



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

Tuesday, October 4, 2022
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for TRAINER 1H
47-017-06939-00-00

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 blue ink, appearing to read 'James A. Martin', is written over a blue circular stamp.

James A. Martin
Chief

Operator's Well Number: TRAINER 1H
Farm Name: BRIAN D LEMLEY & CHRISTIE M LEMASTER ET AL
U.S. WELL NUMBER: 47-017-06939-00-00
Horizontal 6A New Drill
Date Modification Issued: 10/04/2022

Promoting a healthy environment.

CK # 4012949
5000

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

1) Well Operator: Antero Resources Corporat 494507062 017-Doddrid Grant Smithburg 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: Trainer Unit 1H MOD Well Pad Name: Lemley Pad

3) Farm Name/Surface Owner: Phillip N. Hill, et al Public Road Access: Hollow Run Rd

4) Elevation, current ground: 1304' AS BUILT Elevation, proposed post-construction: _____

5) Well Type (a) Gas Oil _____ Underground Storage _____
Other _____

(b) If Gas Shallow Deep _____
Horizontal _____

SDW
10/4/2022

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- 2950#

8) Proposed Total Vertical Depth: 7400' TVD

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24000' MD

11) Proposed Horizontal Leg Length: 15054.9'

12) Approximate Fresh Water Strata Depths: 291', 345, 366' 790'

13) Method to Determine Fresh Water Depths: 47-017-04998, 47-017-04719, Depths have been adjusted according to surface elevations.

14) Approximate Saltwater Depths: 1460', 1673', 1700', 1710'

15) Approximate Coal Seam Depths: 980'

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

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____
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18)

CASING AND TUBING PROGRAM

| TYPE | <u>Size (in)</u> | <u>New or Used</u> | <u>Grade</u> | <u>Weight per ft. (lb/ft)</u> | <u>FOOTAGE: For Drilling (ft)</u> | <u>INTERVALS: Left in Well (ft)</u> | <u>CEMENT: Fill-up (Cu. Ft.)/CTS</u> |
|--------------|------------------|--------------------|--------------|-------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Conductor | 20" | New | X60 | 78.67# | 100 | 100 | CTS, 96 Cu. Ft. |
| Fresh Water | 13-3/8" | New | J-55 | 54.5# | 840' | 840' | CTS, 583 Cu. Ft. |
| Coal | 9-5/8" | New | J-55 | 36# | 3200' | 3200' | CTS, 1303 Cu. Ft. |
| Intermediate | | | | | | | |
| Production | 5-1/2" | New | P-110HP | 23# | 24000' | 24000' | 5130 Cu. Ft |
| Tubing | 2-3/8" | New | N-80 | 4.7# | | 7100' | |
| Liners | | | | | | | |

*SDW
01/12/2022*

| TYPE | <u>Size (in)</u> | <u>Wellbore Diameter (in)</u> | <u>Wall Thickness (in)</u> | <u>Burst Pressure (psi)</u> | <u>Anticipated Max. Internal Pressure (psi)</u> | <u>Cement Type</u> | <u>Cement Yield (cu. ft./k)</u> |
|--------------|------------------|-------------------------------|----------------------------|-----------------------------|---|-----------------------|---------------------------------|
| Conductor | 20" | 24" | 0.438" | 1530 | 50 | Class A | ~1.18 |
| Fresh Water | 13-3/8" | 17-1/2" | 0.38" | 2730 | 1000 | Class A | ~1.18 |
| Coal | 9-5/8" | 12-1/4" | 0.352" | 3520 | 1500 | Class A | ~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 | | | RECEIVED Office of Oil and Gas SEP 26 2022 |
| Sizes: | N/A | | | WV Department of Environmental Protection |
| Depths Set: | N/A | | | |

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

Drill, perforate, fracture a new horizontal shallow well and complete 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): 27.26 acres

22) Area to be disturbed for well pad only, less access road (acres): 4.31 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.

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

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Conductor: no additives, Class A cement.

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

Intermediate: Class A 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.

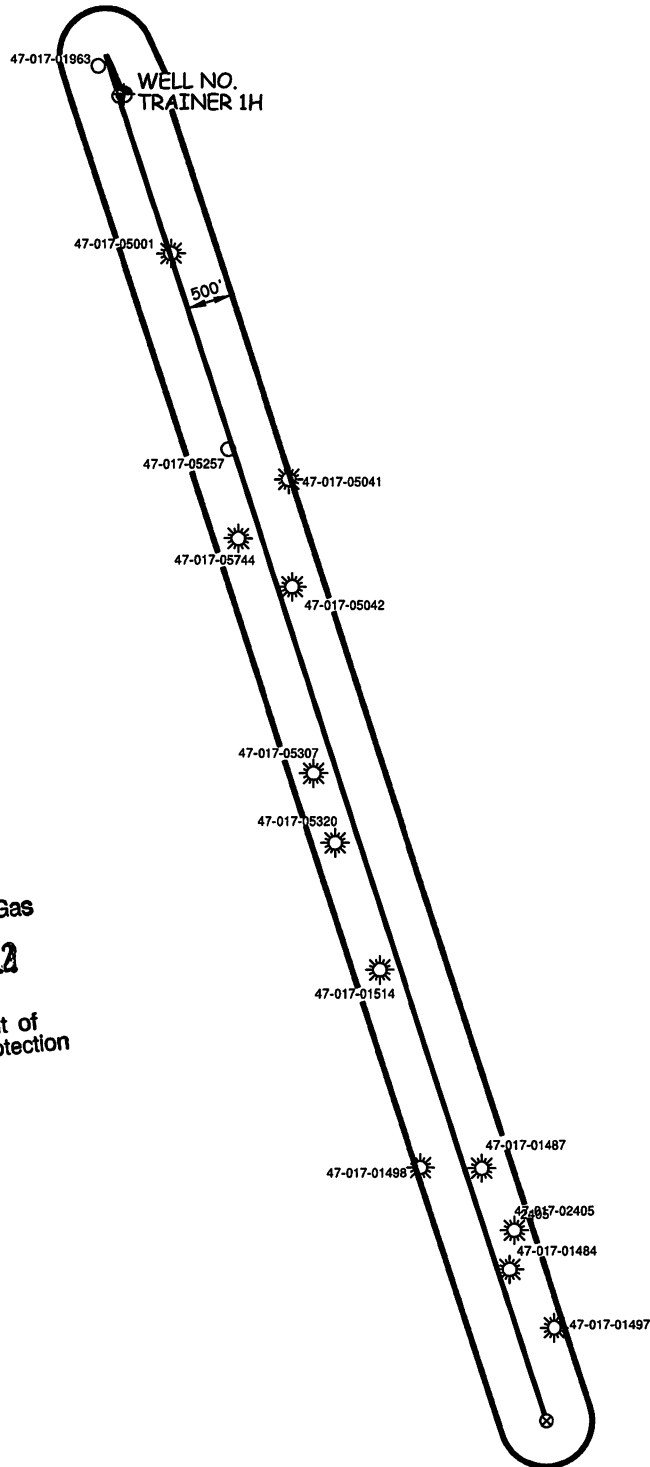
Surface: blowhole clean with air, trip to conductor shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate pipe capacity + 40 bbls fresh water followed by 25 bbls bentonite mud, 10 bbls fresh water spacer.

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.

LEMLEY PAD ANTERO RESOURCES CORPORATION



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| | | |
|--|------------------|--|
| WILLOW LAND SURVEYING, PLLC P.O. BOX 17, PENNSBORO, WV 26415 (304) 659-1717 | JOB #: 22-005WA | SCALE : 1-INCH = 2000-FEET <div style="display: flex; justify-content: space-between; align-items: center;"> 0' 2000' 4000' 6000' </div> |
| DATE: 09/19/22 | DRAWN BY: D.L.P. | FILE: TRAINER1HAOR.DWG |

| UWI (APINum) | Well Name | Well Number | Operator | Historical Operator | TD | Perforated Interval (shallowest, deepest) | Perforated Formation(s) | Producible Formation(s) not perf'd |
|----------------|-------------------|---------------|------------------------------|---------------------|-------|---|--|------------------------------------|
| 47017019630000 | W BOYCE | 5124 | DOMINION TRANSMISION | HOPE NATURAL GAS | 2,294 | | Big Injun, Squaw | Alexander, Berea |
| 47017050010000 | ROLLINS R | 4 | KEY OIL CO | KEY OIL CO | 3,098 | 2329 - 2947 | Big Injun, Gordon | Alexander, Berea |
| 47017052570000 | MOORE ALDEN ET AL | 8579 | DOMINION EXPL&PROD | DOMINION EXPL&PROD | | | | |
| 47017050410000 | ARCHER JOHN | W107-WD8 | JAY-BEE OIL & GAS | JAY-BEE OIL & GAS | 3,298 | 1952 - 3183 | Little Lime, Weir, Thirty-foot | Alexander, Berea |
| 47017057440000 | MOORE ALDEN ET AL | DEPI 8522 REV | DIVERSIFIED PROD LLC | DOMINION EXPL&PROD | 2,858 | 1624 - 2620 | Lo Maxton, Up Maxton, Squaw, Gordon | Alexander, Berea |
| 47017050420000 | WELGH MARY | WD-9 | JAY-BEE OIL & GAS | JAY-BEE OIL & GAS | 5,642 | 3466 - 5452 | Warren, Riley, Alexander, Elk | Benson, Berea |
| 47017053070000 | A G LEATHERMAN | 1 | ANTERO RESOURCES CORPORATION | HALL DRILLING | 3,228 | 2046 - 2056 | Big Injun | Benson, Berea |
| 47017053200000 | A G LEATHERMAN | 3 | ANTERO RESOURCES CORPORATION | HALL DRILLING | 3,067 | 2036 - 2730 | Big Injun, Gordon | Benson, Berea |
| 47017015140000 | LEE DAVIS | 1 | R & R OIL & GAS LLC | SCOTT JAMES F | 1,907 | | Big Injun | Benson, Berea |
| 47017014980000 | E M ROSS | 2 | R & R OIL & GAS LLC | SCOTT JAMES F | 2,150 | | Big Injun | Benson, Berea |
| 47017014870000 | R B ROSS | 2 | R & R OIL & GAS LLC | SCOTT JAMES F | 2,154 | | Salt Sands, Maxton, Blue Monday, Big Injun | Benson, Berea |
| 47017024050000 | PERRY TATE | 1043 | ROSS & WHARTON GAS | HOPE NATURAL GAS | 2,046 | | Big Injun | Benson, Berea |
| 47017014840000 | E M ROSS | 1 | R & R OIL & GAS LLC | SCOTT JAMES F | 2,176 | | Big Injun | Benson, Berea |
| 47017014970000 | F TATE | 2 | R & R OIL & GAS LLC | SCOTT JAMES F | 2,032 | | Big Injun | Benson, Berea |

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LATITUDE 39°20'00"

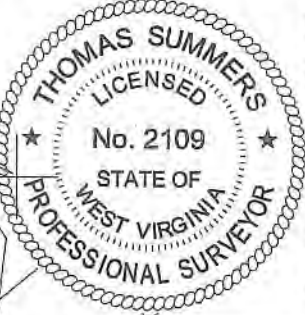
3,882'

LATITUDE 39°17'30"

Antero Resources Corporation Well No. Trainer Unit 1H

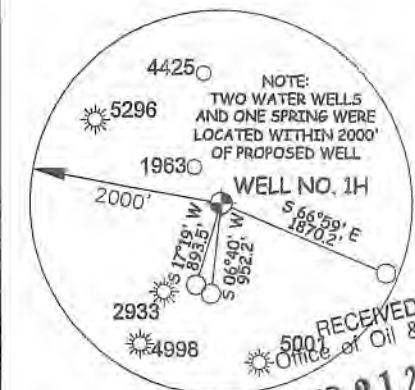
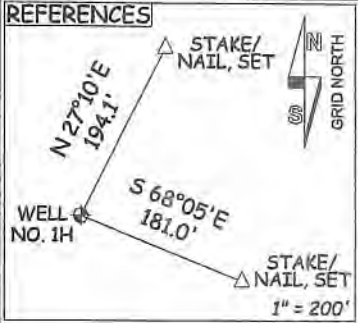
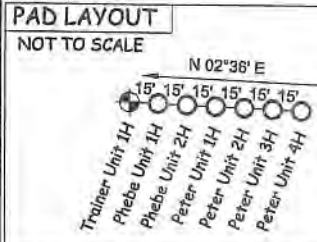
NOTES: WELL 1H TOP HOLE INFORMATION: N: 303,171ft E: 1,666,089ft ... BOTTOM HOLE INFORMATION: N: 288,825ft E: 1,670,649ft ... WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE ...

(NAD) 83 (UTM) ZONE 17 COORDS: WELL 1H TOP HOLE INFORMATION: N: 4,353,052m E: 5,275,564m ... BOTTOM HOLE INFORMATION: N: 4,348,705m E: 5,299,026m



MINERAL OWNERSHIP table listing various owners from A to Y, including CNX Gas Company, LLC, Dennis Powell, etc.

GRANT DISTRICT - DODDRIDGE COUNTY table listing well numbers and owner names such as HFP LLC, Dennis Powell, Jeffery Hill, etc.



NOTE NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER ...

(NAD) 27 (UTM) ZONE 17 COORDS: WELL 1H TOP HOLE INFORMATION: N: 14,280,923ft E: 1,730,800ft ...

JOB # 17-030WA DRAWING # TRAINER1HR1 SCALE 1" = 2000' MINIMUM DEGREE OF ACCURACY SUBMETER

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 PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

LEGEND: Surface Owner Boundary Lines +/-, Interior Surface Tracts +/-, Existing Fence, Found monument, as noted

THOMAS SUMMERS P.S. 2109 DATE 09/09/22 OPERATOR'S WELL# TRAINER UNIT 1H

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL ... LOCATION: ELEVATION 1,304' AS BUILT QUADRANGLE SMITHBURG 7.5' DISTRICT GRANT COUNTY DODDRIDGE ...

COUNTY NAME PERMIT

LATITUDE 39°20'00"

3,882'

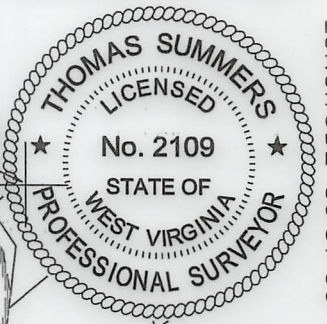
LATITUDE 39°17'30"

Antero Resources Corporation Well No. Trainer Unit 1H

NOTES: WELL 1H TOP HOLE INFORMATION: N: 303,171ft E: 1,666,089ft LAT: 39°19'34.90" LON: 80°40'49.39" BOTTOM HOLE INFORMATION: N: 288,825ft E: 1,670,649ft LAT: 39°17'13.70" LON: 80°39'49.01" WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

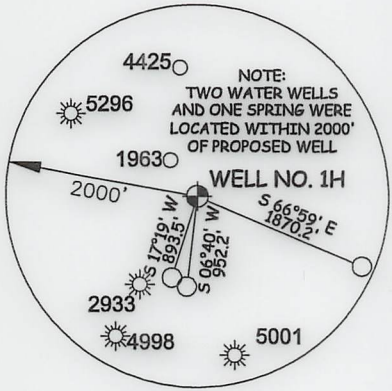
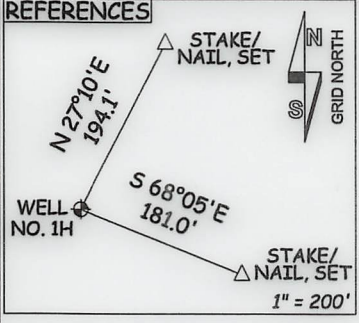
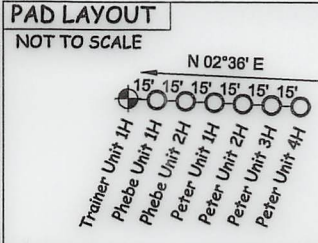
(NAD) 83 (UTM) ZONE 17 COORDS: WELL 1H TOP HOLE INFORMATION: N: 4,353,052m E: 527,564m BOTTOM HOLE INFORMATION: N: 4,348,705m E: 529,026m

WV NORTH ZONE GRID NORTH



MINERAL OWNERSHIP table listing various owners and their interests in the area.

GRANT DISTRICT - DODDRIDGE COUNTY table listing adjacent landowners and their well identifiers.



NOTE: NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

JOB # 17-030WA DRAWING # TRAINER1HR1 SCALE 1" = 2000' MINIMUM DEGREE OF ACCURACY SUBMETER PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

LEGEND: Surface Owner Boundary Lines +/-, Interior Surface Tracts +/-, Existing Fence, Found monument, as noted

THOMAS SUMMERS P.S. 2109 DATE 09/09/22

OPERATOR'S WELL# TRAINER UNIT 1H API WELL # 47 - 017 - 06939 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS WELLS INFORMATION: WELLS TYPE, LOCATION, QUADRANGLE, SURFACE OWNER, OIL & GAS ROYALTY OWNER, PROPOSED WORK, TARGET FORMATION, WELL OPERATOR, ADDRESS, ESTIMATED DEPTH, DESIGNATED AGENT, ADDRESS.

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>D: Mariette Lemley, et al Lease</u> | | | |
| Mariette Lemley, et al | S&K Land Company | 1/8 | 0114/0075 |
| S&K Land Company | Mert Development, Inc. | Assignment | 0115/0110 |
| Mert Development, Inc. | Continental Reserves 1980-E | Assignment | 0123/0022 |
| Continental Reserves 1980-E | Appalachian Energy Development Corporation | Assignment | 0150/0251 |
| Appalachian Energy Development Corporation | Appalachian Energy Reserves, Inc | Affidavit of Identity | 0019/0210 |
| Appalachian Energy Reserves, Inc. | Jay Shearer | Assignment | 0179/0146 |
| Jay Shearer | Clowser Production Company | Assignment | 0285/0420 |
| Clowser Production Company | Antero Resources Appalachian Corporation | Assignment | 0285/0417 |
| Antero Resources Appalachian Corporation | Antero Resources Corporation | Name Change | 0046/0523 |
| <u>A: CNX Gas Company LLC Lease</u> | | | |
| CNX Gas Company LLC | Antero Resources Corporation | Assignment | 506/507 |
| <u>G: Joyce A. Bates Lease</u> | | | |
| Joyce A. Bates | Antero Resources Corporation | 1/8+ | 500/463 |
| <u>F: Lydia Mae Rollins Lease</u> | | | |
| Lydia Mae Rollins | Key Oil Company | 1/8 | 196/675 |
| Key Oil Company | Antero Resources Appalachian Corporation | Assignment | 256/285 |
| Antero Resources Appalachian Corporation | Antero Resources Corporation | Name Change | 48/523 |
| <u>H: Joyce A. Bates Lease</u> | | | |
| Joyce A. Bates | Antero Resources Corporation | 1/8+ | 500/463 |
| <u>I: Keith Smith Lease</u> | | | |
| Keith Smith | EQT Production Company | 1/8 | 388/258 |
| EQT Production Company | Antero Resources Corporation | Assignment | 467/165 |
| <u>J: Sidney Thompson Lease</u> | | | |
| Sidney Thompson | Antero Resources Corporation | 1/8+ | 445/542 |
| <u>K: Davis & Elkins College Lease</u> | | | |
| Davis & Elkin College | Dominion Exploration & Production Inc | 1/8 | 204/244 |
| Dominion Exploration & Production Inc | Dominion Appalachian Development LLC | 1/8 | 230/578 |
| Dominion Appalachian Development LLC | Antero Resources Appalachian Corporation | Assignment | 230/113 |
| Antero Resources Appalachian Corporation | Antero Resources Corporation | Name Change | 46/523 |
| <u>M: U.G. Arnett et ux Lease</u> | | | |
| U. G. Arnett et ux | South Penn Oil Company | 1/8 | 17/271 |
| South Penn Oil Company | Hope Natural Gas Company | Assignment | 26/133 |
| Hope Natural Gas Company | Consolidated Gas Supply Corporation | Merger | 143/345 |
| Consolidated Gas Supply Corporation | Consolidated Gas Transmission Corporation | Assignment | 135/583 |
| Consolidated Gas Transmission Corporation | CNG Transmission Corporation | Name Change | 332/563 |
| CHG Transmission Corporation | Dominion Transmission Inc | Name Change | 332/570 |
| Dominion Transmission Inc | Consol Energy Holdings LLC XVI | Assignment | 245/1 |
| Consol Energy Holdings LLC XVI | Consol Gas Company | Merger | 292/469 |
| Consol Gas Company | CNX Gas Company LLC | Merger | 293/252 |
| CNX Gas Company LLC | Antero Resources Corporation | Assignment | 400/565 |

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INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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- (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>N: Z.T. Ball et ux Lease</u> | | | |
| Z.T. Ball et ux | Hope Natural Gas Company | 1/8 | 23/21 |
| Hope Natural Gas Company | Consolidated Gas Supply Corporation | Merger | 143/345 |
| Consolidated Gas Supply Corporation | Consolidated Gas Transmission Corporation | Assignment | 135/583 |
| Consolidated Gas Transmission Corporation | CNG Development Company | Merger | 139/41 |
| CNG Development Company | CNG Producing Company | Merger | 168/588 |
| CNG Producing Company | Dominion Exploration & Production Company | Merger | 58/366 |
| Dominion Exploration & Production Company | Antero Resources Appalachian Corporation | Assignment | 230/113 |
| Antero Resources Appalachian Corporation | Antero Resources Corporation | Name Change | 46/523 |
| <u>O: Delbert E. Leatherman Lease</u> | | | |
| Delbert E. Leatherman | Clarence W Mutschelknaus | 1/8 | 199/295 |
| Clarence W Mutschelknaus | Bluestone Energy Partners | Assignment | 250/659 |
| Bluestone Energy Partners | BEP Merger Sub LP | Merger | 288/1 |
| BEP Merger Sub LP | Antero Resources Bluestone LLC | Merger | 288/1 |
| Antero Resources Bluestone LLC | Antero Resources Corporation | Merger | WV SOS |
| <u>P: Earl Balis Sr. Lease</u> | | | |
| Earl Balis Sr. | Clarence W Mutschelknaus | 1/8 | 199/517 |
| Clarence W Mutschelknaus | Bluestone Energy Partners | Assignment | 250/659 |
| Bluestone Energy Partners | BEP Merger Sub LP | Merger | 288/1 |
| BEP Merger Sub LP | Antero Resources Bluestone LLC | Merger | 288/1 |
| Antero Resources Bluestone LLC | Antero Resources Corporation | Merger | WV SOS |
| <u>S: Gary G. Wilcox Lease</u> | | | |
| Gary G. Wilcox | Antero Resources Corporation | 1/8+ | 442/457 |
| <u>U: Emax Gas Co, et al Lease</u> | | | |
| Emax gas Company et al | Emax Oil Company | 1/8 | 374/188 |
| Emax Oil Company | Antero Resources Corporation | Assignment | 394/182 |
| <u>V: Perry Tate Lease</u> | | | |
| Perry Tate | Jesse F Randolph & GWF Randolph | 1/8 | 17/207 |
| Jesse F Randolph & GWF Randolph | South Penn Oil Company | Assignment | 18/87 |
| South Penn Oil Company | Hope Natural Gas Company | Assignment | 26/133 |
| Hope Natural Gas Company | Consolidated Gas Supply Corporation | Merger | 143/345 |
| Consolidated Gas Supply Corporation | Consolidated Gas Transmission Corporation | Assignment | 135/583 |
| Consolidated Gas Transmission Corporation | CNG Transmission Corporation | Name Change | 332/563 |
| CNG Transmission Corporation | Dominion Transmission Inc | Name Change | 332/570 |
| Dominion Transmission Inc | Consol Energy Holdings LLC | Assignment | 245/1 |
| Consol Energy Holdings LLC | Consol Gas Company | Merger | 292/477 |
| Consol Gas Company | CNX Gas Company LLC | Merger | 293/252 |
| CNX Gas Company LLC | Antero Resources Corporation | Assignment | 400/565 |
| <u>W: Emax Gas Company et al Lease</u> | | | |
| Emax Gas Company et al | Emax Oil Company | 1/8 | 374/184 |
| Emax Oil Company | Antero Resources Corporation | Assignment | 394/182 |

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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.

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 |
|---------------------------------------|------------------------------|------------------------------|------------|-----------|
| X Stanley E. Davis et ux Lease | Stanley E. Davis et ux | James F Scott | 1/8 | 91/533 |
| | James F Scott | William Randolph Scott Trust | Assignment | 137/77 |
| | William Randolph Scott Trust | Emax Oil Company | Assignment | 191/368 |
| | Emax Oil Company | Antero Resources Corporation | Assignment | 342/346 |

***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.**

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: Tim Rady
 Its: Senior VP of Operations



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Modification Horizontal H6A Well Work Permit (47-017-06933, 47-017-06934, 47-017-06935, 47-017-06936, 47-017-06939)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Wed, Oct 5, 2022 at 7:34 AM

To: Mallory Stanton <mstanton@anteroresources.com>, Diane Blair <dblair@anteroresources.com>, Dani DeVito <ddevito@shalepro.com>, David Sponaugle <dsponaug@assessor.state.wv.us>, "Ward, Samuel D" <samuel.d.ward@wv.gov>, "Blevins, Cragin" <cragin.blevins@wv.gov>

I have attached a copy of the newly issued well [permit](#) number(s). This will serve as your copy.

47-017-06933 - PETER UNIT 1H
47-017-06934 - PETER UNIT 2H
47-017-06935 - PETER UNIT 3H
47-017-06936 - PETER UNIT 4H
47-017-06939 - TRAINER UNIT 1H

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE






Charleston, WV 25304

(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

5 attachments

-  **47-017-06934 - mod.pdf**
1923K
-  **47-017-06935 - mod.pdf**
1936K
-  **47-017-06936 - mod.pdf**
1949K
-  **47-017-06939 - mod.pdf**
2272K
-  **47-017-06933 - mod.pdf**
1986K