

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.B. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Monday January 31, 2022 PERMIT MODIFICATION APPROVAL New Drill / Modification

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET DENVER, CO 80202

Re: Permit Modification Approval for WELDER UNIT 1H

47-103-03461

Extending Lateral

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: WELDER UNIT 1H

Farm Name: ANTERO RESOURCES CORPORATION

U.S. WELL NUMBER: 47-103-03461

New Drill Modification

Date Modification Issued: 01/31/2022

Promoting a healthy environment.



January 17, 2022

West Virginia Department of Environmental Protection Office of Oil and Gas Attn: Mr. Taylor Brewer 601 57th Street Charleston, WV 25304 Antero Resources 1615 Wynkoop Street Denver, CO 80202 Office 303.357.7310 Fax 303.357.7315

Mr. Brewer:

Antero Resources Corporation (Antero) would like to submit the following permit modifications for approved well on the existing Journeyman Pad: Welder Unit 1H (47-103-03461) Expedited.

Attached you will find the following:

- ➤ Revised Form WW-6B
- Revised Form WW-6A1
- Revised Mylar Plat
- > AOR

If you have any questions please feel free to contact me at (303) 357-7182.

Thank you in advance for your consideration.

Sincerely,

Mallory Stanton Permitting Supervisor

Antero Resources Corporation

Enclosures

RECEIVED Office of Oil and Gas

JAN 18 2022

WV Department of Environmental Protection

RECEIVED Office of Oil and Gas

1 1 9 2022

chech date 1/6/22 # 4003839 \$ 5,000

API NO. 47-103 - 03461 MOD OPERATOR WELL NO. Welder Unit 1H Well Pad Name: Journeyman Pad

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

1) Well Operator:	Antero Resource	s Corporat	494507062	103-Wetzel	Green Pine Grove 7.5"
ax or an Albandara .			Operator ID	County	District Quadrangle
2) Operator's Well l	Number: Welder	Unit 1H	Well !	Pad Name: Jour	neyman Pad 🗸
3) Farm Name/Surfa	ace Owner: Antero F	Resources Corp	oration Public F	Road Access: Eig	ht Mile Road
4) Elevation, curren	t ground: 1,17	5' EI	evation, propos	ed post-construct	ion: 1,154'
5) Well Type (a)	Gas X	Oil X	U	nderground Stora	ge
Oth	er			- Y-2	
(b)I	f Gas Shallow	X	Deep	-	
	Horizonta	ıl X			
6) Existing Pad: Yes					
7) Proposed Target Marcellus Shale:	Formation(s), Dep 7400' TVD, Anticipa	4. 5.		얼마 이 얼마에게 나가면 돼요? 하나 말이다.	
8) Proposed Total V	ertical Depth: 7,				
9) Formation at Total	al Vertical Depth:	Marcellu	JS		
10) Proposed Total	Measured Depth:	26,200'	-		
11) Proposed Horizo	ontal Leg Length:	16,286'			
12) Approximate Fr	esh Water Strata E	epths:	52'		
13) Method to Deter	mine Fresh Water	Depths: 1	03-00326, Depth	s have been adjus	ted according to surface elevations
14) Approximate Sa	Itwater Depths: 1	,642' (refe	erence well 10	3-00326)	
15) Approximate Co	oal Seam Depths:	960' (refe	erence well	103-30927)	
16) Approximate De	epth to Possible Vo	oid (coal mi	ine, karst, other	: None antici	pated
17) Does Proposed v directly overlying or			ns Yes	No.	X
(a) If Yes, provide	Mine Info: Nam	ie:			
	Dep	h:			
	Sean	1:			
	Own	er:			
	/ED aggsGas				
Office of Oil and	1.985	RECEIVED ice of Oil and	400		
IAN 182	770				
WV Depart Eu //www.erite		IAN 18 20	22		Page 1 of 3 03/04/2022
Law onmental Pr	otection	W Departmen	nt of		03/04/2022

WV Department of Environmental Protection

API NO. 47-103 - 03461 MOD

OPERATOR WELL NO. Welder Unit 1H

Well Pad Name: Journeyman 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, 77 Cu. Ft.
Fresh Water	13-3/8	New	J/K-55	54.5#	300	300	CTS, 313 Cu. Ft.
Coal	9-5/8	New	J/K-55	36#	2500	2500	CTS, 1018 Cu. Ft.
Intermediate		-					
Production	5-1/2	New	PY-110	23#	26200	26200	CTS, 5674 Cu. Ft.
Tubing	2-3/8	New	N-80	4.7#			
Liners							

Bryan Harris 1/19/22

ТҮРЕ	Size (in)	Wellbore Diameter (in)	<u>Wall</u> <u>Thickness</u> <u>(in)</u>	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"	0.380"	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	8-3/8"& 8-1/2"	0.415"	12,630	9300		
Tubing	2-3/8	4.778"	0.190"	11,200		Lead-H/POZ & Tail-H	H/POZ-1.44 & H-1.8
Liners					R	ECEIVED	

Office of Oil and Gas

JAN 31 1022

PACKERS

WV Department of Environmental Protection

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

API NO. 47-103	03461 N	MOD
OPERATOR WELL	L NO.	Welder Unit 1H
Well Pad Name:	Journe	yman 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.

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): 33.53

22) Area to be disturbed for well pad only, less access road (acres): $\frac{7.3}{}$

23) Describe centralizer placement for each casing string:

Conductor: No centralizers.

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

Intermediate Casing: One centralizer above float joint, one centralizer 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 Casing: Class A cement with 2-3% calcium chloride and 1/4 lb of flake.
Intermediate Casing: Class A cement with 1/4 lb of flake, 5 gallons of clay treat.
Production Casing 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 Casing Tail Cement: Class H + 45 PPS Calcium Carbonate + 1.0% Flake + 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.

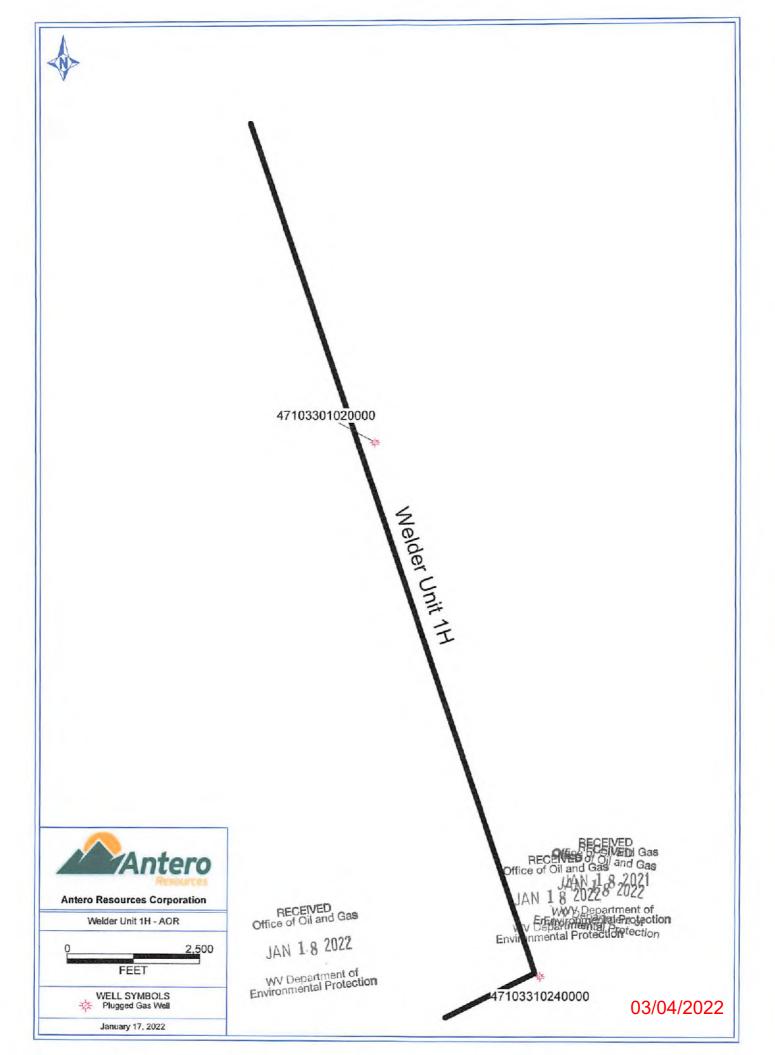
Intermediate: blowhole clean with air, trip to surface casing shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate 40 bbls brine water followed by 10 bbls fresh water and 25 bbls bentonite mud, pump 10 bbls fresh water.

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.

RECEIVED
Office of Oil and Gas

JAN 18 2022



UWI (APINum)	Well Name	Well Number	Operator	Historical Operator	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not perf'd
47103301020000	AMANDA CROSS	:1	UNKNOWN	UNKNOWN	1,564		Maxton	Weir, Benson, Alexander
47103310240000	THOMAS OBRIEN 1	1338	MANUFACT LIGHT &HEAT	MANUFACT LIGHT &HEAT	2,603		Gordon	Welr, Benson, Alexander

RECEIVED Office of Oil and Gas

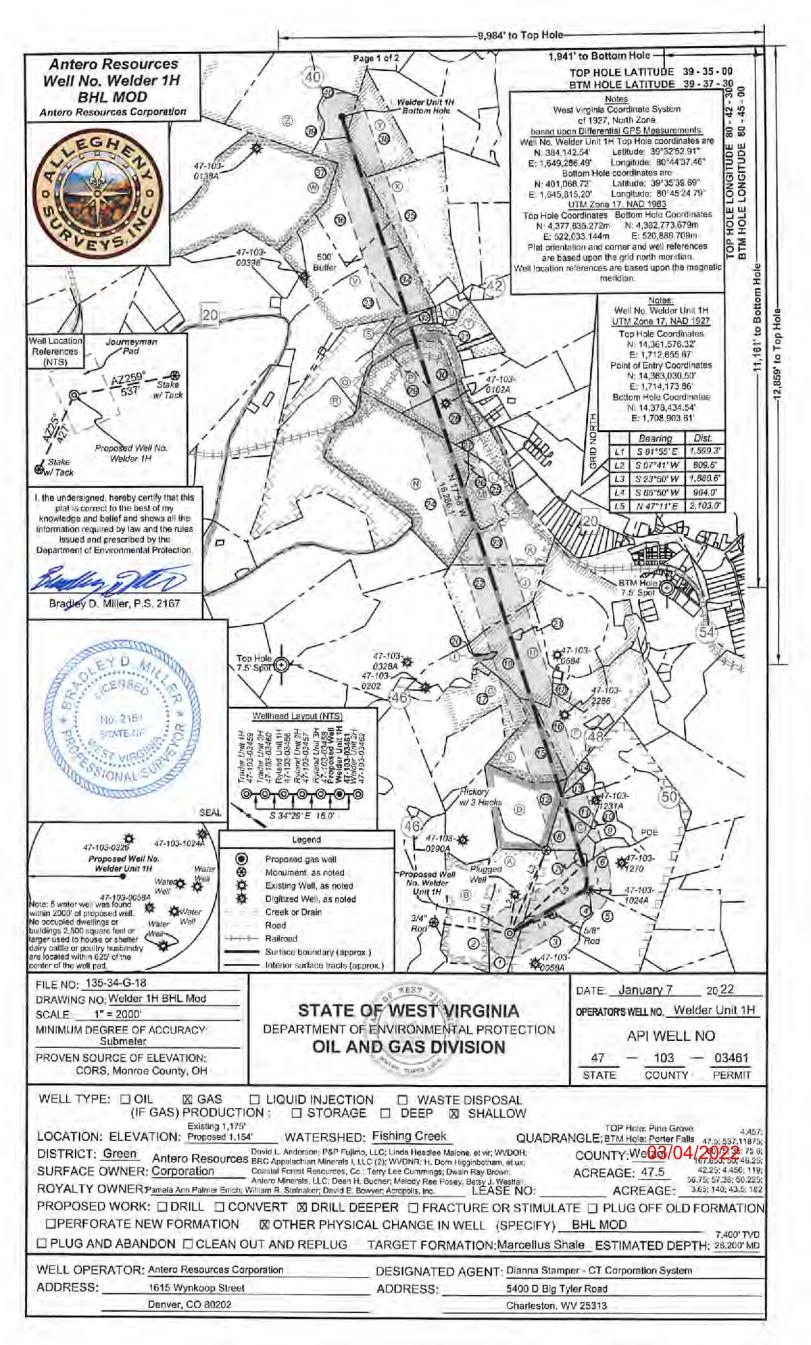
JAN 18 2022

WV Department of Environmental Protection

RECEIVED

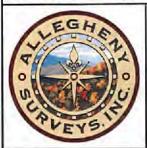
RECEIVED oil and Gas

Office of Office of Nice of Ni



Antero Resources Well No. Welder 1H BHL MOD

Antero Resources Corporation



	Leases
Α	Pamela Ann Palmer Emch
В	BRC Appalachian Minerals I, LLC
C	William R. Stalnaker
D	David E. Bowyer
E	Acropolis, Inc.
F	Antero Minerals, LLC
G	Acropolis, Inc.
Н	Dean H. Bucher
1	Linda Carol Gadd Leatham
J	Melody Ree Posey
K	Coastal Forest Resources Co.
L	Terry Lee Cummings
M	Betsy J. Westfall
N	BRC Appalachian Minerals I, LLC
0	Jeffrey D. Brown
P	Dwain Ray Brown
Q	WVDNR
R	Bounty Minerals, LLC
S	H. Dorn Higginbotham, et ux
T	WVDOH
U	David L. Anderson
٧	BRC Appalachian Minerals ,I LLC
W	Chesapeake Appalachia, LLC
Х	Carolyn Jacobs Hampson
Y	P&P Fujimo LLC
Z	Linda Headlee Malone, et vir

ID.	TM/Par	Owner	Bk/Pg	Acres
1	16-26	Antero Resources Corporation	474/713	47.50
2	16-25	Antero Resources Corporation	474/713	39.00
3	17-22	Perry D. Bucher	411/759	37.65
4	17-58	Pennie Baker	411/735	42.41
5	17-23	Michael Steven Blinkman	461/443	40.10
6	17-60	Ross Bucher	411/765	79.00
7	17-56	Pennie R. & Richard K. Bauer	366/273	1.63
8	17-15.1	Douglas Alan & Shirley Joann Bucher	442/718	12.41
9	17-59	Pennie Baker	446/344	12.51
10	17-15.8	Ross William Bucher, Jr.	411/765	0.37
11	17-15.7	Jeremy & Terry Bucher	365/108	7.37
12	16-16	Donald L. Smith II, et ux	451/925	60.75
13	17-15.6	Jeremy & Terry Bucher	365/108	4.14
14	17-15.5	Jeremy & Terry Bucher	427/509	2.13
15	16-13	Donald L. Smith II, et ux	451/925	35.00
16	13-69	Donald L. Mason	410/759	69.61
17	13-67	Gerold F. & Debra D. Richard	398/544	63.27
18	13-68.2	John R. & Jahnna S. Harter	437/873	2.87
19	13-55	John P. Workman, Jr.	W53/535	48.97
20	13-67.5	Julie A. & Aaron E. Hinderman	398/322	16.44
21	13-42	Brian K. & Rebecca A. Starkey	410/127	1.02
22	13-36	Coastal Forest Resources Co.	444/105	50.00
23	13-28	Coastal Forest Resources Co.	444/105	46.25
24	13-18	Coastal Forest Resources Co.	444/105	119.00
25	13-19	John F. Long Estate, et al	442/101	19.25
26	13-87	Raymond P. & Pamela J. Gaston	429/227	4.45
27	13-88	John F. Long Estate, et al	442/101	26.00
28	13-12.6	Dwain Ray Brown	421/897	15.00
29	13-2	Dwain Ray Brown	421/897	19.75
30	8-42	Dwain Ray Brown	421/897	22.00
31	8-38.9	H. Dorn Higginbotham & Janet L. Workman Higginbotham	363/197	5.00
32	8-38.1	David L. Anderson	340/578	2.25
33	8-47	Larrison Brothers, LLC	417/100	53.62
34	8-29	James L. Scott, Sr., et al	431/50	64,76
35	8-30	Michael L. & Erin M. Greathouse	363/91	76.00
36	8-46	John George	367/478	52.21
37	8-25	Jody Kay Rine, et al	435/542	130.00
38	8-21	BP Mineral Holdings II LLC & Somerset Minerals LP	425/427	43.50
39	8-20.3	Brent A. & Arny S. Boram	427/802	62.60
40	8-20.2	Loraine M. Williams	383/463	15.00

FILE NO: 135-34-G-18

DRAWING NO: Welder 1H BHL Mod

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:
Submeter

PROVEN SOURCE OF ELEVATION:
CORS, Monroe County, OH

Denver, CO 80202

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

DATE: January 7 20 22

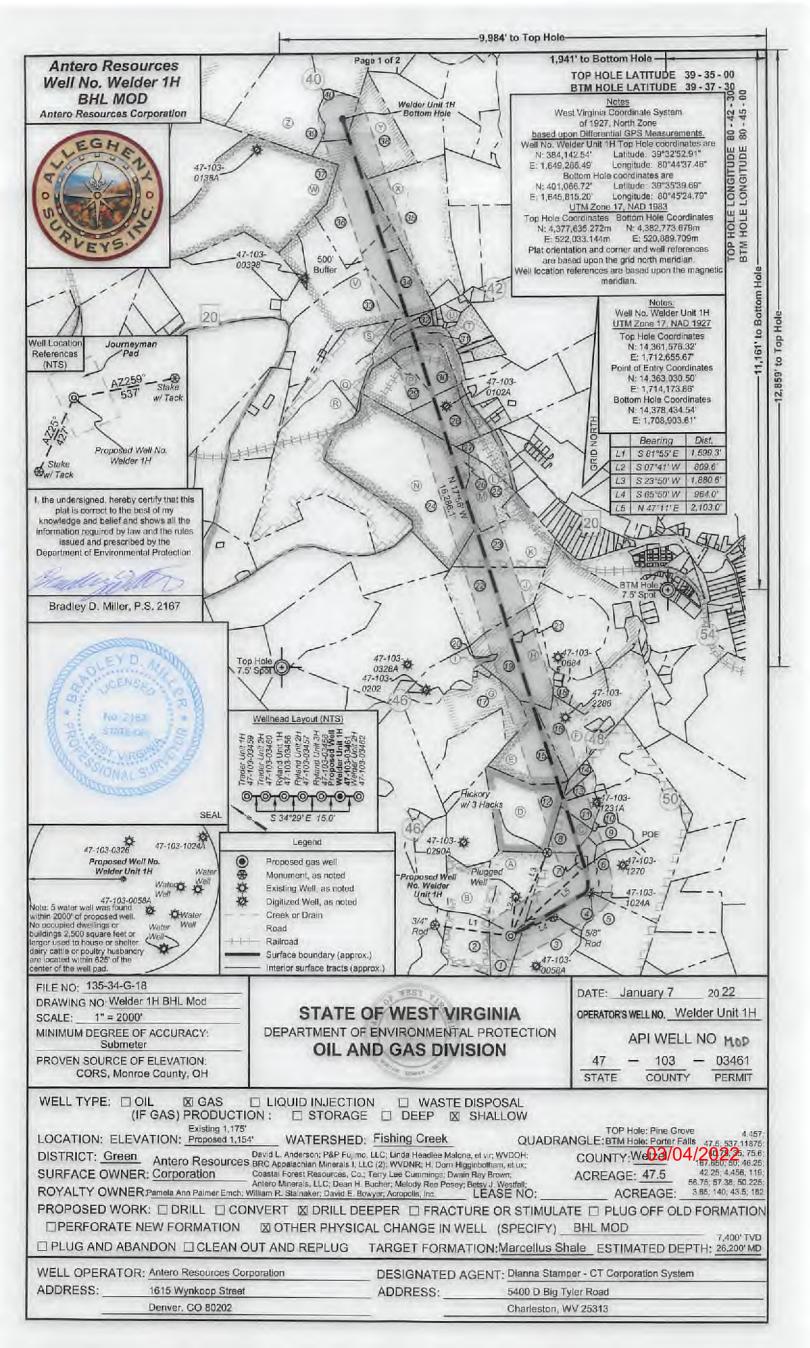
OPERATOR'S WELL NO. Welder Unit 1H

API WELL NO

47 - 103 - 03461 STATE - 103 - 03461 PERMIT

Charleston, WV 25313

WELL TYPE: ☐ OIL ☐ GAS ☐ LIQUID INJECTIO (IF GAS) PRODUCTION : ☐ STORAGE		
LOCATION: ELEVATION: Proposed 1,154' WATERSHED:	Fishing Creek QUADRAN	TOP Hole: Pine Grove 4.457; GLE: BTM Hole: Porter Falls 47.5: 537 11875;
Antero Resources BRC Appalachian Minerals I, LL		GLE:BTM Hole: Porter Falls 47.5: 337 11875; COUNTY: Web 3/04/2072 2: 75.6: 157.650; 50; 46.25; 42.25; 4.456; 119;
	Burher: Melody Ros Presy: Ratey I Westfell:	ACREAGE: 47.5 ACREAGE: 42.25; 4.456; 119; 56.75; 57.38; 50.225; 3.65; 140; 43.5; 182
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☒ DRILL DE		
		BHL MOD 7,400' TVD
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG	TARGET FORMATION: Marcellus Sha	le_ESTIMATED DEPTH: 26,200' MD
WELL OPERATOR: Antero Resources Corporation	DESIGNATED AGENT: Dianna Stampe	r - CT Corporation System
ADDRESS: 1615 Wynkoop Street	ADDRESS: 5400 D Big Tyle	er Road



Antero Resources Well No. Welder 1H BHL MOD

Antero Resources Corporation



	Leases
A	Pamela Ann Palmer Ernch
В	BRC Appalachian Minerals I, LLC
C	William R. Stelneker
D	David E. Bowyer
E	Acropolis, Inc.
F	Antero Minerals, LLC
G	Acropolis, Inc.
H	Dean H. Bucher
1	Linda Carol Gadd Leatham
J	Melody Ree Posey
К	Coastal Forest Resources Co.
L	Terry Lee Cummings
М	Betsy J. Westfall
N	BRC Appalachian Minerals I, LLC
0	Jeffrey D. Brown
P	Dwain Ray Brown
Q	WVDNR
R	Bounty Minerals, LLC
S	H. Dorn Higginbotham, et ux
T	WVDOH
U	David L. Anderson
٧	BRC Appalachian Minerals ,I LLC
W	Chesapeake Appalachia, LLC
X	Carolyn Jacobs Hampson
Y	P&P Fujimo LLC
Z	Linda Headlee Malone, et vir

ID	TM/Par	Owner	Bk/Pg	Acres
1	16-26	Antero Resources Corporation	474/713	47.50
2	16-25	Antero Resources Corporation	474/713	39.00
3	17-22	Perry D. Bucher	411/759	37.65
4	17-58	Pennie Baker	411/735	42.41
5	17-23	Michael Steven Blinkman	461/443	40.10
6	17-60	Ross Bucher	411/765	79.00
7	17-56	Pennie R. & Richard K. Bauer	366/273	1.63
8	17-15.1	Douglas Alan & Shirley Joann Bucher	442/718	12.41
9	17-59	Pennie Baker	446/344	12.51
10	17-15.8	Ross William Bucher, Jr.	411/765	0.37
11	17-15.7	Jeremy & Terry Bucher	365/108	7.37
12	16-16	Donald L. Smith II, et ux	451/925	60.75
13	17-15.6	Jeremy & Terry Bucher	365/108	4.14
14	17-15.5	Jeremy & Terry Bucher	427/509	2.13
15	16-13	Donald L. Smith II, et ux	451/925	35.00
16	13-69	Donald L. Mason	410/759	69.61
17	13-67	Gerold F. & Debra D. Richard	398/544	63.27
18	13-68.2	John R. & Jahnna S. Harter	437/873	2.87
19	13-55	John P. Workman, Jr.	W53/535	48.97
20	13-67.5	Julie A. & Aaron E. Hinderman	398/322	16.44
21	13-42	Brian K. & Rebecca A. Starkey	410/127	1.02
22	13-36	Coastal Forest Resources Co.	444/105	50.00
23	13-28	Coastal Forest Resources Co.	444/105	46.25
24	13-18	Coastal Forest Resources Co.	444/105	119.00
25	13-19	John F. Long Estate, et al	442/101	19.25
26	13-87	Raymond P. & Pamela J. Gaston	429/227	4.45
27	13-88	John F. Long Estate, et al	442/101	26.00
28	13-12.6	Dwain Ray Brown	421/897	15.00
29	13-2	Dwain Ray Brown	421/897	19.75
30	8-42	Dwain Ray Brown	421/897	22.00
31	8-38.9	H. Dorn Higginbotham & Janet L. Workman Higginbotham	363/197	5.00
32	8-38.1	David L. Anderson	340/578	2.25
33	8-47	Larrison Brothers, LLC	417/100	53.62
34	8-29	James L. Scott, Sr., et al	431/50	64.76
35	8-30	Michael L. & Erin M. Greathouse	363/91	76.00
36	8-46	John George	367/478	52.21
37	8-25	Jody Kay Rine, et al	435/542	130.00
38	8-21	BP Mineral Holdings II LLC & Somerset Minerals LP	425/427	43,50
39	8-20.3	Brent A. & Amy S. Boram	427/802	62.60
40	8-20.2	Loraine M. Williams	383/463	15.00

FILE NO: 135-34-G-18

DRAWING NO: Welder 1H 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

WEST.

DATE: January 7 2022

OPERATOR'S WELL NO. Welder Unit 1H

API WELL NO

STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☐ GAS ☐ LIQUID INJECT (IF GAS) PRODUCTION : ☐ STORAGE Existing 1,175	GE DEEP X SHAL	LOW Hole: Bine Grove					
LOCATION: ELEVATION: Proposed 1,154' WATERSHE	D: Fishing Creek	QUADRANGLE: BTM Hole: Porter Falls 47.5: 537.11875:					
DISTRICT: Green Antero Resources BRC Appelachies Minerals I	imo, LLC; Linda Headlee Malone, et vir; V	QUADRANGLE: BTM Hole: Porter Falls 47.5: 537, 11875; wboh; county: Web3/04/20225: 75.6: m, et ux:					
SURFACE OWNER; Corporation Coastal Forest Resources, Co., Terry Lee Cummings; Dwain Ray Brown; ACREAGE: 47.5 42.25; 4.456; 119;							
ROYALTY OWNER Pamela Ann Palmer Emch; William R. Stalnaker; David E. Bowyer, Acropolis, Inc. LEASE NO: ACREAGE: 3.65; 140; 43.5; 182							
PROPOSED WORK: □ DRILL □ CONVERT ☒ DRILL DEEPER □ FRACTURE OR STIMULATE □ PLUG OFF OLD FORMATION							
□PERFORATE NEW FORMATION ☑ OTHER PHYS		(SPECIFY) BHL MOD					
□ PLUG AND ABANDON □ CLEAN OUT AND REPLUG		7,400' TVD					
WELL OPERATOR: Antero Resources Corporation	DESIGNATED AGENT: Dianna Stamper - CT Corporation System						
ADDRESS: 1615 Wynkoop Street	ESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road						
Denver, CO 80202		Charleston, WV 25313					

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
	Pamala Ann Palmer Emch Lease			
A	Pamala Ann Palmer Emch	Chesapeake Appalachia LLC	1/8÷	129A/0350
h	Chesapeake Appalachia LLC	SWN Production Company	Assignment	157A/0540
	SWN Production Company	Antero Exchange Properties, Inc	Assignment	177A/0533
	Antero Exchange Properties, Inc	Antero Resources Corporation	Merger	0013/0311
r	William R. Stalnaker Lease			
C	William R. Stalnaker	Antero Resources Corporation	1/8+	179A/0069
7	David E. Bowyer Lease			
V	David E. Bowyer	Antero Resources Corporation	1/8+	177A/0099
,	Acropolis Inc. Lease			
K	Acropolis Inc.	Drilling Appalachian Corporation	1/8+	214A/0149
	Drilling Appalachian Corporation	Antero Resources Corporation	Assignment	215A/0930
L	Antero Minerals, LLC Lease			
•	Antero Minerals, LLC	Antero Resources Corporation	1/8+	250A/0795
H	Dean H. Bucher Lease Dean H. Bucher	Autoro Bassimos Companhian	1/0.	2624/40
•		Antero Resources Corporation	1/8+	262A/19
٨	Melody Ree Posey Lease Melody Ree Posey	Antero Resources Corporation	1/8+	187A/395
,	Coastal Forest Resources Co Lease			
*	Coastal Forest Resources Co	Antero Resources Corporation	1/8+	273A/764
	Terry Lee Cummings Lease			
レ	Terry Lee Cummings	Antero Resources Corporation	1/8+	235A/81
M	Betsy J Westfall Lease Betsy J Westfall	Antero Resources Corporation	1/8+	198A/40
	•	The resources corporation	2/0.	2507,40
1	BRC Appalachian Minerals I LLC Lease BRC Appalachian Minerals I LLC	BRC Working Interest Company LLC	1/8	102A/505
μ	BRC Working Interest Company LLC	Chesapeake Appalachia LLC	Assignment	103A/470
	Chesapeake Appalachia LLC	SWN Production Company	Assignment	157A/540
	SWN Production Company	Antero Exchange Company	Assignment	177A/533
	Antero Exchange Properties LLC	Antero Resources Corporation	Merger	12/311
8	<u>Dwain Ray Brown Lease</u> Dwain Ray Brown	Antero Resources Corporation	1/8+	233A/32
			±/ 0 ⁺	LJJNJJL
Q	WVDNR Lease RECEIVED Gas Office of Oil and Gas	Antero Resources Corporation	1/8	206A/420
IAN 18 2022			O.	3/04/2022

OP Department of Department of Environmental Protection

03/04/2022

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
1	WVDOH Lease WVDOH	Antero Resources Corporation	1/8+	Lease attached
5	H. Dorn Higginbotham et ux Lease H. Dorn Higginbotham et ux	Antero Resources Corporation	1/8+	274A/792
V	David L Anderson Lease David L Anderson	Antero Resources Corporation	1/8+	274A/598
V	BRC Appalachian Minerals I LLC Lease BRC Appalachian Minerals I LLC BRC Working Interest Company LLC Chesapeake Appalachia LLC SWN Production Company Antero Exchange Properties LLC	BRC Working Interest Company LLC Chesapeake Appalachia LLC SWN Production Company Antero Exchange Properties Antero Resources Corporation	1/8 Assignment Assignment Assignment Merger	102A/505 103A/470 157A/540 177A/533 13/311
4	P & P Fujimo LLC Lease P & P Fujimo LLC	Antero Resources Corporation	1/8+	210A/529

RECEIVED Office of Oil and Gas

JAN 18 2022

WV Department of Environmental Protection

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 Linda Headlee Malone et vir Lease

> Linda Headlee Malone et vir Perkins Oil and Gas Inc Stone Energy Corporation **EQT Production Company**

Perkins Oil and Gas Inc **Stone Energy Corporation EQT Production Company Antero Resources Corporation**

1/8 Assignment Assignment **Assignment** 88A/114 126A/958 183A/305 273A/793

*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.

RECEIVED
Office of Oil and Gas

JAN 18 2022

Well Operator: Antero Resources Corporation

Tim Rady By:

VP of Land Its:

WV Department of Environmental Protection



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

Expedited Horizontal H6A Well Work Permit API: 47-103-03461, 03462)

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

Wed, Feb 2, 2022 at 7:06 AM

<slemley@wvassessor.com>

I have attached a copy of the newly issued well permit number. This will serve as your copy.

47-103-03461 - WELDER UNIT 1H 47-103-03462 - WELDER UNIT 2H

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

2 attachments

