



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

Thursday, November 13, 2025
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for Bream Unit 1H
47-033-06119-00-00

Lateral Extension w/ Forced Pooling

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.

H. Jason Harmon
Acting Chief

Operator's Well Number: Bream Unit 1H
Farm Name: Robert G & Christine E Flanigan etal
U.S. WELL NUMBER: 47-033-06119-00-00
Horizontal 6A New Drill
Date Modification Issued: 11/13/2025

Promoting a healthy environment.

11/14/2025

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

1) Well Operator: Antero Resources Corporat 494507062 033 - Harris Eagle Wolf Summit 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: Bream Unit 1H MOD Well Pad Name: Flanigan Pad

3) Farm Name/Surface Owner: Robert G. & Christine Flanigan, et al Public Road Access: Gregorys Run Road

4) Elevation, current ground: 1,161' Elevation, proposed post-construction: 1,154'

5) Well Type (a) Gas ☒ Oil ☐ Underground Storage ☐
Other ☐

(b) If Gas Shallow ☒ Deep ☐
Horizontal ☒

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus Shale: 7700' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2850#

8) Proposed Total Vertical Depth: 7700' TVD

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24000' MD

11) Proposed Horizontal Leg Length: 15058' *Open to modification at a later date

12) Approximate Fresh Water Strata Depths: 424'

13) Method to Determine Fresh Water Depths: From 47033009510000

14) Approximate Saltwater Depths: 1176'

15) Approximate Coal Seam Depths: N/A

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 ☒

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

CK# 4046418
7500
10/23/2025

Jeff A
Propst
Digitally signed by: Jeff A
Propst
DN: CN = Jeff A Propst
email = jeff.a.propst@wv.
gov C = US
Date: 2025.11.05 15:28:32 -
05'00'

11/14/2025
Page 1 of 3

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	100'	100' ✓	CTS, 96 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	474'	474' ✓	CTS, 494 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	3100'	3100' ✓	CTS, 1262 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P110-ICY	23#	24000'	24000' ✓	CTS, 5120 Cu. Ft.
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

Jeff A Propst

Digitally signed by: Jeff A Propst
DN: CN = Jeff A Propst email = jeff.a.propst@wv.gov C = US
Date: 2025.11.05 15:28:53 - 05'00'

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	24"	0.375"	2250	50	Class A/L	~1.18
Fresh Water	13-3/8"	17-1/2"	0.38"	2730	1000	Class A/L	~1.18
Coal	9-5/8"	12-1/4"	0.352"	3520	1500	Class A/L	~1.18
Intermediate							
Production	5-1/2"	8-3/4" & 8-1/2"	0.415"	14,360	2500	Class G/H	~1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

PACKERS

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

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

Drill a new horizontal shallow well into the Marcellus Shale.

*Antero will be air drilling the fresh water string which makes it difficult to determine when fresh water is encountered. Therefore, we have built in a buffer for the casing setting depth which helps to ensure that all fresh water zones are covered.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Antero plans to pump Slickwater into the Marcellus Shale formation in order to ready the well for production. The fluid will be comprised of approximately 99 percent water and sand, with less than 1 percent special-purpose additives as shown in the attached "List of Anticipated Additives Used for Fracturing or Stimulating Well."

Anticipated Max Pressure - 9300 lbs

Anticipated Max Rate - 80 bpm

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 12.63 acres

22) Area to be disturbed for well pad only, less access road (acres): 7.64 acres

23) Describe centralizer placement for each casing string:

Conductor: no centralizers

Surface Casing: one centralizer 10' above the float shoe, one on the insert float collar and one every 4th joint spaced up the hole to surface.

Intermediate Casing: one centralizer above float joint, one centralizer 5' above float collar and one every 4th collar to surface.

Production Casing: one centralizer at shoe joint and one every 3 joints to top of cement in intermediate casing.

24) Describe all cement additives associated with each cement type:

Conductor: no additives, Class A/L cement.

Surface: Class A/L cement with 2-3% calcium chloride and 1/4 lb of flake

Intermediate: Class A/L cement with 1/4 lb of flake, 5 gallons of clay treat

Production: Lead cement- 50/50 Class H/Poz + 1.5% salt + 1% C-45 + 0.5% C-16a + 0.2% C-12 + 0.45% C-20 + 0.05% C-51

Production: Tail cement- Class G/H + 45 PPS Calcium Carbonate + 1.0% FL-160 + 0.2% ACGB-47 + 0.05% ACSA-51 + 0.2% ACR-20

25) Proposed borehole conditioning procedures:

*Note: Attach additional sheets as needed.

Jeff A Propst

Digitally signed by: Jeff A Propst
DN: CN = Jeff A Propst email =
jeff.a.propst@wv.gov C = US
Date: 2025.11.05 15:29:04 -05'00'

11/14/2025

LEGEND

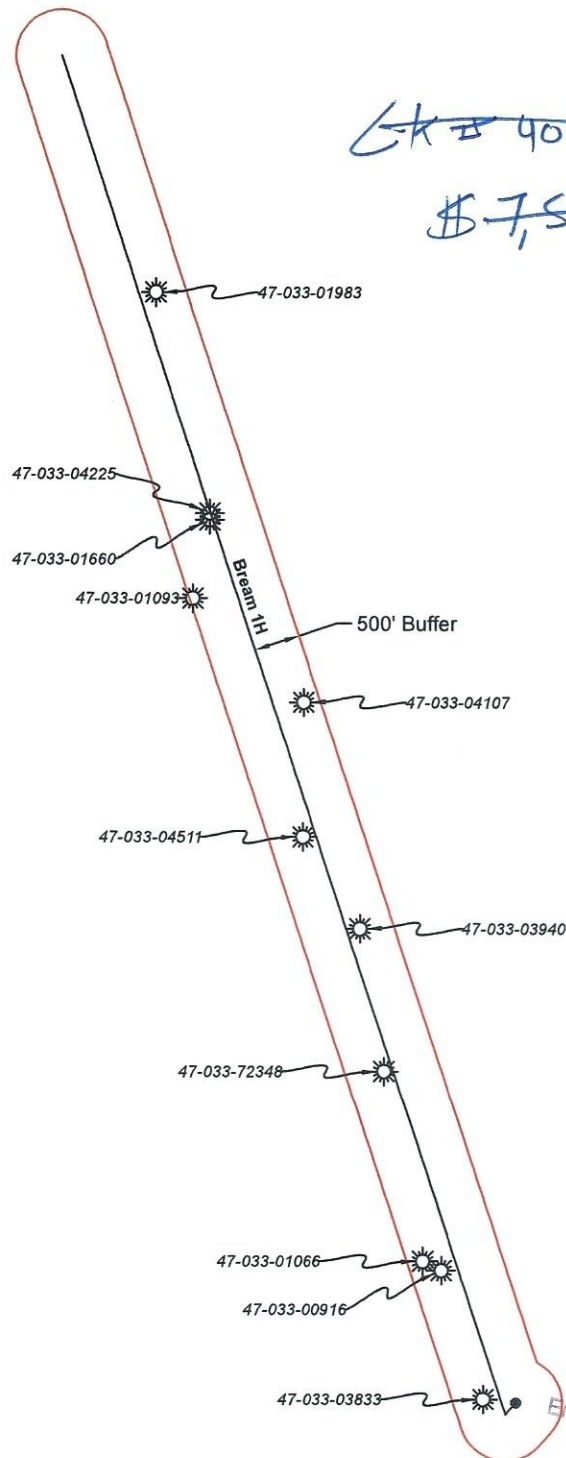
- ⊙ Proposed gas well
- ☀ Existing Well, as noted
- ☀ Digitized Well, as noted

CK # 4096418

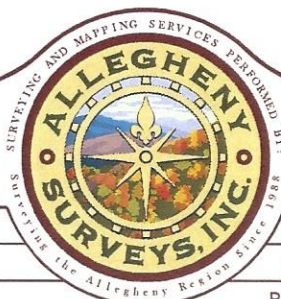
\$7,500.00



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
OCT 28 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: C. Robinson
RESEARCH: J. Miller	PREPARED: September 18, 2025
SURVEYED: Dec. 2016	PROJECT NO: 127-36-EO-25
FIELD CREW: C.L., K.M.	DRAWING NO: Bream 1HAOR

Sheet 1 of 1

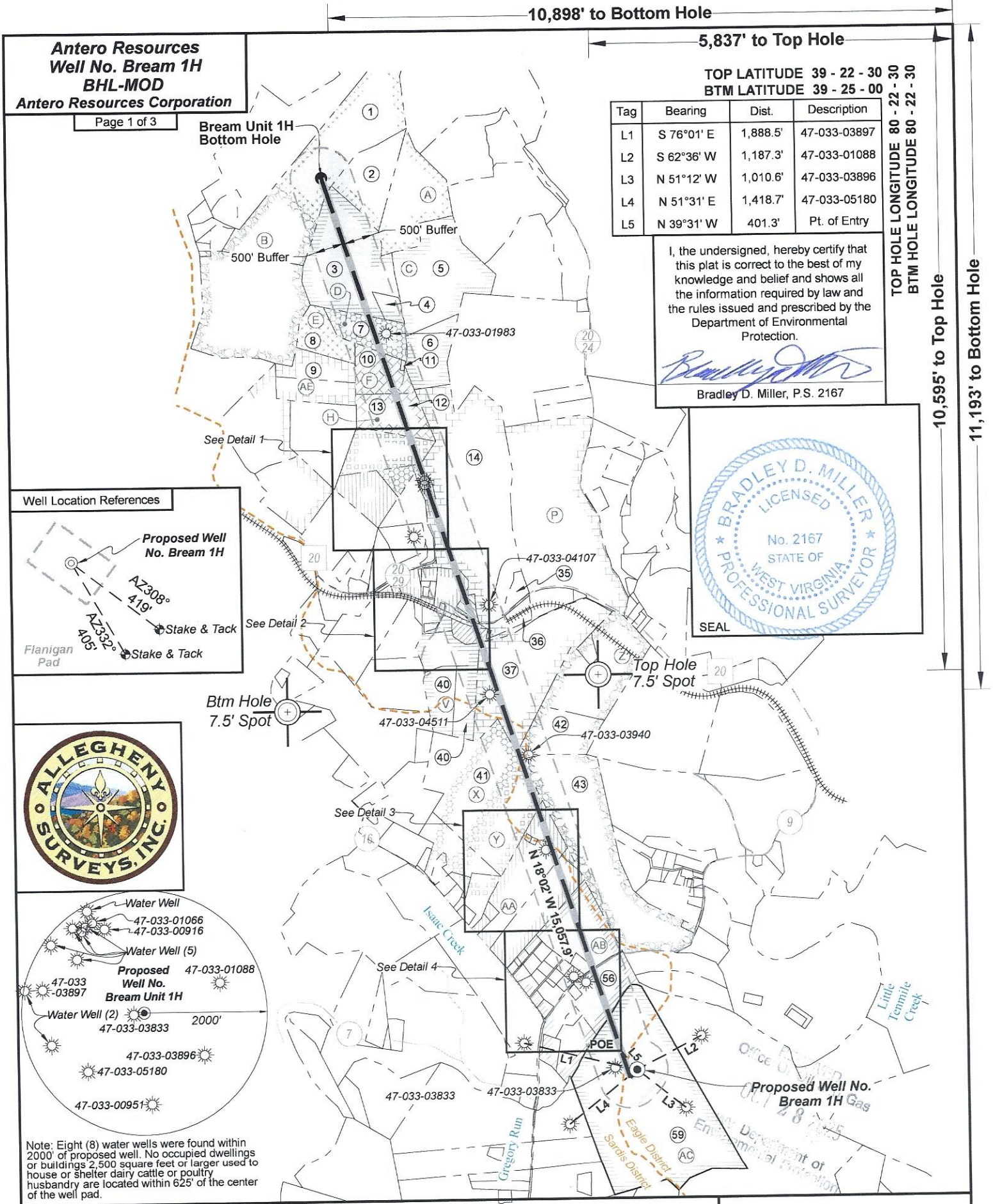


Scale: 1 inch = 2000 feet

11/14/2025

UWI (APINum)	Well Name	Well Number	Operator	Historical Operator	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not perf'd
4703303833	COFFMAN A W	COFFMANK-7	DEVONIAN GAS PRODUCTION INC	KRISCOTT INC	4,660	3010 - 4587	Speechley, Balltown, Benson	Weir, Alexander
4703300916	O C HARBERT	2/A-538	CLEM ENERGY LLC	ALLEGHENY LAND&MNRL	4,480	3193 - 3216	Fifth, Balltown	Weir, Alexander
4703301066	JAMES MONROE	B-969	R & R OIL & GAS LLC	SCOTT ENTERPRISES	4,569	3306 - 3344	Balltown	Weir, Alexander
4703372348	C W MURRAY	47-033-924	ALLEGHENY LAND&MNRL	ALLEGHENY LAND&MNRL				
4703303940	ATKINSON B	3	DEVONIAN GAS PRODUCTION INC	KRISCOTT INC	4,910	3592 - 4768	Balltown, Benson	Weir, Alexander
4703304511	SWIGER	1612	DIVERSIFIED PRODUCTION LLC	LINN OPERATING LLC	3,713	2214 - 3539	Thirty-Foot, Gordon, Fifth, Speechley, Balltown	Weir, Alexander
4703304107	SWIGER A G	1	DEVONIAN GAS PRODUCTION INC	KRISCOTT INC	4,617	3165 - 4342	Balltown, Benson	Weir, Alexander
4703301093	JOHN H ROGERS	2B-124	DIVERSIFIED PRODUCTION LLC	J & J ENTERPRISES	4,551	3249 - 4435	Thirty-Foot, Fifth, Benson	Weir, Alexander
4703301660	DELPHIA A MICHAELS	2366	EQUITRANS LP	EQUITABLE GAS CO	1,388		Squaw	Weir, Alexander
4703304225	RUSH	D-87	DIVERSIFIED PRODUCTION LLC	DIVERSIFIED RES INC	3,442	1920 - 3190	Fifth, Speechley, Balltown	Weir, Alexander
4703301983	ROGERS V M	1	PETRO SERVICE PARTNERS INC	DORAN ASSOC	4,629	3296 - 4490	Balltown, Benson	Weir, Alexander

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 OCT 28 2025
 WV Department of
 Environmental Protection



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

Page 1 of 3

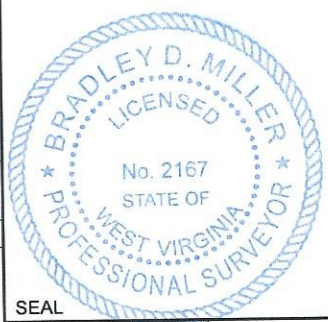
Bream Unit 1H
Bottom Hole

TOP LATITUDE 39 - 22 - 30
BTM LATITUDE 39 - 25 - 00

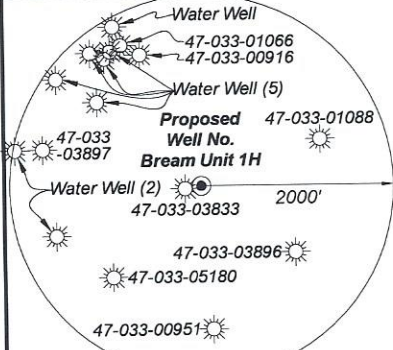
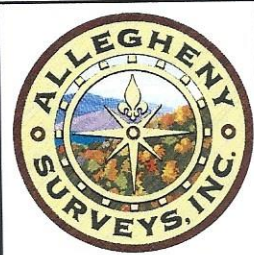
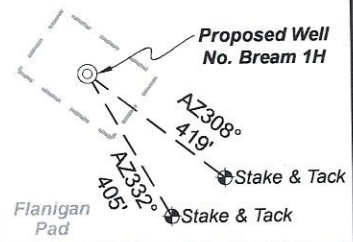
Tag	Bearing	Dist.	Description
L1	S 76°01' E	1,888.5'	47-033-03897
L2	S 62°36' W	1,187.3'	47-033-01088
L3	N 51°12' W	1,010.6'	47-033-03896
L4	N 51°31' E	1,418.7'	47-033-05180
L5	N 39°31' W	401.3'	Pt. of Entry

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



Well Location References



Note: Eight (8) 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.

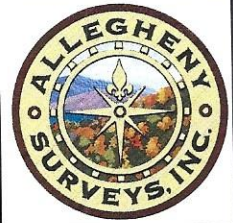
FILE NO: 127-36-EO-25
DRAWING NO: Bream Unit 1H BHL-MOD Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

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

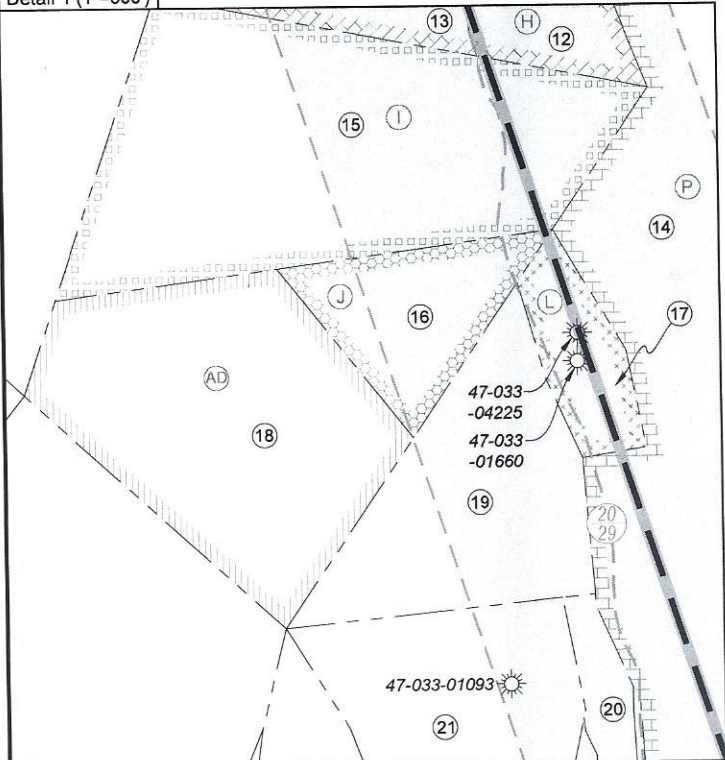
DATE: September 22 20 25
OPERATOR'S WELL NO. Bream Unit 1H
API WELL NO
47 - 033 - 06119
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: Proposed 1,154.4' WATERSHED: Tenmile Creek QUADRANGLE: Wolf Summit
DISTRICT: Eagle & Sardis COUNTY: Harrison
SURFACE OWNER: Robert G. & Christine E. Flanigan, et al ACREAGE: 129.00 11/14/2025
ROYALTY OWNER: A.W. & Susan C. Coffman LEASE NO: ACREAGE: 129.00
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☒ DRILL DEEPER ☒ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL-MOD 7,700' TVD
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,000' MD

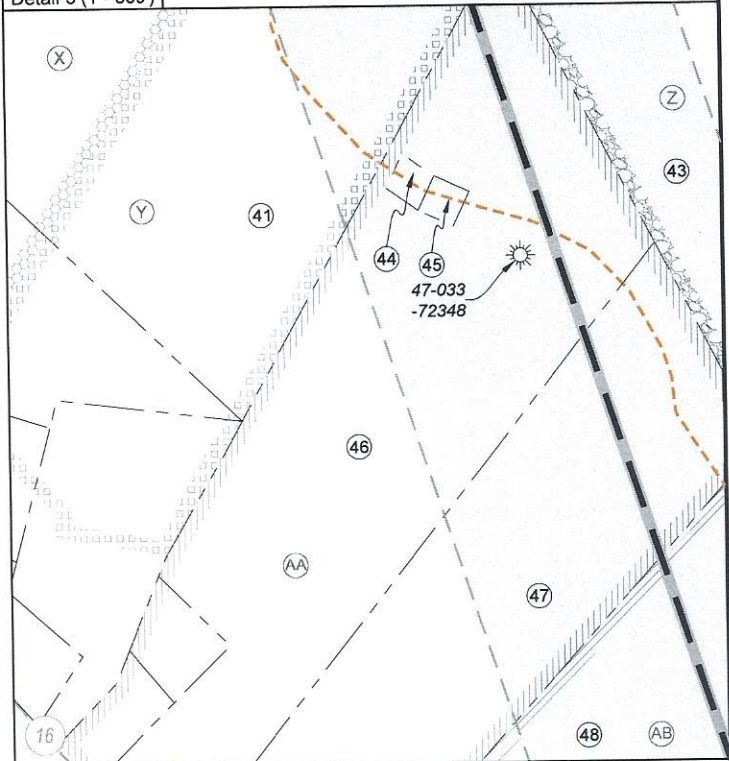
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Conrad Baston
ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
Denver, CO 80202 Bridgeport, WV 26330



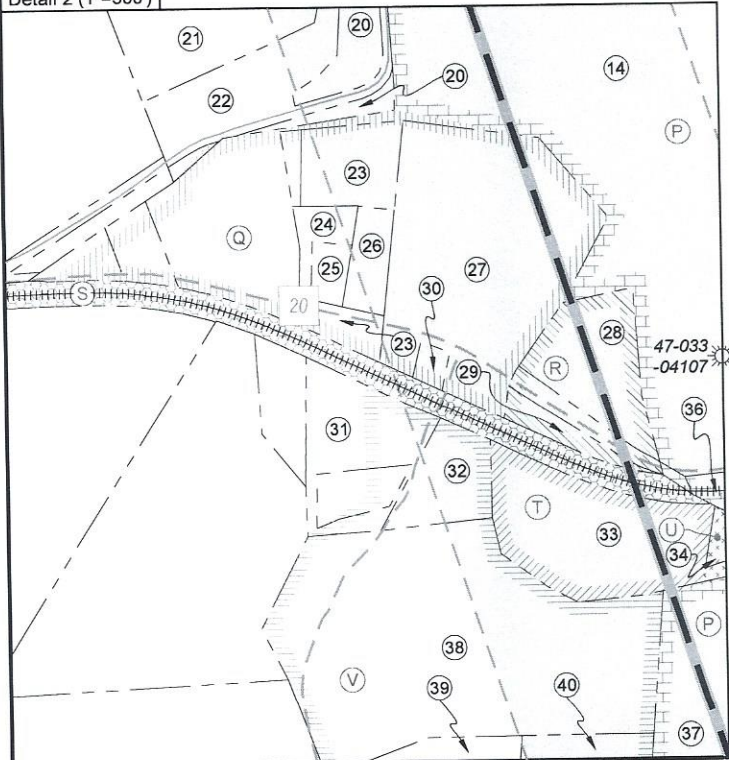
Detail 1 (1"=500')



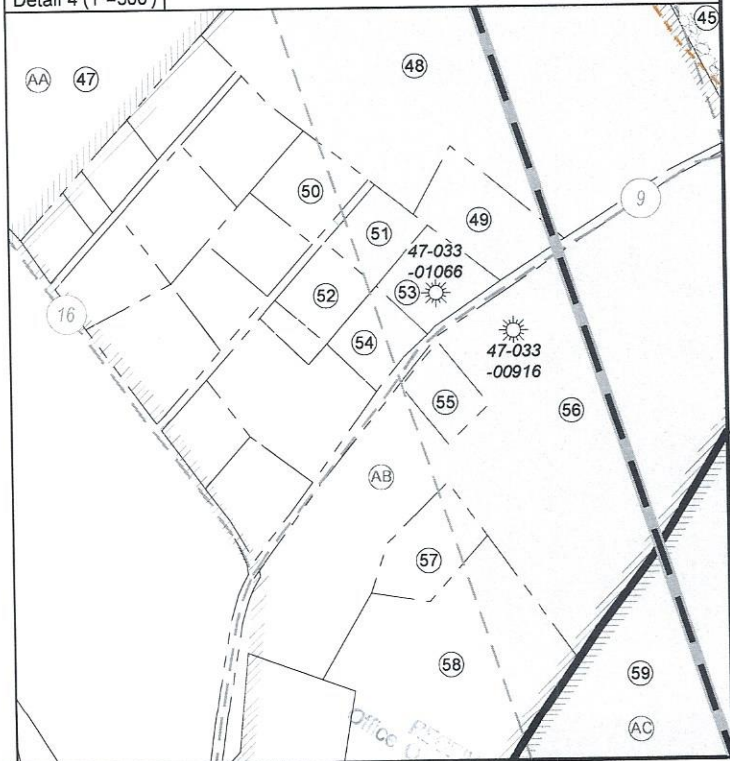
Detail 3 (1"=500')



Detail 2 (1"=500')



Detail 4 (1"=500')



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WVDOT, Harrisville, WV

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

DATE: September 22 20 25

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API WELL NO

47 033 - 06119
STATE COUNTY PERMIT

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COUNTY: Harrison

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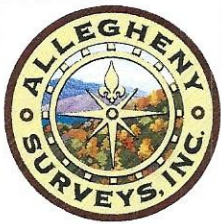
WELL OPERATOR: Antero Resources Corporation

DESIGNATED AGENT: Conrad Baston

ADDRESS: 1615 Wynkoop Street
Denver, CO 80202

ADDRESS: 535 White Oaks Blvd.
Bridgeport, WV 26330

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



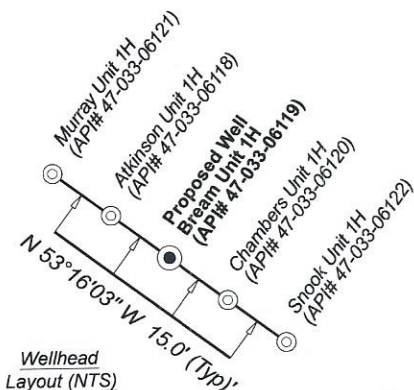
Page 3 of 3

Tag	Lease
A	Louisa C. Robinson & D.D. Robinson, her husband
B	Donley Boggess, et al
C	J.N. Swiger & H.J. Swiger, his wife
D	Martha V. Rogers
E	Will E. Morris Heirs Trust
F	James H. Williams & Betty J. Williams
H	David E. Nay & Rebecca L. Nay
I	Neal B. Swiger, et al
J	Jessie Jerome Williams
L	Timothy D. & Cynthia L. Freed
P	A.G. Swiger
Q	James Deniers Fontanez

Tag	Lease
R	Sophronia Lang
S	CSX Transportation, Inc.
T	Sophronia Lang
U	Rebecca L. Nay, et al
V	Sophronia Lang
X	Rodger Scott Byrd
Y	A.L. McQuaid & Harriet M. McQuaid, his wife
Z	Blanche R. Atkinson
AA	Chas W. Murray & Clara I. Murray, h/w
AB	L.C. Harbert & Sarah J. Harbert, h/w
AC	A.W. Coffman, et ux
AD	Patrick & Frank Cunningham
AE	Fred Rogers & Mae A. Rogers, his wife

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.)
- District line (approx.)



Notes

West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements. Well No. Bream Unit 1H Top Hole coordinates are N: 309,361.45' Latitude: 39°20'45.29\"/>

Notes:

Well No. Bream Unit 1H UTM Zone 17, NAD 1927 Top Hole Coordinates N: 14,288,454.29\"/>

Harrison County			
No.	TM / Par	Owner	Bk / Pg Ac.
1	205 / 11	Tenmile Ranch, LLC	1754 / 249 81.35
2	205 / 12	Romona A. & Richard P. Swiger, Jr.	1184 / 420 21.80
3	205 / 32	Romona A. & Richard P. Swiger, Jr.	1184 / 420 50.15
4	205 / 32.1	Nickole R. & Richard P. Swiger, III	1461 / 409 3.54
5	205 / 38	Maxine K. & James G. Ice, II	1234 / 770 40.42
6	205 / 38.1	David E. & Rebecca L. Nay	1741 / 767 17.58
7	205 / 37	Nickole R. & Richard P. Swiger, III	1463 / 438 14.58
8	205 / 33	Justin Amos	1767 / 907 11.50
9	205 / 34	Christopher A. & Stacy N. Swiger	1694 / 239 11.00
10	205 / 36	Jessie J. Williams	1354 / 480 13.25
11	205 / 36.1	Carl L. Earnest	1379 / 968 0.20
12	205 / 56	David E. & Rebecca L. Nay	1425 / 782 6.04
13	205 / 55	Patrick H. & Frank O. Cunningham	W203 / 413 13.15
14	205 / 61	David E. & Rebecca L. Nay	1208 / 843 89.26
15	205 / 57	WVTI, LLC	1743 / 461 18.00
16	205 / 58	Jessie J. Williams	1354 / 480 6.50
17	205 / 60	WVTI, LLC	1740 / 161 1.98
18	205 / 58.1	Patrick H. & Frank O. Cunningham	W203 / 413 10.00
19	205 / 59	WVTI, LLC	1742 / 225 7.99
20	205 / 75.2	Jason A. & Rebecca A. Gorby	1542 / 667 2.20
21	205 / 75	Thomas L. & Charlotte A. Rogers	1398 / 223 9.52
22	205 / 75.1	Thomas L. & Charlotte A. Rogers	1086 / 1152 2.80
23	205 / 76	Michael T. & Kimberly D. Cunningham	1731 / 33 2.16
24	205 / 76.3	Michael T. & Kimberly D. Cunningham	1784 / 228 0.45
25	205 / 76.2	Daniel M. Baney, et al	1570 / 212 0.34
26	205 / 76.1	Daniel M. Baney, et al	1570 / 212 0.64
27	205 / 77	Deniers J. Fontanez	W204 / 310 6.26
28	205 / 81	Deniers J. & Lori A. Fontanez	1364 / 992 1.97
29	205 / 81.1	Deniers J. & Lori A. Fontanez	1368 / 270 0.25
30	205 / 78	Private Cemetery	xxxx / xxxx 0.20
31	225 / 12	James & Carol M. Rush	1494 / 654 1.73
32	225 / 13	James & Carol M. Rush	1763 / 15 1.23
33	225 / 15	Trustees Tenmile Baptist Church	785 / 519 2.00
34	225 / 19	Tenmile Baptist Church	75 / 120 0.75
35	205 / 61.1	David E. & Rebecca L. Nay	1208 / 843 3.21
36	225 / 20	Mildred I. Leasure (LE)	1757 / 632 5.20
37	225 / 21	Patrick H. & Frank O. Cunningham	W203 / 413 64.00
38	225 / 16	James & Carol M. Rush	1763 / 15 11.01
39	225 / 17	James & Carol M. Rush	1763 / 15 10.75
40	225 / 18	James & Carol M. Rush	1763 / 15 14.00
41	225 / 35.1	Gregory K. Davisson, et al	1763 / 1314 77.80
42	225 / 36	Jason C. & Kristin A. Cunningham	1610 / 1185 18.47
43	225 / 57	Jason C. & Kristin A. Cunningham	1610 / 1185 67.52
44	225 / 55.4	Short Line Public Service District	1437 / 288 0.23
45	225 / 55.2	Short Line Public Service District	1059 / 568 0.23
46	225 / 55	Starla K. & Thyron L. Bates	1717 / 98 24.83
47	225 / 56	Starla K. & Thyron L. Bates	1717 / 98 23.40
48	225 / 73	Jason C. & Kristin A. Cunningham	1610 / 1185 24.12
49	225 / 73.1	James F. & Rebecca Deberry	1671 / 438 1.50
50	225A / 16	James E. & Janelle A. Savage	1002 / 836 1.07
51	225A / 18	Glacus Gladwell	1364 / 990 0.82
52	225A / 13	Loretta Mayfield	1567 / 127 0.80
53	225A / 21	Edna D. Swiger (LE)	1654 / 1120 1.30
54	225A / 19	Edna D. Swiger (LE)	1654 / 1120 0.84
55	225 / 74.1	Harley D. & Mary Jo Knight (LE)	1319 / 765 0.71
56	225 / 74	Kevin Owens & Kristy D. Sendling	1396 / 687 23.06
57	225 / 74.2	James L. Thornhill	1167 / 725 1.11
58	225 / 74.3	James L. Thornhill	1167 / 731 10.42
59	245 / 26	Robert G. & Christine E. Flanigan, et al	W216 / 842 129.00

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☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL-MOD 7,700' TVD

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,000' 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)

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
AC: A.W. Coffman, et ux Lease			
A.W. Coffman, et ux	Hope Natural Gas	1/8	0143/0420
Hope Natural Gas	Consolidated Gas Supply Corporation	Conveyed	0903/0179
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Conveyed	1136/0250
Consolidated Gas Transmission Corporation	CNG Development Company	Conveyed	1143/0921
CNG Development Company	CNG Producing Company	Name Change	WVSOS
CNG Producing Company	Dominion Exploration & Production, Inc.	Name Change	0058/0366
Dominion Exploration & Production, Inc.	Antero Resources Appalachian Corporation	Assignment	1423/1068
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0002/0914
AB: L.C. Harbert & Sarah J. Harbert, h/w Lease			
L.C. Harbert & Sarah J. Harbert, h/w	Hope Natural Gas	1/8	0143/0335
Hope Natural Gas	Consolidated Gas Supply Corporation	Conveyed	0903/0179
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Conveyed	1136/0250
Consolidated Gas Transmission Corporation	CNG Development Company	Conveyed	1143/0921
CNG Development Company	CNG Producing Company	Name Change	WVSOS
CNG Producing Company	Dominion Exploration & Production, Inc.	Name Change	0058/0366
Dominion Exploration & Production, Inc.	Antero Resources Appalachian Corporation	Assignment	1423/1068
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0002/0914
AA: Chas W. Murray & Clara I. Murray, h/w Lease			
Chas W. Murray and Clara I. Murray, h/w	Sheridan R. Griffin	1/8	0193/0193
Sheridan R. Griffin	W.R. Truby	Assignment	0207/0471
W.R. Truby	Wheeling Natural Gas Company	Assignment	0210/0063
Wheeling Natural Gas Company	Hope Natural Gas Company	Assignment	0202/0375
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	0903/0179
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Conveyed	1136/0250
Consolidated Gas Transmission Corporation	CNG Transmission Company	Name Change	0051/0795
CNG Transmission Company	Dominion Transmission, Inc.	Name Change	0058/0362
Dominion Transmission, Inc.	CONSOL Energy Holdings LLC XVI	Merger	1458/0299
CONSOL Energy Holdings LLC XVI	Consol Gas Company	Merger	0059/1019
Consol Gas Company	CNX Gas Company LLC	Merger	1472/0294
CNX Gas Company LLC	Antero Resources Appalachian Corporation	Assignment	1479/0628
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0002/0914
Y: A.L. McQuaid & Harriet M. McQuaid, his wife Lease			
A.L. McQuaid & Harriet M. McQuaid, his wife	Exploration Partners, LLC	1/8	1283/0740
Exploration Partners, LLC	Linn Energy Holdings, LLC	Assignment	1413/0652
Linn Energy Holdings, LLC	XTO Energy, Inc.	Assignment	1419/0959
XTO Energy, Inc.	Antero Resources Appalachian Corporation	Assignment	1478/1215
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0002/0914
X: Rodger Scott Byrd Lease			
Rodger Scott Byrd	Antero Resources Corporation	1/8+	1801/0554

11/14/2025

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
Z: Blanche R. Atkinson Lease			
Blanche R. Atkinson	Consolidated Gas Supply Corporation	1/8	1017/0388
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Conveyed	1136/0250
Consolidated Gas Transmission Corporation	CNG Development Company	Conveyed	1143/0921
CNG Development Company	CNG Producing Company	Name Change	WVSOS
CNG Producing Company	Dominion Exploration & Production, Inc.	Name Change	0058/0366
Dominion Exploration & Production, Inc.	Dominion Transmission Inc.	Assignment	1458/0299
Dominion Transmission Inc.	CONSOL Energy Holdings LLC VI	Merger	0036/0913
CONSOL Energy Holdings LLC VI	Consol Gas Company	Merger	0059/1019
Consol Gas Company	CNX Gas Company LLC	Merger	1472/0294
CNX Gas Company LLC	Antero Resources Appalachian Corporation	Assignment	1479/0628
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0002/0914
P: A.G. Swiger Lease			
A.G. Swiger	Hope Natural Gas Company	1/8	0176/0162
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Conveyed	0903/0179
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Conveyed	1136/0250
Consolidated Gas Transmission Corporation	CNG Transmission Company	Conveyed	0060/0117
CNG Transmission Company	Dominion Transmission, Inc.	Name Change	0060/0117
Dominion Transmission, Inc.	CONSOL Energy Holdings, LLC VI	Merger	0036/0913
CONSOL Energy Holdings, LLC VI	CNX Gas Company, LLC	Merger	0059/1019
CNX Gas Company, LLC	Antero Resources Appalachian Corporation	Assignment	1479/0628
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0002/0914
T: Sophronia Lang Lease			
Sophronia Lang	Hope Natural Gas Company	1/8	0176/0220
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Conveyed	0903/0179
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Conveyed	1136/0250
Consolidated Gas Transmission Corporation	CNG Transmission Company	Name Change	0051/0795
CNG Transmission Company	Dominion Transmission, Inc.	Name Change	0058/0362
Dominion Transmission, Inc.	CONSOL Energy Holdings LLC VI	Merger	0036/0913
CONSOL Energy Holdings LLC VI	Consol Gas Company	Merger	0059/1019
Consol Gas Company	CNX Gas Company LLC	Merger	1472/0294
CNX Gas Company LLC	Antero Resources Appalachian Corporation	Assignment	1479/0294
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0002/0914
S: CSX Transportation, Inc. Lease			
CSX Transportation, Inc.	Antero Resources Corporation	1/8	Pooled Tract
R: Sophronia Lang Lease			
Sophronia Lang	Hope Natural Gas Company	1/8	0176/0220
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Conveyed	0903/0179
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Conveyed	1136/0250
Consolidated Gas Transmission Corporation	CNG Transmission Company	Name Change	0051/0795
CNG Transmission Company	Dominion Transmission, Inc.	Name Change	0058/0362
Dominion Transmission, Inc.	CONSOL Energy Holdings LLC VI	Merger	0036/0913
CONSOL Energy Holdings LLC VI	Consol Gas Company	Merger	0059/1019
Consol Gas Company	CNX Gas Company LLC	Merger	1472/0294
CNX Gas Company LLC	Antero Resources Appalachian Corporation	Assignment	1479/0294
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0002/0914

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<u>P: A.G. Swiger Lease</u>			
A.G. Swiger	Hope Natural Gas Company	1/8	0176/0162
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Conveyed	0903/0179
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Conveyed	1136/0250
Consolidated Gas Transmission Corporation	CNG Transmission Company	Conveyed	0060/0117
CNG Transmission Company	Dominion Transmission, Inc.	Name Change	0060/0117
Dominion Transmission, Inc.	CONSOL Energy Holdings, LLC VI	Merger	0036/0913
CONSOL Energy Holdings, LLC VI	CNX Gas Company, LLC	Merger	0059/1019
CNX Gas Company, LLC	Antero Resources Appalachian Corporation	Assignment	1479/0628
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0002/0914
<u>Q: James Deniers Fontanez Lease</u>			
James Deniers Fontanez	Antero Resources Corporation	1/8	Pooled Tract
<u>P: A.G. Swiger Lease</u>			
A.G. Swiger	Hope Natural Gas Company	1/8	0176/0162
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Conveyed	0903/0179
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Conveyed	1136/0250
Consolidated Gas Transmission Corporation	CNG Transmission Company	Conveyed	0060/0117
CNG Transmission Company	Dominion Transmission, Inc.	Name Change	0060/0117
Dominion Transmission, Inc.	CONSOL Energy Holdings, LLC VI	Merger	0036/0913
CONSOL Energy Holdings, LLC VI	CNX Gas Company, LLC	Merger	0059/1019
CNX Gas Company, LLC	Antero Resources Appalachian Corporation	Assignment	1479/0628
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0002/0914
<u>L: Timothy D. & Cynthia L. Freed Lease</u>			
Timothy D. & Cynthia L. Freed	Diversified Resources, Inc.	1/8	1305/0851
Diversified Resources, Inc.	Antero Resources Corporation	Assignment	Pooled Tract
<u>J: Jessie Jerome Williams Lease</u>			
Jessie Jerome Williams	Antero Resources Corporation	1/8+	1803/0239
<u>I: Neal B. Swiger, et al Lease</u>			
Neal B. Swiger, et al	James F. Scott	1/8	1132/0130
James F. Scott	EMAX Oil Company	Assignment	1206/1114
EMAX Oil Company	Cabot Oil & Gas Corporation	Assignment	1244/0736
Cabot Oil & Gas Corporation	Enervest Appalachia, LP	Assignment	1314/1012
Enervest Appalachia, LP	Statoil USA Onshore Properties, Inc.	Assignment	1541/0523
Statoil USA Onshore Properties, Inc.	EQT Production Company	Assignment	1578/0134
EQT Production Company	Antero Resources Corporation	Assignment	Pooled Tract
<u>H: David E. Nay & Rebecca L. Nay Lease</u>			
David E. Nay & Rebecca L. Nay	Antero Resources Corporation	1/8+	1800/1035

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
F: James H. Williams & Betty J. Williams Lease			
James H. Williams & Betty J. Williams	James F. Scott	1/8	1070/0658
James F. Scott	Convest 1980-II Energy Income Program	Assignment	1106/0278
Convest 1980-II Energy Income Program	Convest Production Company	Assignment	1151/0862
Convest Production Company	CEP Interim Partners, LP	Merger	0054/0056
CEP Interim Partners, LP	Convest Energy Corporation	Merger	0054/0059
Convest Energy Corporation	Fuel Resources Production and Development Company	Assignment	1244/0623
Fuel Resources Production and Development Company	The Houston Exploration Company	Assignment	1324/0735
The Houston Exploration Company	Seneca-Upshur Petroleum, Inc.	Assignment	1367/1084
Seneca-Upshur Petroleum, Inc.	Seneca-Upshur Petroleum, LLC	Name Change	0059/1032
Seneca-Upshur Petroleum, LLC	Antero Resources Corporation	Assignment	Pooled Tract
D: Martha V. Rogers Lease			
Martha V. Rogers	Doran & Associates, Inc.	1/8	1067/0353
Doran & Associates, Inc.	Cabot Oil & Gas Corporation	Assignment	1193/0361
Cabot Oil & Gas Corporation	Enervest Appalachia, LP	Assignment	1314/1012
Enervest Appalachia, LP	Statoil USA Onshore Properties, Inc.	Assignment	1541/0523
Statoil USA Onshore Properties, Inc.	EQT Production Company	Assignment	1578/0134
EQT Production Company	Antero Resources Corporation	Assignment	Pooled Tract
C: J.N. Swiger & H.J. Swiger, his wife Lease			
J.N. Swiger and H.J. Swiger	Hope Natural Gas Company	1/8	0176/0216
Hope Natural Gas Company	Consolidated Gas Supply Corporation	Conveyed	0903/0179
Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Conveyed	1136/0250
Consolidated Gas Transmission Corporation	CNG Transmission Company	Name Change	0051/0795
CNG Transmission Company	Dominion Transmission Inc.	Name Change	0058/0362
Dominion Transmission Inc.	CONSOL Energy Holdings LLC XVI	Merger	1458/0299
CONSOL Energy Holdings LLC XVI	CNX Gas Company LLC	Merger	0036/0913
CNX Gas Company LLC	Antero Resources Appalachian Corporation	Assignment	1479/0628
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0002/914

RECEIVED
Office of Oil and Gas
OCT 28 2025
West Virginia Department of
Environmental Protection

*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.

11/14/2025

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Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
A: Louisa C. Robinson & D.D. Robinson, her husband Lease				
	Louisa C. Robinson & D.D. Robinson, her husband	Hope Natural Gas Company	1/8	0180/0381
	Hope Natural Gas Company	Consolidated Gas Supply Corporation	Conveyed	0903/0179
	Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Conveyed	1136/0250
	Consolidated Gas Transmission Corporation	CNG Transmission Company	Name Change	0051/0795
	CNG Transmission Company	Dominion Transmission, Inc.	Name Change	0058/0362
	Dominion Transmission, Inc.	CONSOL Energy Holdings LLC XVI	Merger	1458/0299
	CONSOL Energy Holdings LLC XVI	Consol Gas Company	Merger	0059/1019
	Consol Gas Company	CNX Gas Company LLC	Merger	1472/0294
	CNX Gas Company LLC	Antero Resources Appalachian Corporation	Assignment	1479/0628
	Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0002/0914

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**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

OCT 28 2025
WV Department of
Environmental Protection