

### 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, November 1, 2021
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for ORNER UNIT 2H

47-103-03429-00-00

Lateral Extension

### ANTERO RESOURCES CORPORATION

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926-0450.

Operator's Well Number: ORNER UNIT 2H

Farm Name: DALLISON LUMBER, INC.

U.S. WELL NUMBER: 47-103-03429-00-00

Horizontal 6A New Drill

Date Modification Issued: 11/2/2021

Promoting a healthy environment.



Antero Resources 1615 Wynkoop St. Denver, CO 80202 Office: 303.357.7310

Fax: 303.357.7315

October 11, 2021

West Virginia Department of Environmental Protection Office of Oil and Gas Attn: James Martin 601 57<sup>th</sup> Street Charleston, WV 25304

Mr. Martin:

Antero Resources Corporation (Antero) would like to submit the following applications for modifications of well work permits to explore/develop the Marcellus Shale. Our White Oak project is located in Ritchie County, WV. On the existing Dogwood Pad are three (3) horizontal shallow wells (Daags Unit 1H, Orner Unit 1H and Orner Unit 2H) that we are requesting approval to drill deeper to extend the laterals.

Attached you will find the following:

> Permit Application packages

If you have any questions please feel free to contact me at (304) 842-4153 or by email at mhamsher@anteroresources.com.

RECEIVED Office of Oil and Gas

OCT 1 4 2021

WV Department of Environmental Protection

Thank you in advance for your consideration.

Sincerely,

Melissa Hamsher Permitting Agent

Antero Resources Corporation

Enclosures

API NO. 47-103	_ 03429
OPERATOR W	VELL NO. Orner Unit 2H
Well Pad Nar	me: Dogwood Pad 🗡

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

1) Well Operator:	Antero Reso	ources Corpora	494507062	103-Wetzel	Green	Pine Grove 7.5'
			Operator ID	County	District	Quadrangle
2) Operator's Well	Number: Or	ner Unit 2H	Well Pa	d Name: Dogw	vood Pad	/
3) Farm Name/Surf	face Owner:	Dallison Lumb	er Inc. Public Ro	ad Access: CO	. Route 50	
4) Elevation, currer	nt ground:	1308' E	Elevation, proposed	post-constructi	on:	
5) Well Type (a) Oth	Gas X	Oil _	Und	lerground Stora	ge	
(b)	If Gas Shal		Deep	,		-
A 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		izontal X				
6) Existing Pad: Ye				-		
<ol><li>Proposed Target Marcellus Shale:</li></ol>			cipated Thickness ess- 55 feet, Associ			
8) Proposed Total V	Vertical Depth	1: 7600' TVD	1			
9) Formation at Tot	tal Vertical De	epth: Marcellu	S			
10) Proposed Total	Measured De	epth: 27100'	MD			
11) Proposed Horiz	ontal Leg Ler	ngth: 16258'				
12) Approximate F	resh Water St	rata Depths:	539'			
13) Method to Dete	ermine Fresh V	Water Depths:	47-095-30941			
14) Approximate Sa	altwater Depti	hs: 2341' (47	-095-30941)			
15) Approximate C	oal Seam Dep	oths: 815' (47	7-103-31064)			
16) Approximate D	epth to Possib	ole Void (coal m	nine, karst, other):	None Anticipa	ted	
17) Does Proposed directly overlying o			Yes	No	Х	
(a) If Yes, provide	e Mine Info:	Name:				
		Depth:				
		Seam:				
		Owner:				

OPERATOR WELL NO. Omer Unit 2H

Well Pad Name: Dogwood Pad

18)

### CASING AND TUBING PROGRAM

ТҮРЕ	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#	80	80 /	CTS, 218 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	589	589 <	CTS, 532 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	2500	2500 /	CTS, 1018 Cu. Ft.
Intermediate			1111				
Production	5-1/2"	New	P-110	23#	27100	27100 /	6470 Cu. Ft
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

Bugar Harins 10-13-21

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	~1.18
Fresh Water	13-3/8"	17-1/2"	0.38"	2730	1000	Class A	~1.18
Coal	9-5/8"	12-1/4"	0.352"	3520	1500	Class A	~1.18
Intermediate							
Production	5-1/2"	8-3/4" & 8-1/2"	0.415"	12,630	9300	Lead-H/POZ & Tail - H	H/POZ-1.44 & H-1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

### **PACKERS**

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

WW-6B (10/14)

API NO. 47- 103 - 03429

OPERATOR WELL NO. Orner Unit 2H

Well Pad Name: Dogwood Pad

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

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

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

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

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

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

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 35.9
- 22) Area to be disturbed for well pad only, less access road (acres): 15.40
- 23) Describe centralizer placement for each casing string:

Conductor: no centralizers

Surface Casing: one centralizer 10' above the float shoe, one on the insert float collar and one every 4th joint spaced up the hole to surface.

Intermediate Casing: one centralizer above float joint, one centralizer 5' above float collar and one every 4th collar to surface.

Production Casing: one centralizer at shoe joint and one every 3 joints to top of cement in intermediate casing.

### 24) Describe all cement additives associated with each cement type:

Conductor: no additives, Class A cement.

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

Production: Lead cement- 50/50 Class H/Poz + 1.5% salt + 1% C-45 + 0.5% C-16a + 0.2% C-12 + 0.45% C-20 + 0.05% C-51 Production: Tail cement- Class H + 45 PPS Calcium Carbonate + 1.0% FL-160 + 0.2% ACGB-47 + 0.05% ACSA-51 + 0.2% ACR-20

### 25) Proposed borehole conditioning procedures:

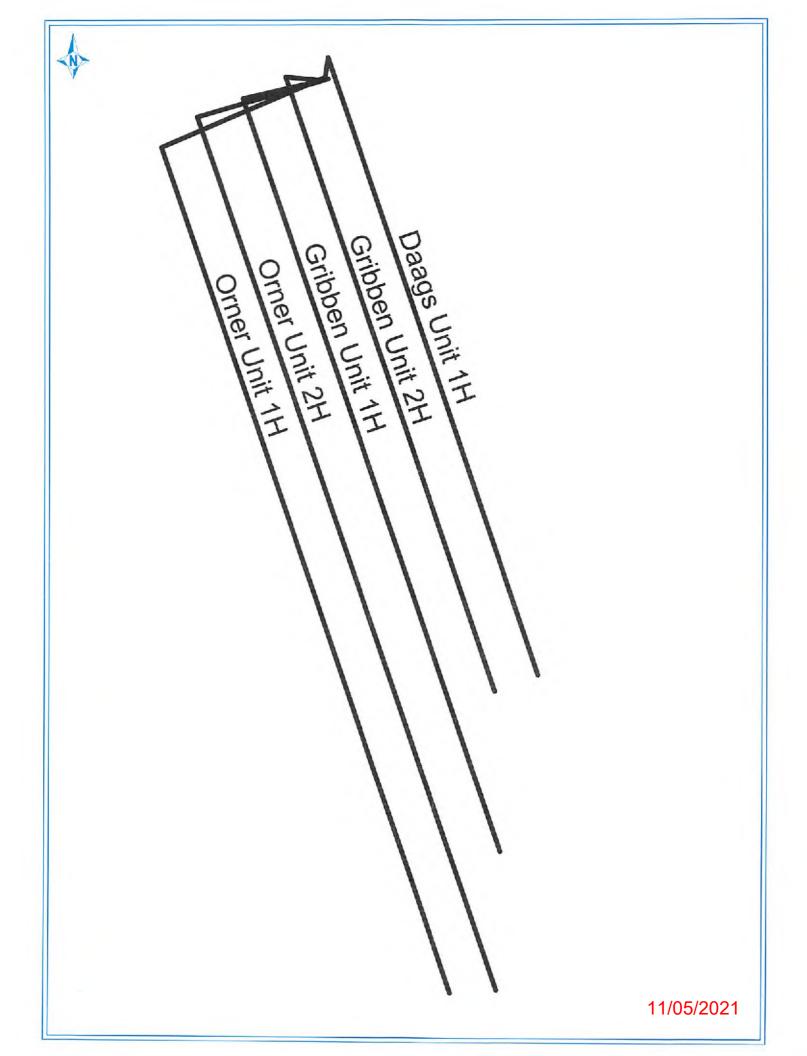
Conductor: blowhole clean with air, run casing, 10 bbls fresh water.

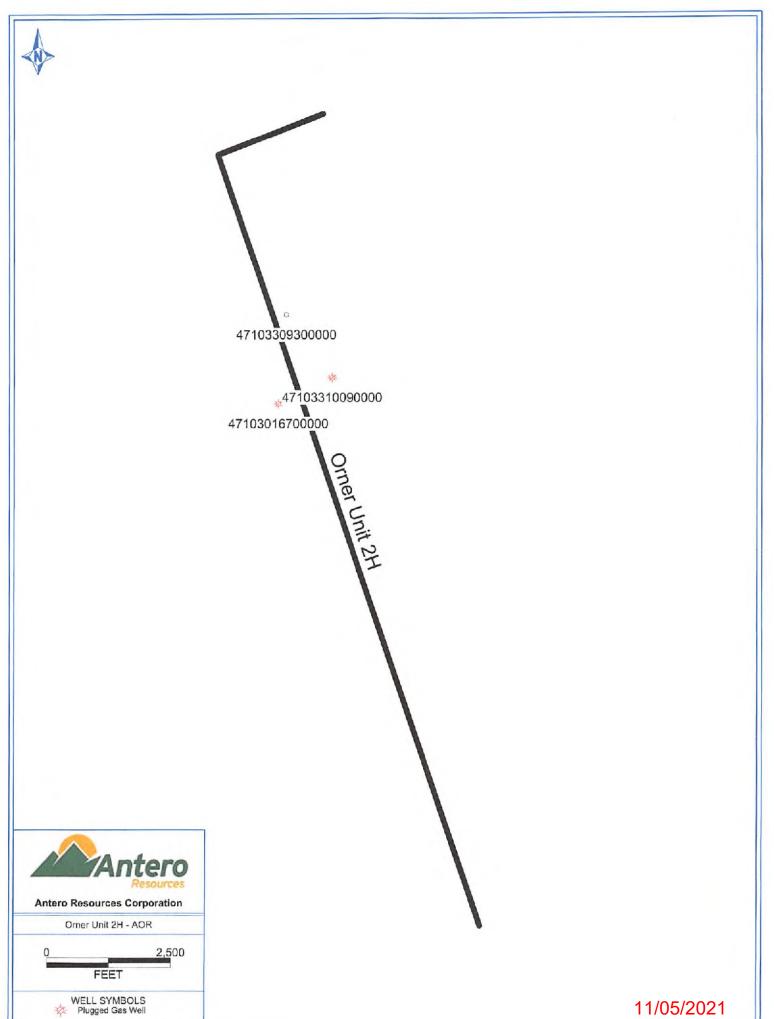
Surface: blowhole clean with air, trip to conductor shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate pipe capacity + 40 bbls fresh water followed by 25 bbls bentonite mud, 10 bbls fresh water spacer.

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

Production: circulate with 14 lb/gal NaCl mud, trip to middle of lateral, circulate, pump high viscosity sweep, trip to base of curve, pump high viscosity sweep, trip to top of curve, trip to bottom, circulate, pump high viscosity sweep, trip out, run casing, circulate 10 bbls fresh water, pump 48 bbls barite pill, pump 10 bbls fresh water followed by 48 bbls mud flush and 10 bbls water.

\*Note: Attach additional sheets as needed.

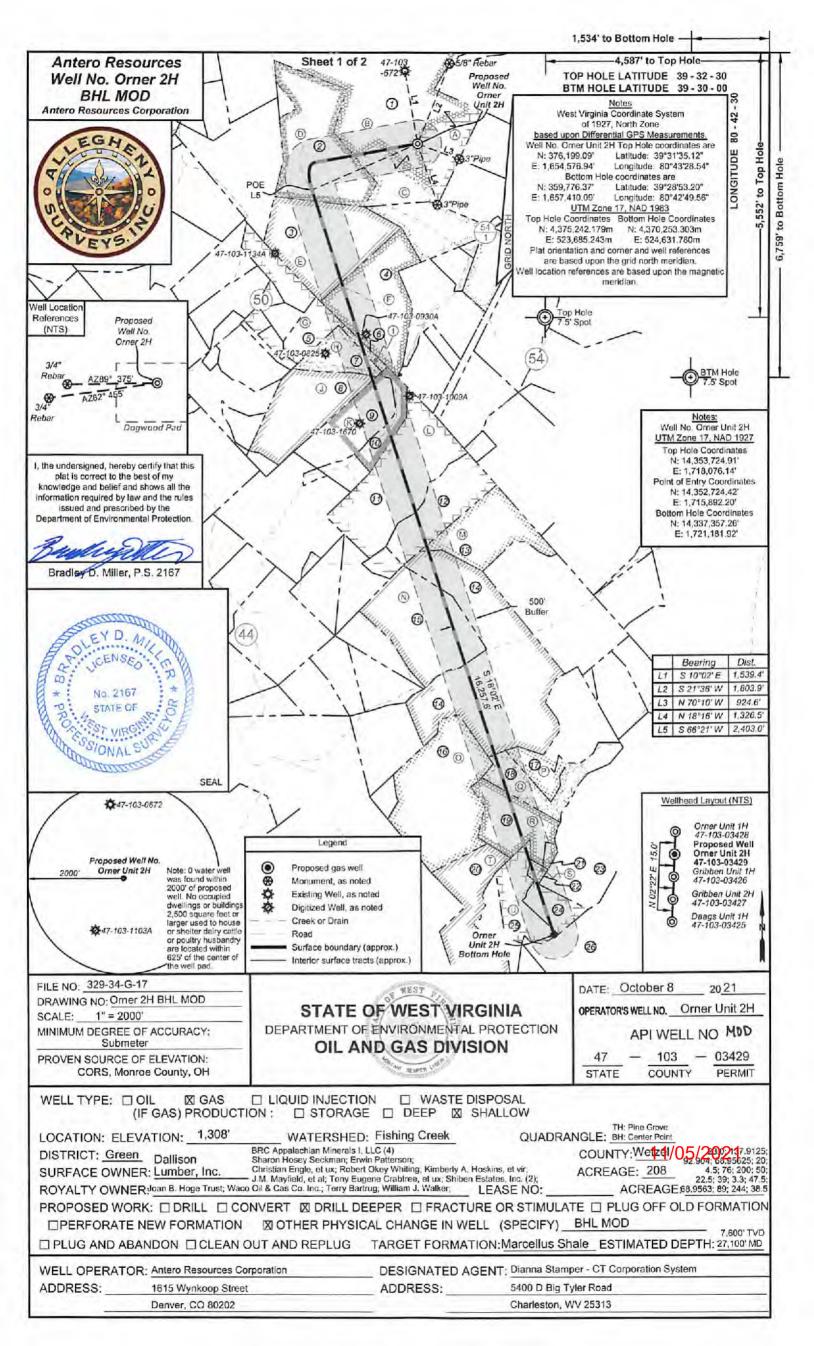




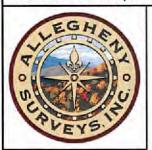
October 29, 2021

# Orner Unit 2H AOR

						Perforated Interval		Producible Formation(s) not
UWI (APINum)	Well Name	Well Number	Operator	Historical Operator	TD	(shallowest, deepest)	TD (shallowest, deepest) Perforated Formation(s)	perfd
47103309300000 LUCIUS HOGUE	LUCIUS HOGUE	5402	HOPE NATURAL GAS	HOPE NATURAL GAS	Unknown	Unknown	Big Lime, Big Injun, Gordon	Big Lime, Big Injun, Gordon Weir, Berea, Benson, Alexander
47103310090000 C & A ENGLE 2	C & A ENGLE 2	1348	MANUFACT LIGHT &HEAT	MANUFACT LIGHT &HEAT MANUFACT LIGHT &HEAT	2,053	Unknown	Maxton, Big Injun, Gordon	Maxton, Big Injun, Gordon Weir, Berea, Benson, Alexander
47103016700000	KERNAN WILLIAM 1	2285	MANUFACT LIGHT &HEAT	47103016700000 KERNAN WILLIAM 1 2285 MANUFACT LIGHT & HEAT MANUFACT LIGHT & HEAT	2,865	2842 - 2848	Gordon	Weir, Berea, Benson, Alexander



Antero Resources Corporation



	Leases
A	Joan B. Hoge Trust
В	Waco Oil & Gas Company Inc.
C	BRC Appalachian Minerals I, LLC
D	Terry Bartrug
E	BRC Appalachian Minerals I, LLC
F	William J. Walker
G	Sandra D. Derby
Н	J.M. Mayfield, et al
1	Tony Eugene Crabtree, et ux
J	Shiben Estates, Inc.
K	Shiben Estates, Inc.
L	Christian Engle, et ux
M	Robert Okey Whiting
N	BRC Appalachian Minerals I, LLC
0	Tribune Resources Minerals, LLC
P	Frank L. Straight
Q	Kimberly A. Hoskins, et vir
R	Sharon Hosey Seckman
S	Erwin Patterson
T	Edward A. Schulte Jr.
U	BRC Appalachian Minerals I, LLC

ID	TM/Par	Owner	Bk/Pg	Acres
1	20-13	Dallison Lumber Inc.	440/243	208.00
2	20-12	Terry Bartrug	361/465	92.90
3	20-24	Lloyd Conley	355/553	89.00
4	20-31	Tony E. & Marion L. Crabtree	365/337	68.95
5	20-42	Sandra D. Derby	384/585	21.80
6	20-44	Tony E. & Marion L. Crabtree	365/337	4.50
7	22-40	Robert L. Jr. & Donna Jones	436/692	16.00
В	22-5	Robert L. Jr. & Donna K. Jones	297/500	76.00
9	22-14.1	Tony E. & Marion L. Crabtree	365/337	41.80
10	22-6	Denzil W. Sloan	305/582	21.23
11	22-19	Coastal Forest Resources Co.	444/105	155.30
12	22-20	Lawrence J. Bish, et al	420/736	63.23
13	22-29	Timothy L. Yoho	377/411	50.00
14	22-34	Coastal Forest Resources Co.	444/105	172.91
15	22-28	Coastal Forest Resources Co.	444/105	77.10
16	3-11	Dominic J. & Delmer M.Kowalski	317/307	106.94
17	25-2	Coastal Forest Resources Co.	444/105	61.93
18	25-3	Coastal Forest Resources Co.	444/105	32.00
19	25-5	Christopher & Dennis Doyle	410/80	39.36
20	3-12	David Schulte, et al	WB14/440	80.73
21	25-9	Christopher & Dennis Doyle	410/80	2.00
22	25-8	Christopher & Dennis Doyle	410/80	3.30
23	25-6	State of West Virginia Public Land Corp.	331/497	216.30
24	25-10	Christopher & Dennis Doyle	410/80	13.00
25	25-13	Christopher & Dennis Doyle	410/80	38.50
26	25-16	Coastal Forest Resources Co.	444/105	139.57

FILE NO: 329-34-G-17

DRAWING NO: Omer 2H BHL MOD

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:
Submeter

PROVEN SOURCE OF ELEVATION:
CORS, Monroe County, OH

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION

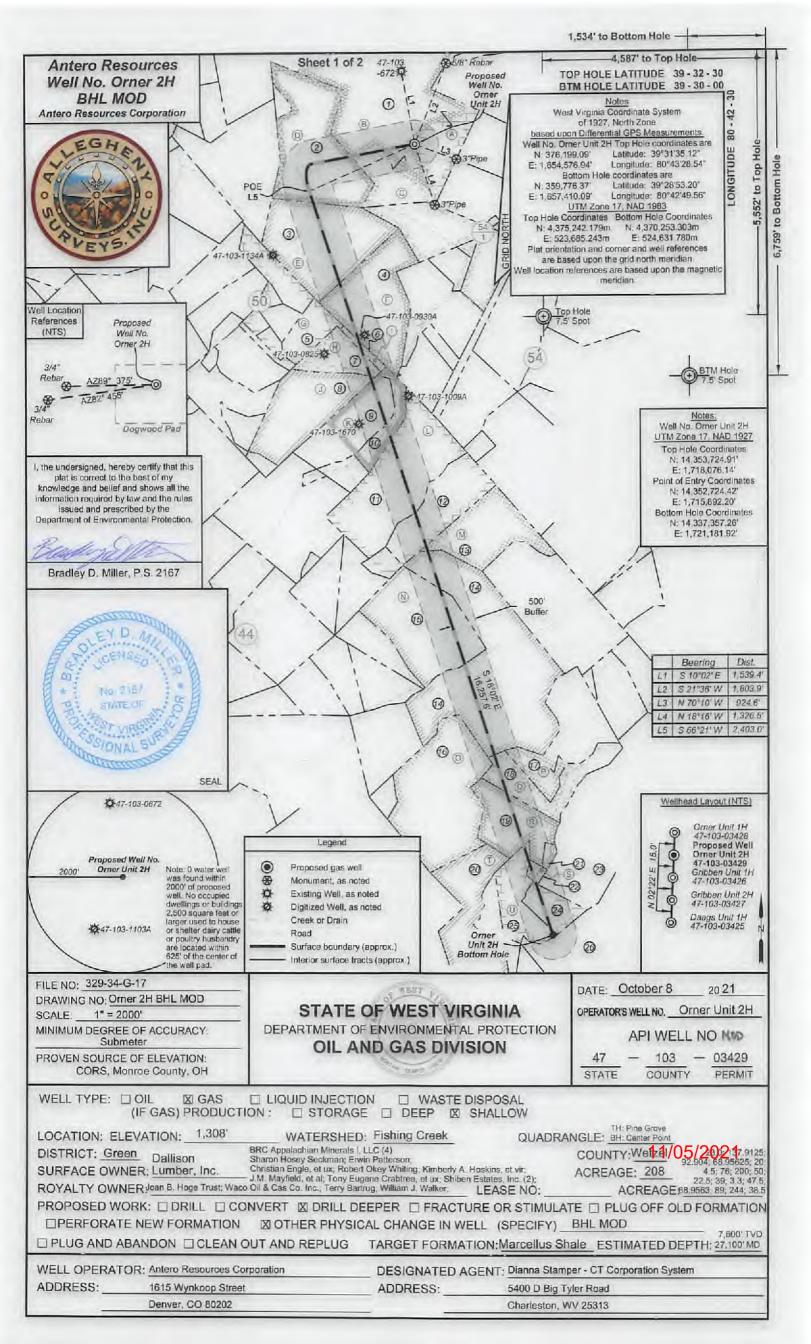
DATE: October 8 20 21

OPERATOR'S WELL NO. Orner Unit 2H

API WELL NO MOD

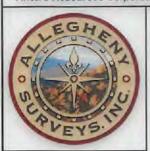
47 - 103 - 03429 STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☐ GAS (IF GAS) PRODUC	☐ LIQUID INJECTION: ☐ STORAG		DISPOSAL SHALLOW		
LOCATION: ELEVATION: 1,308' DISTRICT: Green Dallison SURFACE OWNER: Lumber, Inc. ROYALTY OWNER Joan B. Hoge Trust; V	BRC Appalachian Minerals I. Sharon Hosey Seckman; En- Christian Engle, et ux; Robei J.M. Mayfield, et al; Tony Eu	vin Patterson; rt Okey Whiting; Kimberly gene Crabtree, et ux; Shib	A. Hoskins, et vir;	TH: Pine Grove ANGLE; BH: Center Point COUNTY: Wet 4/ ACREAGE; 208 ACREAGE	05/2002.47.9125; 92,904; 68,95625; 20; 4,5; 76; 200; 50; 22.5; 39; 3.3; 47.5; 58,9563; 89; 244; 38.5
PROPOSED WORK: □ DRILL □ □ PERFORATE NEW FORMATIO □ PLUG AND ABANDON □ CLEAN	CONVERT 🛭 DRILL D N 🖾 OTHER PHYSIC	EEPER FRAC	TURE OR STIMULA	ATE DELUG OFF CORNEL MOD	OLD FORMATION 7,600' TVD
WELL OPERATOR: Antero Resources ADDRESS: 1615 Wynkoop Str	Corporation		10.00 to 10.	nper - CT Corporation Sy	
Denver CO 80203			Charleston	W/V 25313	



Sheet 2 of 2

Antero Resources Corporation



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Submeter
PROVEN SOURCE OF ELEVATION:

CORS, Monroe County, OH

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION

WELL TYPE: ☐ OIL ☐ GAS ☐ LIQUID INJECT (IF GAS) PRODUCTION: ☐ STORA		
DISTRICT: Green Dallison BRC Appalachlen Minerals Sharon Hosey Seckman; E Christian Engle, et ux; Rot	s I, LLC (4)  Envin Patterson;  Dert Okey Whiting; Kimberly A. Hoskins, et vir.  Eugene Crabtree, et ux; Shiben Estates, Inc. (2);  Bartrug; William J. Walker;  LEASE NO:  DEEPER FRACTURE OR STIMU  BICAL CHANGE IN WELL (SPECIFY	THE RESIDENCE OF THE PROPERTY
WELL OPERATOR: Antero Resources Corporation ADDRESS: 1615 Wynkoop Street Denver, CO 80202		amper - CT Corporation System g Tyler Road n, WV 25313

Operator's Well Number

Orner 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, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
3	Waco Oil & Gas, Inc. Lease			
V	Waco Oil & Gas, Inc.	Antero Resources Corporation	1/8+	0184/0741
ৡ	Terry Bartrug Lease			
X	Terry Bartrug	Antero Resources Corporation	1/8+	192A/0903
	BRC Appalachian Minerals I, LLC Lease			
	BRC Appalachian Minerals I, LLC	BRC Working Interest Company, LLC	1/8+	102A/0505
	BRC Working Interest Company, LLC	Chesapeake Appalachia, LLC	Assignment	103A/0470
じ	Chesapeake Appalachia, LLC	Statoil USA Onshore Properties, Inc.	Assignment	120A/0109
	Statoil USA Onshore Properties, Inc.	SWN Exchange Title Holder LLC	Assignment	158A/0801
	SWN Exchange Title Holder LLC	SWN Production Company, LLC	Merger	0013/0296
	SWN Production Company, LLC	Antero Exchange Properties LLC	Assignment	177A/0533
	Antero Exchange Properties LLC	Antero Resources Corporation	Merger	0013/0311
	BRC Appalachian Minerals I, LLC Lease			
6	BRC Appalachian Minerals I, LLC	BRC Working Interest Company, LLC	1/8+	102A/0505
	BRC Working Interest Company, LLC	Chesapeake Appalachia, LLC	Assignment	103A/0470
	Chesapeake Appalachia, LLC	Statoil USA Onshore Properties, Inc.	Assignment	120A/0109
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	SWN Production Company, LLC	Antero Exchange Properties LLC	Assignment	177A/0533
	Antero Exchange Properties LLC	Antero Resources Corporation	Merger	0013/0311
4	William J. Walker Lease			
1	William J. Walker	Antero Resources Corporation	1/8+	197A/0361
	Tony Eugene Crabtree, et ux Lease			
7	Tony Eugene Crabtree, et ux	Antero Resources Corporation	1/8+	230A/0034
	J.M. Mayfield, et al Lease			
	J.M. Mayfield, et al	Carnegie Natural Gas Company	1/8	012A/0529
H	Carnegie Natural Gas Company	Perkins Oil and Gas Inc	Assignment	074A/0277
	Perkins Oil and Gas Inc	Stone Energy Corporation	Assignment	126A/0958
	Stone Energy Corporation	<b>EQT Productions Company</b>	Assignment	183A/0305
	EQT Productions Company	Antero Resources Corporation	Assignment	203A/0783
\	Shiben Estates, Inc Lease			
لم	Shiben Estates, Inc	Antero Resources Corporation	1/8+	257A/0029
V	Shiben Estates, Inc Lease			
~	Shiben Estates, Inc	Antero Resources Corporation	1/8+	257A/0449

Orner Unit 2H

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- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

	Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
	Christian Engle, et ux Lease			
1_	Christian Engle, et ux	C.B. Shaffer	1/8	0055/0082
	C.B. Shaffer South Penn Oil Company		Assignment	UNKNOWN
	South Penn Oil Company	Tri State Gas Company	Assignment	0059/0429
	Tri State Gas Company	Manufacturers Light and Heat Company	Assignment	009A/0141
	Manufacturers Light and Heat Company	A.M Snider and Duane M Snider and Kathleen Rhinehart partners dba Hundred Gas Company	Assignment	048A/0109
	A.M Snider and Duane M Snider and Kathleen	Hundred Gas Company	Assignment	0256/0189
	Rhinehart partners dba Hundred Gas Company			
	Hundred Gas Company	Carl D Perkins	Assignment	055A/0062
	Carl D Perkins	Perkins Oil and Gas Inc	Assignment	075A/0621
	Perkins Oil and Gas Inc	Stone Energy Corporation	Assignment	126A/0958
	Stone Energy Corporation	EQT Production Company	Assignment	183A/0305
	EQT Production Company	Antero Resources Corporation	Assignment	203A/0783
W	Robert Okey Whiting Lease			
•	Robert Okey Whiting	Antero Resources Corporation	1/8+	198A/0537
٠,	BRC Appalachian Minerals I, LLC Lease			
	BRC Appalachian Minerals I, LLC	BRC Working Interest Company, LLC	1/8+	102A/0505
h	BRC Working Interest Company, LLC	Chesapeake Appalachia, LLC	Assignment	103A/0470
	Chesapeake Appalachia, LLC	Statoil USA Onshore Properties, Inc.	Assignment	120A/0109
	Statoil USA Onshore Properties, Inc.	SWN Exchange Title Holder LLC	Assignment	158A/0801
	SWN Exchange Title Holder LLC	SWN Production Company, LLC	Merger	0013/0296
	SWN Production Company, LLC	Antero Exchange Properties LLC	Assignment	177A/0533
	Antero Exchange Properties LLC	Antero Resources Corporation	Merger	0013/0311
٨	Kimberly A. Hoskins, et vir Lease			
Q	Kimberly A. Hoskins, et vir	Antero Resources Corporation	1/8+	219A/0932
Q	Sharon Hosey Seckman Lease			
"	Sharon Hosey Seckman	Antero Resources Corporation	1/8+	226A/0623
	BRC Appalachian Minerals I, LLC Lease			
	BRC Appalachian Minerals I, LLC	BRC Working Interest Company, LLC	1/8+	102A/0505
1)	BRC Working Interest Company, LLC	Chesapeake Appalachia, LLC	Assignment	103A/0470
V	Chesapeake Appalachia, LLC	Statoil USA Onshore Properties, Inc.	Assignment	120A/0109
	Statoil USA Onshore Properties, Inc.	SWN Exchange Title Holder LLC	Assignment	158A/0801
	SWN Exchange Title Holder LLC	SWN Production Company, LLC	Merger	0013/0296
	SWN Production Company, LLC	Antero Exchange Properties LLC	Assignment	177A/0533
	Antero Exchange Properties LLC	Antero Resources Corporation	Merger	0013/0311
9	Erwin Patterson Lease			
•	Erwin Patterson	Antero Resources Corporation	1/8+	11/05/2021
				1 1/00/2021

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

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

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

	Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
BRC	Appalachian Minerals I	, uc			
V		BRC Appalachian Minerals I, LLC BRC Working Interest Company, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties, Inc. SWN Exchange Title Holder LLC SWN Production Company, LLC Antero Exchange Properties LLC	BRC Working Interest Company, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties, Inc. SWN Exchange Title Holder LLC SWN Production Company, LLC Antero Exchange Properties LLC Antero Resources Corporation	1/8+ Assignment Assignment Assignment Merger Assignment Merger	102A/0505 103A/0470 120A/0109 158A/0801 0013/0296 177A/0533 <b>0013/0311</b>

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

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

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

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

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

Well Operator:	Antero Resources Corporation		
By:	Tim Rady	In. Nedy	
Its:	VP of Land	· ·	



#### Stansberry, Wade A <wade.a.stansberry@wv.gov>

### Modification Horizontal H6A Well Work Permit (API: 47-103-03429)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Tue, Nov 2, 2021 at 9:02 AM

To: mhamsher@anteroresources.com, Dani DeVito <ddevito@shalepro.com>, Scott Lemley <slemley@wvassessor.com>, "Harris, Bryan O" <br/> <br/> bryan.o.harris@wv.gov>

I have attached a copy of the newly issued well permit number "ORNER UNIT 2H" . This will serve as your copy.

If you have any questions, then please contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry

**Environmental Resource Specialist 3** 

**West Virginia Department of Environmental Protection** 

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304

(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

