

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, June 26, 2023 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET

DENVER, CO 80202

Re:

Permit Modification Approval for RINGNUS UNIT 1H

47-095-02862-00-00

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: RINGNUS UNIT 1H

U.S. WELL NUMBER: 47-095-02862-00-00

Farm Name: DAVID E BOWYER

Horizontal 6A New Drill

Date Modification Issued: 06/26/2023

Promoting a healthy environment.

API	NO. 47- 095	- 02862		er.
	OPERATOR	WELL NO.	Ringnus Unit 1H MOD	-
	Well Pad N	lame: Dry Ri	ın Pad	

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

) Well Operator: Antero Resources Corporal 494507062 095 - Tyler Lincoln	Paden Citý 7.5'
Operator ID County District	Quadrangle
2) Operator's Well Number: Ringnus Unit 1H MOD / Well Pad Name: Dry Run Pad	
B) Farm Name/Surface Owner: David E. Bowyer Public Road Access: Dry Run Roa	ad '
4) Elevation, current ground: Elevation, proposed post-construction: 1007	71
5) Well Type (a) Gas X Oil Underground Storage	
Other	
(b)If Gas Shallow X Deep	
Horizontal X	
6) Existing Pad: Yes or No Yes	
7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s) Marcellus Shale: 6700' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2850#):
8) Proposed Total Vertical Depth: 6700' TVD	
9) Formation at Total Vertical Depth: Marcellus	
10) Proposed Total Measured Depth: 27,300' MD	
11) Proposed Horizontal Leg Length: 18,300.3'	
12) Approximate Fresh Water Strata Depths: 375', 520'	
13) Method to Determine Fresh Water Depths: 47095002750000 Offset well records. Depths have been adjusted to Approximate Saltwater Depths: 1653'	ed according to surface elevations.
15) Approximate Coal Seam Depths: None Anticipated	
16) Approximate Depth to Possible Void (coal mine, karst, other): None Anticipated	
17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No _X	RECEIVED
(a) If Yes, provide Mine Info: Name:	Office of Oil and Ga
Depth:	JUN 2 1 2023
Seam:	WV Department or
Owner:	Environmental Protecti

Page 1 of 3

WW-6B (04/15) API NO. 47-_095 __02862

OPERATOR WELL NO. Ringnus Unit 1H MOD
Well Pad Name: Dry Run 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	79#	100'	100'	CTS, 96 Cu. Ft.
Fresh Water	13-3/8"	New	J/K-55	54.5#	570'	570'	CTS, 594 Cu. Ft.
Coal	9-5/8"	New	J-/K55	36# "	2500'	2500'	CTS, 1018 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P-110CY	20#	27300'	27300'	CTS, 5951 Cu. Ft.
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

ТҮРЕ	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

Kind:	N/A	RECEIVED
Sizes:	N/A	Office of Oil and Gas
Depths Set:	N/A	JUN 2 1 2023

WV Department of Environmental Protection

Page 2 of 3



WW-6B (10/14)

API NO. 47- 095 - 02862

OPERATOR WELL NO. Ringnus Unit 1H MOD
Well Pad Name: Dry Run 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): 22.85 acres
- 22) Area to be disturbed for well pad only, less access road (acres): 9.70 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 + 0.05% ACR-20 + 0.05% ACSA-20 + 0.05% ACSA-20 + 0.05% ACR-20 + 0.05% AC

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Office of Oil and Gas

JUN 2 1 2023

25) Proposed borehole conditioning procedures:

WV Department of Environmental Protection

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.

Page 3 of 3



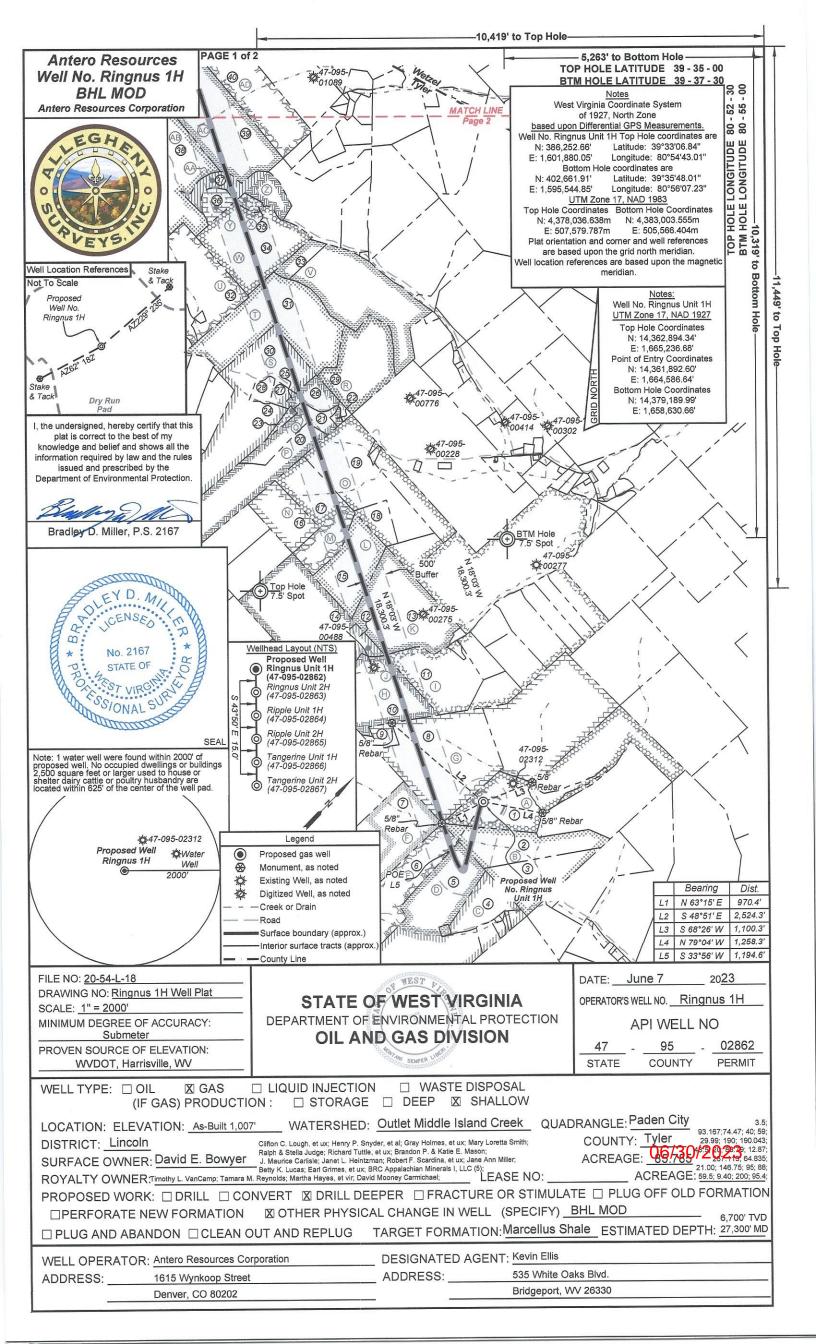
	roterono.	Historical Operator	TD Perforated Int	terval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not perio
Well Name	Well Number			0100	Daves Lifth	Weir Benson, Alexander
On the same	O GORD STEENING	DENHOLM CORP	3,234	7507 - 7027	Delea, Illia	

Office of Oil and Ges

JUN 1 A 2023

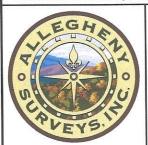
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Environmental Protection

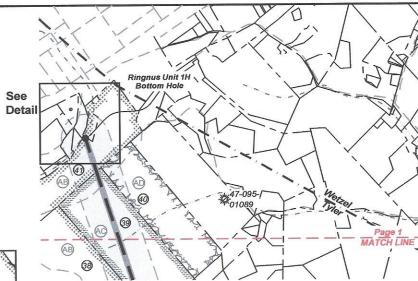


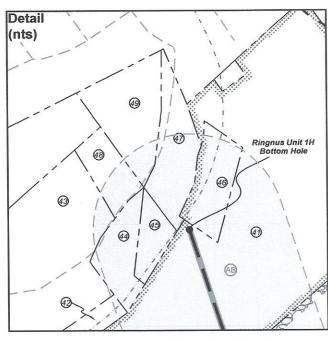
Antero Resources Well No. Ringnus 1H BHL MOD

Antero Resources Corporation









	Leases
Α	Timothy L. Vancamp
В	Tamara M. Reynolds
С	Blanch B. Bailey, et ux
D	Martha Hayes, et vir
Е	David Mooney Carmichael
F	Betty K. Lucas
G	BRC Appalachian Minerals I LLC
Н	Earl Grimes, et ux
1	J. Maurice Carlisle
J	BRC Appalachian Minerals I, LLC
K	Janet L. Heintzman
L	BRC Appalachian Minerals I, LLC
M	Robert F. Scardina, et ux
N	Robert F. Scardina, et ux
0	Jane Ann Miller

	Leases
Р	BRC Appalachian Minerals I, LLC
Q	Richard L. Clark
R	Drilling Appalachian Corporation
S	Ralph & Stella Judge
Т	Richard Tuttle, et ex
U	Richard Tuttle, et ex
V	Waco Oil & Gas Co Inc.
W	Brandon P. & Katie E. Mason
Х	Mary Loretta Smith
Υ	Clifton C. Lough, et ux
Z	Lee & Hall Royalties
AA	BRC Appalachian Minerals I, LLC
AB	Henry P. Snyder, et al
AC	Gary Holmes, et ux
AD	Bounty Minerals, LLC

ID	TM-Par	Owner	Bk/Pg	Acres
1	9-19	David E. Bowyer	OR16/22	85.79
2	9-31.1	David E. Bowyer	OR16/22	38.04
3	9-31	David E. Bowyer	OR16/22	31.45
4	9-30	Ervin Leslie & Betty M Bassett	309/391	19.57
5	9-28	Constance Heintzman	WB43/505	104.50
6	9-27	Robert Livio Bolner	226/593	59.00
7	9-24	Ethan A. & Marsha L. Riffle	299/26	82.00
8	9-17	Ethan A. & Marsha L. Riffle	323/649	90.04
9	9-17.1	James E. VanCamp & Barbie J. Palmer	318/485	4.90
10	9-16	Donald Grimes	547/631	118.21
11	9-6.1	Larry G. & Joyce Ann Kaprich	326/874	40.51
12	9-4	Brandon Scott Grimes	637/841	20.00
13	9-5	Chad & Janet L. Heintzman	330/527	64.35
14	9-3	Donald Grimes	547/631	67.00
15	5-18	Melvin S. Stern, et al	222/185	43.50
16	5-12	Robert F. Scardina and Rita K. Scardina	320/646	25.00
17	5-13	Robert F. Scardina and Rita K. Scardina	320/646	46.00
18	5-16	Kenneth W. & Susan D. Paden	215/390	11.11
19	5-14	Kenneth W. & Susan D. Paden	215/390	55.22
20	5-9.4	Neil R. Stebbins	366/436	51.48
21	5-9	Sally Anderson	368/92	25.89
22	5-9.2	Bryan Scott & Eleanor A. Campbell	350/334	1.23
23	5-6	Stephen D. & Pamela Lynn Hayes	368/92	2.11
24	5-4	Ralph D. & Sophia Judge	306/681	60.77
25	5-9.1	Stephen D. Hayes	333/313	1.28

ID	TM-Par	Owner	Bk/Pg	Acres
26	5-9.3	Franklin G. & Nancy M. Broughman	351/143	8.92
27	5-5	Ralph David & Sophia Viola Judge	212/572	3.58
28	5-3	Warren P. Judge	345/89	4.10
29	5-8	Franklin & Nancy Broughman	338/292	33.17
30	5-2.1	John Goode	OR28/720	27.52
31	5-1	Richard Lee & Linda Tuttle	362/43	88.00
32	4-69	Richard Lee & Linda Tuttle	362/43	87.47
33	5-35	Ethel & Timothy Brown	AR45/28	8.50
34	5-36	Brandon P. Mason and Katie E. Mason	396/464	56.86
35	5-38	Clegg Family Irrevocable Trust	361/387	3.5
36	4-68	Clifton C. & Allyson B. Lough	354/569	9.00
37	5-37	Clegg Family Irrevocable Trust	369/576	19.80
38	1-7	Floyd O. & Alice M. Bungard	270/220	86.83
39	1-8	Gary & Marsha L. Holmes	372/325	95.40
40	2-1	Lloyd Wayne & Lottie Cross	188/383	50.00
41	15-12	Mike Ross Inc.	459/59	69.45
42	1-9	Anna & Ashley Efaw	OR80/548	2.27
43	1-15	G.R. & Patti R. Casteel	412/395	11.44
44	1-11.1	Lloyd Lewis & Edward Robert	256/596	2.00
45	1-11	Lloyd Sr. & Mary M. Lewis	285/447	1.35
46	1-27	Lloyd Lewis	295/505	2.50
47	1-12	Mary Ellen Lewis	308/96	2.21
48	1-14	Glen R & Patti R Casteel Life Estate	412/398	2.16
49	1-13	Thomas & Jennifer Winegardner	OR144/329	3.74

FILE NO: 20-54-L-18

DRAWING NO: Ringnus 1H Well Plat

SCALE: 1" = 2000'

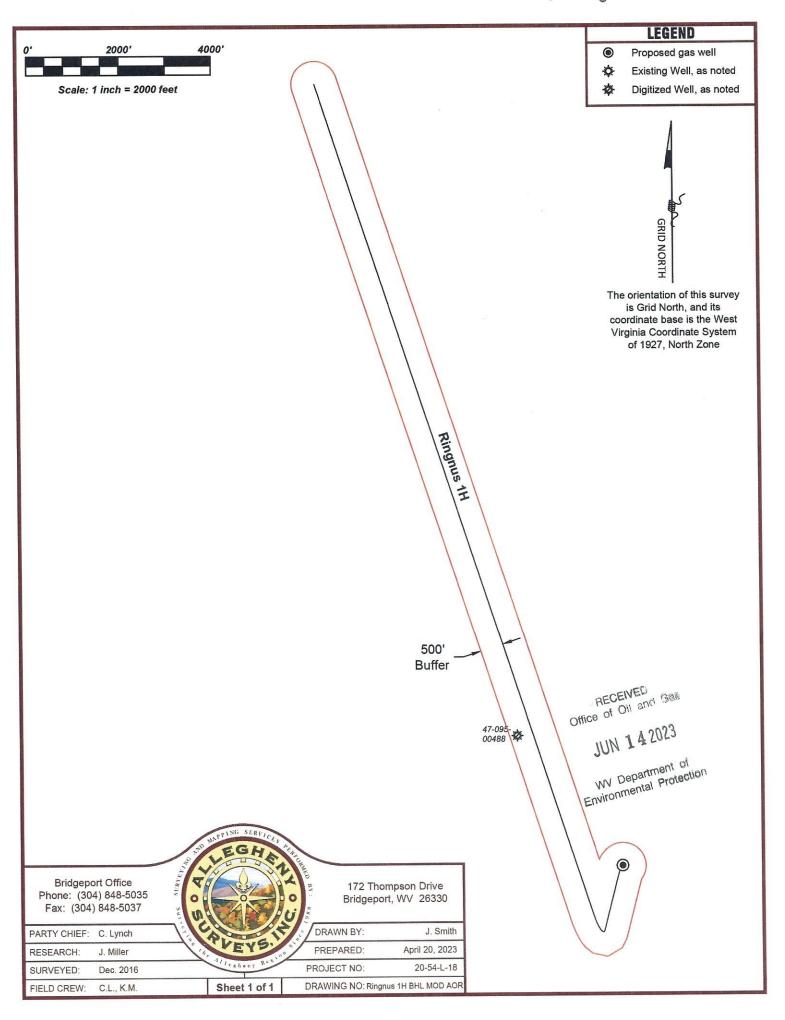
MINIMUM DEGREE OF ACCURACY:
Submeter

PROVEN SOURCE OF ELEVATION:
WVDOT, Harrisville, WV

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

DATE: _	Ju	ne 7		_ :	20 <u>23</u>		
OPERATOR	R'S WE	LL NO	Rin	ıgn	us 1H		
API WELL NO							
47	47 -				02862		
STATE		COU	NTY		PERMIT		

				01711		
WELL TYPE: □ OIL ☒ GAS (IF GAS) PRODUCTION	☐ LIQUID INJECTIO ON: ☐ STORAGE		DISPOSAL RECU SHALLOW OF O	EIVED il and Go-		
LOCATION: ELEVATION: As-Built 1,007 DISTRICT: Lincoln SURFACE OWNER: David E. Bowyer ROYALTY OWNER: Timothy L. VanCamp: Tamara M PROPOSED WORK: DRILL CO DPERFORATE NEW FORMATION PLUG AND ABANDON CLEAN C	Clifton C. Lough, et ux; Henry P. S. Ralph & Stella Judge; Richard Tutt J. Maurice Carlisle; Janet L. Heint Betty K. Lucas; Earl Grimes, et ux; Reynolds; Martha Hayes, et vir; Da NVERT X DRILL DE X OTHER PHYSIC	nyder, et al; Gray Holmes, et u: le, et ux; Brandon P. & Katie E zman; Robert F. Scardina, et u: BRC Appalachian Minerals I, I vid Mooney Carmichael; EEPER ☐ FRAC CAL CHANGE IN I	is Jane Ann Miller; WV Departm	ent of A E st eatiBAUG HL MOD	:063867 ACREAGE: OFF OLD	2023; 64.835; 21.00; 146.75; 95; 88; 59.5; 9.40; 200; 95.4; FORMATION - 6,700' TVD
WELL OPERATOR: Antero Resources Cor	rporation	_ DESIGNATED	AGENT: Kevin Ellis			
ADDRESS: 1615 Wynkoop Street		_ ADDRESS:	535 White Oak	s Blvd.		
Denver, CO 80202			Bridgeport, W	/ 26330		



Operator's Well Number

Ringnus U	Jnit 1H	MOD
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INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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

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

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
A: Timothy L. VanCamp Lease			
Timothy L. VanCamp	Chesapeake Appalachia LLC	1/8	354/704
Chesapeake Appalachia LLC	Statoil USA Onshore Properties Inc.	Assignment	423/152
Statoil USA Onshore Properties Inc.	EQT Production Company	Assignment	539/239
EQT Production Company	Antero Resources Corporation	Assignment	134/172
B: Tamara M. Reynolds Lease			Latin property • 10 April 1980
Tamara M. Reynolds	Antero Resources Corporation	1/8+	616/634
/ D: Martha A. Hayes et vir Lease			
Martha A. Hayes et vir	Antero Resources Corporation	1/8	522/457
E: David Mooney Carmichael Lease		4/0	CC0/F07
David Mooney Carmichael	Triad Hunter LLC	1/8	668/587 56/718
Triad Hunter LLC	Antero Resources Corporation	Assignment	30//10
/A: Timothy L. Vancamp Lease		47	
Timothy L. VanCamp	Chesapeake Appalachia LLC	1/8	354/704
Chesapeake Appalachia LLC	Statoil USA Onshore Properties Inc.	Assignment	423/152
Statoil USA Onshore Properties Inc.	EQT Production Company	Assignment	539/239
EQT Production Company	Antero Resources Corporation	Assignment	134/172
F: Betty K. Lucas Lease	Autous Bossoussa Councestian	1/8+	665/798
Betty K. Lucas	Antero Resources Corporation	1/07	003/738
G: BRC Appalachian Minerals I LLC Lease			
BRC Appalachian Minerals I LLC	BRC Working Interest Company LLC	1/8	369/300
BRC Working Interest Company LLC	Chesapeake Appalachia, LLC	Assignment	369/784
Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc	Assignment	378/764
Statoil USA Onshore Properties Inc	SWN Exchange Titleholder LLC	Assignment	470/668
SWN Exchange Titleholder LLC	SWN Production Company LLC	Merger	9/404
SWN Production Company LLC	Antero Exchange Properties	Assignment	544/242
Antero Exchange Properties	Antero Resources Corporation	Merger	525/315
H: Earl Grimes, et ux Lease		1/0	210/205
Earl Grimes, et ux	John Richmond	1/8ECEIVED Gas	210/296
John Richmond	Jack Holden	1/8 ECCIVED Assignment Oil and Gas	212/315 390/758
Jack Holden	Nancy J. Holden		402/569
Nancy J. Holden	Triad Hunter LLC	Assignment 1 A 2023	1. The second rate • 100 per continue to the
Triad Hunter LLC	Antero Resources Corporation	Assignment 1 4 2023	56/718
I: J. Maurice Carlisle Lease		1/8¥ Department of	220 /
J. Maurice Carlisle	Antero Resources Corporation	1/8¥ Department of Environmental Protection	229/723

Operator's Well Number

Ringnus	Unit 1H	MOD
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INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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- (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:

, approach claims the right to	Overtee Janeau ata	Royalty	Book/Page
Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	DOOK! age
A			
J: BRC Appalachian Minerals I, LLC Lease	BRC Working Interest Company LLC	1/8	369/300
BRC Appalachian Minerals I LLC	Chesapeake Appalachia, LLC	Assignment	369/784
BRC Working Interest Company LLC		Assignment	378/764
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Statoil USA Onshore Properties Inc	SWN Exchange Titleholder LLC	Merger	9/404
SWN Exchange Titleholder LLC	SWN Production Company LLC	Assignment	544/242
SWN Production Company LLC	Antero Exchange Properties	Merger	525/315
Antero Exchange Properties	Antero Resources Corporation	Merger	220,020
			Χ.
/K: Janet L. Heintzman Lease		4/0.	235/414
Janet L. Heintzman	Antero Resources Corporation	1/8+	253/414
L: BRC Appalachian Minerals I, LLC Lease			
BRC Appalachian Minerals I LLC	BRC Working Interest Company LLC	1/8	369/300
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Afficial Exchange Properties	Americ Messalisas es, persalis		
/ M: Robert F. Scardina, et ux Lease	Autora Barranas Componetion	1/8+	235/654
Robert F. Scardina, et ux	Antero Resources Corporation	1/61	235,00
O: Jane Ann Miller Lease		W #80	44/400
Jane Ann Miller	Antero Resources Corporation	1/8+	11/400
P: BRC Appalachian Minerals I, LLC Lease			
BRC Appalachian Minerals I LLC	BRC Working Interest Company LLC	1/8	369/300
BRC Working Interest Company LLC	Chesapeake Appalachia, LLC	Assignment	369/784
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SWN Exchange Titleholder LLC	SWN Production Company LLC	Merger	9/404
SWN Production Company LLC	Antero Exchange Properties	RECENTED ment	544/242
Antero Exchange Properties	Antero Resources Corporation	Office of OilMangerGas	525/315
/ C. Balah 9 Stelle ludge Loose		4 4 0000	
/ S: Ralph & Stella Judge Lease	John Richmond	JUN 1 4:2023	216/170
Ralph & Stella Judge	Carter Jones Lumber Company	Assignment	217/248
John Richmond	Applied Mechanics Corporation	Assignment	258/132
Carter Jones Lumber Company	Triad Hunter LLC	WV Depassionment on	385/566
Applied Mechanics Corporation		Environmental Environmental Assignment	56/718
Triad Hunter LLC	Antero Resources Corporation	Assignment	
T: Richard Tuttle, et ex Lease		4	244/542
Richard Tuttle, et ex	Antero Resources Corporation	1/8+	211/512
/ W: Brandon P. & Katie E. Mason Lease			
Brandon P. & Katie E. Mason	Antero Resources Corporation	1/8+	182/307
Stallagil I de liane El Hidoeli	* ************************************		

Operator's Well Number

Ringnus Unit 1H MOD

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

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	Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
/	X: Mary Loretta Smith Lease Mary Loretta Smith	Antero Resources Corporation	1/8+	256/630
/	Y: <u>Clifton C. Lough, et ux Lease</u> Clifton C. Lough, et ux	Antero Resources Corporation	1/8+	243/552
1	AA: BRC Appalachian Minerals I, LLC Lease BRC Appalachian Minerals I LLC BRC Working Interest Company LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc SWN Exchange Titleholder LLC SWN Production Company LLC Antero Exchange Properties	BRC Working Interest Company LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc SWN Exchange Titleholder LLC SWN Production Company LLC Antero Exchange Properties Antero Resources Corporation	1/8 Assignment Assignment Assignment Merger Assignment Merger	369/300 369/784 378/764 470/668 9/404 544/242 525/315
	AC: Gary Holmes, et ux Lease Gary Holmes, et ux	Antero Resources Corporation	1/8+	211/503

*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.

RECEIVED
Office of Oil and Gas

JUN 1 4 2023

WV Department of Environmental Protection WW-6A1 (5/13) Operator's Well No. Ringnus Unit 1H MOD

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 of	r			
	Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
1	Henry P. Snyder, et al				
		Henry P. Snyder, et al Charles L. Stout	Charles L. Stout Applied Mechanics Corporation	1/8 Assignment	282/338 385/100
		Applied Mechanics Corporation	Triad Hunter LLC	Assignment	385/566
		Triad Hunter LLC	Antero Resources Corporation	Assignment	56/718

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

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The applicant further acknowledges that any Office of Oil and Gas permit in no waty-coverides 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 with a needed permits/approvals.

Well Operator:	Antero Resources Corporation Department of		
Ву:	Jared Hurst	// Environmental Protection	
Its:	Vice President of Land		

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June 13th, 2023

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 Dry Run Pad: Ringnus Unit 1H (47-095-02862) Expedited.

Attached you will find the following:

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

RECEIVED Office of Oil and Gas

JUN 1 4 2023

WV Department of Environmental Protection

If you have any questions please feel free to contact me at (303) 357-7373.

Thank you in advance for your consideration.

Sincerely,

Carly Marvel Permitting Agent

Antero Resources Corporation

well Marmy

LK# 4020654 \$ 7,500.00 6/13/23 Expedited

Enclosures