



west virginia department of environmental protection

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

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

Monday, June 15, 2026
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for GUM 1217 N-2H
47-041-05780-00-00

Lateral Extension

ANTERO RESOURCES CORPORATION

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

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

A handwritten signature in black ink, appearing to read "H. Jason Harmon".

H. Jason Harmon
Chief

Operator's Well Number: GUM 1217 N-2H
Farm Name: GARNETT A. GUM TRUST
U.S. WELL NUMBER: 47-041-05780-00-00
Horizontal 6A New Drill
Date Modification Issued: 06/15/2026

Promoting a healthy environment.

06/19/2026

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

1) Well Operator: <u>Antero Resources Corporat</u>	494507062	041 - Lewis	Freeman	Camden 7.5'
	Operator ID	County	District	Quadrangle

2) Operator's Well Number: Gum 1217 N-2H MOD Well Pad Name: Gum 1217 Pad

3) Farm Name/Surface Owner: Garnett A. Gum Trust Public Road Access: CR 10 @ SR 16

4) Elevation, current ground: 1162' Elevation, proposed post-construction: _____

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: 7400' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2800#

8) Proposed Total Vertical Depth: 7400' TVD

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 33900' MD

11) Proposed Horizontal Leg Length: 22320'

12) Approximate Fresh Water Strata Depths: 900'

13) Method to Determine Fresh Water Depths: From West Virginia Water Resources Management Plan

14) Approximate Saltwater Depths: 1206'

15) Approximate Coal Seam Depths: 181', 1084'

16) Approximate Depth to Possible Void (coal mine, karst, other): Yes

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: _____

CK #4051798
\$7500

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	30"	New	LS	157.5#	125'	125'	CTS, 120 Cu. Ft.
Fresh Water	20"	New	J-55	94#	1150'	1150'	CTS, 1198 Cu. Ft.
Coal	13-3/8"	New	J-55	68#	2285'	2285'	CTS, 930 Cu. Ft.
Intermediate	9-5/8"	New	L-80 BTC	40#	4800'	4800'	CTS, 1954 Cu. Ft.
Production	5-1/2"	New	P-110	23#	33900'	33900'	7614 Cu. Ft
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

Kenneth Greynolds
Digitally signed by: Kenneth Greynolds
DN: CN = Kenneth Greynolds email = Kenneth.L.
Greynolds@ww.gov C = AD O = WVDEP OU = Oil
and Gas
Date: 2026.06.12 13:19:47 -0400

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	30"	38"	0.375"	1500	50	Class A/L	~1.18
Fresh Water	20"	26"	0.438"	2110	1000	Class A/L	~1.18
Coal	13-3/8"	17-1/2"	0.480"	3450	1500	Class A/L	~1.13
Intermediate	9-5/8"	12-1/4"	0.395"	5750	2000	Class A/L	~1.29
Production	5-1/2"	8-1/2"	0.415"	16510	3000	Class G	~1.26
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

PACKERS

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

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

Drill, perforate, fracture a new vertical 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): 35.23 acres

22) Area to be disturbed for well pad only, less access road (acres): 9.44 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.



June 9, 2026

West Virginia Office of Oil and Gas
Attn: Taylor Brewer
601 57th St SE
Charleston, WV 25304

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

RE: Request for Variance – Class L Cement
Gum 1217 N-1H – 4H and Gum 1217 S-5H – 7H
Lewis County, WV

Mr. Brewer:

Pursuant to 35CSR8 Section 9.2.h.8, Antero Resources Corporation ("Antero") would like to implement the variance to allow Class L Cement in place of Class A cement relating to the construction of the following horizontal wells (Gum 1217 N-1H – 4H and Gum 1217 S-5H – 7H) on the Gum 1217 pad.

Antero only plans to use this method if Class A cement is not available to be use due to supply issues. Please see Order No 2022-14 attached.

If you have any questions or need further information, please feel free to contact Mallory Turco, Permitting Manager, at (303) 357-7182 or email at mturco@anteroresources.com.

Sincerely,

A handwritten signature in black ink, appearing to read "S Gaspar", written over a light blue horizontal line.

Stefan Gaspar
Permitting Agent
Antero Resources Corporation

06/19/2026



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
Phone (304) 926-0450

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

**BEFORE THE OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OF WEST VIRGINIA**

IN THE MATTER OF A VARIANCE FROM	)	
LEGISLATIVE RULE 35CSR4	)	ORDER NO. 2022-14
SECTION 11.5 AND LEGISLATIVE RULE	)	
35CSR8 SECTION 9.2.h.8.,	)	
RELATING TO THE CEMENTING	)	
OF OIL AND GAS WELLS	)	

REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well construction.

FINDINGS OF FACT

1. On July 14, 2022, Northeast Natural Energy (NNE) submitted a variance request from Legislative Rule 35CSR8 Section 9.2.h.8., for the use of API Class L cement in place of API Class A cement, relating to the construction of horizontal wells.
2. Laboratory analysis submitted by NNE on July 14, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR4 Section 11.5., for the use of API Class L cement in place of API Class A cement, relating to the construction of vertical wells.

4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well construction subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OF THE STATE OF WEST VIRGINIA



James Martin, Chief
Office of Oil and Gas

06/19/2026

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

RECEIVED
Office of Oil and Gas

JUN 02 2026

WV Department of
Environmental Protection

47-041-70561

47-041-30824

500'
Buffer

47-041-02599

Gum 1217 N-2H

47-041-00177

47-041-05043

47-041-00179

47-041-00928

47-041-01955

47-041-01125

47-041-01127

47-041-30260

47-041-30377

47-041-70921

47-041-03263

47-041-30118

47-041-70299

47-041-30038

47-041-30662

47-041-70920

47-041-70062

47-041-30824

47-041-01858



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

172 Thompson Drive
Bridgeport, WV 26330

PARTY CHIEF: J. Titus

DRAWN BY: D. Rader

RESEARCH: J. Miller

PREPARED: May 18, 2026

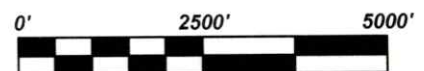
SURVEYED: May-July 2021

PROJECT NO: 98-12-FC-26

FIELD CREW: J.T., K.M.

Sheet 1 of 1

DRAWING NO: Gum 1217 N-2H AOR



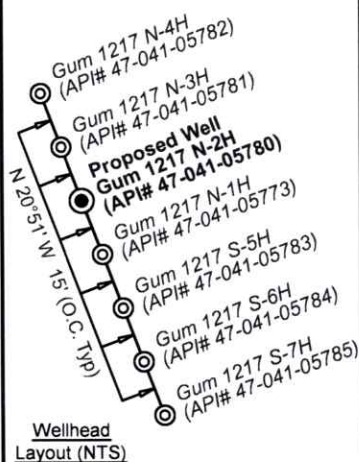
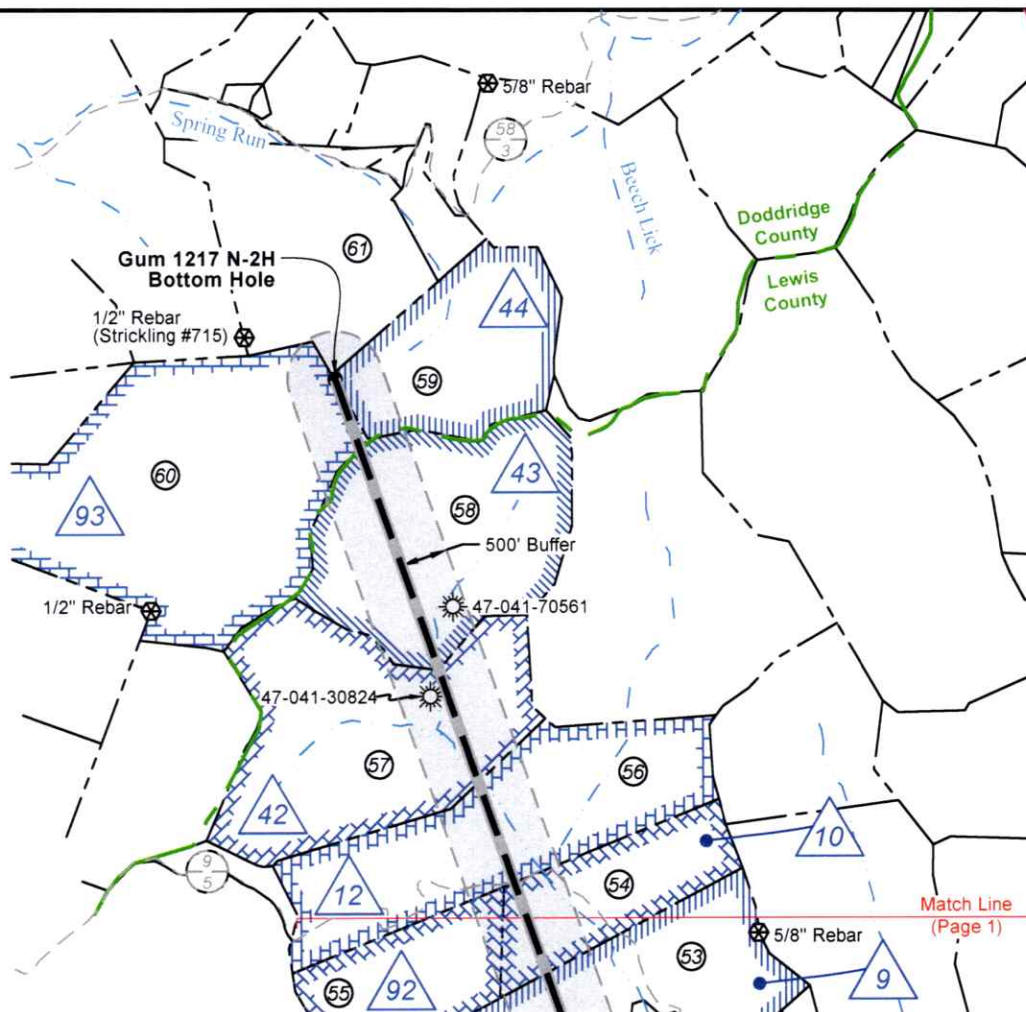
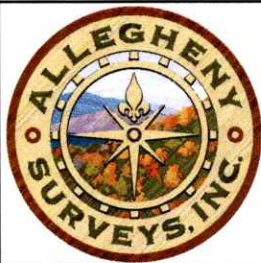
Scale: 1 inch = 2500 feet

06/19/2026

UWI (APINum)	Well Name	Well Number	Operator	Historical Operator	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not perf'd
4704170920	JOSEPH GUM	C-742	HOPE NATURAL GAS	HOPE NATURAL GAS				
4704170062	JOSEPH GUM/ C W GUM	3476	HOPE NATURAL GAS	HOPE NATURAL GAS				
4704130824	IRA P SIMMONS	11230	CONSOL GAS SUPPLY CRP	CONSOL GAS SUPPLY CRP				
4704101858	IRA P SIMMONS	11444	CONSOL GAS SUPPLY CRP	CONSOL GAS SUPPLY CRP	4,732	4618 - 4624	Bayard, Speechley, Balltown, Benson	Weir, Alexander
4704130662	IRA SIMMONS	7	MASON REX	MASON REX	2,442			
4704130038	J M MCCLUSTER	343	HOPE CONSTR & REFG	HOPE CONSTR & REFG	2,651		Buffalo, Big Injun, Gordon, Fifth	Weir, Benson, Alexander
4704170299	J M MCCLUSTER	1874	HOPE NATURAL GAS	HOPE NATURAL GAS				
4704130118	A F GUM	1	SOUTH PENN OIL	SOUTH PENN OIL	2,468		Thirty-Foot, Gordon Stray, Gordon, Fifth	Weir, Benson, Alexander
4704103263	JOSEPH GUM	1	PNR PET IN	PIONEER PETR INC	2,468	2446 - 2450	Buffalo, Big Injun, Gordon Stray, Gordon, Fifth	Weir, Benson, Alexander
4704170921	W C ROMINE		UNKNOWN	UNKNOWN				
4704130377	IRA P SIMMONS	6	SOUTH PENN OIL	SOUTH PENN OIL	1,405		2nd salt sand, 3rd salt sand	Weir, Benson, Alexander
4704130260	M M ROMINE	1	SOUTH PENN OIL	SOUTH PENN OIL	2,548			
4704101127								
4704101125								
4704101955	JESSIE A CHEUVRONT	11749	CONSOL GAS SUPPLY CRP	CONSOL GAS SUPPLY CRP	4,800	4640 - 4659	Bayard, Balltown, Benson	Weir, Alexander
4704100928	J A CHEUVRONT	4794	HOPE NATURAL GAS	HOPE NATURAL GAS	2,639		Maxton, Big Injun, Gantz	Weir, Benson, Alexander
4704100179	A F GUM	9431	HOPE NATURAL GAS	HOPE NATURAL GAS	2,137			Weir, Benson, Alexander
4704105043	WALLS DONNA	14321	EASTERN GAS TRANSMISSION & STORAGE I	DOMINION EXPL&PROD	4,895	3462 - 4748	Balltown, Benson	Weir, Alexander
4704100177	PERRY C GUM	9430	HOPE NATURAL GAS	HOPE NATURAL GAS	2,493			
4704102599	EDWARD FOLEY (R A K	4726	HOPE NATURAL GAS	HOPE NATURAL GAS	2,950			
4704130824	IRA P SIMMONS	11230	CONSOL GAS SUPPLY CRP	CONSOL GAS SUPPLY CRP				
4704170561	FAHEY AND BEESON	1	UNKNOWN	UNKNOWN				

RECEIVED
 Office of Oil and Gas
 JUN 02 2026
 WV Department of
 Environmental Protection

ADDRESS: 535 White Oaks Blvd.
Bridgeport, WV 26330



Legend

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

Tag	Bearing	Dist.	Description
L1	S 21°23' W	1,474.3'	4x8x12 planted stone (chisel mark)
L2	N 67°47' W	1,287.1'	47-041-01748
L3	N 04°25' E	869.2'	47-041-04048
L4	S 31°20' E	722.7'	47-041-02294
L5	S 82°09' W	3,213.7'	Landing Point

Notes:
Well No. Gum 1217 N-2H
UTM Zone 17, NAD 1927
Top Hole Coordinates
N: 14,198,289.77'
E: 1,759,120.83'
Point of Entry Coordinates
N: 14,197,850.60'
E: 1,755,937.27'
Bottom Hole Coordinates
N: 14,218,904.37'
E: 1,748,561.22'

Notes
West Virginia Coordinate System
of 1927, South Zone
based upon Differential GPS Measurements.
Well No. Gum 1217 N-2H Top Hole coordinates are
N: 764,650.87' Latitude: 39°05'56.71"
E: 2,118,757.35' Longitude: 80°34'53.73"
Bottom Hole coordinates are
N: 785,275.62' Latitude: 39°09'21.00"
E: 2,108,194.87' Longitude: 80°37'06.62"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,327,865.727m N: 4,334,148.975m
E: 536,195.872m E: 532,977.181m
Plat orientation and corner and well references
are based upon the grid north meridian.
Well location references are based upon the magnetic
meridian.

FILE NO: 98-12-FC-26

DRAWING NO: Gum 1217 N-2H Well Plat

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:
Submeter

PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

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

DATE: May 21 20 26

OPERATOR'S WELL NO. Gum 1217 N-2H

API WELL NO

47 — 041 — 05780
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,162.0' WATERSHED: Leading Creek

DISTRICT: Freemans Creek

SURFACE OWNER: Garnett A. Gum Trust

ROYALTY OWNER: Joseph Gum, et al

LEASE NO: ACREAGE: 305.49

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

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 33,900' MD 7,400' TVD

WELL OPERATOR: Antero Resources Corporation

DESIGNATED AGENT: Conrad Baston

ADDRESS: 1615 Wynkoop Street

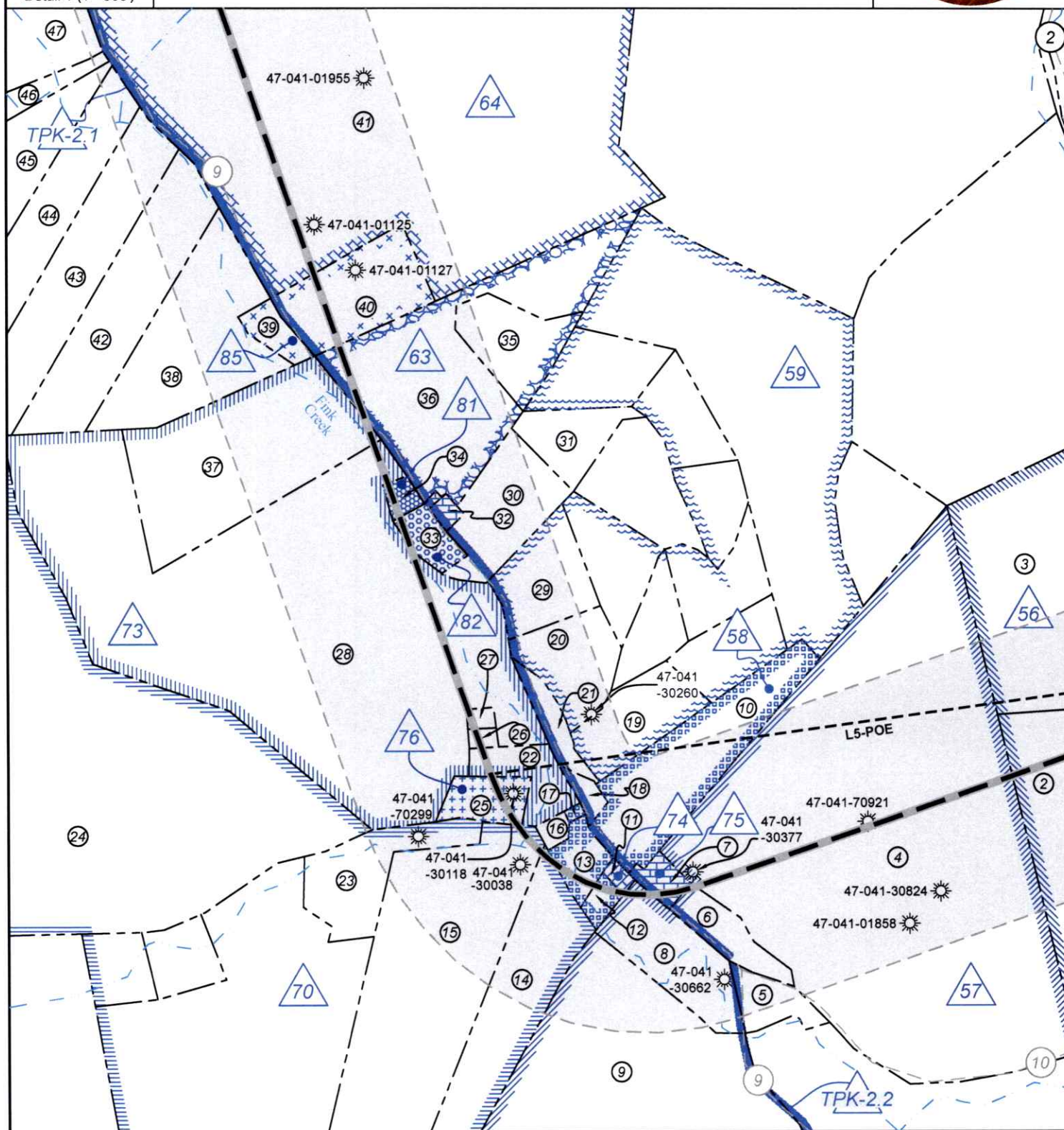
ADDRESS: 535 White Oaks Blvd.

Denver, CO 80202

Bridgeport, WV 26330



Detail 1 (1"=500')



FILE NO: 98-12-FC-26
DRAWING NO: Gum 1217 N-2H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

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

DATE: May 21 20 26
OPERATOR'S WELL NO. Gum 1217 N-2H
API WELL NO
47 - 041 - 05780
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,162.0' WATERSHED: Leading Creek
DISTRICT: Freemans Creek

QUADRANGLE: Camden
COUNTY: ~~LeWIS~~ **06/19/2026**
ACREAGE: 101.00

SURFACE OWNER: Garnett A. Gum Trust

ROYALTY OWNER: Joseph Gum, et al

LEASE NO: ACREAGE: 305.49

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WELL OPERATOR: Antero Resources Corporation
ADDRESS: 1615 Wynkoop Street
Denver, CO 80202

DESIGNATED AGENT: Conrad Baston
ADDRESS: 535 White Oaks Blvd.
Bridgeport, WV 26330



Lewis Co. (Freemans Creek Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	4D / 43	Garnett A. Gum Trust	W25 / 37	101.00
2	4D / 43.1	Jesse & Amber Shackelford	670 / 280	46.00
3	4D / 43.2	William L. & Martha S. Gum	385 / 534	12.00
4	4D / 41.2	William L. & Martha S. Gum	385 / 538	44.70
5	4D / 34	William L. & Martha S. Gum	355 / 91	1.10
6	4D / 41	William L. & Martha S. Gum	484 / 181	1.20
7	4D / 41.1	Churchville Baptist Church	562 / 122	0.54
8	4D / 25	William L. & Martha S. Gum	484 / 181	2.60
9	4D / 27	John A. Cole	W13 / 628	204.30
10	4D / 36	William L. & Martha S. Gum	371 / 506	5.25
11	4D / 65	Churchville Baptist Church	440 / 588	0.18
12	4D / 24	Thomas J. Maisey	F30 / 826	0.40
13	4D / 23	Garnet Gas Corp.	631 / 564	1.00
14	4D / 26.2	Sue E. & David M. Woofter, II	767 / 220	7.09
15	4D / 26	David & Korrene Woofter	444 / 324	14.37
16	4D / 22	Wilma M. Teague, et al	378 / 279	0.24
17	4D / 21	William L. & Martha S. Gum	371 / 505	0.07
18	4D / 37	Churchville United Methodist Church	xxx / xxx	0.34
19	4D / 39.5	William A. Hawkins	762 / 848	2.43
20	4D / 40.13	Thomas B. & Deana Lefever	776 / 506	2.47
21	4D / 38	Randell L. White	733 / 772	0.50
22	4D / 10	Sondra D. Hull	600 / 410	1.39
23	4D / 19	Brenda & Barton Foster	776 / 60	3.10
24	4D / 11	Judy B. Beemon, et al	W18 / 312	44.30
25	4D / 20	Janet F. Short (L/E)	699 / 43	1.00
26	4D / 10.3	Bessie J. White	W14 / 143	0.17
27	4D / 10.1	Bessie J. White	W14 / 143	0.17
28	4D / 10.2	Curtis M. Holden	W29 / 280	34.25
29	4D / 40.12	Thomas B. & Deana Lefever	776 / 506	2.48
30	4D / 39	Gregory A. Leiving & Samantha B. Adams	767 / 851	2.76
31	4D / 40.9	Ricky L. Gum	650 / 365	1.67
32	4D / 6	George W. Smith	457 / 215	0.21
33	4D / 7	Anna L. Rowan	763 / 6	0.78
34	4D / 8	Jo Ann Lewis	732 / 17	0.33
35	4D / 5	Ricky L. Gum	457 / 471	2.32
36	4D / 5.1	Anthony S. & Lisa D. Toms	608 / 498	9.46
37	4D / 9	Ernest & Robin Bailey	591 / 582	8.00
38	4D / 3.3	Nelson & Judith Kincaid	732 / 255	6.00
39	4D / 4	Cledith N. & Judith J. Barnes Kincaid	563 / 698	0.54
40	4D / 4.1	Ronal L. Bonnett	627 / 728	3.46
41	4C / 6	Anthony S. & Lisa D. Toms	608 / 498	52.92
42	4D / 3.2	Steve C. & Elizabeth A. Holden	771 / 766	6.00
43	4D / 3.1	Steve C. & Elizabeth A. Holden	771 / 766	6.00
44	4D / 3	Steve C. & Elizabeth A. Holden	771 / 766	6.00
45	4D / 2	Steve C. & Elizabeth A. Holden	771 / 766	10.40
46	4D / 1	Steve C. & Elizabeth A. Holden	771 / 766	42.80
47	4C / 4	Elizabeth Lang & Johnnie D. Brooks	569 / 648	66.50
48	4C / 10	Ricky Barnes, et al	598 / 747	294.98
49	4C / 3	Donna M. Walls	498 / 388	244.00
50	3C / 28	David L. & Kimberly A. Gum	621 / 445	72.21
51	4C / 1	Randell L. White, et al	547 / 421	237.00
52	4B / 4	Allen M. & Diane J. Jerden	571 / 507	262.09
53	3B / 23	Dominion Transmission, Inc.	591 / 761	122.38
54	3B / 22	John H. & Stephanie A. Smith	578 / 434	52.50
55	3B / 19	Joann Lewis	744 / 947	53.63
56	3B / 21	Joseph Fahey, et al	751 / 390	120.00
57	3B / 20	Peter C. McDonald	602 / 223	110.00
58	3A / 1	State of West Virginia, Bureau of Commerce, DNR	531 / 663	103.00
Doddridge Co. (New Milton Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
59	21 / 8	Herbert & Betty Bickford	363 / 488	77.57
60	25 / 2	Patrick D. Boyle	276 / 339	183.40
61	21 / 5	Eleanor R. Nicholson	156 / 390	95.72

ID	Lease
1	W.J. Woofter & Susan Woofter, his wife
2	A.F. Gum & M.L. Gum, his wife
4	Perry C. Gum & Dora Gum, his wife, et al
6	Edward Foley & Ellen A. Foley, his wife, et al
9	Joseph P. Fahey, attorney-in-fact for John J. Fahey, widower, et al
10	Tess C. Joyce, single, et al
12	T.J. Fahey & Mary E. Fahey, his wife
42	Anna Joyce, single, et al
43	Joseph P. Fahey, attorney-in-fact for Martin W. Fahey, widower, et al
44	David L. Nicholson, Jr.
56	Joseph Gum & Margaret Gum, his wife, et al
57	Ira P. Simmons & Adaline Simmons, his wife
58	W.C. Romine, et al
59	Oral C. Fuls, Committee for Jesse A. Chevront, an incompetent person
63	Oral C. Fuls, Committee for Jesse A. Chevront, an incompetent & M.A. Puffenbarger, unmarried
64	Oral C. Fuls, Committee for Jesse A. Chevront, an incompetent person
70	C.C. McCluster & Bessie McCluster, his wife, et al
73	Walter R. Simmons, Jr., single, et al
74	Baptist Church of Churchville, WV
75	Linda Mae Wyatt
76	Lewis Independent Coal Company
81	S.G. Romine & Georgia Romine, his wife, et al
82	Thomas J. Maisey
84	Homer Chevront & Nelle Chevront, his wife
85	A.W. Priest & Mable Priest, his wife, et al
86	Lemon Chevront
88	P.R. Woofter & Mary A. Woofter, his wife
89	Patrick F. Lydon, widower
92	Dominion Energy Transmission, Inc.
93	Ellen Call, et al
TPK-2.1	WVDOH
TPK-2.2	WVDOH

FILE NO: 98-12-FC-26 DRAWING NO: Gum 1217 N-2H Well Plat SCALE: 1" = 2000' MINIMUM DEGREE OF ACCURACY: Submeter PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV	STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION	DATE: May 21 20 26 OPERATOR'S WELL NO. Gum 1217 N-2H API WELL NO 47 — 041 — 05780 STATE COUNTY PERMIT
WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL (IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW		
LOCATION: ELEVATION: 1,162.0' WATERSHED: Leading Creek DISTRICT: Freemans Creek SURFACE OWNER: Garnett A. Gum Trust ROYALTY OWNER: Joseph Gum, et al LEASE NO: ACREAGE: 305.49		QUADRANGLE: Camden COUNTY: Lewis ACREAGE: 101.00
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☒ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL-MOD 7,400' TVD ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 33,900' MD		
WELL OPERATOR: Antero Resources Corporation ADDRESS: 1615 Wynkoop Street Denver, CO 80202		DESIGNATED AGENT: Conrad Baston ADDRESS: 535 White Oaks Blvd. Bridgeport, WV 26330

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
56: Joseph Gum & Margaret Gum, his wife, et al			
Lease			
Joseph Gum & Margaret Gum, his wife, et al	Hope Natural Gas Company	1/8	0068/0209
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Merger	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission, Inc.	Merger	0009/0628
Dominion Transmission, Inc.	CNX Gas Company, LLC	Agreement	0672/0154
CNX Gas Company, LLC	Noble Energy, Inc	Assignment	0717/0001
Noble Energy, Inc	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
57: Ira P. Simmons & Adaline Simmons, his wife			
Lease			
Ira P. Simmons & Adaline Simmons, his wife	South Penn Oil Company	1/8	0044/0242
South Penn Oil Company	Hope Natural Gas Company	Assignment	0085/0127
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Merger	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission, Inc.	Merger	0009/0628
Dominion Transmission, Inc.	CNX Gas Company, LLC	Agreement	0672/0154
CNX Gas Company, LLC	Noble Energy, Inc	Assignment	0717/0001
Noble Energy, Inc	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
75: Linda Mae Wyatt Lease			
Linda Mae Wyatt	HG Energy II Appalachia, LLC	1/8	0824/0546
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
2.2: WVD OH Lease			
WVD OH	HG Energy II Appalachia, LLC	1/8	Pooled Tract
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
57: Ira P. Simmons & Adaline Simmons, his wife			
Lease			
Ira P. Simmons & Adaline Simmons, his wife	South Penn Oil Company	1/8	0044/0242
South Penn Oil Company	Hope Natural Gas Company	Assignment	0085/0127
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Merger	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission, Inc.	Merger	0009/0628
Dominion Transmission, Inc.	CNX Gas Company, LLC	Agreement	0672/0154
CNX Gas Company, LLC	Noble Energy, Inc	Assignment	0717/0001
Noble Energy, Inc	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
/74: Baptist Church of Churchville, WV Lease			
Baptist Church of Churchville, WV	Hope Natural Gas Company	1/8	0192/0298
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Merger	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission, Inc.	Merger	0009/0628
Dominion Transmission, Inc.	CNX Gas Company, LLC	Agreement	0672/0154
CNX Gas Company, LLC	Noble Energy, Inc	Assignment	0717/0001
Noble Energy, Inc	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
/58: W.C. Romine, et al Lease			
W.C. Romine, et al	Hope Natural Gas Company	1/8	0171/0316
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Merger	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission, Inc.	Merger	0009/0628
Dominion Transmission, Inc.	CNX Gas Company, LLC	Agreement	0672/0154
CNX Gas Company, LLC	Noble Energy, Inc	Assignment	0717/0001
Noble Energy, Inc	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
/70: C.C. McCluster & Bessie McCluster, his wife, et al Lease			
C.C. McCluster & Bessie McCluster, his wife, et al	Hope Natural Gas Company	1/8	0204/0060
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0058/0362
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0672/0154
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0717/0001
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
/76: Lewis Independent Coal Company Lease			
Lewis Independent Coal Company	Hope Natural Gas Company	1/8	0233/0445
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0009/0628
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0672/0154
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0684/0057
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
/73: Walter R. Simmons, Jr., single, et al Lease			
Walter R. Simmons, Jr., single, et al	Hope Natural Gas Company	1/8	0190/0197
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0009/0628
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0672/0154
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0717/0001
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
/82: Thomas J. Maisey Lease			
Thomas J. Maisey	HG Energy II Appalachia, LLC	1/8	0821/0743
/81: S.G. Romine & Georgia Romine, his wife, et al Lease			
S.G. Romine & Georgia Romine, his wife, et al	Hope Natural Gas Company	1/8	0230/0065
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0009/0628
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0672/0154
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0684/0057
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
/73: Walter R. Simmons, Jr., single, et al Lease			
Walter R. Simmons, Jr., single, et al	Hope Natural Gas Company	1/8	0190/0197
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0009/0628
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0672/0154
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0717/0001
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
/2.1: WVDOH Lease			
WVDOH	HG Energy II Appalachia, LLC	1/8	Pooled Tract
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
63: Oral C. Fuls, Committee for Jesse A. Cheuvront, an incompetent & M.A. Puffenbarger, unmarried Lease			
Oral C. Fuls, Committee for Jesse A. Cheuvront, an incompetent & M.A. Puffenbarger, unmarried	Hope Natural Gas Company	1/8	0170/0031
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0058/0362
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0672/0154
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0684/0057
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
85: A.W. Priest & Mable Priest, his wife, et al Lease			
A.W. Priest & Mable Priest, his wife, et al	Hope Natural Gas Company	1/8	0153/0086
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0009/0628
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0672/0154
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0684/0057
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
64: Oral C. Fuls, Committee for Jesse A. Cheuvront, an incompetent person Lease			
Oral C. Fuls, Committee for Jesse A. Cheuvront, an incompetent person	Hope Natural Gas Company	1/8	0170/0034
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0058/0362
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0672/0154
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0684/0057
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
2: A.F. Gum & M.L. Gum, his wife Lease			
A.F. Gum & M.L. Gum, his wife	South Penn Oil Company	1/8	0033/0215
South Penn Oil Company	Hope Natural Gas Company	Assignment	0085/0127
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0009/0628
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0672/0154
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0684/0057
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
88: P.R. Woofter & Mary A. Woofter, his wife			
<u>Lease</u>			
P.R. Woofter & Mary A. Woofter, his wife	T.B. Smith, et al	1/8	0065/0560
T.B. Smith, et al	Churchville Oil & Gas Company	Assignment	0091/0230
Churchville Oil & Gas Company	Hope Natural Gas Company	Assignment	0091/0231
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0009/0628
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0672/0154
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0684/0057
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
4: Perry C. Gum & Dora Gum, his wife, et al			
<u>Lease</u>			
Perry C. Gum & Dora Gum, his wife, et al	Hope Natural Gas Company	1/8	0074/0515
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0009/0628
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0672/0154
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0684/0057
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
6: Edward Foley & Ellen A. Foley, his wife, et al			
<u>Lease</u>			
Edward Foley & Ellen A. Foley, his wife, et al	Hope Natural Gas Company	1/8	0144/0214
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0009/0628
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0672/0154
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0684/0057
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
9: Joseph P. Fahey, attorney-in-fact for John J. Fahey, widower, et al Lease			
<u>Lease</u>			
Joseph P. Fahey, attorney-in-fact for John J. Fahey, widower, et al	Hope Natural Gas Company	1/8	0153/0163
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
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Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
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Tess C. Joyce, single, et al	Hope Natural Gas Company	1/8	0153/0057
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0058/0362
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0672/0154
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0684/0057
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
12: T.J. Fahey & Mary E. Fahey, his wife Lease			
T.J. Fahey & Mary E. Fahey, his wife	Hope Natural Gas Company	1/8	0153/0097
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0009/0628
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0672/0154
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0684/0057
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resource Corporation	Name Change	0002/0197
42: Anna Joyce, single, et al Lease			
Anna Joyce, single, et al	Hope Natural Gas Company	1/8	0194/0362
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0009/0628
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CNX Gas Company LLC	Noble Energy Inc.	Assignment	0684/0057
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197
43: Joseph P. Fahey, attorney-in-fact for Martin W. Fahey, widower, et al Lease			
Joseph P. Fahey, attorney-in-fact for Martin W. Fahey, widower, et al	Hope Natural Gas Company	1/8	0223/0141
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0294/0089
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0425/0127
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	0051/0795
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	0009/0628
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0672/0154
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0684/0057
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0722/0170
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197

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WV Department of Environmental Protection

06/19/2026

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
93: Ellen Call, et al Lease			
Ellen Call, et al	Hope Natural Gas Company	1/8	0034/0319
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0143/0345
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0135/0483
Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger	WVSOS
CNG Transmission Corporation	Dominion Transmission Inc.	Merger	WVSOS
Dominion Transmission Inc.	CNX Gas Company LLC	Assignment	0424/0234
CNX Gas Company LLC	Noble Energy Inc.	Assignment	0337/0212
Noble Energy Inc.	HG Energy II Appalachia, LLC	Assignment	0449/0234
HG Energy II Appalachia, LLC	Antero Resources Corporation	Name Change	0002/0197

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*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.

06/19/2026

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Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
44: David L. Nicholson, Jr. Lease	David L. Nicholson, Jr. HG Energy II Appalachia, LLC	HG Energy II Appalachia, LLC Antero Resources Corporation	1/8 Name Change	0536/0428 0002/0197

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**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

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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: Max Green

Its: Vice President of Land



May 29, 2026

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

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

Mr. Brewer:

Antero Resources Corporation (Antero) would like to submit the following permit modifications for approved well on the existing Gum 1217 Pad: Gum 1217 N-1H (47-041-05773), Gum 1217 N-2H (47-041-05780), Gum 1217 N-3H (47-041-05781), Gum 1217 N-4H (47-041-05782), Gum 1217 S-5H (47-041-05783), Gum 1217 S-6H (47-041-05784), and Gum 1217 S-7H (47-04105785) Expedited.

Attached you will find the following:

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

If you have any questions please feel free to contact me at (303) 357-6959.

Thank you in advance for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "S Gaspar", written in a cursive style.

Stefan Gaspar
Permitting Agent
Antero Resources Corporation

Enclosures

06/19/2026