



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 24, 2025
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for BURKE UNIT 2H
47-095-02947-00-00

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, appearing to read "Jason Harmon".

H. Jason Harmon
Acting Chief

Operator's Well Number: BURKE UNIT 2H
Farm Name: ANTERO RESOURCES CORPORATION
U.S. WELL NUMBER: 47-095-02947-00-00
Horizontal 6A New Drill
Date Modification Issued: 11/24/2025

Promoting a healthy environment.

11/28/2025

WW-6B
(04/15)

RECEIVED
Office Of Oil and Gas

NOV 6 2025

WV Department of
Environmental Protection

API NO. 47-095 - 02947

OPERATOR WELL NO. Burke Unit 2H MOD

Well Pad Name: Shinn Pad

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

- 1) Well Operator: Antero Resources Corporation 494507062 095 - Tyler Lincoln Paden City
Operator ID County District Quadrangle
- 2) Operator's Well Number: Burke Unit 2H 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: 21700' MD
- 11) Proposed Horizontal Leg Length: 12964.8'
- 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: _____

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#	21700	21700	4540 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-H/POZ & Tail - H	H/POZ-1.44 & H-1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

PACKERS

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

RECEIVED
Office Of Oil and Gas

NOV 6 2025

WV Department of
Environmental Protection

WW-6B
(10/14)

RECEIVED
Office Of Oil and Gas

NOV 6 2025

WV Department of
Environmental Protection

API NO. 47-095 - 02947

OPERATOR WELL NO. Burke Unit 2H MOD

Well Pad Name: Shinn Pad

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.

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 2H

47-095-00793

RECEIVED
Office Of Oil and Gas
NOV 6 2025
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 2H BHL-MOD AOR



Scale: 1 inch = 1500 feet

11/28/2025

UWI (APINum)	Well Name	Well Number	Operator	Historical Operator	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not perf'd
4709500793	HEINTZMAN RAYMOND B	1	PIN OAK OPERATING LLC	CARTER JONES LUMBER	3,407	2641 - 3256	Fifth, Warren First	Berea, Weir, Alexander

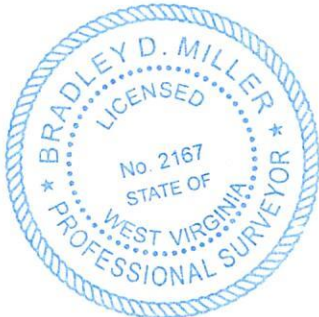
RECEIVED
 Office Of Oil and Gas
 NOV 6 2025
 WV Department of
 Environmental Protection

RECEIVED
 Office Of Oil and Gas
 NOV 6 2025
 WV Department of
 Environmental Protection

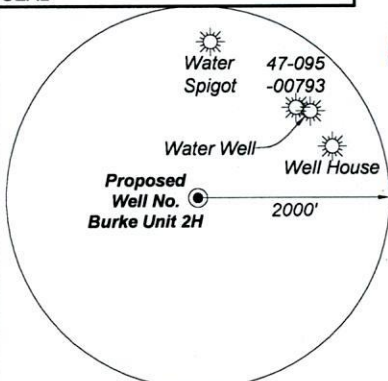
Page 1 of 3



Bradley D. Miller, P.S. 2167



SEAI



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 2H 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 2H

API WELL NO

47 - 095 - 02947
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

DISTRICT: Lincoln

SURFACE OWNER: Antero Resources Corp

QUADRANGLE: Paden City

COUNTY: Tyler

ACREAGE: 52.51 11/28/2025

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 _____ 6,300' TVD

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,700' MD

WELL OPERATOR: Antero Resources Corporation

DESIGNATED AGENT: Conrad Baston

ADDRESS: 1615 Wynkoop Street
Denver, CO 80202


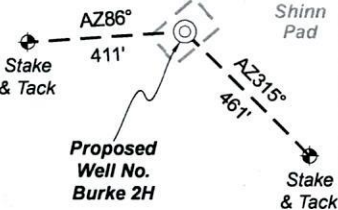
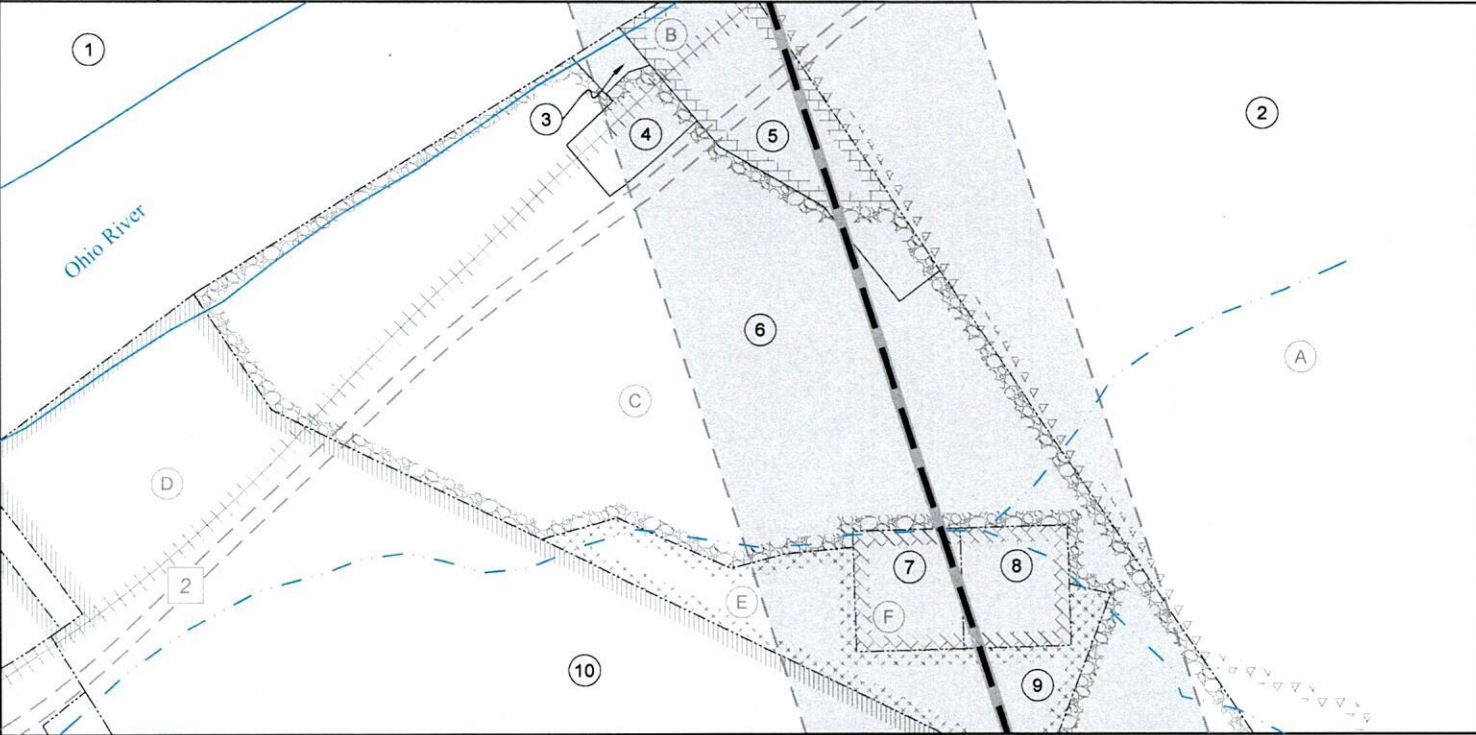
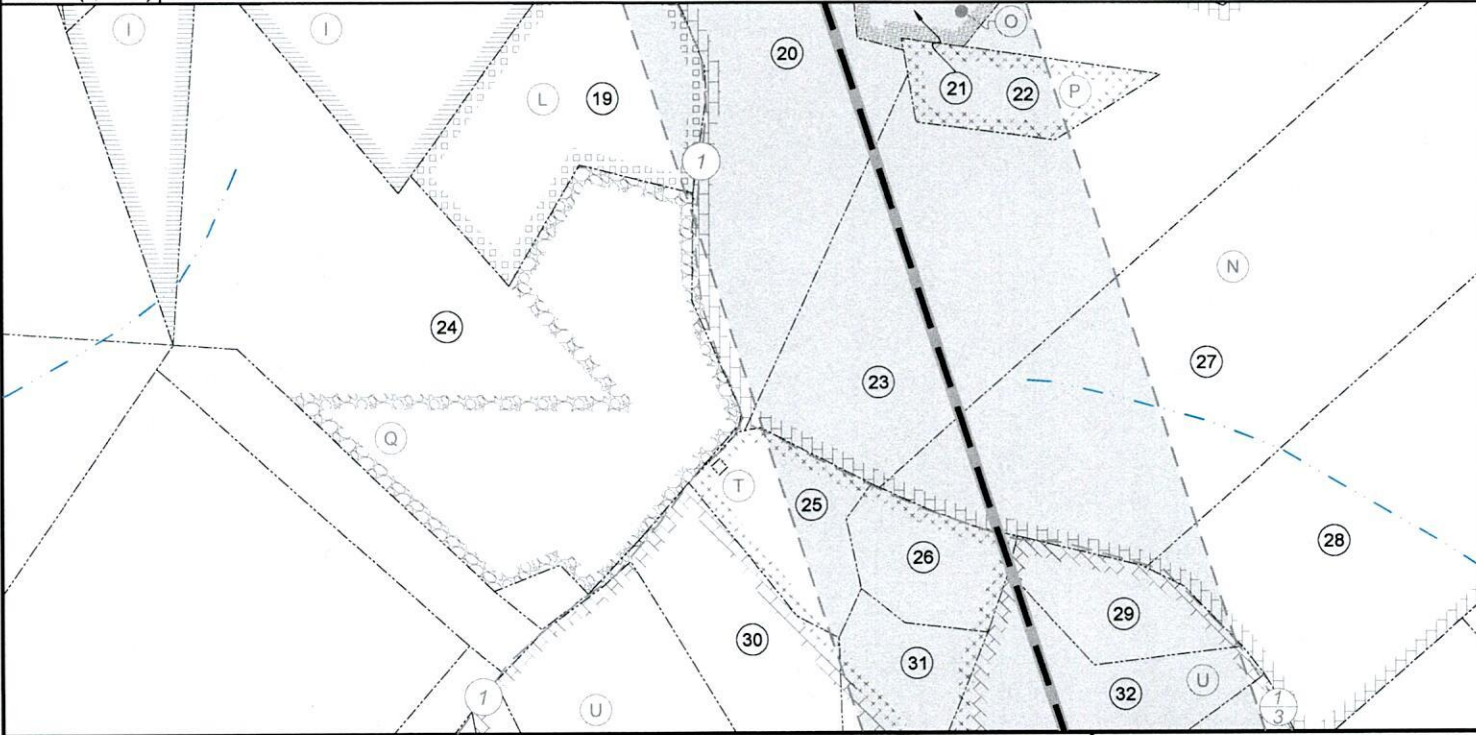
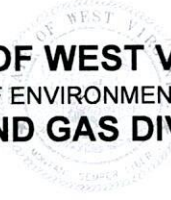
ADDRESS: 535 White Oaks Blvd.
Bridgeport, WV 26330

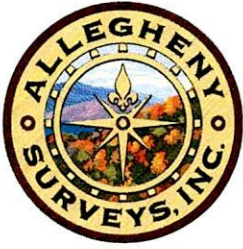
Tag	Bearing	Dist.
L1	N 12°08' W	620.0'
L2	N 31°29' W	3,247.1'
L3	S 33°47' E	1,474.5'
L4	N 71°12' E	3,156.0'
L5	N 58°38' E	1,009.3'

TOP
BTM
ole-

10,726' to Top Hole-

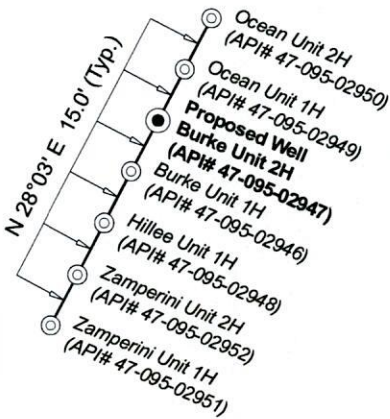
13,061' to Bottom Hole

Antero Resources Well No. Burke 2H BHL-MOD Antero Resources Corporation				Well Location References 	
Page 2 of 3					
Detail 2 (1"=500')					
					
Detail 1 (1"=500')					
					
FILE NO: 162-54-L-23 DRAWING NO: Burke Unit 2H 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 2H API WELL NO 47 - 095 - 02947 STATE COUNTY PERMIT	
WELL TYPE: <input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL (IF GAS) PRODUCTION: <input type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input checked="" type="checkbox"/> 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 11/28/2025					
ROYALTY OWNER: Raymond B. Heintzman & Eva J. Heintzman LEASE NO: ACREAGE: 52.51 PROPOSED WORK: <input type="checkbox"/> DRILL <input type="checkbox"/> CONVERT <input checked="" type="checkbox"/> DRILL DEEPER <input checked="" type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input checked="" type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL-MOD 6,700' TVD <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,700' 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					



ID	Lease
A	Golden Eagle Resources II, LLC
B	ATX Mineral Holdings, LLC
C	Betty Jean Reed
D	David E. Bowyer
E	Everett Max Rine
F	Cato Energy, LLC
G	BRC Appalachian Minerals I, LLC
H	Greenbrier Royalty Fund II, LLC
I	William J. Patterson, et al
K	William J. Patterson, et al
L	Master Mineral Holdings II, LP
N	Michael D. Eddy
O	Joshua D. Beaty & Michelle E. Beaty
P	Michael D. Eddy
Q	Francis R. Gaiser
T	James Earl Cooper
U	AMP Fund II, LP
W	BRC Appalachian Minerals I, LLC
X	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	Bounty Minerals, LLC
AE	Bounty Minerals, LLC

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 2H Top Hole coordinates are
N: 387,140.31' Latitude: 39°33'13.99"
E: 1,591,608.11' Longitude: 80°56'54.32"
Bottom Hole coordinates are
N: 400,032.11' Latitude: 39°35'20.91"
E: 1,588,576.70' Longitude: 80°57'35.69"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,378,254.734m N: 4,382,166.867m
E: 504,445.883m E: 503,456.871m
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 2H
UTM Zone 17, NAD 1927
Top Hole Coordinates
N: 14,363,610.14'
E: 1,654,954.86'
Point of Entry Coordinates
N: 14,364,149.61'
E: 1,655,807.53'
Bottom Hole Coordinates
N: 14,376,445.15'
E: 1,651,709.74'

Tyler County				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	1 / 1	United States of America	288 / 119	111.00
2	1 / 4	Haessly Hardwood Lumber Co.	290 / 457	166.20
3	1 / 26.1	Larry R. & Kim M. Henthorn	605 / 407	0.37
4	1 / 26	Betty J. Reed	W39 / 498	1.36
5	1 / 5	David & Randi Glendening	625 / 84	4.07
6	4 / 53	Ronald A. & Betty J. Reed	214 / 417	51.77
7	4 / 54	Carl & Berta Wise	154 / 297	2.00
8	4 / 55	Carl & Berta Wise	159 / 481	2.00
9	4 / 53.2	Danny Stewart & Everett M. Rine	323 / 674	7.90
10	4 / 52	Ronald A. & Betty J. Reed	W39 / 384	35.20
11	4 / 38	Dorothy L. Stewart	562 / 573	59.52
12	4 / 58	Patrick & Shirley Lancaster	270 / 272	108.48
13	4 / 37	Dorothy Stewart	563 / 318	64.56
14	4 / 34	Dorothy L. Stewart (LE)	562 / 573	64.56
15	4 / 32	William J. Cooper	315 / 593	2.00
16	4 / 31	William J. Cooper	203 / 256	3.00
17	4 / 85	Patrick & Shirley A. Lancaster	212 / 376	86.22
18	4 / 33	Joyce A. Owen	W86 / 407	42.00
19	4 / 29	Michael D. Eddy	OR 210 / 344	9.60
20	4 / 28	Janice M. & Michael D. Eddy	OR 188 / 546	15.40
21	4 / 28.1	Joshua D. & Michelle E. Beaty	535 / 346	2.12
22	4 / 86.1	Mike Eddy	344 / 226	2.51
23	4 / 86	Janice M. & Michael D. Eddy	OR 188 / 546	29.12
24	4 / 27	Frances R. Gaiser	W23 / 29	31.50
25	4 / 100	David & Patricia Willey	OR 350 / 627	3.29
26	4 / 101	Jessie L. & Angela S. Sandy	376 / 648	2.61
27	4 / 87	Janice M. & Michael D. Eddy	OR 188 / 546	30.23
28	4 / 88	Janice M. & Michael D. Eddy	OR 188 / 546	30.10
29	4 / 89	Joyce A. Bassett	333 / 511	2.57
30	4 / 105	Danny G. & Susan M. Gilbert	402 / 202	5.79
31	4 / 106	Frank Brogden, et al	593 / 315	14.68
32	4 / 107	Bruce M. Edmonds	349 / 334	11.61
33	4 / 99	Frank W. & Sherry L. Brogden	332 / 105	4.51
34	8 / 11.2	Frank & Sherry Brogden	367 / 657	14.82
35	8 / 11	Robert T. Stevenson	357 / 190	27.05
36	8 / 12	Grayce Louise Buck	144 / 482	86.89
37	8 / 11.1	Camille Mace	418 / 768	7.18
38	8 / 10.2	Curtis & Sarah Tallman	418 / 774	20.04
39	8 / 10	Camille Mace	418 / 768	32.47
40	8 / 21	Clay W. & Delphine E. Shinn	OR 61 / 786	35.51
41	8 / 21.1	Justine P. & Stephanie W. Richards	411 / 189	11.24
42	8 / 21.3	Adam M. Wayne, et al	OR 236 / 556	0.79
43	8 / 21.4	Jodie E. Michael	373 / 544	1.78
44	8 / 22	David E. & Ila G. Kyle	270 / 206	24.63
45	8 / 41	David E. & Ila G. Kyle	272 / 189	118.10
46	8 / 39	Antero Midstream, LLC	OR 218 / 520	70.65
47	8 / 19	Olive Branch Animal Rescue & Refuge, Inc.	OR 312 / 564	173.48
48	8 / 21.2	Antero Resources Corp.	OR 296 / 494	52.51

FILE NO: 162-54-L-23

DRAWING NO: Burke Unit 2H 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 2H

API WELL NO

47 - 095 - 02947
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 11/28/2025

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: 21,700' MD

WELL OPERATOR: Antero Resources Corporation

DESIGNATED AGENT: Conrad Baston

ADDRESS: 1615 Wynkoop Street
Denver, CO 80202

ADDRESS: 535 White Oaks Blvd.
Bridgeport, WV 26330

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>A: Golden Eagle Resources II, LLC Lease</u>				
	Golden Eagle Resources II, LLC	Antero Resources Corporation	1/8+	325/383

RECEIVED
Office Of Oil and Gas

NOV 6 2025

WV Department of
Environmental Protection

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

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>Y: Raymond B. Heintzman & Eva J. Heintzman Lease</u>			
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
<u>U: AMP Fund II, LP Lease</u>			
AMP Fund II, LP	Antero Resources Corporation	1/8+	321/706
<u>T: James Earl Cooper Lease</u>			
James Earl Cooper	Antero Resources Corporation	1/8+	347/167
<u>N: Michael D. Eddy Lease</u>			
Michael D. Eddy	SEP Appalachia, LLC	1/8+	320/130
SEP Appalachia, LLC	Antero Resources Corporation	Agreement	375/50
<u>K: William J. Patterson, et al Lease</u>			
William J. Patterson, et al	Antero Resources Corporation	1/8+	200/60
<u>I: William J. Patterson, et al Lease</u>			
William J. Patterson, et al	Antero Resources Corporation	1/8+	200/60
<u>H: Greenbrier Royalty Fund II, LLC Lease</u>			
Greenbrier Royalty Fund II, LLC	Antero Resources Corporation	1/8+	296/90
<u>G: BRC Appalachian Minerals I, LLC Lease</u>			
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
<u>D: David E. Bowyer Lease</u>			
David E. Bowyer	Antero Resources Corporation	1/8+	622/327
<u>E: Everett Max Rine Lease</u>			
Everett Max Rine	Antero Resources Corporation	1/8+	154/667
<u>F: Cato Energy, LLC Lease</u>			
Cato Energy, LLC	Antero Resources Corporation	1/8+	375/103
<u>C: Betty Jean Reed Lease</u>			
Betty Jean Reed	Antero Resources Corporation	1/8+	571/762
<u>B: ATX Mineral Holdings, LLC Lease</u>			
ATX Mineral Holdings LLC	Antero Resources Corporation	1/8+	382/434

11/28/2025

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
-----------------------	-----------------------	---------	-----------

*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

RECEIVED
Office Of Oil and Gas
NOV 3 2025
WV Department of
Environmental Protection

RECEIVED
Office Of Oil and Gas
NOV 6 2025
WV Department of
Environmental Protection

11/28/2025



November 5th, 2025

West Virginia Department of Environmental Protection
Office of Oil and Gas
Attn: Mr. Taylor Brewer
601 57th Street
Charleston, WV 25304

Antero Resources
1615 Wynkoop Street
Denver, CO 80202
Office 303.357.7310
Fax 303.357.7315

Mr. Brewer:

Antero Resources Corporation (Antero) would like to submit the following permit modification for an approved well on the Shinn Pad. We are requesting to extend the horizontal lateral length which will change the bottom hole location of the Burke Unit 2H well.

Attached you will find the following documents:

- REVISED Form WW-6B, which shows the revised MD and Production Casing/Cement program
- REVISED Form WW-6A1, which shows the leases we will be drilling into
- REVISED Mylar Plat, which shows the new bottom hole location

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

Thank you in advance for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "CW", is written over the typed name.

Carly Wren
Permitting Agent
Antero Resources Corporation

RECEIVED
Office Of Oil and Gas
NOV 6 2025
WV Department of
Environmental Protection

4045712
9/30/25
\$ 7,500.00

Enclosures

11/28/2025

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
<u>Y: Raymond B. Heintzman & Eva J. Heintzman Lease</u>			
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
<u>U: AMP Fund II, LP Lease</u>			
AMP Fund II, LP	Antero Resources Corporation	1/8+	321/706
<u>T: James Earl Cooper Lease</u>			
James Earl Cooper	Antero Resources Corporation	1/8+	347/167
<u>N: Michael D. Eddy Lease</u>			
Michael D. Eddy	SEP Appalachia, LLC	1/8+	320/130
SEP Appalachia, LLC	Antero Resources Corporation	Agreement	375/50
<u>K: William J. Patterson, et al Lease</u>			
William J. Patterson, et al	Antero Resources Corporation	1/8+	200/60
<u>I: William J. Patterson, et al Lease</u>			
William J. Patterson, et al	Antero Resources Corporation	1/8+	200/60
<u>H: Greenbrier Royalty Fund II, LLC Lease</u>			
Greenbrier Royalty Fund II, LLC	Antero Resources Corporation	1/8+	296/90
<u>G: BRC Appalachian Minerals I, LLC Lease</u>			
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
<u>D: David E. Bowyer Lease</u>			
David E. Bowyer	Antero Resources Corporation	1/8+	622/327
<u>E: Everett Max Rine Lease</u>			
Everett Max Rine	Antero Resources Corporation	1/8+	154/667
<u>F: Cato Energy, LLC Lease</u>			
Cato Energy, LLC	Antero Resources Corporation	1/8+	375/103
<u>C: Betty Jean Reed Lease</u>			
Betty Jean Reed	Antero Resources Corporation	1/8+	571/762
<u>B: ATX Mineral Holdings, LLC Lease</u>			
ATX Mineral Holdings LLC	Antero Resources Corporation	1/8+	332/434

11/28/2025