57th Street, SE, Charleston, WV 25304 (304)	rator and the operator's authoriz	ed representative. Additional information
Notice is her	eby given by:		
Well Operator	Antero Resources Corporation	Authorized Representative:	Mallory Turco
Address:	1615 Wynkoop St.	Address:	
	Denver, CO 80202		Denver, CO 80202 Office of Oil and Gas
Telephone:	303-357-7310	Telephone:	Denver, CO 80202 Office of Oil and Co
Email:	mturco@anteroresources.com	Email:	
Facsimile:	303-357-7315	Facsimile:	mturco@anteroresources.com /VU / 2 7 2023
			303-357-7315 WW Department of Environmental Person
Oil and Gas	Privacy Notice:		Environmental Protection

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

WW-6A5 (1/12)

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

Date of Notice	e: 11/22/2023 Date Permit App	ater than the filin lication Filed: 1	g date of permi	t application.
Delivery meth	ood pursuant to West Virginia Code § 22-	·6A-16(c)		
		AND DELIVERY		
the planned op required to be p drilling of a ho damages to the	peration. The notice required by this subsprovided by subsection (b), section ten of the prizontal well; and (3) A proposed surface surface affected by oil and gas operations to	ection shall include a surface and comper use and comper to the extent the compensation of the extent the compensation in the extent that the extent t	nd will be used foude: (1) A copy face owner who asstion agreement that agreement agreement agrees are compared to the compare	ication, an operator shall, by certified mail for the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the nt containing an offer of compensation for pensable under article six-b of this chapter. sted in the records of the sheriff at the time
Notice is hereb (at the address I Name: PLEASE SE Address:	by provided to the SURFACE OWNER(s listed in the records of the sheriff at the time EE ATTACHMENT	e of notice): Name:	ss:	
State:	st Virginia Code § 22-6A-16(c), notice is he surface owner's land for the purpose of d	ereby given that trilling a horizont	al well on the tra	well operator has developed a planned act of land as follows: 515940m
D	Wetzel Green		Northing:	4380218m
o –	Porter Falls 7.5'	Public Road		Co Rd 28
***	Sishing Creek	Generally us	ed farm name:	Michael E. Smith Et Al
horizontal well; surface affected information rela	st Virginia Code § 22-6A-16(c), this notice by W. Va. Code § 22-6A-10(b) to a surfa and (3) A proposed surface use and composed by oil and gas operations to the extent the ated to horizontal drilling may be obtained ocated at 601 57 th Street, SE, Charlesto	ace owner whosensation agreement damages are confirm the Socre	e land will be uent 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 Operator:	Antero Resources Corporation	Address:	1615 Wynkoop Stree	Office of Oil and Gas
Telephone:	(303) 357-7310	_	Denver, CO 80202	Uffice of Oil and Gas
Email:	mturco@anteroresources.com	Facsimile:		NOV 27 2022
Oil and Gas Pr		100001 100001		WV Department of

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.

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API NO. 47-103 OPERATOR WELL NO. Girardi Unit 2H
Well Pad Name: Fluharty 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 reted above, and that I have received copies of attachments consisting of pages one (1) the well plat, all for proposed well work on the West Virginia Wetzel Green Porter Falls 7.5' Fishing Creek	he tract of land UTM NAI	Application, an Application, including to as follows:	blication for a Well Worldhe erosion and sediments 515940m 4380218m Co Rd 28	D . D
I further state issued on thos	that I have no objection to the planned work e materials.	described in th	ese materials, and l	have no objection to a p	ermit being
*Please check	the box that applies		FOR EXECUTI	ON BY A NATURAL I	PERSON
■ SURFAC	E OWNER				RECEIVED
	E OWNER (Road and/or Other Disturba E OWNER (Impoundments/Pits)	ince)	Print Name: Date:		NOV 2 7 2023
			FOR EXECUTI	ON BY A CORPORAT	WK Densition to
☐ COAL O	WNER OR LESSEE		Company: Antero Re	esources Corporation	ironmental Protection
☐ COAL OF	PERATOR		By: Jon McEvers Its: Senior VP of Oper		
□ WATER	PURVEYOR		7	lan Mc Eve	red.
□ OPERAT	OR OF ANY NATURAL GAS STORA	GE FIELD	Date: 11/21/2023		
0" 16 5					

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.



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

November 14, 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 Fluharty Pad, Tyler County Girardi 2H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2021-0484 which has been issued to Antero Resources for access to the State Road for a well site located off Tyler County Route 28/1 SLS MP 7.42.

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

Tany K. Clayton

Office of Oil and Gas

NOV 27 2023

WV Department of Environmental Protection

Cc: Stefan Gaspar Antero Resources

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

FRACTURING/STIMULATING INTERVAL

TOTAL CONTINUE ATTROUGHTERVAL		
Additive	Chemical Abstract Service Number (CAS #)	West and the second sec
1. Fresh Water	7732-18-5	and the same of th
2 Phosphobutane 1,2,4 tricarboxylic acid	37971-36-1	
3. Ammonium Persulfate	7727-54-0	
Anionic copolymer	10 0000000 000000 PM	
5. Anionic polymer	Proprietary	
6. BTEX Free Hydrotreated Heavy Naphtha	Proprietary 64742-48-9	
/. Cellulase enzyme		
Demulsifier Base	(Proprietary)	
Ethoxylated alcohol blend	(Proprietary) Mixture	
Ethoxylated Nonylphenol	68412-54-4	ĺ
11. Ethoxylated oleylamine	26635-93-8	
12. Ethylene Glycol	107-21-1	
13. Glycol Ethers	111-76-2	
14. Guargum	9000-30-0	
15. Hydrogen Chloride	7647-01-0	
16. Hydrotreated light distillates, non-aromatic, BTEX free	64742-47-8	
17. Isopropyi alcohol	67-63-0	
Liquid, 2,2-dibromo-3- nitrilopropionamide	10222-01-2	
19. Microparticle	Proprietary	
20. Petroleum Distillates (BTEX Below Detect)	64742-47-8	
21. Polyacrylamide	57-55-6	
22. Propargyl Alcohol	107-19-7	
23. Propylene Glycol	57-55-6	
24. Quartz	14808-60-7	
25. Sillica crystalline quartz	7631-86-9	
26. Sodium Chloride	7647-14-5	
27. Sodium Hydroxide	80 St 200 State 1	
28. Sugar	1310-73-2	
29. Surfactant	57-50-1	
30. Suspending agent (solid)	68439-51-0 14808-60-7	
31. Tar bases, quinolone derivs, benzyl chloride-quarternized	14808-60-7	
32. Solvent Naptha, petroleum, heavy aliph	72480-70-7	
33. Soybean Oil, Me ester	64742-96-7	more and the second
34. Copolymer of Maleic and Acrylic Acid	67784-80-9	
35. DETA Phosphonate	52255-49-9	
36. Hexamythylene Triamine Penta	15827-60-8	
37. Phosphino Carboxylic acid polymer	34690-00-1	
38. Hexamethylene diamine penta	71050-62-9	
39. 2-Propenoic acid, polymer with 2 propenamide	23605-74-5	
40. Hexamethylene diamine penta (methylene phosphonic aci	9003-06-9	
41. Diethylene Glycol		
42. Methenamine	111-46-6	
43. Polyethylene polyamine	100-97-0	RECEIVE
44. Coco amine	68603-67-8 Off	RECE VED
45. 2-Propyn-1-olcompound with methyloxirane		IOV a
F7 Troughound With Methyloxilalie	38172-91-7	0 27 202:
	W.	/ Denow
	Enviror	/ Department of nmental Protect
		10feC

OPERATOR: Antero Resources Corporation	WELL NO: Girardi Unit 2H
PAD NAME: Fluharty Pad	
REVIEWED BY: Stefan Gaspar	SIGNATURE:

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; OROMICE OF OIL and Gas
Surface Owner Waiver and Recorded with County Clerk, OR NOV 27 2023
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