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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Wednesday, November 5, 2025  
PERMIT MODIFICATION APPROVAL  
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION  
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for BURKE UNIT 1H  
47-095-02946-00-00

**Extended Lateral**

ANTERO RESOURCES CORPORATION

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

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

A handwritten signature in black ink that reads "H. Jason Harmon".

H. Jason Harmon  
Acting Chief

Operator's Well Number: BURKE UNIT 1H  
Farm Name: ANTERO RESOURCES CORPORATION  
U.S. WELL NUMBER: 47-095-02946-00-00  
Horizontal 6A New Drill  
Date Modification Issued: 11/5/2025

Promoting a healthy environment.

11/07/2025

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

1) Well Operator:	<u>Antero Resources Corporation</u>	<u>494507062</u>	<u>095 - Tyler</u>	<u>Lincoln</u>	<u>Paden City</u>
	Operator ID	County	District	Quadrangle	

2) Operator's Well Number: Burke Unit 1H MOD Well Pad Name: Shinn Pad

3) Farm Name/Surface Owner: Antero Resources Corporation Public Road Access: Badger Run Road

4) Elevation, current ground: 1036' Elevation, proposed post-construction: 1036'

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- 2800#

8) Proposed Total Vertical Depth: 6700' TVD

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 20700' MD

11) Proposed Horizontal Leg Length: 12808.1'

12) Approximate Fresh Water Strata Depths: 328

13) Method to Determine Fresh Water Depths: 47-095-02781

14) Approximate Saltwater Depths: 1440

15) Approximate Coal Seam Depths: N/A

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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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	H-40	94#	100	100	CTS, 96 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	378	378	CTS, 394 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	2500	2500	CTS, 1018 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P-110	23#	20700	20700	4288 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"	0.438"	1530	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"	12,630	2500	Lead-HPOZ & Tail - H	H/POZ-1.44 & H-1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

**PACKERS**

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

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11/07/2025  
Stephen Mccoy  
Digitally signed by Stephen Mccoy  
Date: 2025.09.10 08:18:17 -0400

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

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

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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): 38.32 acres

22) Area to be disturbed for well pad only, less access road (acres): 16.29 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 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.

# 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

500' Buffer

Burke 1H

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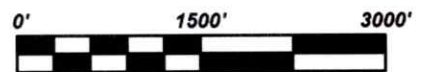
WV Department of  
Environmental Protection



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

172 Thompson Drive  
Bridgeport, WV 26330

PARTY CHIEF: C. Lynch	DRAWN BY: D. Rader
RESEARCH: J. Miller	PREPARED: October 17, 2025
SURVEYED: Dec. 2016	PROJECT NO: 162-54-L-23
FIELD CREW: C.L., K.M.	SHEET 1 of 1 DRAWING NO: Burke 1H BHL-MOD AOR



Scale: 1 inch = 1500 feet

11/07/2025

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
<b><u>Y: Raymond B. Heintzman &amp; Eva J. Heintzman Lease</u></b>			
Raymond B. Heintzman & Eva J. Heintzman	McCombs Conrad & Barrett	1/8	207/136
McCombs Conrad & Barrett	Appalachian Exploration & Development, Inc	Assignment	207/487
Appalachian Exploration & Development, Inc	The Carter-Jones Lumber Company	Assignment	233/563
The Carter-Jones Lumber Company	Applied Mechanics Corporation	Assignment	258/132
Applied Mechanics Corporation	Triad Hunter, LLC	Assignment	385/566
Triad Hunter, LLC	Antero Resources Corporation	Assignment	496/776
<b><u>AA: Nevin Porter, et al Lease</u></b>			
Nevin Porter, et al	Antero Resources Corporation	1/8+	464/467
<b><u>Z: BRC Appalachian Minerals I, LLC Lease</u></b>			
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
<b><u>W: BRC Appalachian Minerals I, LLC Lease</u></b>			
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
<b><u>U: AMP Fund II, LP Lease</u></b>			
AMP Fund II, LP	Antero Resources Corporation	1/8+	321/706
<b><u>Q: Francis R. Gaiser Lease</u></b>			
Francis R. Gaiser	Antero Resources Corporation	1/8+	236/360
<b><u>M: AMFLO Enterprises, LLC Lease</u></b>			
AMFLO Enterprises, LLC	Antero Resources Corporation	1/8+	200/629
<b><u>I: Master Mineral Holdings II, LP Lease</u></b>			
Master Mineral Holdings II, LP	SEP Appalachia, LLC	1/8+	324/746
SEP Appalachia, LLC	Antero Resources Corporation	Agreement	375/50
<b><u>I: William J. Patterson, et al Lease</u></b>			
William J. Patterson, et al	Antero Resources Corporation	1/8+	200/60
<b><u>J: William J. Patterson, et al Lease</u></b>			
William J. Patterson, et al	Antero Resources Corporation	1/8+	200/60

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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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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<b><u>I: William J. Patterson, et al Lease</u></b> William J. Patterson, et al	Antero Resources Corporation	1/8+	200/60
<b><u>G: BRC Appalachian Minerals I, LLC Lease</u></b> 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
<b><u>D: David E. Bowyer Lease</u></b> David E. Bowyer	Antero Resources Corporation	1/8+	622/327
<b><u>E: Everett Max Rine Lease</u></b> Everett Max Rine	Antero Resources Corporation	1/8+	154/667

\*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.

**\*Cotenancy 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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**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
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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:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
<u>C: Betty Jean Reed Lease</u>	Betty Jean Reed	Antero Resources Corporation	1/8+	571/762

**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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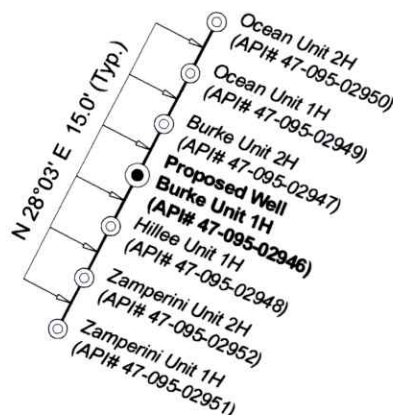
Antero Resources  
Well No. Burke 1H  
BHL-MOD  
Antero Resources Corporation

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ID	Lease
B	ATX Mineral Holdings, LLC
C	Betty Jean Reed
D	David E. Bowyer
E	Everett Max Rine
G	BRC Appalachian Minerals I, LLC
H	Greenbrier Royalty Fund II, LLC
I	William J. Patterson, et al
J	William J. Patterson, et al
K	William J. Patterson, et al
L	Master Mineral Holdings II, LP
M	AMFLO Enterprises, LLC
N	Michael D. Eddy
Q	Francis R. Gaiser
R	Jeffrey A. & Karen Jo Gaiser
S	Jack G. Gaiser Revocable Living Trust
T	James Earl Cooper
U	AMP Fund II, LP
V	Waco Oil & Gas Co., Inc.
W	BRC Appalachian Minerals I, LLC
Y	Raymond B. Heintzman & Eva J. Heintzman
Z	BRC Appalachian Minerals I, LLC
AA	Nevin Porter, et al
AC	Virginia A. Nalley
AD	John L. Hess

Wellhead Layout (NTS)



Legend

- Proposed gas well
- Well Reference, as noted
- Monument, as noted
- Existing Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Existing road
- Surface boundary (approx.)
- State line (approx.)

Notes

West Virginia Coordinate System  
of 1927, North Zone  
based upon Differential GPS Measurements.  
Well No. Burke Unit 1H Top Hole coordinates are  
N: 387,127.07' Latitude: 39°33'13.86"  
E: 1,591,601.06' Longitude: 80°56'54.41"  
Bottom Hole coordinates are  
N: 399,588.12' Latitude: 39°35'16.40"  
E: 1,587,806.63' Longitude: 80°57'45.44"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,378,250.665m N: 4,382,027.677m  
E: 504,443.802m E: 503,224.519m  
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. Burke Unit 1H  
UTM Zone 17, NAD 1927  
Top Hole Coordinates  
N: 14,363,596.78'  
E: 1,654,948.03'  
Point of Entry Coordinates  
N: 14,363,858.67'  
E: 1,655,046.50'  
Bottom Hole Coordinates  
N: 14,375,988.52'  
E: 1,650,947.45'

Tyler County

No.	TM / Par	Owner	Bk / Pg	Ac.
1	1 / 1	United States of America	288 / 119	111.00
2	1 / 5	David & Randi Glendening	625 / 84	4.07
3	1 / 26.1	Larry R. & Kim M. Henthorn	605 / 407	0.37
4	1 / 26	Betty J. Reed	W39 / 498	1.36
5	4 / 53	Ronald A. & Betty J. Reed	214 / 417	51.77
6	4 / 52	Ronald A. & Betty J. Reed	W39 / 384	35.20
7	4 / 53.2	Danny Stewart & Everett M. Rine	323 / 674	7.90
8	4 / 38	Dorothy L. Stewart	562 / 573	59.52
9	4 / 39	Matthew C. & Kelly Stewart	631 / 298	205.17
10	4 / 58	Patrick & Shirley Lancaster	270 / 272	108.48
11	4 / 36	Danny G. & Dorothy L. Stewart	312 / 121	1.46
12	4 / 37	Dorothy Stewart	563 / 318	64.56
13	4 / 34	Dorothy L. Stewart (LE)	562 / 573	64.56
14	4 / 35	Dorothy Stewart	W17 / 50	4.00
15	4 / 30	Daniel C. & Nicki D. Stewart	547 / 140	9.00
16	4 / 33	Joyce A. Owen	W86 / 407	42.00
17	4 / 85	Patrick & Shirley A. Lancaster	212 / 376	86.22
18	4 / 29	Michael D. Eddy	OR 210 / 344	9.60
19	4 / 28	Janice M. & Michael D. Eddy	OR 188 / 546	15.40
20	4 / 27	Frances R. Gaiser	W23 / 29	31.50
21	4 / 98	Friendly Public Service District	320 / 335	0.02
22	4 / 86	Janice M. & Michael D. Eddy	OR 188 / 546	29.12
23	4 / 25	The Jack G. Gaiser Revocable Trust, dated December 30, 2015, et al	OR 312 / 451	5.16
24	4 / 26	The Jack G. Gaiser Revocable Trust, dated December 30, 2015, et al	OR 312 / 451	0.47
25	4 / 103	Trad A. Dill	594 / 323	17.04
26	4 / 105	Danny G. & Susan M. Gilbert	402 / 202	5.79
27	4 / 100	David & Patricia Willey	OR 350 / 627	3.29
28	4 / 101	Jessie L. & Angela S. Sandy	376 / 648	2.61
29	4 / 106	Frank Brogden, et al	593 / 315	14.68
30	4 / 107	Bruce M. Edmonds	349 / 334	11.61
31	8 / 11.2	Frank & Sherry Brogden	367 / 657	14.82
32	4 / 102	Elizabeth A. Davis	331 / 465	6.42
33	8 / 7.3	Michael P. Wells	OR 291 / 170	63.00
34	8 / 10	Camille Mace	418 / 768	32.47
35	8 / 10.2	Curtis & Sarah Tallman	418 / 774	20.04
36	8 / 11	Robert T. Stevenson	357 / 190	27.05
37	8 / 11.1	Camille Mace	418 / 768	7.18
38	8 / 21	Clay W. & Delphine E. Shinn	OR 61 / 786	35.51
39	8 / 10.1	Curtis & Sarah Tallman	418 / 772	6.99
40	8 / 19	Olive Branch Animal Rescue & Refuge, Inc.	OR 312 / 564	173.48
41	8 / 39	Antero Midstream, LLC	OR 218 / 520	70.65
42	8 / 41	David E. & Ila G. Kyle	272 / 189	118.10
43	8 / 21.2	Antero Resources Corp.	OR 296 / 494	52.51

FILE NO: 162-54-L-23

DRAWING NO: Burke Unit 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: October 8 20 25

OPERATOR'S WELL NO. Burke Unit 1H

API WELL NO

47 - 095 - 02946  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,036' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City

DISTRICT: Lincoln

SURFACE OWNER: Antero Resources Corp

COUNTY: Tyler

ACREAGE: 52.51 11/07/2025

ROYALTY OWNER: Raymond B. Heintzman & Eva J. Heintzman LEASE NO: ACREAGE: 52.51

PROPOSED WORK: ☐ DRILL ☐ CONVERT ☒ DRILL DEEPER ☒ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION  
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL-MOD 6,700' TVD

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 20,700' MD

WELL OPERATOR: Antero Resources Corporation

DESIGNATED AGENT: Conrad Baston

ADDRESS: 1615 Wynkoop Street

ADDRESS: 535 White Oaks Blvd.

Denver, CO 80202

Bridgeport, WV 26330



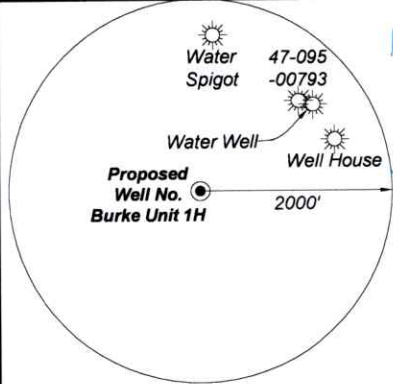


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

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



SEAL



Note: Three 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.

FILE NO: 162-54-L-23  
DRAWING NO: Burke Unit 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: October 8 20 25  
OPERATOR'S WELL NO. Burke Unit 1H  
API WELL NO  
47 - 095 - 02946  
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL  
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW  
LOCATION: ELEVATION: As-Built 1,036' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City  
DISTRICT: Lincoln COUNTY: Tyler  
SURFACE OWNER: Antero Resources Corp ACREAGE: 52.51 11/07/2025  
ROYALTY OWNER: Raymond B. Heintzman & Eva J. Heintzman LEASE NO: ACREAGE: 52.51  
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☒ DRILL DEEPER ☒ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION  
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL-MOD 6,700' TVD  
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 20,700' MD  
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Conrad Baston  
ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.  
Denver, CO 80202 Bridgeport, WV 26330

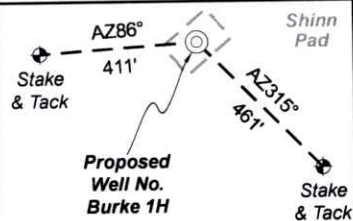


Antero Resources  
Well No. Burke 1H  
BHL-MOD  
Antero Resources Corporation

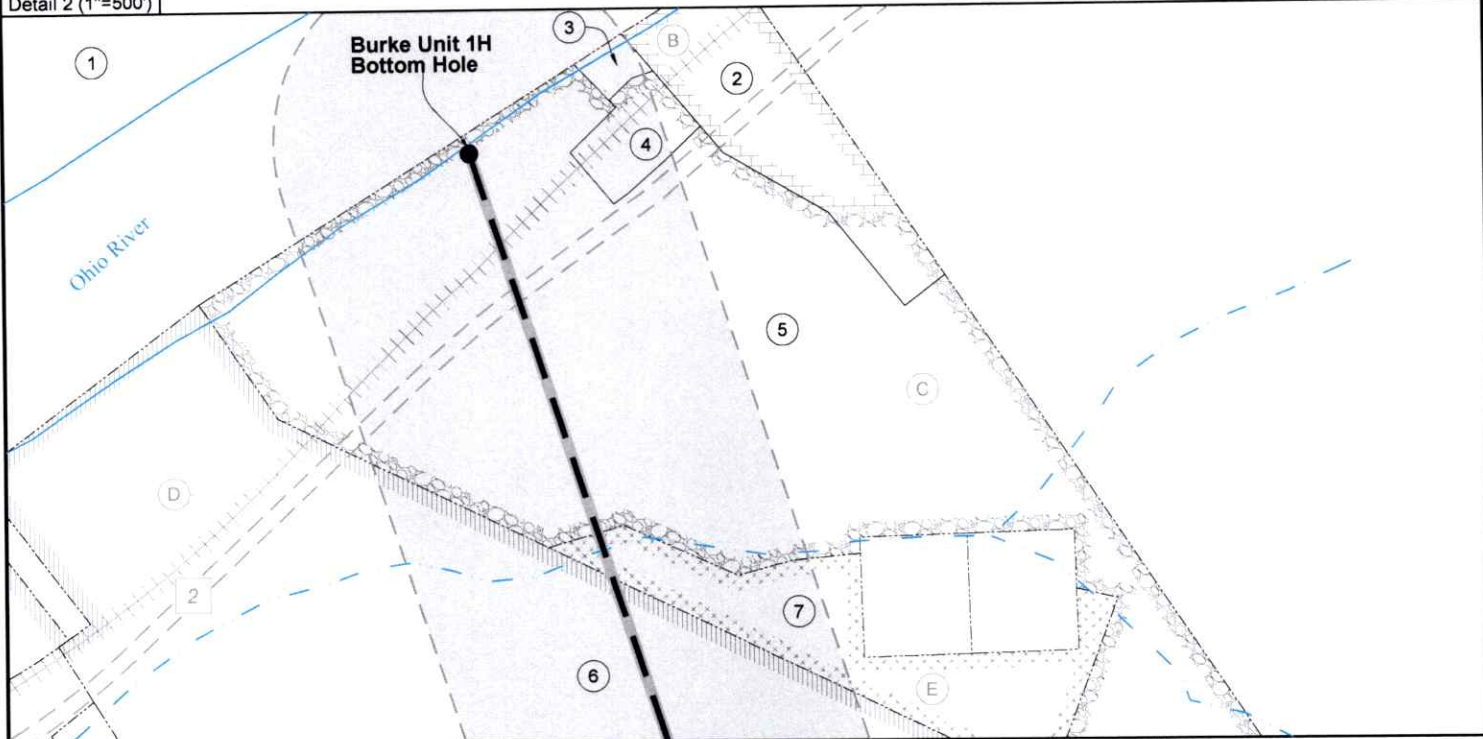
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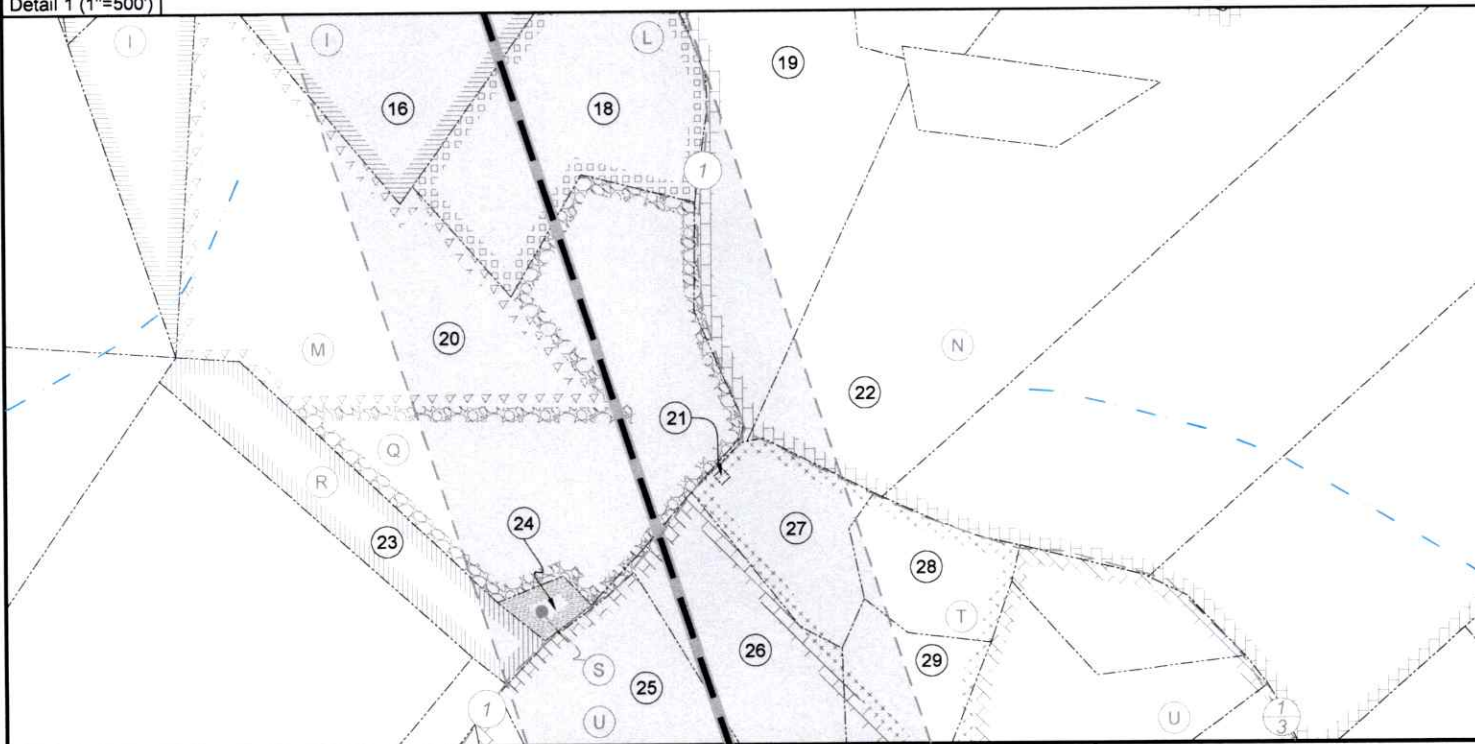
Well Location References



Detail 2 (1"=500')



Detail 1 (1"=500')



FILE NO: 162-54-L-23

DRAWING NO: Burke Unit 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: October 8 20 25

OPERATOR'S WELL NO. Burke Unit 1H

API WELL NO

47 - 095 - 02946  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,036' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City

DISTRICT: Lincoln

COUNTY: Tyler

SURFACE OWNER: Antero Resources Corp

ACREAGE: 52.51 11/07/2025

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Antero Resources  
Well No. Burke 1H  
BHL-MOD  
Antero Resources Corporation

Page 1 of 3

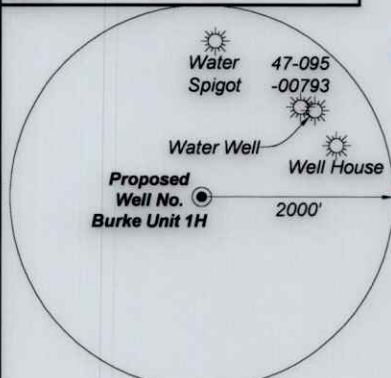


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller, P.S. 2167



SEAL



Note: Three 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.

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8,961' to Top Hole

1,209' to Bottom Hole

TOP LATITUDE 39 - 35 - 00  
BTM LATITUDE 39 - 37 - 30

Tag	Bearing	Dist.
L1	N 13°03' W	608.6'
L2	N 31°43' W	3,239.5'
L3	S 33°16' E	1,481.6'
L4	N 71°23' E	3,145.1'
L5	N 21°34' E	279.9'

TOP HOLE LONGITUDE 80 - 55 - 00  
BTM HOLE LONGITUDE 80 - 57 - 00

10,739' to Top Hole

13,517' to Bottom Hole



Antero Resources  
Well No. Burke 1H  
BHL-MOD  
Antero Resources Corporation

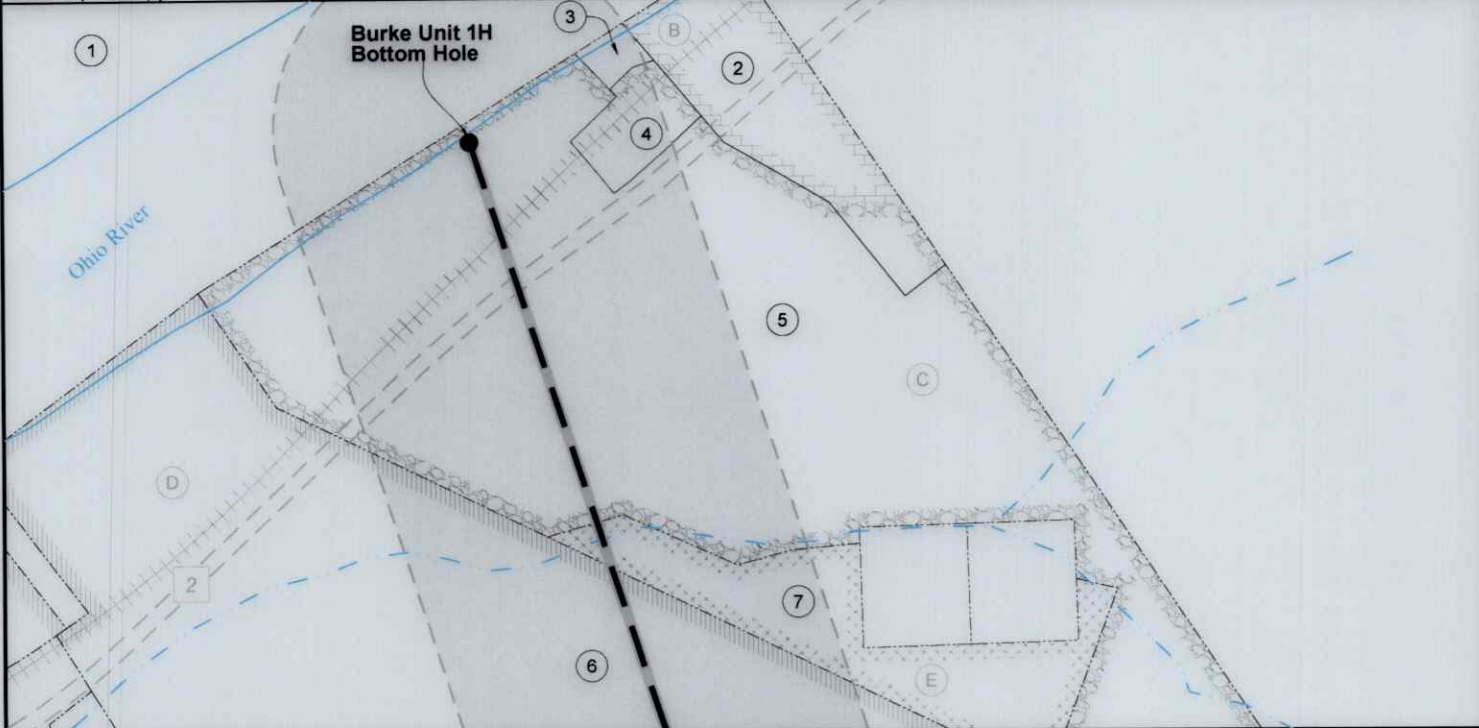
Page 2 of 3



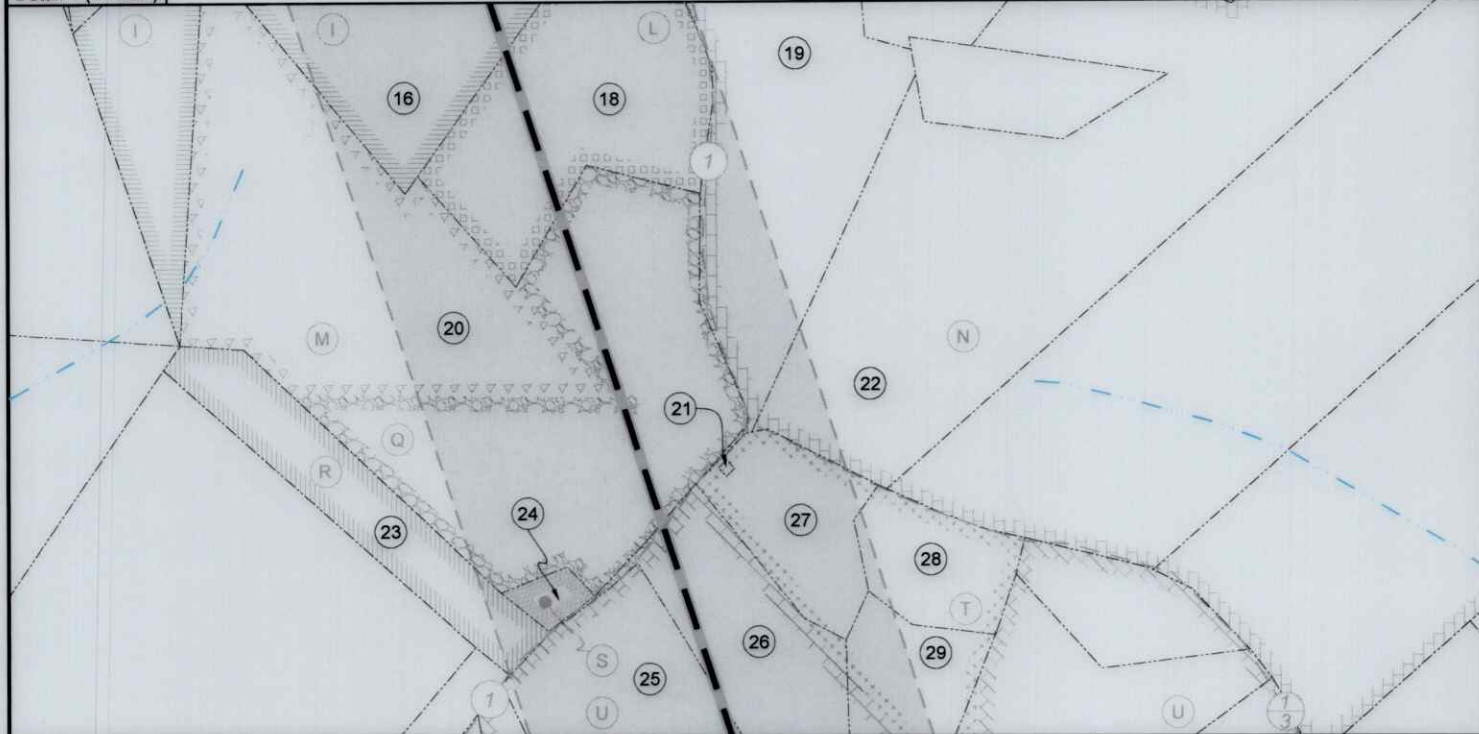
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STATE COUNTY PERMIT

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QUADRANGLE: Paden City

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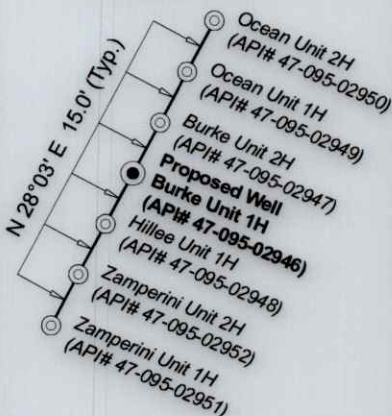


Antero Resources  
Well No. Burke 1H  
BHL-MOD  
Antero Resources Corporation

Page 3 of 3



Wellhead Layout (NTS)



Legend

- Proposed gas well
- Well Reference, as noted
- Monument, as noted
- Existing Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Existing road
- Surface boundary (approx.)
- State line (approx.)

Notes

West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
Well No. Burke Unit 1H Top Hole coordinates are  
N: 387,127.07' Latitude: 39°33'13.86"  
E: 1,591,601.06' Longitude: 80°56'54.41"  
Bottom Hole coordinates are  
N: 399,588.12' Latitude: 39°35'16.40"  
E: 1,587,806.63' Longitude: 80°57'45.44"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,378,250.665m N: 4,382,027.677m  
E: 504,443.802m E: 503,224.519m  
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. Burke Unit 1H  
UTM Zone 17, NAD 1927  
Top Hole Coordinates  
N: 14,363,596.78'  
E: 1,654,948.03'  
Point of Entry Coordinates  
N: 14,363,858.67'  
E: 1,655,046.50'  
Bottom Hole Coordinates  
N: 14,375,988.52'  
E: 1,650,947.45'

ID	Lease
B	ATX Mineral Holdings, LLC
C	Betty Jean Reed
D	David E. Bowyer
E	Everett Max Rine
G	BRC Appalachian Minerals I, LLC
H	Greenbrier Royalty Fund II, LLC
I	William J. Patterson, et al
J	William J. Patterson, et al
K	William J. Patterson, et al
L	Master Mineral Holdings II, LP
M	AMFLO Enterprises, LLC
N	Michael D. Eddy
Q	Francis R. Gaiser
R	Jeffrey A. & Karen Jo Gaiser
S	Jack G. Gaiser Revocable Living Trust
T	James Earl Cooper
U	AMP Fund II, LP
V	Waco Oil & Gas Co., Inc.
W	BRC Appalachian Minerals I, LLC
Y	Raymond B. Heintzman & Eva J. Heintzman
Z	BRC Appalachian Minerals I, LLC
AA	Nevin Porter, et al
AC	Virginia A. Nalley
AD	John L. Hess

Tyler County				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	1 / 1	United States of America	288 / 119	111.00
2	1 / 5	David & Randi Glendening	625 / 84	4.07
3	1 / 26.1	Larry R. & Kim M. Henthorn	605 / 407	0.37
4	1 / 26	Betty J. Reed	W39 / 498	1.36
5	4 / 53	Ronald A. & Betty J. Reed	214 / 417	51.77
6	4 / 52	Ronald A. & Betty J. Reed	W39 / 384	35.20
7	4 / 53.2	Danny Stewart & Everett M. Rine	323 / 674	7.90
8	4 / 38	Dorothy L. Stewart	562 / 573	59.52
9	4 / 39	Matthew C. & Kelly Stewart	631 / 298	205.17
10	4 / 58	Patrick & Shirley Lancaster	270 / 272	108.48
11	4 / 36	Danny G. & Dorothy L. Stewart	312 / 121	1.46
12	4 / 37	Dorothy Stewart	563 / 318	64.56
13	4 / 34	Dorothy L. Stewart (LE)	562 / 573	64.56
14	4 / 35	Dorothy Stewart	W17 / 50	4.00
15	4 / 30	Daniel C. & Nick D. Stewart	547 / 140	9.00
16	4 / 33	Joyce A. Owen	W86 / 407	42.00
17	4 / 85	Patrick & Shirley A. Lancaster	212 / 376	86.22
18	4 / 29	Michael D. Eddy	OR 210 / 344	9.60
19	4 / 28	Janice M. & Michael D. Eddy	OR 188 / 546	15.40
20	4 / 27	Frances R. Gaiser	W23 / 29	31.50
21	4 / 98	Friendly Public Service District	320 / 335	0.02
22	4 / 86	Janice M. & Michael D. Eddy	OR 188 / 546	29.12
23	4 / 25	The Jack G. Gaiser Revocable Trust, dated December 30, 2015, et al	OR 312 / 451	5.16
24	4 / 26	The Jack G. Gaiser Revocable Trust, dated December 30, 2015, et al	OR 312 / 451	0.47
25	4 / 103	Trad A. Dill	594 / 323	17.04
26	4 / 105	Danny G. & Susan M. Gilbert	402 / 202	5.79
27	4 / 100	David & Patricia Willey	OR 350 / 627	3.29
28	4 / 101	Jessie L. & Angela S. Sandy	376 / 648	2.61
29	4 / 106	Frank Brogden, et al	593 / 315	14.68
30	4 / 107	Bruce M. Edmonds	349 / 334	11.61
31	8 / 11.2	Frank & Sherry Brogden	367 / 657	14.82
32	4 / 102	Elizabeth A. Davis	331 / 465	6.42
33	8 / 7.3	Michael P. Wells	OR 291 / 170	63.00
34	8 / 10	Camille Mace	418 / 768	32.47
35	8 / 10.2	Curtis & Sarah Tallman	418 / 774	20.04
36	8 / 11	Robert T. Stevenson	357 / 190	27.05
37	8 / 11.1	Camille Mace	418 / 768	7.18
38	8 / 21	Clay W. & Delphine E. Shinn	OR 61 / 786	35.51
39	8 / 10.1	Curtis & Sarah Tallman	418 / 772	6.99
40	8 / 19	Olive Branch Animal Rescue & Refuge, Inc.	OR 312 / 564	173.48
41	8 / 39	Antero Midstream, LLC	OR 218 / 520	70.65
42	8 / 41	David E. & Ila G. Kyle	272 / 189	118.10
43	8 / 21.2	Antero Resources Corp.	OR 296 / 494	52.51

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