



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 25, 2024
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for Skewed Unit 2H
47-103-03678-00-00

Extending Lateral Length

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.

A blue ink signature of James A. Martin, written in a cursive style.

James A. Martin
Chief

Operator's Well Number: Skewed Unit 2H
Farm Name: Antero Midstream, LLC
U.S. WELL NUMBER: 47-103-03678-00-00
Horizontal 6A New Drill
Date Modification Issued: 11/25/2024

Promoting a healthy environment.

10/10/2025

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

- 1) Well Operator: Antero Resources Corporation 494507062 103 - Wetzel Green Pine Grove 7.5'
Operator ID County District Quadrangle
- 2) Operator's Well Number: Skewed Unit 2H MOD Well Pad Name: Lincoln Pad
- 3) Farm Name/Surface Owner: Antero Midstream, LLC Public Road Access: Furbee Ridge Road
- 4) Elevation, current ground: 1290' Elevation, proposed post-construction: 1260'
- 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 Pressure(s):
Marcellus Shale: 7600' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2850#
- 8) Proposed Total Vertical Depth: 7600' TVD
- 9) Formation at Total Vertical Depth: Marcellus
- 10) Proposed Total Measured Depth: 24200' MD
- 11) Proposed Horizontal Leg Length: 14237' *Open to modification at a later date
- 12) Approximate Fresh Water Strata Depths: 387'
- 13) Method to Determine Fresh Water Depths: 47103034090000 Offset well records. Depths have been adjusted according to surface elevations.
- 14) Approximate Saltwater Depths: 2308'
- 15) Approximate Coal Seam Depths: 1003'
- 16) Approximate Depth to Possible Void (coal mine, karst, other): None Anticipated
- 17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No X
- (a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

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WW-6B
(04/15)

4710303678
API NO. 47- 103
OPERATOR WELL NO. Skewed Unit 2H MOD
Well Pad Name: Lincoln Pad

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	100'	100'	CTS, 96 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	437'	437'	CTS, 455 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	3100'	3100'	CTS, 1262 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P110-ICY	23#	24200'	24200'	CTS, 5170 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

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

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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): 34.11 acres

22) Area to be disturbed for well pad only, less access road (acres): 10.64 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

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.

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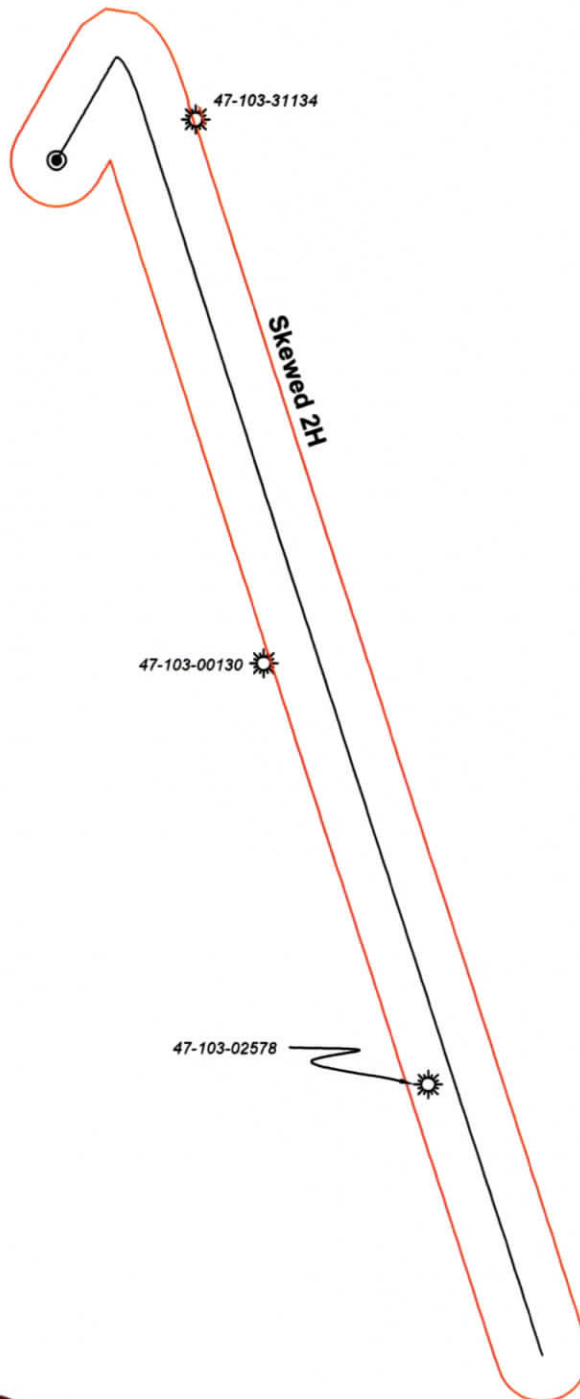
47 10303678

LEGEND

- Proposed gas well
- Existing Well, as noted
- Digitized Well, as noted



The orientation of this survey is Grid North, and its coordinate base is the West Virginia Coordinate System of 1927, North Zone



Scale: 1 inch = 2000 feet



Bridgeport Office
Phone: (304) 848-5035
Fax: (304) 848-5037

172 Thompson Drive
Bridgeport, WV 26330

PARTY CHIEF: C. Lynch	DRAWN BY: J. McNemar
RESEARCH: J. Miller	PREPARED: July 11, 2024
SURVEYED: Dec. 2016	PROJECT NO: 130-34-G-18
FIELD CREW: C.L., K.M.	DRAWING NO: Skewed 2H AOR

Sheet 1 of 1

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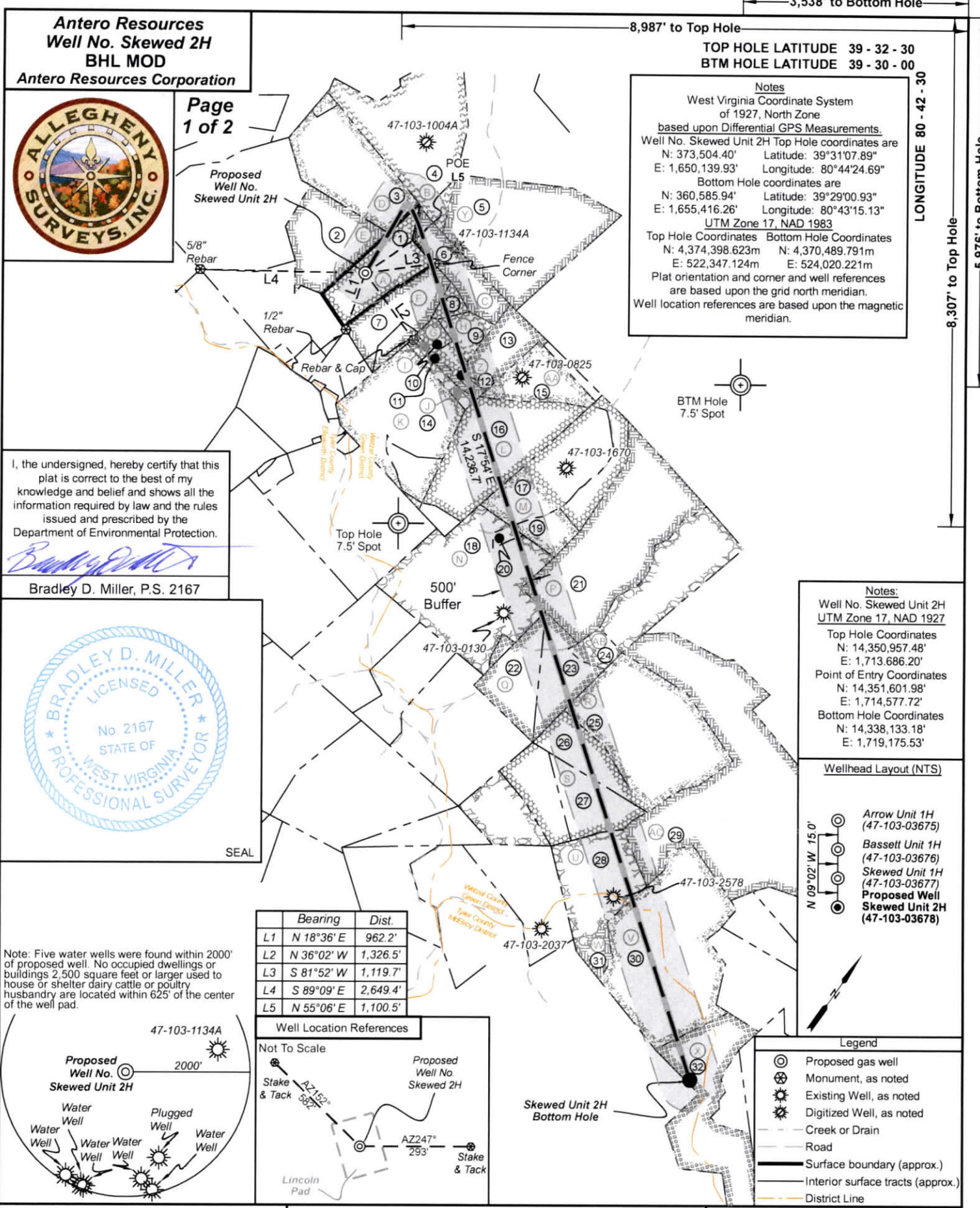
UWI (APINum)	Well Name	Well Number	Operator	Historical Operator	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not perf'd
47103311340000	EVA HAUGHT	1676	HOPE NATURAL GAS	HOPE NATURAL GAS	3,139		Gordon	Weir, Berea, Benson, Alexander
47103001300000	PERKINS		PERKINS OIL & GAS	UNKNOWN	2,329		Big Injun, Gordon	Weir, Berea, Benson, Alexander
47103025780000	KOWALSKI DOMINIC JOSEPH	W-1618	HAUGHT ENERGY CORP	HAUGHT ENERGY CORP	2,576	2288 - 2336	Big Lime, Big Injun	Weir, Berea, Benson, Alexander

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Antero Resources
Well No. Skewed 2H
BHL MOD
Antero Resources Corporation



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1 of 2

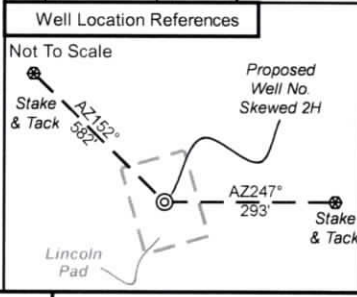
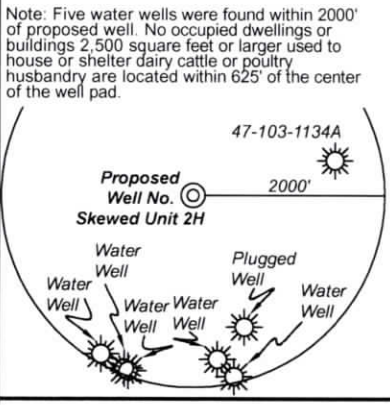
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller

Bradley D. Miller, P.S. 2167



	Bearing	Dist.
L1	N 18°36' E	962.2'
L2	N 36°02' W	1,326.5'
L3	S 81°52' W	1,119.7'
L4	S 89°09' E	2,649.4'
L5	N 55°06' E	1,100.5'



Notes
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Well No. Skewed Unit 2H Top Hole coordinates are
N: 373,504.40' Latitude: 39°31'07.89"
E: 1,650,139.93' Longitude: 80°44'24.69"
Bottom Hole coordinates are
N: 360,585.94' Latitude: 39°29'00.93"
E: 1,655,416.26' Longitude: 80°43'15.13"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,374,398.623m N: 4,370,489.791m
E: 522,347.124m E: 524,020.221m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

Notes:
Well No. Skewed Unit 2H
UTM Zone 17, NAD 1927
Top Hole Coordinates
N: 14,350,957.48'
E: 1,713,686.20'
Point of Entry Coordinates
N: 14,351,601.98'
E: 1,714,577.72'
Bottom Hole Coordinates
N: 14,338,133.18'
E: 1,719,175.53'

Wellhead Layout (NTS)

Arrow Unit 1H (47-103-03675)
Bassett Unit 1H (47-103-03676)
Skewed Unit 1H (47-103-03677)
Proposed Well Skewed Unit 2H (47-103-03678)

- Legend
- Proposed gas well
 - Monument, as noted
 - Existing Well, as noted
 - Digitized Well, as noted
 - Creek or Drain
 - Road
 - Surface boundary (approx.)
 - Interior surface tracts (approx.)
 - District Line

FILE NO: 130-34-G-18
DRAWING NO: Skewed 2H BHL MOD
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: August 21 20 24
OPERATOR'S WELL NO. Skewed 2H
API WELL NO
47 - 103 - 03678
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: Proposed Elev: 1,260' Existing Elev: 1,290' WATERSHED: Fishing Creek QUADRANGLE: Pine Grove
DISTRICT: BHL: McElroy COUNTY: THL: Weir, Shiloh
SURFACE OWNER: Antero Midstream, LLC ACREAGE: 33.25
ROYALTY OWNER: Melinda A. Debner LEASE NO: ACREAGE: 33.25
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☒ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 7,600' TVD
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,200' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
Denver, CO 80202 Bridgeport, WV 26330



Leases	
A	Melinda A. Debner
B	BRC Appalachian Minerals I, LLC
C	Sandra D. Derby
D	Deborah A. Beaver
E	J.L. Lancaster
F	Blackrock Enterprises, LLC
G	Sandra D. Derby
H	Sandra D. Derby
I	Sandra D. Derby
J	Clyde Bert Snider
K	Patricia Lou Scheper
L	Shiben Estates, Inc.
M	BRC Appalachian Minerals I, LLC
N	J.W. Haught & A.B. Haught
P	Christian Engle & Amy Engle
Q	Tribune Resources Minerals, LLC
R	BRC Appalachian Minerals I, LLC
S	Chesapeake Appalachia, LLC
U	Dominic J. Kowalski, et ux
V	Tribune Resources Minerals, LLC
W	Tribune Resources Minerals, LLC
X	Tribune Resources Minerals, LLC
Y	BRC Appalachian Minerals I, LLC
Z	Sandra D. Derby
AA	J.M. Mayfield, et al
AB	Christian Engle, et ux
AC	BRC Appalachian Minerals I, LLC

ID	TM-Par	Owner	Bk/Pg	Acres
1	20-23	Antero Midstream, LLC	465/156	33.30
2	19-49	Antero Midstream, LLC	465/156	32.30
3	19-48	Antero Midstream, LLC	465/156	51.00
4	20-16	Coastal Forest Resources Company	444/105	75.50
5	20-24	Michael L. & Teresa L. Bassett	493/424	89.00
6	20-30	Antero Midstream, LLC	472/1	21.50
7	20-29	Antero Midstream, LLC	465/153	20.90
8	20-40	Antero Midstream, LLC	472/1	3.50
9	20-41	Antero Midstream, LLC	472/1	7.96
10	20-39	Antero Midstream, LLC	472/1	3.50
11	22-4	Antero Midstream, LLC	472/1	4.50
12	20-43	Antero Midstream, LLC	472/1	3.50
13	20-42	Antero Midstream, LLC	472/1	21.80
14	22-41	Robert L. Jr. & Donna K. Jones	462/717	71.29
15	22-40	Robert L. Jr. & Donna K. Jones	436/692	16.00
16	22-5	Robert L. Jr. & Donna K. Jones	297/500	76.00
17	22-14.1	Tony Eugene Crabtree	365/337	41.80
18	22-18	Timothy L. & Vicki L. Glasscock	370/425	99.89
19	22-14	Matthew Dean Bassett	499/36	9.47
20	22-18.1	Aaron E. & Julie A. Hindman	419/505	2.11
21	22-19	Coastal Forest Resources Company	444/105	155.30
22	22-21	Thomas & Shawn Pratt	429/66	25.85
23	22-21.2	Thomas & Shawn Pratt	312/697	23.00
24	22-22.1	Thomas & Shawn Pratt	429/66	6.80
25	22-28	Coastal Forest Resources Company	444/105	77.10
26	22-27	Dominic Joseph & Delmer Michele Kowalski	353/533	20.30
27	22-33	Dominic Joseph & Delmer Michele Kowalski	353/533	20.30
28	25-1	Dominic Joseph & Delmer Michele Kowalski	353/533	60.00
29	22-34	Coastal Forest Resources Company	444/105	172.91
30	3-11	Dominic Joseph & Delmer Michele Kowalski	317/307	106.94
31	3-8	Gary Greynolds	343/109	6.31
32	3-12	Edward J. Jr., Edward W. & David Shulte	WB14/440	80.73

FILE NO: 130-34-G-18
DRAWING NO: Skewed 2H BHL MOD
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: August 21 20 24
OPERATOR'S WELL NO. Skewed 2H
API WELL NO
47 - 103 - 03678
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: Proposed Elev: 1,260' Existing Elev: 1,290' WATERSHED: Fishing Creek QUADRANGLE: Pine Grove
DISTRICT: THL: Green BHL: McElroy COUNTY: THL: Wells BHL: Yes
SURFACE OWNER: Antero Minerals, LLC ACREAGE: 33.25
ROYALTY OWNER: Melinda A. Debner LEASE NO: ACREAGE: 33.25
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☒ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 7,600' TVD
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,200' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
Denver, CO 80202 Bridgeport, WV 26330

WW-6A1
(5/13)

Operator's Well No. Skewed Unit 2H 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 or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
<u>X: Tribune Resources Minerals, LLC Lease</u>				
	Tribune Resources Minerals, LLC	Antero Resources Corporation	1/8+	0059/0325

*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 the 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.

**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

Its: Senior Vice President of Land

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<u>A: Melinda A. Debner Lease</u> Melinda A. Debner	Antero Resources Corporation	1/8+	327A/0871
<u>E: J.L. Lancaster Lease</u> J.L. Lancaster F.M. Lowry Tri-State Gas Company Manufacturers Light & Heat Company A.M. Snider & Duane M. Snider Hundred Gas Company Carl D. Perkins Perkins Oil & Gas, Inc. Stone Energy Corporation EQT Production Company	F.M. Lowry Tri-State Gas Company Manufacturers Light & Heat Company A.M. Snider & Duane M. Snider Hundred Gas Company Carl D. Perkins Perkins Oil & Gas, Inc. Stone Energy Corporation EQT Production Company Antero Resources Company	1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment	0059/0213 0073/0155 009A/0141 048A/0109 0256/0189 055A/0062 075A/0621 126A/0958 183A/0305 230A/0783
<u>D: Deborah A. Beaver Lease</u> Deborah A. Beaver	Antero Resources Corporation	1/8+	0173/0106
<u>A: Melinda A. Debner Lease</u> Melinda A. Debner	Antero Resources Corporation	1/8+	327A/0871
<u>C: Sandra D. Derby Lease</u> Sandra D. Derby	Antero Resources Corporation	1/8+	232A/0202
<u>A: Melinda A. Debner Lease</u> Melinda A. Debner	Antero Resources Corporation	1/8+	327A/0871
<u>F: Blackrock Enterprises, LLC Lease</u> Blackrock Enterprises, LLC	Antero Resources Corporation	1/8+	186A/0593
<u>G: Sandra D. Derby Lease</u> Sandra D. Derby	Antero Resources Corporation	1/8+	232A/0202
<u>H: Sandra D. Derby Lease</u> Sandra D. Derby	Antero Resources Corporation	1/8+	232A/0202
<u>G: Sandra D. Derby Lease</u> Sandra D. Derby	Antero Resources Corporation	1/8+	232A/0202
<u>Z: Sandra D. Derby Lease</u> Sandra D. Derby	Antero Resources Corporation	1/8+	232A/0202
<u>I: Sandra D. Derby Lease</u> Sandra D. Derby	Antero Resources Corporation	1/8+	232A/0202
<u>J: Clyde Bert Snider Lease</u> Clyde Bert Snider	Antero Resources Corporation	1/8+	342A/0573
<u>L: Shiben Estates, Inc. Lease</u> Shiben Estates, Inc.	Antero Resources Corporation	1/8+	257A/0029

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Environmental Protection

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<u>M: BRC Appalachian Minerals I, LLC Lease</u>			
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	SWN Production Company	Assignment	157A/0640
SWN Production Company	Antero Exchange Properties, LLC	Assignment	177A/0533
Antero Exchange Properties, LLC	Antero Resources Corporation	Merger	0009/0404
<u>N: J.W. Haught & A.B. Haught Lease</u>			
J.W. Haught & A.B. Haught	Tri State Gas Company	1/8	0107/0340
Tri State Gas Company	The Manufacturers Light and Heat Company	Assignment	009A/0141
The Manufacturers Light and Heat Company	Hundred Gas Company	Assignment	048A/0109
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/0658
Stone Energy Corporation	EQT Production Company	Assignment	126A/0658
EQT Production Company	Antero Resources Corporation	Assignment	230A/0783
<u>P: Christian Engle & Amy Engle Lease</u>			
Christian Engle & Amy Engle	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 & Heat Company	Assignment	009A/0141
Manufacturers Light & Heat Company	A.M. Snider and Duane M. Snider	Assignment	048A/0109
A.M. Snider and Duane M. Snider	Hundred Gas Company	Assignment	0256/0189
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
<u>N: J.W. Haught & A.B. Haught Lease</u>			
J.W. Haught & A.B. Haught	Tri State Gas Company	1/8	0107/0340
Tri State Gas Company	The Manufacturers Light and Heat Company	Assignment	009A/0141
The Manufacturers Light and Heat Company	Hundred Gas Company	Assignment	048A/0109
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/0658
Stone Energy Corporation	EQT Production Company	Assignment	126A/0658
EQT Production Company	Antero Resources Corporation	Assignment	230A/0783
<u>Q: Tribune Resources Minerals, LLC Lease</u>			
Tribune Resources Minerals, LLC	Antero Resources Corporation	1/8+	248A/0656
<u>R: BRC Appalachian Minerals I, LLC Lease</u>			
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
Statoil USA Onshore Properties, Inc.	SWN Exchange Title Holder LLC	Assignment	158A/0801
SWN Exchange Title Holder LLC	SWN Production Company, LLC	Merged	0013/0296
SWN Production Company, LLC	Antero Exchange Properties LLC	Assignment	177A/0533
Antero Exchange Properties LLC	Antero Resources Corporation	Merged	0013/0311

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Operator's Well Number Skewed Unit 2H 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:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<u>S: Chesapeake Appalachia, LLC Lease</u>			
Chesapeake Appalachia, LLC	SWN Production Company, LLC	1/8	157A/0640
SWN Production Company, LLC	Antero Exchange Properties LLC	Assignment	177A/0533
Antero Exchange Properties LLC	Antero Resources Corporation	Merger	0013/0311
<u>U: Dominic J. Kowalski, et ux Lease</u>			
Dominic J. Kowalski, et ux	Mountain Link Associates, Inc.	1/8	090A/0366
Mountain Link Associates, Inc.	Little Amber Ridge Limited Partnership	Assignment	091A/0051
Little Amber Ridge Limited Partnership	Reed Brothers Limited Partnership	Assignment	091A/0224
Reed Brothers Limited Partnership	Whittle Corporation	Assignment	093A/0056
Whittle Corporation	Montani Energy	Assignment	130A/0001
Montani Energy	Antero Resources Appalachian Corporation	Assignment	130A/0658
Antero Resources Appalachian Corporation	Jay-Bee Exploration I, LLC	Assignment	143A/0719
Jay-Bee Exploration I, LLC	Antero Resources Corporation	Agreement	JOA
<u>V: Tribune Resources Minerals, LLC Lease</u>			
Tribune Resources Minerals, LLC	Antero Resources Corporation	1/8+	0059/0325

*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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**MODEL FORM RECORDING SUPPLEMENT TO
OPERATING AGREEMENT AND FINANCING STATEMENT**

Attached to and made a part of that certain Joint Operating Agreement dated and effective November 4th, 2024, between Antero Resources Corporation, as Operator, and JB Exploration I, LLC, as Non-Operator.

**RECORDING SUPPLEMENT TO
OPERATING AGREEMENT AND FINANCING STATEMENT**

THIS AGREEMENT, entered into by and between Antero Resources Corporation, hereinafter referred to as "Operator," and the signatory party or parties other than Operator, hereinafter referred to individually as "Non-Operator," and collectively as "Non-Operators."

WHEREAS, the parties to this agreement are owners of Oil and Gas Leases and/or Oil and Gas Interests in the land identified in Exhibit "A" (said land, Leases and Interests being hereinafter called the "Contract Area"), and in any instance in which the Leases or Interests of a party are not of record, the record owner and the party hereto that owns the interest or rights therein are reflected on Exhibit "A";

WHEREAS, the parties hereto have executed an Operating Agreement dated and effective November 4, 2024 (herein the "Operating Agreement"), covering the Contract Area for the purpose of exploring and developing such lands, Leases and Interests for Oil and Gas, and

WHEREAS, the parties hereto have executed this agreement for the purpose of imparting notice to all persons of the rights and obligations of the parties under the Operating Agreement and for the further purpose of perfecting those rights capable of perfection.

NOW, THEREFORE, in consideration of the mutual rights and obligations of the parties hereto, it is agreed as follows:

1. This agreement supplements the Operating Agreement, which Agreement in its entirety is incorporated herein by reference, and all terms used herein shall have the meaning ascribed to them in the Operating Agreement.
2. The parties do hereby agree that:
 - A. The Oil and Gas Leases and/or Oil and Gas Interests of the parties comprising the Contract Area shall be subject to and burdened with the terms and provisions of this agreement and the Operating Agreement, and the parties do hereby commit such Leases and Interests to the performance thereof.
 - B. The exploration and development of the Contract Area for Oil and Gas shall be governed by the terms and provisions of the Operating Agreement, as supplemented by this agreement.
 - C. All costs and liabilities incurred in operations under this agreement and the Operating Agreement shall be borne and paid, and all equipment and materials acquired in operations on the Contract Area shall be owned, by the parties hereto, as provided in the Operating Agreement.
 - D. Regardless of the record title ownership to the Oil and Gas Leases and/or Oil and Gas Interests identified on Exhibit "A," all production of Oil and Gas from the Contract Area shall be owned by the parties as provided in the Operating Agreement; provided nothing contained in this agreement shall be deemed an assignment or cross-assignment of interests covered hereby.
 - E. Each party shall pay or deliver, or cause to be paid or delivered, all burdens on its share of the production from the Contract Area as provided in the Operating Agreement.
 - F. An overriding royalty, production payment, net profits interest or other burden payable out of production created, assignments of production given as security for the payment of money and those overriding royalties, production payments and other burdens payable out of production created after the effective date of the Operating Agreement, or created prior to the effective date of the Operating Agreement but (a) recorded after the effective date, or (b) not recorded, and defined as Subsequently Created Interests in the Operating Agreement shall be (i) borne solely by the party whose interest is burdened therewith, (ii) subject to suspension if a party is required to assign or relinquish to another party an interest which is subject to such burden, and (iii) subject to the lien and security interest hereinafter provided if the party subject to such burden fails to pay its share of expenses chargeable hereunder and under the Operating Agreement, all upon the terms and provisions and in the times and manner provided by the Operating Agreement.
 - G. The Oil and Gas Leases and/or Oil and Gas Interests which are subject hereto may not be assigned or transferred except in accordance with those terms, provisions and restrictions in the Operating Agreement regulating such transfers.

This agreement and the Operating Agreement shall be binding upon and shall inure to the benefit of the parties hereto, and their respective heirs, devisees, legal representatives, and assigns, and the terms hereof shall be deemed to run with the leases or interests included within the lease Contract Area.
 - H. The parties shall have the right to acquire an interest in renewal, extension and replacement leases, leases proposed to be surrendered, wells proposed to be abandoned, and interests to be relinquished as a result of non-participation in subsequent operations, all in accordance with the terms and provisions of the Operating Agreement.
 - I. The rights and obligations of the parties and the adjustment of interests among them in the event of a failure or loss of title, each party's right to propose operations, obligations with respect to participation in operations on the Contract Area and the consequences of a failure to participate in operations, the rights and obligations of the parties regarding the marketing of production, and the rights and remedies of the parties for failure to comply with financial obligations shall be as provided in the Operating Agreement.
 - J. Each party's interest under this agreement and under the Operating Agreement shall be subject to relinquishment for its failure to participate in subsequent operations and each party's share of production and costs shall be reallocated on the basis of such relinquishment, all upon the terms and provisions provided in the Operating Agreement.
 - K. All other matters with respect to exploration and development of the Contract Area and the ownership and transfer of the Oil and Gas Leases and/or Oil and Gas Interest therein shall be governed by the terms and provisions of the Operating Agreement.
3. The parties hereby grant reciprocal liens and security interests as follows:
 - A. Each party grants to the other parties hereto a lien upon any interest it now owns or hereafter acquires in Oil and Gas Leases and Oil and Gas Interests in the Contract Area, and a security interest and/or purchase money security interest in any interest it now owns or hereafter acquires in the personal property and fixtures on or used or obtained for use in connection therewith, to secure performance of all of its

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obligations under this agreement and the Operating Agreement including but not limited to payment of expense, interest and fees, the proper disbursement of all monies paid under this agreement and the Operating Agreement, the assignment or relinquishment of interest in Oil and Gas Leases as required under this agreement and the Operating Agreement, and the proper performance of operations under this agreement and the Operating Agreement. Such lien and security interest granted by each party hereto shall include such party's leasehold interests, working interests, operating rights, and royalty and overriding royalty interests in the Contract Area now owned or hereafter acquired and in lands pooled or unitized therewith or otherwise becoming subject to this agreement and the Operating Agreement, the Oil and Gas when extracted therefrom and equipment situated thereon or used or obtained for use in connection therewith (including, without limitation, all wells, tools, and tubular goods), and accounts (including, without limitation, accounts arising from the sale of production at the wellhead), contract rights, inventory and general intangibles relating thereto or arising therefrom, and all proceeds and products of the foregoing.

- B. Each party represents and warrants to the other parties hereto that the lien and security interest granted by each party to the other parties shall be a first and prior lien, and each party hereby agrees to maintain the priority of said lien and security interest against all persons subsequently acquiring an interest in Oil and Gas Leases and interests covered by this agreement and the Operating Agreement by, through or under such party except for mortgages or liens related to a party's credit facility(ies) or otherwise for borrowed monies; provided, however, that other third parties owning or acquiring interests (now or in the future) in the Contract Area, whether by assignment of a party's interest or otherwise, and may as a result become a non-operator under the Operating Agreement or under an Other JOA (as defined in the Operating Agreement). In such case, any liens and security interests granted by Operator under this agreement and the Operating Agreement, and any liens and security interests granted by Operator under any such Other JOA shall, in each case, be *pari passu* amongst each other irrespective of when such liens and security interests were granted or recorded.
 - C. To the extent that the parties have a security interest under the Uniform Commercial Code of the state in which the Contract Area is situated, they shall be entitled to exercise the rights and remedies of a secured party under the Code. The bringing of a suit and the obtaining of judgment by a party for the secured indebtedness shall not be deemed an election of remedies or otherwise affect the lien rights or security interest as security for the payment thereof. In addition, upon default by any party in the payment of its share of expenses, interest or fees, or upon the improper use of funds by the Operator, the other parties shall have the right, without prejudice to other rights or remedies, to collect from the purchaser the proceeds from the sale of such defaulting party's share of Oil and Gas from the Contract Area until the amount owed by such party, plus interest, has been received, and shall have the right to offset the amount owed against the proceeds from the sale of such defaulting party's share of Oil and Gas. All purchasers of production may rely on a notification of default from the non-defaulting party or parties stating the amount due as a result of the default, and all parties waive any recourse available against purchasers for releasing production proceeds as provided in this paragraph.
 - D. If any party does not perform all of its obligations under this agreement or the Operating Agreement, and the failure to perform subjects such party to foreclosure or execution proceedings pursuant to the provisions of this agreement or the Operating Agreement, to the extent allowed by governing law, the defaulting party waives any available right of redemption from and after the date of judgment, any required valuation or appraisal of the mortgaged or secured property prior to sale, any available right to stay execution or to require a marshalling of assets and any required bond in the event a receiver is appointed. In addition, to the extent permitted by applicable law, each party hereby grants to the other parties a power of sale as to any property that is subject to the lien and security rights granted hereunder or under the Operating Agreement, such power to be exercised in the manner provided by applicable law or otherwise in a commercially reasonable manner and upon reasonable notice.
 - E. The lien and security interest granted in this paragraph 3 supplements identical rights granted under the Operating Agreement.
 - F. To the extent permitted by applicable law, Non-Operators agree that Operator may invoke or utilize the mechanics' or materialmen's lien law of the state in which the Contract Area is situated in order to secure the payment to Operator of any sum due under this agreement and the Operating Agreement for services performed or materials supplied by Operator.
 - G. The above described security will be financed at the wellhead of the well or wells located on the Contract Area and this Recording Supplement may be filed in the land records in the County or Parish in which the Contract Area is located, and as a financing statement in all recording offices required under the Uniform Commercial Code or other applicable state statutes to perfect the above-described security interest, and any party hereto may file a continuation statement as necessary under the Uniform Commercial Code, or other state laws.
4. This agreement shall be effective as of the effective date of the Operating Agreement as above recited. Upon termination of this agreement and the Operating Agreement and the satisfaction of all obligations thereunder, Operator is authorized to file of record in all necessary recording offices a notice of termination, and each party hereto agrees to execute such a notice of termination as to Operator's interest, upon the request of Operator, if Operator has complied with all of its financial obligations.
 5. This agreement and the Operating Agreement shall be binding upon and shall inure to the benefit of the parties hereto and their respective heirs, devisees, legal representatives, successors and assigns. No sale, encumbrance, transfer or other disposition shall be made by any party of any interest in the Leases or interests subject hereto except as permitted under the Operating Agreement.

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6. In the event of a conflict between the terms and provisions of this agreement and the terms and provisions of the Operating Agreement, then, as between the parties, the terms and provisions of the Operating Agreement shall control.
7. This agreement shall be binding upon each Non-Operator when this agreement or a counterpart thereof has been executed by such Non-Operator and Operator notwithstanding that this agreement is not then or thereafter executed by all of the parties to which it is tendered or which are listed on Exhibit "A" as owning an interest in the Contract Area. In the event that any provision herein is illegal or unenforceable, the remaining provisions shall not be affected, and shall be enforced as if the illegal or unenforceable provision did not appear herein.
8. Other provisions.

IN WITNESS WHEREOF, this agreement shall be effective as of the 4th day of November 2024.

OPERATOR

ATTEST OR WITNESS

By: Amato Resources Corporation
Name: Jared Hurst
Title: VP-Land
Date: 11-11-2024
Address:

STATE OF Colorado
COUNTY OF Denver

On this, the 4th day of November, 2024, before me Akash Malik the undersigned officer, personally appeared Jared Hurst, who acknowledged himself to be the VP-Land of Amato, and that he as such VP-Land, being authorized to do so, executed the foregoing instrument for the purpose therein contained by signing the name of the corporation by himself as VP-Land.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.



Signature/Notary Public: [Signature]
Name/Notary Public (print): Notary Public
My Commission Expires: 5/11/26

NON-OPERATOR

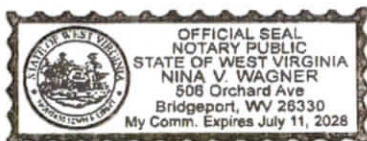
ATTEST OR WITNESS

By: JB Exploration I LLC
Name: Natalie Haddix
Title: Natalie Haddix
Date: 11/5/2024
Address:

STATE OF West Virginia
COUNTY OF Harrison

On this, the 5 day of November, 2024, before me Nina Wagner the undersigned officer, personally appeared Natalie Haddix, who acknowledged himself to be the Land Manager of JB, and that he as such Land Manager, being authorized to do so, executed the foregoing instrument for the purpose therein contained by signing the name of the corporation by himself as Land Manager.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.



Signature/Notary Public: [Signature]
Name/Notary Public (print): Nina Wagner
My Commission Expires: 7/11/2028

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NON-OPERATOR

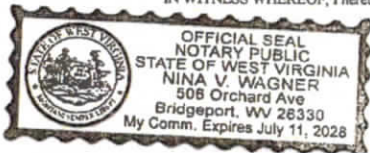
ATTEST OR WITNESS

By: Jay-Bee Production Company
Name: Natalie Haddix
Title: Land Manager
Date: 11/5/2024
Address: _____

STATE OF West Virginia
COUNTY OF Harrison

On this, the 5 day of November, 2024, before me Nina Wagner, the undersigned officer, personally appeared Natalie Haddix who acknowledged himself to be the Land Manager of JBP, and that he as such Land Manager being authorized to do so, executed the foregoing instrument for the purpose therein contained by signing the name of the corporation by himself as Land Manager

IN WITNESS WHEREOF, I hereunto set my hand and official seal.



Signature/Notary Public: Nina Wagner
Name/Notary Public (print): Nina Wagner
My Commission Expires: 7/11/2028

NON-OPERATOR

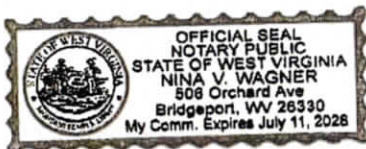
ATTEST OR WITNESS

By: JBB Land, LLC
Name: Natalie Haddix
Title: Land Manager
Date: 11/5/2024
Address: _____

STATE OF West Virginia
COUNTY OF Harrison

On this, the 5 day of November, 2024, before me Nina Wagner, the undersigned officer, personally appeared Natalie Haddix who acknowledged himself to be the Land Manager of JBB, and that he as such Land Manager being authorized to do so, executed the foregoing instrument for the purpose therein contained by signing the name of the corporation by himself as Land Manager

IN WITNESS WHEREOF, I hereunto set my hand and official seal.



Signature/Notary Public: Nina Wagner
Name/Notary Public (print): Nina Wagner
My Commission Expires: 7/11/28

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ATTEST OR WITNESS

NON-OPERATOR

JBU, LLC
By: Natalie Haddix
Name: Natalie Haddix
Title: Land Manager
Date: 11/5/2024
Address: _____

STATE OF West Virginia
COUNTY OF Harrison

On this, the 5 day of November, 2024, before me Nina Wagner, the undersigned officer, personally appeared Natalie Haddix who acknowledged himself to be the Land Manager of JBU, and that he as such Land Manager being authorized to do so, executed the foregoing instrument for the purpose therein contained by signing the name of the corporation by himself as Land Manager.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.



Signature/Notary Public: Nina Wagner
Name/Notary Public (print): Nina Wagner
My Commission Expires: 7/11/2028

NON-OPERATOR

ATTEST OR WITNESS

Jay-Bee Royalty, LLC
By: Natalie Haddix
Name: Natalie Haddix
Title: Land Manager
Date: 11/5/2024
Address: _____

STATE OF West Virginia
COUNTY OF Harrison

On this, the 5 day of November, 2024, before me Nina Wagner, the undersigned officer, personally appeared Natalie Haddix who acknowledged himself to be the Land Manager of JBR, and that he as such Land Manager being authorized to do so, executed the foregoing instrument for the purpose therein contained by signing the name of the corporation by himself as Land Manager.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.



Signature/Notary Public: Nina Wagner
Name/Notary Public (print): Nina Wagner
My Commission Expires: 7/11/2028

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EXHIBIT "A"

Attached to and made a part of that certain Joint Operating Agreement dated November 4th, 2024, between Antero Resources Corporation, as Operator, and JB Exploration I, LLC, as Non-Operator.

LANDS SUBJECT TO CONTRACT:

See attached Exhibit A-1
Tyler & Wetzel Counties, West Virginia, Skewed Unit: 423.90 Acres

RESTRICTIONS AS TO DEPTHS, FORMATIONS AND SUBSTANCES:

Insofar and only insofar as such leases cover depths and formations from two hundred feet (200') above the Marcellus Shale formation through and to two hundred (200') below the Marcellus Shale formation.

INTERESTS OF THE PARTIES TO THIS AGREEMENT:

OPERATOR

Antero Resources Corporation

NON-OPERATOR

JB Exploration I, LLC

WI

92.79901%

WI

7.20099%*

100.00000%

*These interests are subject to change pursuant to Paragraph 3 of Article XVI of that certain Joint Operating Agreement dated November 4th, 2024.

ADDRESSES OF PARTIES FOR NOTICE PURPOSES:

**Antero Resources Corporation
1615 Wynkoop Street
Denver, Colorado 80202**

**JB Exploration I, LLC
429 Simonton Road
Ellenboro, WV 26346**

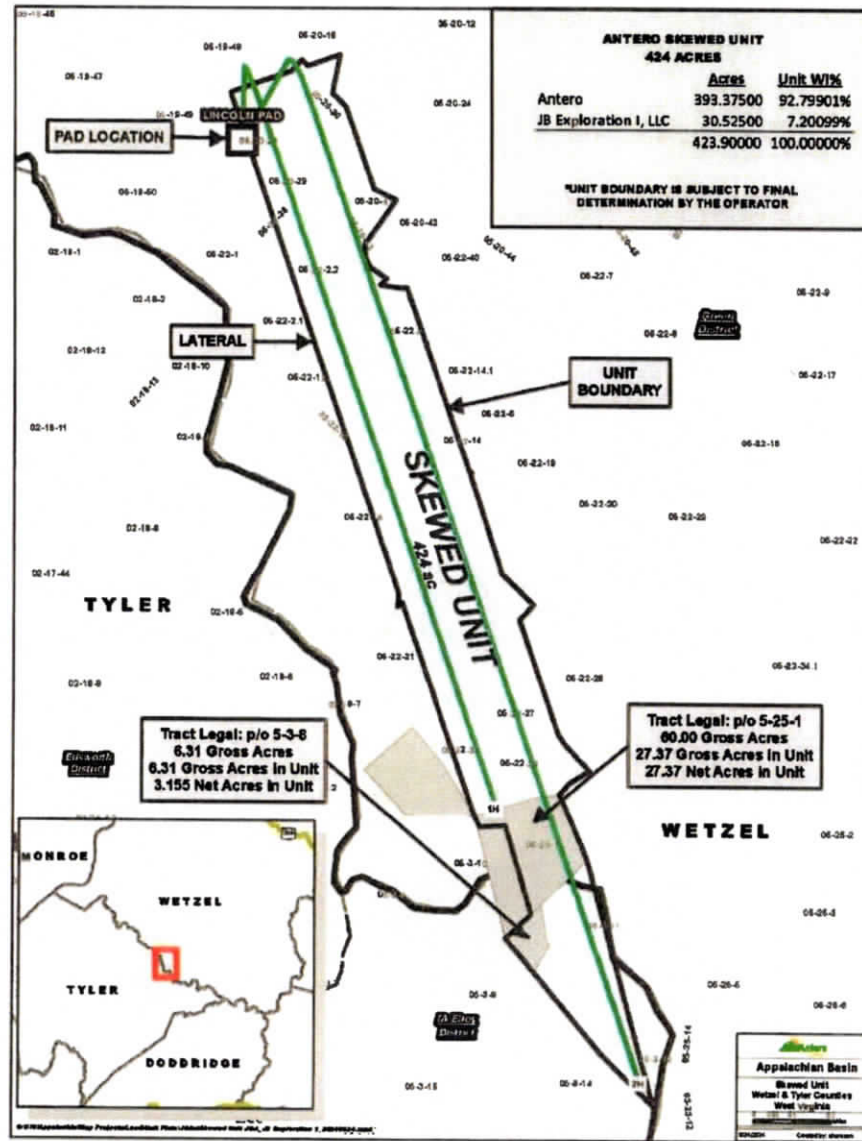
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EXHIBIT "A-1"

Attached to and made a part of that certain Joint Operating Agreement dated November 4th, 2024, between Antero Resources Corporation, as Operator, and JB Exploration I, LLC, as Non-Operator.



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LEASES AND DEEDS SUBJECT TO THIS AGREEMENT:

Portions of following leases (as shown on the attached Exhibit A-1 attached hereto), subject to the depth restrictions shown above, are subject to this Agreement:

Lessor	Lessee	Lease Date	Book	Page	County
Kowalski, Dominic J. and Delmer Michelle Kowalski, his wife	Mountain Link Associates, Inc	12/3/2007	90A	366	Wetzel
Harlen G. Tustin	JB Exploration I, LLC	6/15/2012	404	524	Tyler
Greynolds, Gary	Antero Resources Corporation	8/20/2013	444	509	Tyler
Jones, Robert L., Jr. and Donna K. Jones, h/w	Antero Resources Corporation	8/15/2013	147A	545	Wetzel
Beaver, Deborah A.	Antero Resources Corporation	1/22/2016	173A	106	Wetzel
Chesapeake Appalachia, LLC	SWN Production Company, LLC	7/1/2014	157A	640	Wetzel
Brc Minerals Lp And Brc Appalachian Minerals Llc	BRC Working Interest Company, LLC	8/27/2009	102A	505	Wetzel
Blackrock Enterprises, LLC	Antero Resources Corporation	4/19/2017	186A	593	Wetzel
Shiben Estates, Inc.	Antero Resources Corporation	10/17/2017	197A	849	Wetzel
Blackrock Enterprises, LLC	Antero Resources Corporation	1/29/2018	203A	936	Wetzel
Haught, Jack Lee	Antero Resources Corporation	5/1/2018	209A	688	Wetzel
Engle, Christian	C B Shaffer	4/10/1897	55	82	Wetzel
Haught, J.W. & A.B.	Tri State Gas Co.	8/10/1909	107	340	Wetzel
Lancaster, J. L., et al	F M Lowry	4/29/1901	59	213	Wetzel
Derby, Sandra D.	Antero Resources Corporation	8/21/2019	232A	202	Wetzel
Tribune Resources Minerals, LLC	Antero Resources Corporation	8/25/2020	59	325	Tyler
Tribune Resources Minerals, LLC	Antero Resources Corporation	8/25/2020	248A	656	Wetzel
Landers, Barbara A., fka Barbara A. Lancaster	Antero Resources Corporation	9/2/2020	249A	754	Wetzel
Gill, Barbara (Heir of Edward Arthur Schulte Jr.)	Antero Resources Corporation	10/21/2020	71	608	Tyler
Kieffer, Janet (Heir of Edward Arthur Schulte Jr.)	Antero Resources Corporation	10/21/2020	71	613	Tyler
Schulte, David Joseph (Heir of Edward Arthur Schulte Jr.)	Antero Resources Corporation	10/21/2020	71	603	Tyler
Schulte, William Brandon (Heir of William Jesse Schulte and Edward Arthur Schulte Jr.)	Antero Resources Corporation	10/21/2020	71	598	Tyler
Stubbs, Alex Kyne (Heir William Jesse Schulte and Edward Arthur Schulte Jr.)	Antero Resources Corporation	10/21/2020	73	470	Tyler
Schulte, Edward William (Heir of Edward Arthur Schulte Jr.)	Antero Resources Corporation	10/21/2020	71	593	Tyler
Antero Minerals, LLC	Antero Resources Corporation	9/22/2020	250A	803	Wetzel

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Lessor	Lessee	Lease Date	Book	Page	County
Paul, Joanna Valvet (Heir of Edward Arthur Schulte Jr.)	Antero Resources Corporation	11/2/2020	75	692	Tyler
Schulte, Bret (Heir of William Jesse Schulte and Edward Arthur Schulte, Jr.)	Antero Resources Corporation	12/7/2020	82	240	Tyler
Scheper, Patricia Lou (Heir of Charles Guy Ferrell)	Antero Resources Corporation	1/20/2021	255A	228	Wetzel
Berisford, Ruth Ann (Heir of Charles Guy Ferrell)	Antero Resources Corporation	1/29/2021	90	384	Tyler
Shiben Estates Inc	Antero Resources Corporation	2/13/2021	257A	29	Wetzel
Wright, W.H. and Amanda Wright	The Wheeling Natural Gas Company	2/14/1912	1A	496	Wetzel
Ferrell, Bradley S.	JB Exploration I, LLC	12/19/2012	411	754	Tyler
Ferrell, Brian D.	JB Exploration I, LLC	11/23/2012	411	721	Tyler
Baker, Steven William	JB Exploration I, LLC	11/17/2012	410	356	Tyler
Baker, Jessica Ann	JB Exploration I, LLC	12/10/2012	411	742	Tyler
Hoover, Larry	JB Exploration I, LLC	6/21/2012	404	103	Tyler
Hoover, Allen	JB Exploration I, LLC	6/22/2012	404	101	Tyler
McClure, Barbara, formerly Barbara Baker	JB Exploration I, LLC	11/5/2012	406	792	Tyler
Clemons, Barbara A.	JB Exploration I, LLC	11/17/2012	410	360	Tyler
Baker, Charles Frederick	JB Exploration I, LLC	11/20/2012	410	370	Tyler
Dunlevy, Mary Alice, formerly Mary Alice Baker	JB Exploration I, LLC	10/29/2012	405	603	Tyler
Est, Burlin Tustin	JB Exploration I, LLC	4/19/2013	418	552	Tyler
Vitolo, Carolyn	JB Exploration I, LLC	11/23/2012	406	696	Tyler
Ferrell, John R.	JB Exploration I, LLC	7/20/2012	404	76	Tyler
Jett, Marolyn	JB Exploration I, LLC	11/19/2012	410	367	Tyler
Scheper, Patricia L.	JB Exploration I, LLC	11/23/2012	411	725	Tyler
Berisford, Ruth A.	JB Exploration I, LLC	11/26/2012	411	728	Tyler
Tustin, Harlen Glen	Antero Resources Corporation	12/1/2021	283A	324	Wetzel
Shiben Estates, Inc.	EQT Production Company	12/28/2021	277A	329	Wetzel
Miller, Lorna	JB Exploration I, LLC	1/15/2015	159A	228	Wetzel
McHenry, Roger	JB Exploration I, LLC	12/31/2014	159A	231	Wetzel
Kaufman, Glenda	JB Exploration I, LLC	1/5/2015	159A	234	Wetzel
Eller, Robert B.	JB Exploration I, LLC	1/5/2015	159A	237	Wetzel
Eller, Jean Schwing	JB Exploration I, LLC	12/30/2014	159A	240	Wetzel
Muse, William	JB Exploration I, LLC	12/29/2014	159A	243	Wetzel
Muse, Daniel Lee	JB Exploration I, LLC	2/11/2015	160A	587	Wetzel
Ivey, Rayne D.	JB Exploration I, LLC	2/18/2015	160A	593	Wetzel
Sayre, Paul, Jr.	JB Exploration I, LLC	3/9/2015	162A	148	Wetzel
Sayre, Evelyn B.	JB Exploration I, LLC	2/23/2015	162A	151	Wetzel
Oblich, Deborah Ann Sayre	JB Exploration I, LLC	2/5/2015	162A	154	Wetzel
Slayton, Elizabeth J.	JB Exploration I, LLC	2/20/2015	162A	157	Wetzel
Cruce, April	JB Exploration I, LLC	1/19/2015	316A	199	Wetzel
Dutro, Sean	JB Exploration I, LLC	1/20/2015	316A	203	Wetzel
Jones, Robert L., Jr. and Donna K. Jones, H&W	Antero Resources Corporation	2/23/2023	323A	884	Wetzel
Vickie L. Mullen, single	EQT PRODUCTION COMPANY	4/3/2023	322A	262	Wetzel
Drilling Appalachian Corporation	Antero Resources Corporation	4/26/2023	326A	584	Wetzel
Drilling Appalachian Corporation	Antero Resources Corporation	4/26/2023	326A	582	Wetzel

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Antero Minerals, LLC	Antero Resources Corporation	1/14/2023	248	500	Tyler
Debner, Melinda A.	Antero Resources Corporation	5/5/2023	327A	871	Wetzel
Baker, Nancy Reed	Antero Resources Corporation	4/24/2023	328A	75	Wetzel
Jay Vandyne, aka Jay S Vandyne and Michele Vandyne aka Michele J Vandyne	SEP Exploration, LLC	4/25/2023	327A	518	Wetzel
Richard J Colvin and Jane A Colvin	SEP Exploration, LLC	4/10/2023	327A	221	Wetzel
Leigh Ann Cochran	SEP EXPLORATION LLC	5/9/2023	327A	225	Wetzel
Leroy Wright	SEP Exploration, LLC	5/11/2023	330A	664	Wetzel
Paula Wilfong-Spence	SEP Exploration, LLC	5/10/2023	330A	660	Wetzel
Keith Wilfong	SEP Exploration, LLC	5/10/2023	330A	656	Wetzel
Marlene Fetty	SEP Exploration, LLC	5/4/2023	330A	652	Wetzel
Marlene Fetty, Individually and as Trustee of the Carol Ann Hawkins Trust	SEP Exploration, LLC	5/4/2023	330A	648	Wetzel
Nancy Reed Baker	SEP EXPLORATION LLC	6/6/2023	330A	90	Wetzel
Donna S. Branham	SEP EXPLORATION LLC	6/6/2023	330A	94	Wetzel
Patty Ann Balwanz	SEP EXPLORATION LLC	6/6/2023	330A	98	Wetzel
Richard Colvin & Angela Colvin	SEP Exploration, LLC	6/12/2023	332A	737	Wetzel
Barbara Landers	SEP Exploration, LLC	6/9/2023	332A	176	Wetzel
Howard, Darlene M.	Antero Resources Corporation	6/22/2023	335A	252	Wetzel
West, Alfred Ray	Antero Resources Corporation	6/21/2023	335A	255	Wetzel
Morgan, John Robert	Antero Resources Corporation	6/20/2023	335A	249	Wetzel
Slaughter, Helen L. Archer	Antero Resources Corporation	6/20/2023	335A	258	Wetzel
Passmore, Carolyn J.	Antero Resources Corporation	6/22/2023	335A	592	Wetzel
Drain, Kim	Antero Resources Corporation	6/27/2023	335A	583	Wetzel
Palmer, Gladys A.	Antero Resources Corporation	6/27/2023	335A	577	Wetzel
Tarver, Shirley	Antero Resources Corporation	6/27/2023	335A	586	Wetzel
Tennant, Thomas	Antero Resources Corporation	6/26/2023	335A	589	Wetzel
West, Jack V., Sr., by Granville W Graves, POA	Antero Resources Corporation	6/26/2023	335A	580	Wetzel
Barrett, Keith A.	Antero Resources Corporation	6/23/2023	335A	601	Wetzel
Seals, Debra A.	Antero Resources Corporation	6/23/2023	335A	598	Wetzel
Archer, Chauncey Paul	Antero Resources Corporation	6/21/2023	335A	574	Wetzel
Longwell, Sara Ellen Archer	Antero Resources Corporation	6/20/2023	335A	595	Wetzel
Teresa Jo Knox a/k/a Traci Jo Knox	SEP Exploration, LLC	7/18/2023	265	301	Tyler
Ferry, Sandra	Antero Resources Corporation	6/27/2023	336A	930	Wetzel
Ferrell, Elizabeth Mae	Antero Resources Corporation	6/20/2023	336A	924	Wetzel
Lancaster, Ray F	Antero Resources Corporation	6/30/2023	336A	921	Wetzel

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Lessor	Lessee	Lease Date	Book	Page	County
Morgan, Lloyd, aka Lloyd J. Morgan	Antero Resources Corporation	6/28/2023	336A	915	Wetzel
Marsh, Glen Edward	Antero Resources Corporation	6/20/2023	336A	918	Wetzel
Richmond, Margaret Fay, nee Palmer	Antero Resources Corporation	6/27/2023	336A	927	Wetzel
Morgan, Floyd	Antero Resources Corporation	6/27/2023	335A	608	Wetzel
Morgan, Lynette Rita	Antero Resources Corporation	6/26/2023	334A	920	Wetzel
Tennant, Thomas Jay	Antero Resources Corporation	6/30/2023	335A	611	Wetzel
Sturgillo, E. Wayne	Antero Resources Corporation	7/14/2023	337A	654	Wetzel
Ferrell, Oma A.	Antero Resources Corporation	7/7/2023	337A	645	Wetzel
Schiller, Patricia A.	Antero Resources Corporation	7/6/2023	337A	648	Wetzel
Barrett, Eric J., aka Eric J. Barrett, Sr.	Antero Resources Corporation	7/21/2023	337A	651	Wetzel
Knox, William R.	Antero Resources Corporation	6/23/2023	270	21	Tyler
Dumas, Linda	Antero Resources Corporation	6/23/2023	338A	370	Wetzel
Ella Jane Price	SEP EXPLORATION LLC	6/20/2023	334A	719	Wetzel
Deborah Timmons	SEP EXPLORATION LLC	6/30/2023	334A	723	Wetzel
Haught, David W.	Antero Resources Corporation	6/23/2023	339A	729	Wetzel
McCoy, Christina Noel	Antero Resources Corporation	6/30/2023	339A	726	Wetzel
Snider, Clyde Bert	Antero Resources Corporation	6/22/2023	342A	573	Wetzel
Ridenour, Patricia Straight	Antero Resources Corporation	6/22/2023	272	716	Tyler
Hawkins, William Kenneth	Antero Resources Corporation	7/26/2023	339A	732	Wetzel
Stewart, Kenneth	Antero Resources Corporation	8/10/2023	342A	569	Wetzel
Palmer, Lawrence A.	Antero Resources Corporation	8/11/2023	343A	226	Wetzel
Haught, Jack Lee	Antero Resources Corporation	8/11/2023	344A	777	Wetzel
Palmer, Andrew N.	Antero Resources Corporation	8/29/2023	343A	229	Wetzel
Haught, Donald Duane	Antero Resources Corporation	8/11/2023	344A	773	Wetzel
Weekley, Diana G.	Antero Resources Corporation	8/10/2023	344A	780	Wetzel
Lemasters, Michael K.	Antero Resources Corporation	8/21/2023	344A	784	Wetzel
Rex Allen Wright	SEP Exploration LLC	8/7/2023	341A	594	Wetzel
Mary Elizabeth Wright	SEP Exploration LLC	8/8/2023	341A	619	Wetzel
Landers, Barbara A., aka Barbara Ann Lancaster, fka Barbara Workman	Antero Resources Corporation	8/31/2023	345A	770	Wetzel
Pratt, Trisha	Antero Resources Corporation	8/9/2023	284	251	Tyler
Pratt, Thomas	Antero Resources Corporation	8/23/2023	284	255	Tyler
Marshall, Brian	Antero Resources Corporation	8/10/2023	284	249	Tyler
Amos, Benjamin	Antero Resources Corporation	8/14/2023	282	758	Tyler

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Pratt, Shon	Antero Resources Corporation	8/11/2023	284	253	Tyler
Haught, William Calvert	Antero Resources Corporation	9/20/2023	345A	778	Wetzel
Kociuba, Brenda Kay	Antero Resources Corporation	9/25/2023	346A	640	Wetzel
Hughes, Kimberly J. (heir of Bertha B. Soles, aka Bertha B. Sole)	Antero Resources Corporation	9/21/2023	285	668	Tyler
Knox, David H.	Antero Resources Corporation	6/23/2023	285	76	Tyler
Carter, Cheryl	Antero Resources Corporation	6/24/2023	285	73	Tyler
Straight, Debra L.	Antero Resources Corporation	6/22/2023	284	569	Tyler
Wylie, Russell A. (heir of Bertha B. Soles, aka Bertha B. Sole)	Antero Resources Corporation	9/22/2023	288	157	Tyler
Woodruff, Carolissa J. (heir of Bertha B. Soles, aka Bertha B. Sole)	Antero Resources Corporation	9/22/2023	288	154	Tyler
Shanyfelt, Davis M.	Antero Resources Corporation	6/26/2023			Tyler
Shanyfelt, Terry S.	Antero Resources Corporation	6/23/2023			Tyler
Timothy Scott Cole	SEP Exploration LLC	9/18/2023	346A	477	Wetzel
Opal Mae Sellers Leonard	SEP Exploration LLC	10/5/2023	346A	481	Wetzel
Jean Pigott	SEP Exploration LLC	10/4/2023	346A	489	Wetzel
McCormick, Candi Ann	Antero Resources Corporation	10/24/2023	349A	810	Tyler
Sole-Walko, Diana Lynn	Antero Resources Corporation	10/24/2023	353A	392	Wetzel
Knox, Rebecca	Antero Resources Corporation	6/23/2023	288	553	Tyler
Myers, Linda S. (heir of Bertha B. Soles, aka Bertha B. Sole)	Antero Resources Corporation	10/27/2023	356A	713	Wetzel
Stoutenburgh, Loretta S.	Antero Resources Corporation	6/23/2023	288	550	Tyler
Shanyfelt, Terri S.	SEP Exploration, LLC	4/4/2023	247	259	Tyler
Shanyfelt, David Michael	SEP Exploration, LLC	6/7/2023	259	376	Tyler
Straight, Carlyn G.	Antero Resources Corporation	7/13/2023	288	236	Tyler
Sherrard, Jennie Lynn	Antero Resources Corporation	11/3/2023	351A	611	Wetzel
Baum, Wanda Marie	Antero Resources Corporation	9/23/2023	351A	654	Wetzel
Peak, Charles H.	Antero Resources Corporation	10/27/2023	286	579	Tyler
Crowley, David Joseph	Antero Resources Corporation	10/24/2023	286	586	Tyler
Peak, William Eugene	Antero Resources Corporation	10/30/2023	286	593	Tyler
FERRELL OMA ANN	SEP EXPLORATION LLC	9/27/2023	349A	463	Wetzel
BEAVER BETTY	SEP EXPLORATION LLC	10/12/2023	349A	467	Wetzel
ROBINSON JENNY	SEP EXPLORATION LLC	10/12/2023	349A	471	Wetzel
LANCASTER DAVID L	SEP EXPLORATION LLC	10/16/2023	349A	475	Wetzel
LAMBIOTTE CHARLES J	SEP EXPLORATION LLC	10/17/2023	349A	479	Wetzel

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Allen, Christina Gaylyn, fka Christina Athey, nee Lancaster	Antero Resources Corporation	11/8/2023	351A	711	Wetzel
Yost, Martha Elizabeth	Antero Resources Corporation	11/8/2023	353A	211	Wetzel
Gafford, Mary Evelyn, nee Wood	Antero Resources Corporation	11/10/2023	351A	704	Wetzel
Audley, Jason Robert	Antero Resources Corporation	9/18/2023	351A	651	Wetzel
Deegan, Patricia I.	Antero Resources Corporation	11/3/2023	351A	528	Wetzel
Lancaster, Donald Joseph	Antero Resources Corporation	11/4/2023	351A	521	Wetzel
Reed, Andy R.	Antero Resources Corporation	11/9/2023	351A	648	Wetzel
Peak, Carl Douglas	Antero Resources Corporation	11/15/2023	292	787	Tyler
Smith, Pamela C.	Antero Resources Corporation	11/13/2023	353A	184	Wetzel
Sidwell, Beth Ann	Antero Resources Corporation	11/21/2023	354A	791	Wetzel
Archer, Sandra K.	Antero Resources Corporation	11/16/2023	354A	784	Wetzel
Audley, James Lee	Antero Resources Corporation	11/24/2023	354A	803	Wetzel
Straight, Karl D.	Antero Resources Corporation	6/22/2023	293	619	Tyler
Argonish, Nada	Antero Resources Corporation	8/7/2023	354A	531	Wetzel
Lemasters, Ada	Antero Resources Corporation	7/26/2023	354A	534	Wetzel
HOLMES LINDA KAY SMITH	SEP EXPLORATION LLC	10/24/2023	352A	297	WETZEL
GORBY PAULETTE MYRTLE MAE	SEP EXPLORATION LLC	10/27/2023	352A	301	WETZEL
SMITH KATHY DIANA	SEP EXPLORATION LLC	10/20/2023	353A	39	WETZEL
Wright, Scott K.	SEP EXPLORATION LLC	11/6/2023	353A	55	WETZEL
WRIGHT WILLARD L BY GDN	SEP EXPLORATION LLC	11/3/2023	353A	59	WETZEL
Sole, Robert Lee (heir of Bertha B. Soles, aka Bertha B. Sole)	Antero Resources Corporation	10/30/2023	359A	105	Wetzel
Smith, nee Lehman, Tracy Jo	Antero Resources Corporation	11/20/2023	354A	191	Wetzel
Converse, William C.	Antero Resources Corporation	10/30/2023	355A	850	Wetzel
Furter, Shirley Ann	Antero Resources Corporation	6/26/2023	355A	847	Wetzel
Hutchinson, Wilma Elizabeth, fka Wilma Vaughn, nee Lancaster	Antero Resources Corporation	12/11/2023	359A	71	Wetzel
Dietrich, Jennifer Francine	Antero Resources Corporation	11/25/2023	356A	716	Wetzel
Hiam, Janice L.	Antero Resources Corporation	11/16/2023	357A	219	Wetzel
Morgan, Vernetta R.	Antero Resources Corporation	11/3/2023	357A	216	Wetzel
Dutro, Sean M.	Antero Resources Corporation	10/31/2023	356A	78	Wetzel
Colvin, Joshua David	Antero Resources Corporation	12/20/2023	357A	712	Wetzel
Cruce, April	Antero Resources Corporation	11/15/2023	357A	222	Wetzel

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Scheper, Patricia Lou	Antero Resources Corporation	11/3/2023	360A	103	Wetzel
Berisford, Ruth Ann	Antero Resources Corporation	11/4/2023	360A	115	Wetzel
Amp V, LP	Antero Resources Corporation	1/22/2024	295	642	Tyler
Clemons, Michael Glenn	Antero Resources Corporation	11/4/2023	360A	111	Wetzel
McClure, Barbara Lynn	Antero Resources Corporation	11/3/2023	360A	107	Wetzel
Dunlevy, Mary Alice	Antero Resources Corporation	11/21/2023	362A	227	Wetzel
Baker, Charles Frederick	Antero Resources Corporation	11/29/2023	362A	231	Wetzel
Tartaglia, Slena Ann	Antero Resources Corporation	1/24/2024	361A	472	Wetzel
JENSEN CRYSTAL	SEP EXPLORATION, LLC	12/5/2023	359A	449	WETZEL
Hawkins, Marka Jane	Antero Resources Corporation	2/5/2024	361A	914	Wetzel
Minor, Robert Alan (Heir of Vada Minor)	Antero Resources Corporation	1/25/2024	360A	407	Wetzel
Dutro, Rayne	Antero Resources Corporation	12/6/2023	357A	629	Wetzel
Lancaster, David P.	Antero Resources Corporation	2/21/2024	364A	414	Wetzel
Oblick, Deborah Ann, aka Deborah A. Oblick, aka Deborah Ann Oblich, nee Sayre	Antero Resources Corporation	2/26/2024	368A	39	Wetzel
Beaver, Joseph L., AKA Joseph Lloyd Beaver	Antero Resources Corporation	1/17/2024	364A	140	Wetzel
Sayre, Evelyn B.	Antero Resources Corporation	10/27/2023	364A	143	Wetzel
Wybiral, David Lee	Antero Resources Corporation	11/13/2023	369A	55	Wetzel
Derby, Sandra D.	Antero Resources Corporation	2/21/2024	367A	383	Wetzel
Oblich, Deborah Ann, aka Deborah A. Oblick	Antero Resources Corporation	9/25/2023	365A	702	Wetzel
Lancaster, Steven Leonard	Antero Resources Corporation	2/23/2024	364A	613	Wetzel
Cohron, Tonya Roth, aka Tonya Roth	Antero Resources Corporation	2/26/2024	364A	600	Wetzel
Karen Peterson AKA Karen F. Peterson	SEP Exploration, LLC, a Colorado limited liability company	1/31/2024	301	165	Tyler
Nancy Lee Sankey AKA Nancy Lee Fore	SEP Exploration, LLC, a Colorado limited liability company	2/9/2024	301	169	Tyler
Colvin, Kharisma Dawn	Antero Resources Corporation	2/27/2024	365A	597	Wetzel
Pathfinder Resources II, LLC	SEP Appalachia, LLC	3/1/2024	363A	318	Wetzel
Pathfinder Resources II, LLC	SEP Appalachia, LLC	3/1/2024	363A	314	Wetzel
Pathfinder Resources II, LLC	SEP Appalachia, LLC	3/1/2024	363A	286	Wetzel
Chapman, Joyce Diane, nee Bertram	Antero Resources Corporation	1/15/2024	369A	52	Wetzel
Sayre, Evelyn B., aka Evelyn B. Sayre	Antero Resources Corporation	3/4/2024	368A	206	Wetzel
Sayre, Mary E.	Antero Resources Corporation	3/14/2024	368A	209	Wetzel

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The Carol Ann Hawkins Trust by Marlene Fetty	Antero Resources Corporation	2/14/2024	368A	36	Wetzel
Tribune Resources Minerals, LLC	Antero Resources Corporation	3/27/2024	365A	122	Wetzel
Lancaster, Richard Allen	Antero Resources Corporation	4/1/2024	368A	13	Wetzel
Bunting, Timothy, aka Timothy Lee Bunting and Jill Bunting, aka Jill Lynn Bunting, h/w as Joint Tenants	Antero Resources Corporation	3/21/2024	367A	926	Wetzel
Homer, John R., Jr.	Antero Resources Corporation	3/26/2024	368A	183	Wetzel
Glasscock, Vicki L.	Antero Resources Corporation	3/28/2024	308	717	Tyler
Tennant, Michael E.	Antero Resources Corporation	4/9/2024	368A	222	Wetzel
Straight, Dana S.	Antero Resources Corporation	3/12/2024	308	727	Tyler
Morrison, Kerri Kay	Antero Resources Corporation	2/13/2024	369A	479	Wetzel
Haught, Patrick Lee	Antero Resources Corporation	4/24/2024	370A	160	Wetzel
Tennant, Jack Mark	Antero Resources Corporation	5/2/2024	371A	81	Wetzel
Wilson, Lila J., aka Lila Jean Wilson, devisee of Charles Raymond Kernan, Sr.	Antero Resources Corporation	3/18/2024	371A	268	Wetzel
Vandyne, Jay and Michele Vandyne	Antero Resources Corporation	4/19/2024	371A	262	Wetzel
Graham, Michelle Blair	Antero Resources Corporation	5/9/2024	309	363	Tyler
Sayre, Nicole	Antero Resources Corporation	5/8/2024	371A	84	Wetzel
Roberson, Carol D., nee Pettit	Antero Resources Corporation	3/27/2024	371A	272	Wetzel
Ignace, Sherry, fka Sherry Bauer, fka Sherry Frame	Antero Resources Corporation	3/25/2024	374A	253	Wetzel
Smith, Pamela C., FKA Pamela Wright	Antero Resources Corporation	4/26/2024	371A	160	Wetzel
Bunting, Timothy and Jill Bunting, h/w	Antero Resources Corporation	5/21/2024	375A	27	Wetzel
Amos, Garrett Christopher	Antero Resources Corporation	5/24/2024	374A	250	Wetzel
Longwell, Sarah Ellen	Antero Resources Corporation	4/24/2024	371A	347	Wetzel
Reed, Andy R. (Heir of Sarah Earlewine)	Antero Resources Corporation	4/30/2024	371A	232	Wetzel
Tennant, Michael E.	Antero Resources Corporation	5/3/2024	371A	945	Wetzel
Baker, Nancy Mae, nee Reed, aka Nancy Reed Baker	Antero Resources Corporation	5/1/2024	371A	333	Wetzel
Archer, Sandra K., nee Reed	Antero Resources Corporation	4/26/2024	371A	894	Wetzel
Archer, Chauncey Paul (Heir of Sarah Earlewine)	Antero Resources Corporation	5/2/2024	371A	919	Wetzel
Meeks, Dennis Lee (Heir of Sarah Earlewine)	Antero Resources Corporation	5/15/2024	374A	919	Wetzel
West, Alfred R., aka Alfred Ray West	Antero Resources Corporation	4/26/2024	371A	822	Wetzel

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Slaughter, Helen Louise	Antero Resources Corporation	4/24/2024	371A	829	Wetzel
Resseger, Frank Eugene	Antero Resources Corporation	5/28/2024	372A	13	Wetzel
Resseger, Allen Dale	Antero Resources Corporation	5/21/2024	372A	53	Wetzel
Palmer, Gladys A.	Antero Resources Corporation	4/27/2024	372A	60	Wetzel
Koslowski, Carole Sue, fka Carol Schwalm	Antero Resources Corporation	4/29/2024	372A	46	Wetzel
Whalen, Timothy E.	Antero Resources Corporation	5/8/2024	372A	436	Wetzel
Steven Baker	SEP Appalachia, LLC	5/22/2024	371A	666	Wetzel
Pathfinder Resources II, LLC	SEP Appalachia, LLC	5/23/2024	371A	662	Wetzel
Kunz, Opal Mae, aka Opal Mae Underwood	Antero Resources Corporation	4/26/2024	376A	681	Wetzel
Hartley, Raymond P.	Antero Resources Corporation	4/26/2024	372A	317	Wetzel
Hawkins, William Kenneth	Antero Resources Corporation	5/2/2024	376A	812	Wetzel
Carol Ann Hawkins Trust	Antero Resources Corporation	5/23/2024	375A	253	Wetzel
Howard, Darlene, fka Darlene Floyd	Antero Resources Corporation	4/25/2024	371A	8	Wetzel
Wingert, Phillip Michael	Antero Resources Corporation	4/29/2024	373A	628	Wetzel
Hawkins, Marka Jane	Antero Resources Corporation	5/29/2024	373A	635	Wetzel
Cooper, Terry Anthony	Antero Resources Corporation	5/21/2024	374A	929	Wetzel
Elliott, Justin Eugene, aka Justin E. Elliott	Antero Resources Corporation	5/17/2024	375A	230	Wetzel
Graves, Granville W., aka Granville Woodford Graves and Ramona L. Graves, or the survivor	Antero Resources Corporation	5/28/2024	373A	654	Wetzel
Resseger, Bert Leslie, aka Bert Resseger	Antero Resources Corporation	5/20/2024	373A	867	Wetzel
Passmore, Carolyn J., aka Carolyn Joyce Passmore	Antero Resources Corporation	5/21/2024	373A	118	Wetzel
Drain, Kimberly Jo	Antero Resources Corporation	5/7/2024	373A	111	Wetzel
Lancaster, Clarence Leon	Antero Resources Corporation	6/11/2024	375A	331	Wetzel
Haught, Dennis Gale	Antero Resources Corporation	6/12/2024	375A	335	Wetzel
Sidwell, Beth Ann (Heir of Sara Earlewine)	Antero Resources Corporation	5/13/2024	373A	692	Wetzel
Sherrard, Jennie Lynn (Heir of Sara Earlewine)	Antero Resources Corporation	5/6/2024	373A	685	Wetzel
Twigg, Helen aka Helen M. Twigg	Antero Resources Corporation	5/31/2024	311	577	Tyler
Davis, Timothy Vaughn	Antero Resources Corporation	5/15/2024	376A	695	Wetzel
Ueltschy, Rosalie Martha	Antero Resources Corporation	6/14/2024	375A	333	Wetzel
Whalen, Ron S., aka Ronald S. Whalen	Antero Resources Corporation	5/10/2024	373A	911	Wetzel
Olson, Jayneen, fka Jayneen Smith	Antero Resources Corporation	6/12/2024	375A	341	Wetzel
Howell, Rebecca June, nee Haught	Antero Resources Corporation	6/11/2024	375A	339	Wetzel

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Office of Oil and Gas

NOV 19 2024

Office of Oil and Gas
West Virginia Department of Natural Resources

10/10/2025

Lessor	Lessee	Lease Date	Book	Page	County
Bassett, Teresa Lynn, nee Haught	Antero Resources Corporation	6/7/2024	375A	337	Wetzel
Christensen, Michael Dean (Heir of Sara Earlewine)	Antero Resources Corporation	6/10/2024	375A	261	Wetzel
Christensen, Richard Allen	Antero Resources Corporation	6/10/2024	375A	249	Wetzel
Patterson, Deanna Lee (Heir of Sara Earlewine)	Antero Resources Corporation	6/12/2024	375A	257	Wetzel
Seals, Debra A.	Antero Resources Corporation	5/4/2024	373A	520	Wetzel
Barrett, Eric J. Sr., AKA Eric Barrett Sr.	Antero Resources Corporation	5/21/2024	374A	895	Wetzel
Fetty, Marlene Eunice	Antero Resources Corporation	5/13/2024	376A	722	Wetzel
Tennant, Jack Mark	Antero Resources Corporation	6/3/2024	376A	715	Wetzel
Barrett, Keith A., AKA Keith Alan Barrett	Antero Resources Corporation	5/1/2024	374A	882	Wetzel
Kenneth W. Lancaster	SEP Exploration, LLC	10/30/2023	356A	800	Wetzel
Tennant, Thomas Edward	Antero Resources Corporation	4/29/2024	375A	306	Wetzel
Haught, Carol Sue	Antero Resources Corporation	6/25/2024	376A	912	Wetzel
Underwood, Donald Lee	Antero Resources Corporation	3/23/2024			Wetzel
Underwood, Edward E., aka Edward Earl Underwood	Antero Resources Corporation	3/23/2024	378A	858	Wetzel
Slayton, David J. (Heir of Elizabeth G. Sayre)	Antero Resources Corporation	6/23/2024	376A	906	Wetzel
Slayton, Robert M.	Antero Resources Corporation	6/18/2024	379A	27	Wetzel
Slayton, Matthew P. (Heir of Elizabeth G. Sayre)	Antero Resources Corporation	6/23/2024	376A	909	Wetzel
Anderson, Melinda Jean	Antero Resources Corporation	6/18/2024	379A	32	Wetzel
Dennis M. Strobe	SEP Appalachia, LLC	6/24/2024	311	679	Tyler
Leonard Opal Mae Sellers	SEP Appalachia, LLC	6/24/2024	375A	58	Wetzel
Dumas, Linda, aka Linda Morgan	Antero Resources Corporation	6/25/2024	375A	425	Wetzel
The Robert N. Stewart Trust	Antero Resources Corporation	6/13/2024	379A	34	Wetzel
Davis, David Paul, Jr.	Antero Resources Corporation	7/8/2024			Wetzel
Moore, Kyle James	Antero Resources Corporation	5/21/2024			Wetzel
Davis, Kenzee Lynn	Antero Resources Corporation	6/12/2024			Wetzel
Marich, Katherine Jean (Heir of Steve Roger Marich)	Antero Resources Corporation	5/13/2024			Wetzel
Meeks, Dennis Lee, aka Dennis L. Meeks (heir of Mary Louise Cottrill Davis)	Antero Resources Corporation	6/7/2024			Wetzel
Smith, Tracy Jo	Antero Resources Corporation	5/28/2024			Wetzel
Smith, Terry Lee	Antero Resources Corporation	6/3/2024			Wetzel
Amos, Seth Jonathan	Antero Resources Corporation	6/10/2024			Wetzel

RECORDED
Office of Oil and Gas
NOV 10 2024
11:01 AM
Wetzel County

Lessor	Lessee	Lease Date	Book	Page	County
Lancaster, Ronald, Jr. aka Ronald Carlton Lancaster, Jr.	Antero Resources Corporation	5/30/2024			Wetzel
Woidtke, Tracy Ann	Antero Resources Corporation	5/28/2024			Wetzel
Hackley, Susan Lynne	Antero Resources Corporation	5/24/2024			Wetzel
Allison Jessica Ann	SEP Appalachia, LLC	6/27/2024	377A	921	Wetzel
Haught, Donald D.	Antero Resources Corporation	8/2/2024			Wetzel
Ivill, Cheryl Darlene	Antero Resources Corporation	5/24/2024			Wetzel
Audley, James Lee, aka James Audley	Antero Resources Corporation	7/15/2024			Wetzel
Eberhardt, Teresa, aka Teresa D. Eberhardt	Antero Resources Corporation	8/1/2024			Tyler
Gorby, Paulette Myrtle Mae, aka Paulette M. Gorby	Antero Resources Corporation	5/24/2024			Wetzel
Howell, Rebecca June, nee Haught	Antero Resources Corporation	8/6/2024			Wetzel
Horner, John R., aka John R. Horner, Jr.	Antero Resources Corporation	8/5/2024			Wetzel
Ueltschy, Rosalie Martha, aka Rosalie Ueltschy, nee Haught	Antero Resources Corporation	8/5/2024			Wetzel
Olson, Jayneen, nee Taylor, fka Jayneen Smith	Antero Resources Corporation	7/30/2024			Wetzel
Haught, David W.	Antero Resources Corporation	8/9/2024			Wetzel
Amos, Shawn Michael, aka Shawn M. Amos	Antero Resources Corporation	6/3/2024			Wetzel
Audley, Jason Robert	Antero Resources Corporation	6/13/2024			Wetzel
Ferrell, Elizabeth Mae, aka Elizabeth Mae Ferrell Audley	Antero Resources Corporation	4/24/2024			Wetzel
Ferrell, Bradley S.	Antero Resources Corporation	5/7/2024			Wetzel
Ferrell, John Richard, aka John R. Ferrell	Antero Resources Corporation	5/15/2024			Wetzel
Kowalski, Dominic Joseph and Delmer Michele, JTWROS	Antero Resources Corporation	7/3/2024			Tyler
Antero Minerals LLC	Antero Resources Corporation	8/27/2024			Wetzel

OCT 10 2024
 NOV 10 2024
 NOV 10 2024

Antero Resources
Well No. Skewed 2H
BHL MOD
Antero Resources Corporation



Page
1 of 2

Proposed
Well No.
Skewed Unit 2H

5/8" Rebar

1/2" Rebar

Rebar & Cap

Top Hole
7.5' Spot

500' Buffer

47-103-0130

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47-103-0130

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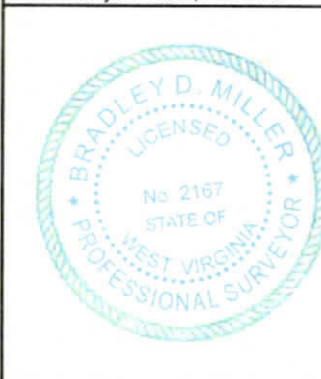
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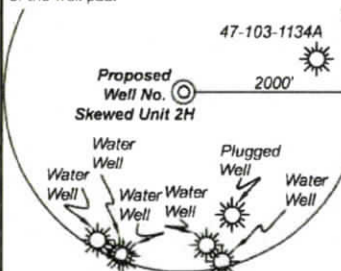
47-103-0130

I, the undersigned, hereby certify that this
plat is correct to the best of my
knowledge and belief and shows all the
information required by law and the rules
issued and prescribed by the
Department of Environmental Protection.

Bradley D. Miller
Bradley D. Miller, P.S. 2167



Note: Five water wells were found within 2000'
of proposed well. No occupied dwellings or
buildings 2,500 square feet or larger used to
house or shelter dairy cattle or poultry
husbandry are located within 625' of the center
of the well pad.



Bearing	Dist.
L1 N 18°36' E	962.2'
L2 N 36°02' W	1,326.5'
L3 S 81°52' W	1,119.7'
L4 S 89°09' E	2,649.4'
L5 N 55°06' E	1,100.5'

Well Location References

Not To Scale

Stake & Tack

Proposed Well No. Skewed 2H

Stake & Tack

Lincoln Pad

Proposed Well No. Skewed 2H

Stake & Tack

Lincoln Pad

Proposed Well No. Skewed 2H

Stake & Tack

Lincoln Pad

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Stake & Tack

Lincoln Pad

Proposed Well No. Skewed 2H

Stake & Tack

Lincoln Pad

Proposed Well No. Skewed 2H

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

DATE: August 21 20 24

OPERATOR'S WELL NO. Skewed 2H

API WELL NO

47 - 103 - 03678

STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW

LOCATION: ELEVATION: Proposed Elev: 1,260' Existing Elev: 1,290' WATERSHED: Fishing Creek QUADRANGLE: Pine Grove

DISTRICT: BHL: McElroy COUNTY: THL: Wetzel BHL: Tyler

SURFACE OWNER: Antero Midstream, LLC ACREAGE: 33.25

ROYALTY OWNER: Melinda A. Debner LEASE NO: ACREAGE: 33.25

PROPOSED WORK: ☐ DRILL ☐ CONVERT ☒ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION

☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 7,600' TVD

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,200' MD

WELL OPERATOR: Antero Resources Corporation

DESIGNATED AGENT: Kevin Ellis

ADDRESS: 1615 Wynkoop Street

ADDRESS: 535 White Oaks Blvd.

Denver, CO 80202

Bridgeport, WV 26330

Notes
West Virginia Coordinate System
of 1927, North Zone
based upon Differential GPS Measurements.
Well No. Skewed Unit 2H Top Hole coordinates are
N: 373,504.40' Latitude: 39°31'07.89"
E: 1,650,139.93' Longitude: 80°44'24.69"
Bottom Hole coordinates are
N: 360,585.94' Latitude: 39°29'00.93"
E: 1,655,416.26' Longitude: 80°43'15.13"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,374,398.623m N: 4,370,489.791m
E: 522,347.124m E: 524,020.221m
Plat orientation and corner and well references
are based upon the grid north meridian.
Well location references are based upon the magnetic
meridian.

Notes:
Well No. Skewed Unit 2H
UTM Zone 17, NAD 1927
Top Hole Coordinates
N: 14,350,957.48'
E: 1,713,686.20'
Point of Entry Coordinates
N: 14,351,601.98'
E: 1,714,577.72'
Bottom Hole Coordinates
N: 14,338,133.18'
E: 1,719,175.53'

Wellhead Layout (NTS)

Arrow Unit 1H
(47-103-03675)
Bassett Unit 1H
(47-103-03676)
Skewed Unit 1H
(47-103-03677)
Proposed Well
Skewed Unit 2H
(47-103-03678)

Legend
 Proposed gas well
 Monument, as noted
 Existing Well, as noted
 Digitized Well, as noted
 Creek or Drain
 Road
 Surface boundary (approx.)
 Interior surface tracts (approx.)
 District Line

LONGITUDE 80 - 42 - 30
8,307' to Top Hole
5,976' to Bottom Hole

8,987' to Top Hole

TOP HOLE LATITUDE 39 - 32 - 30
BTM HOLE LATITUDE 39 - 30 - 00

3,538' to Bottom Hole