

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, January 18, 2022
PERMIT MODIFICATION APPROVAL
New Drill / Modification/ Lateral Extension

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET DENVER, CO 80202

Re:

Permit Modification Approval for TRADER UNIT 1H

47-103-03459

Extending Lateral

ANTERO RESOURCES CORPORATION

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

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

Operator's Well Number: TRADER UNIT 1H

Farm Name: ANTERO RESOURCES CORPORATION

U.S. WELL NUMBER: 47-103-03459

New Drill Modification/ Lateral Extension

Date Modification Issued: 01/18/2022

Promoting a healthy environment.



December 30, 2021

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

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

Mr. Brewer:

Antero Resources Corporation (Antero) would like to submit the following permit modifications for approved well on the existing Journeyman Pad: Trader Unit 1H & 2H (47-103-03459-00 & 47-103-03460-00) Expedited.

2 EXP.

Attached you will find the following:

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

RECEIVED Office of Oil and Gas

JAN 4 2021

WV Department of Environmental Protection

CYLL SOUND ON THE SOUND OF THE

If you have any questions please feel free to contact me at (303) 357-7182.

Thank you in advance for your consideration.

Sincerely,

Mallory Stanton Permitting Supervisor

Antero Resources Corporation

Enclosures

01/21/2022



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

| WELL WORK PERMIT ATTERMITES |
|--|
| 1) Well Operator: Antero Resources Corporal 494507062 103-Wetzel Green Pine Grove 7.5" Operator ID County District Quadrangle County Count |
| 2) Operator's Well Number: Trader Unit 1H Well Pad Name: JourneyMarr ad |
| 2) Operator's Well Number: |
| 4) Elevation, current ground V Oil X Underground Storage |
| 5) Well Type (a) Gas 2 |
| Other (b) If Gas Shallow X Deep |
| (b)If Gas Shallow X Beep Horizontal X |
| 6) Existing Pad: Yes or No No No 7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s): Marcellus Shale: 7400' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2850# |
| Marcellus Shale: 7400 170, Antidipers |
| 8) Proposed Total Vertical Depth: 7,400' Marcellus |
| 9) Formation at Total vertical Bopus |
| 10) Proposed Total Wedshies 2-1 |
| 11) Proposed Holizontal Edg 200g |
| 12) Approximate Fresh Water Strata Deptilis. |
| 13) Method to Determine Fresh Water Depths: 103-00326, Depths have been as 13 (reference well 103-00326) |
| Caltivator Denths: 1,042 (Telefolio Wall 1 |
| 14) Approximate Sattwater Depths: 960' (reference well 103-30927) 15) Approximate Coal Seam Depths: 960' (reference well 103-30927) None anticipated |
| 15) Approximate Coal Seam Depths. See Visual Seam Depths. See Visual Seam Depths. None anticipated 16) Approximate Depth to Possible Void (coal mine, karst, other): None anticipated |
| 17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No X |
| (a) If Yes, provide Mine Info: Name: |
| Depth: |
| Seam: |
| Owner: |

API NO. 47-103 - 03459 MOD

OPERATOR WELL NO. Trader Unit 1H

Well Pad Name: Journeyman Pad

CASING AND TUBING PROGRAM

| 10) | | | CAS | ING AND TEL | | | |
|--|--------------|-------------------|------------------------|------------------------|-------------------------------|-------------------|---|
| 18) | | | | | | INTERVALS: | CEMENT: |
| TYPE | Size (in) | New or Used | Grade | Weight per ft. (lb/ft) | FOOTAGE: For Drilling (ft) | Left in Well (ft) | Fill-up (Cu. Ft.)/CTS CTS, 77 Cu. Ft. |
| Conductor | 20" | New | H-40 | 94# | 80 300 | 300 / | CTS, 313 Cu. Ft. |
| The state of the s | 13-3/8 | | J/K-55 | 11 | 2500 | 2500 / | CTS, 1018 Cu. Ft. |
| Coal | 9-5/8 | New | J/K-55 | 3011 | | -7000 | CTS, 5372 Cu. Ft. |
| Intermediate | | 11 | PY-110 | 23# | 25000 | 25000 - | C13, 3372 531 |
| Production | 5-1/2 | | Contract of the second | . = 11 | | | |
| Tubing | 2-3/8 | New | N-80 | 4.7# | | | |
| Liners | | | | | | | CB 1 -2 |

| ГҮРЕ | Gi (in) | Wellbore | Wall Thickness | Burst Pressure (psi) | Anticipated Max. Internal Pressure (psi) | Cement Type | <u>Cement</u> <u>Yield</u> (cu. ft./k) |
|--------------|-----------|----------------|-------------------|----------------------|--|---------------------|--|
| | Size (in) | Diameter (in) | (in) | 1530 | 50 | Class A | ~1.18 |
| Conductor | 20" | 24" | 0.438" | 2730 | 1000 | Class A | ~1.18 |
| Fresh Water | 13-3/8 | 17-1/2" | 0.380" | | 1500 | Class A | ~1.18 |
| Coal | 9-5/8 | 12-1/4" | 0.352" | 3520 | 1000 | | |
| Intermediate | | | - 4451 | 12,630 | 9300 | | |
| Production | 5-1/2 | 8-3/8"& 8-1/2" | | | - | Lead-H/POZ & Tail-H | H/POZ-1.44 & H-1. |
| Tubing | 2-3/8 | 4.778" | 0.190" | 11,200 | | | |
| Liners | | | | | | | |

PACKERS

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

| WW-6B | |
|---------|--|
| (10/14) | |

API NO. 47-103 - 03459 MOD OPERATOR WELL NO. Trader Unit 1H Well Pad Name: Journeyman Pad

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.

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): 33.53
- 22) Area to be disturbed for well pad only, less access road (acres): 7.3
- 23) Describe centralizer placement for each casing string:

Surface Casing: One centralizer 10' above the float shoe and one every 4th joint spaced up the hole to surface. Intermediate Casing: One centralizer above float joint, one centralizer 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 cement. Surface Casing: Class A cement with 2-3% calcium chloride and 1/4 lb of flake. Production Casing 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 Casing Tail Cement: Class H + 45 PPS Calcium Carbonate + 1.0% Flake + 0.2% ACGB-47 + 0.05% ACSA-51 + 0.2% ACR-20.

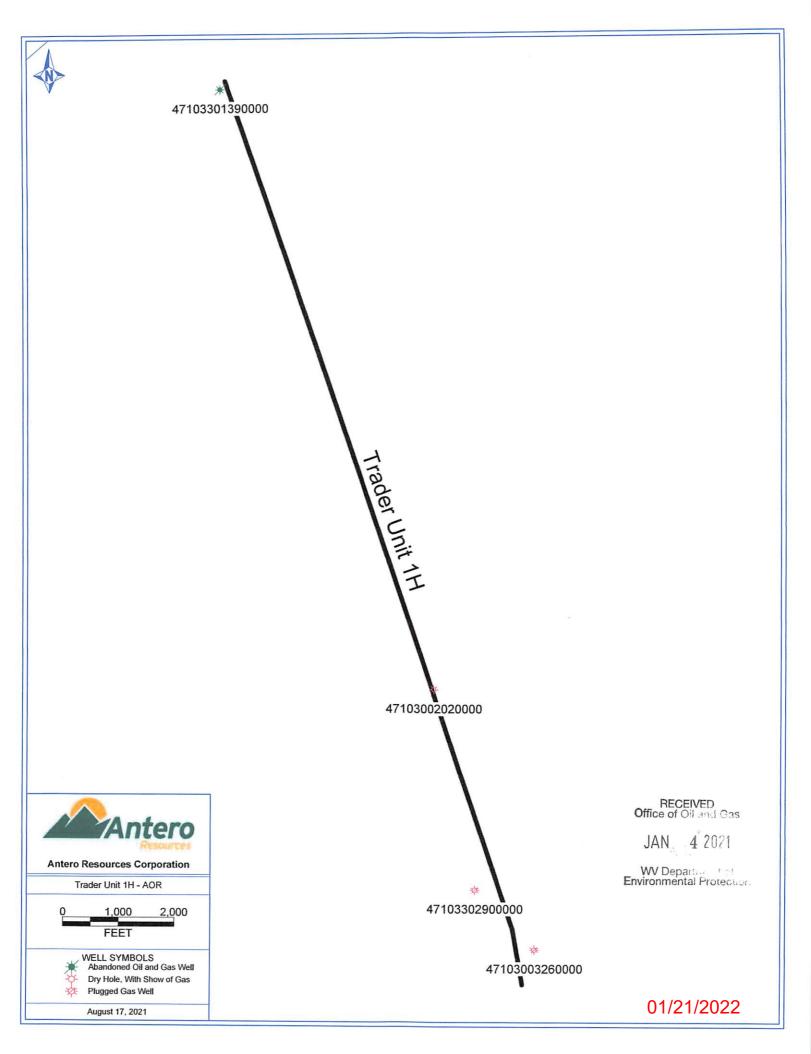
25) Proposed borehole conditioning procedures:

Surface: blowhole clean with air, trip to conductor shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate pipe Conductor: blowhole clean with air, run casing, 10 bbls fresh water. 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

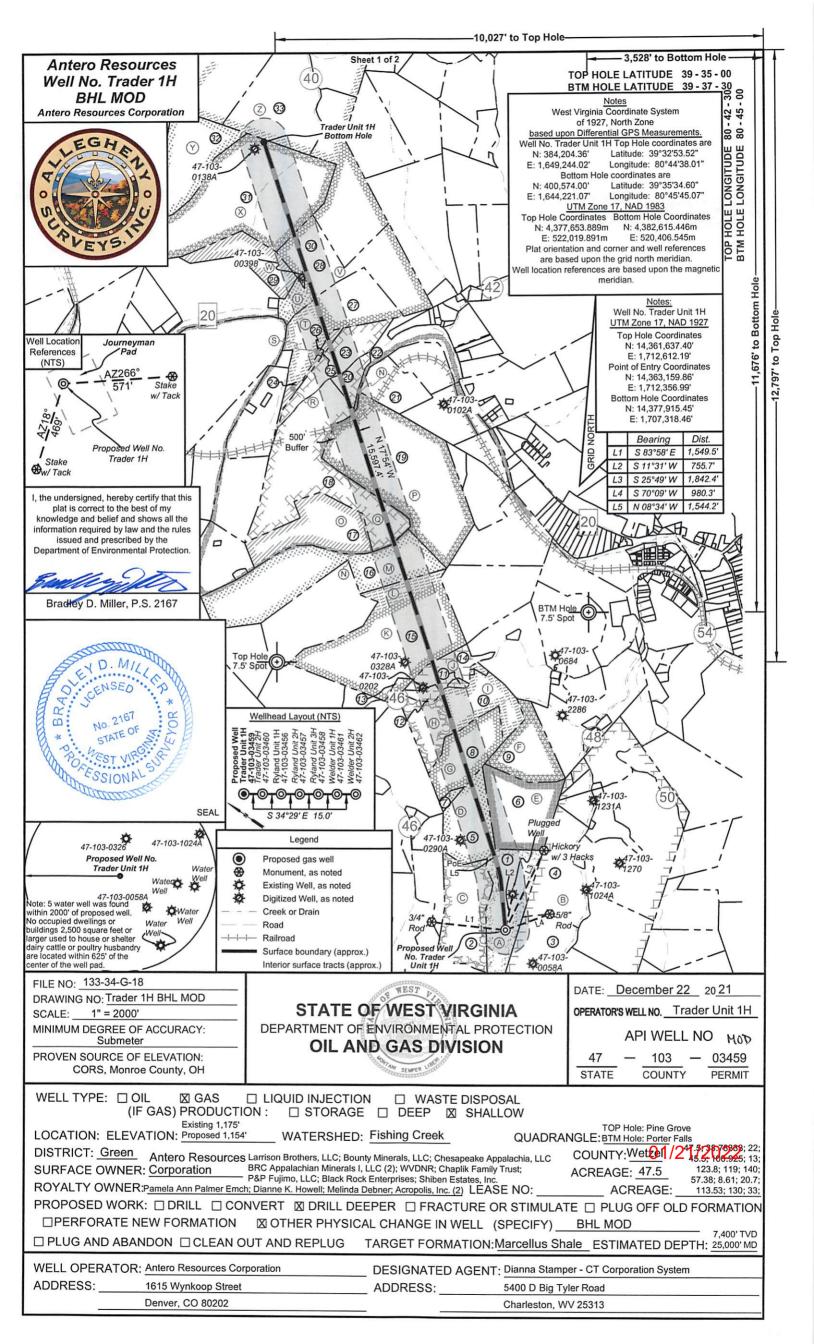
40 bbls brine water followed by 10 bbls fresh water and 25 bbls bentonite mud, pump 10 bbls fresh water.

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.



| UWI (APINum) | Well Name | Well Number | Operator | Historical Operator | TD | Perforated Interval (shallowest, deepest) | Perforated Formation(s) | Producible Formation(s) not perf'd |
|----------------|------------------|-------------|----------------------|---------------------|-------|---|-----------------------------|------------------------------------|
| 47103301390000 | J M ANDERSON | 1 | MOUNTAIN IRON&SUP | MOUNTAIN IRON&SUP | 3,040 | | Big Injun, Gordon | Weir, Benson, Alexander |
| 47103002020000 | Unknown | Unknown | Unknown | Unknown | 3,022 | | Gordon | Weir, Benson, Alexander |
| 47103302900000 | LUCINDA RICHMOND | 1343 | HOPE NATURAL GAS | HOPE NATURAL GAS | 2,906 | | 3rd Salt, Big Injun, Gordon | Weir, Benson, Alexander |
| 47103003260000 | FOX | 5440 | DOMINION TRANSMISION | HOPE NATURAL GAS | 2,108 | | Big Injun, Gordon | Weir, Benson, Alexander |



Antero Resources Well No. Trader 1H BHL MOD

Antero Resources Corporation



| _ | |
|---|---------------------------------|
| | Leases |
| Α | Pamela Ann Palmer Emch |
| В | William R. Stalnaker |
| С | BRC Appalachian Minerals I, LLC |
| ۵ | Dianne K. Howell |
| ш | David E. Bowyer |
| F | Acropolis, Inc. |
| G | Melinda Debner |
| Τ | Acropolis, Inc. |
| 1 | Acropolis, Inc. |
| J | Acropolis, Inc. |
| K | P & P Fujimo, LLC |
| L | Black Rock Enterprises |
| М | Shiben Estates, Inc. |
| Ν | WVDNR |
| 0 | Chesapeake Appalachia, LLC |
| Р | BRC Appalachian Minerals I, LLC |
| Q | Bounty Minerals, LLC |
| R | Chaplik Family Trust |
| s | Wetzel County Public |
| 3 | Service District No.1 |
| Т | Larrison Brothers, LLC |
| U | Joyce A. Roberts |
| ٧ | BRC Appalachian Minerals I, LLC |
| W | John S. Starkey |
| Х | Chesapeake Appalachia, LLC |
| Υ | Bernard E. Willey, et ux |
| Z | Linda Headlee Malone, et vir |

| ID | TM/Par | Owner | Bk/Pg | Acres |
|----|---------|---|---------|--------|
| 1 | 16-26 | Antero Resources Corporation | 474/713 | 47.50 |
| 2 | 16-25 | Antero Resources Corporation | 474/713 | 39.00 |
| 3 | 17-22 | Perry D. Bucher | 411/759 | 37.65 |
| 4 | 17-58 | Pennie Baker | 411/735 | 42.41 |
| 5 | 16-15 | Donald L. Smith II, et ux | 451/925 | 36.45 |
| 6 | 16-16 | Donald L. Smith II, et ux | 451/925 | 60.75 |
| 7 | 16-12 | Donald L. Smith II, et ux | 451/925 | 2.30 |
| 8 | 16-4 | Donald L. Smith II, et ux | 451/925 | 38.00 |
| 9 | 16-13 | Donald L. Smith II, et ux | 451/925 | 35.00 |
| 10 | 13-67 | Gerold F. & Debra D. Richard | 398/544 | 63.27 |
| 11 | 13-67.3 | Dana Stuart Straight | 368/19 | 1.42 |
| 12 | 13-67.2 | Floyd M. Amos Est. | W66/309 | 5.00 |
| 13 | 13-41.1 | Albert D. & Michelle D. Hornbeck | 357/701 | 2.92 |
| 14 | 13-67.5 | Julie A. & Aaron E. Hinderman | 398/322 | 16.44 |
| 15 | 13-41 | Shari D. Burgess | 432/665 | 95.08 |
| 16 | 13-27 | Donald P. Vandyke & Mark L. Vandyke | 410/241 | 123.80 |
| 17 | 12-58 | Donald P. Vandyke & Mark L. Vandyke | 425/472 | 46.00 |
| 18 | 12-33 | Kevin E. & Carol L. Cunningham | 397/533 | 84.68 |
| 19 | 13-18 | Coastal Forest Resources Co. | 444/105 | 119.00 |
| 20 | 13-1 | Randy W. LeMasters | 406/16 | 4.25 |
| 21 | 13-2 | Dwain Ray Brown | 421/897 | 19.75 |
| 22 | 8-38.9 | H. Dorn Higginbotham & Janet L. Workman Higginbotham | 363/197 | 5.00 |
| 23 | 12-33.2 | Kevin E. & Carol L. Cunningham | 411/185 | 28.61 |
| 24 | 12-13 | John & Barbara Chaplik | 410/256 | 8.61 |
| 25 | 12-33.1 | Wetzel County Public Service District | 362/207 | 0.24 |
| 26 | 12-13.1 | Wetzel County Public Service District | 362/209 | 0.15 |
| 27 | 8-47 | Larrison Brothers, LLC | 417/100 | 53.62 |
| 28 | 8-29 | James L. Scott, Sr., et al | 431/50 | 64.76 |
| 29 | 8-45 | John Gregory Starkey | 450/315 | 28.00 |
| 30 | 8-29.1 | E.G. Morgan | 180/136 | 6.00 |
| 31 | 8-25 | Jody Kay Rine, et al | 435/542 | 130.00 |
| 32 | 8-24 | Bernard Ely & Carolyn S. Willey | 347/42 | 47.50 |
| 33 | 8-20.3 | Brent A. & Amy S. Boram | 427/802 | 62.60 |

FILE NO: 133-34-G-18

DRAWING NO: Trader 1H BHL MOD

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:
Submeter

PROVEN SOURCE OF ELEVATION:
CORS, Monroe County, OH

WELL TYPE: OIL GAS LIQUID INJECT

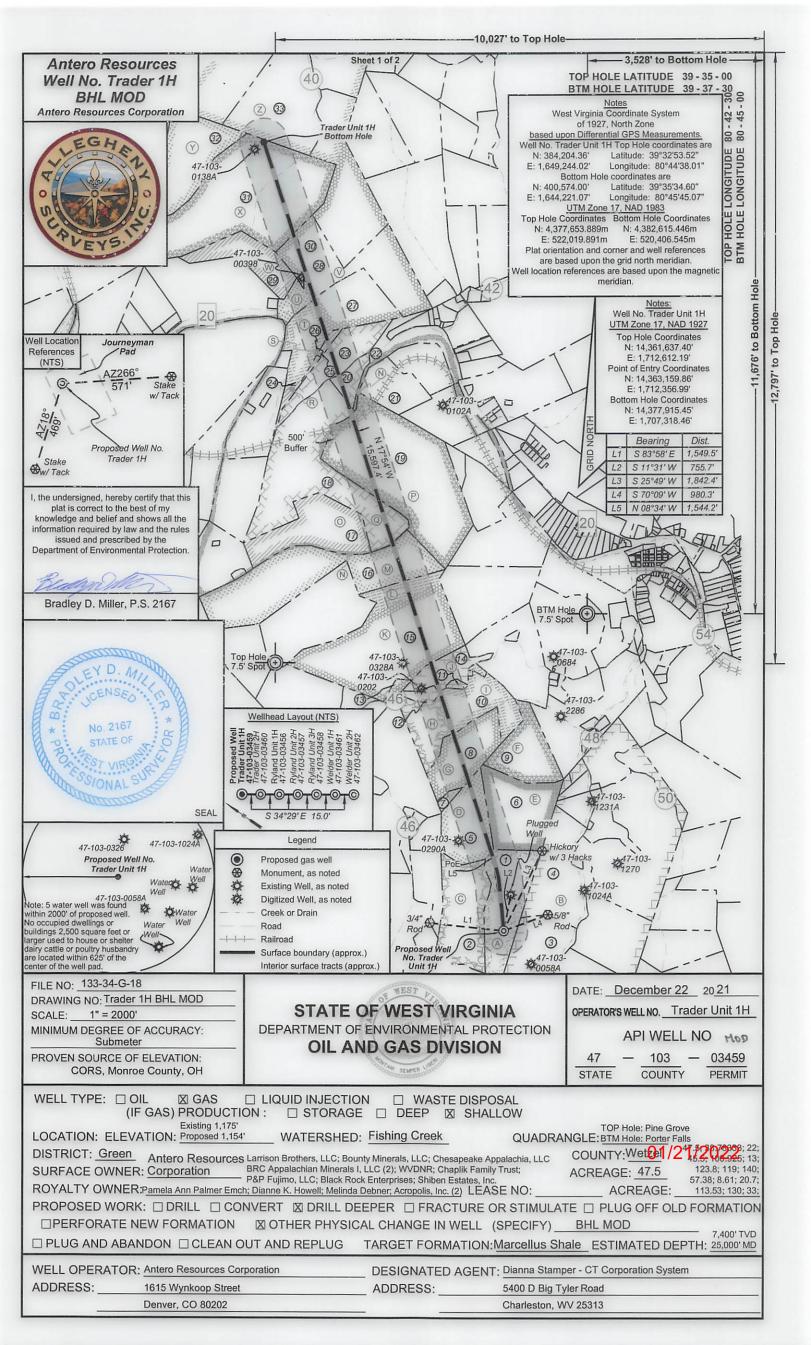
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION

DATE: <u>December 22</u> 20 21

OPERATOR'S WELL NO. Trader Unit 1H

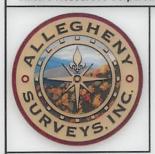
API WELL NO MOD

| Submeter | OIL AND GAS DIVISION | 2 0 0 0 0 |
|---|---|---|
| PROVEN SOURCE OF ELEVATION: | the act of the | 47 — 103 — 03459 |
| CORS, Monroe County, OH | 44 SEMPER LINE | STATE COUNTY PERMIT |
| SURFACE OWNER: Corporation ROYALTY OWNER: Pamela Ann Palmer Emo PROPOSED WORK: DRILL CO PERFORATE NEW FORMATION | WATERSHED: Fishing Creek QUADI GLARISON Brothers, LLC; Bounty Minerals, LLC; Chesapeake Appalachia, LLC BRC Appalachian Minerals I, LLC (2); WVDNR; Chaplik Family Trust; P&P Fujimo, LLC; Black Rock Enterprises; Shiben Estates, Inc. h; Dianne K. Howell; Melinda Debner; Acropolis, Inc. (2) LEASE NO: NVERT DRILL DEEPER FRACTURE OR STIMUL | ACREAGE: 47.5 123.8; 119; 140; 57.38; 8.61; 20.7; 113.53; 130; 33; 20.4 PLUG OFF OLD FORMATION BHL MOD 7,400' TVD |
| WELL OPERATOR: Antero Resources Co. | rporation DESIGNATED AGENT: Dianna Sta | amper - CT Corporation System |
| ADDRESS: 1615 Wynkoop Street | ADDRESS: 5400 D Big | g Tyler Road |
| Denver, CO 80202 | Charlestor | , WV 25313 |



Antero Resources Well No. Trader 1H BHL MOD

Antero Resources Corporation



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| 16 | 13-27 | Donald P. Vandyke & Mark L. Vandyke | 410/241 | 123.80 |
| 17 | 12-58 | Donald P. Vandyke & Mark L. Vandyke | 425/472 | 46.00 |
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PROVEN SOURCE OF ELEVATION:
CORS, Monroe County, OH

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

DATE: December 22 2021

OPERATOR'S WELL NO. Trader Unit 1H

API WELL NO MOD

47 — 103 — 03459 STATE COUNTY PERMIT

| WELL TYPE: □ OIL XI GAS □ LIQUID INJECTION □ WASTE DISPOSAL | |
|---|---|
| (IF GAS) PRODUCTION : ☐ STORAGE ☐ DEEP ☒ SHALLOW | |
| SURFACE OWNER: Corporation BRC Appalacinal milinearis I, LLC (2), WVDINA, Chapita Falling Most, ACREAGE. 47.5 | 2333; 22; 2925; 13; 119; 140; 3.61; 20.7; 3; 130; 33; |
| PROPOSED WORK: □ DRILL □ CONVERT ☒ DRILL DEEPER □ FRACTURE OR STIMULATE □ PLUG OFF OLD FORM | MOITAN |
| □PERFORATE NEW FORMATION ☑ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD | 400' TVD |
| □ PLUG AND ABANDON □ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 25 | ,000' MD |
| WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System | |
| ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road | |
| Denver, CO 80202 Charleston, WV 25313 | |

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 |
|---|--|---|--|---|
| Å | Pamala Ann Palmer Emch Lease Pamala Ann Palmer Emch Chesapeake Appalachia LLC SWN Production Company Antero Exchange Properties, Inc | Chesapeake Appalachia LLC SWN Production Company Antero Exchange Properties, Inc Antero Resources Corporation | 1/8+ Assignment Assignment Merger | 129A/0350 157A/0540 177A/0533 0013/0311 |
| P | <u>Dianne K. Howell Lease</u> Dianne K. Howell | Antero Resources Corporation | 1/8+ | 187A/0833 |
| G | Melinda Debner Lease Melinda Debner | Antero Resources Corporation | 1/8+ | 190A/0714 |
| T | Acropolis Inc. Lease Acropolis Inc. | Antero Resources Corporation | 1/8+ | 179A/0358 |
| ٨ | Acropolis Inc. Lease Acropolis Inc. | Antero Resources Corporation | 1/8+ | 179A/0355 |
| K | P & P Fujimo, LLC Lease P & P Fujimo, LLC | Antero Resources Corporation | 1/8+ | 179A/0606 |
| L | Black Rock Enterprises Lease Black Rock Enterprises | Antero Resources Corporation | 1/8+ | 203A/0933 |
| M | Shiben Estates, Inc. Lease Shiben Estates, Inc. | Antero Resources Corporation | 1/8+ | 174A/0062 |
| Q | Bounty Minerals, LLC Lease Bounty Minerals, LLC | Antero Resources Corporation | 1/8+ | 188A/0511 |
| 9 | BRC Appalachian Minerals I LLC Lease BRC Appalachian Minerals I LLC BRC Working Interest Company LLC Chesapeake Appalachia LLC SWN Production Company Antero Exchange Properties LLC | BRC Working Interest Company Chesapeake Appalachia LLC SWN Production Company Antero Exchange Properties LLC Antero Resources Corporation | 1/8 Assignment Assignment Assignment Merger | 102A/505 103A/470 157A/540 177A/533 13/311 |
| 5 | Wetzel County Public Service District No 1 Lease Wetzel County Public Service District No 1 | Antero Resources Corporation | 1/8+ | 193A/10 |
| T | <u>Larrison Brothers LLC Lease</u> Larrison Brothers LLC | Antero Resources Corporation | 1/8+ | 274A/595 |

Operator's Well Number

Trader Unit 1H MOD

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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- (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 |
|---|--|---|---|--|
| | | | | |
| υ | Joyce S Roberts Lease Joyce S Roberts | Antero Resources Corporation | 1/8+ | 219A/926 |
| 1 | BRC Appalachian Minerals I LLC Lease BRC Appalachian Minerals I LLC BRC Working Interest Company LLC Chesapeake Appalachia LLC SWN Production Company Antero Exchange Properties LLC | BRC Working Interest Company Chesapeake Appalachia LLC SWN Production Company Antero Exchange Properties LLC Antero Resources Corporation | 1/8 Assignment Assignment Assignment Merger | 102A/505 103A/470 157A/540 177A/533 13/311 |

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 I 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 Chesapeake Appalachian LLC Lease

Chesapeake Appalachia LLC SWN Production Company LLC Antero Exchange Properties LLC Statoil USA Onshore Properties Inc Antero Exchange Properties LLC Antero Resources Corporation Assignment Assignment Merged 120A/109 177A/533 13/311

*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

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: | Vice President - Land |

Page 1 of _____



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

Expedited Horizontal H6A Well Work Permit API: (47-103-03459)

1 message

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

Wed, Jan 19, 2022 at 10:15 AM

To: Mallory Stanton <mstanton@anteroresources.com>, Dani DeVito <ddevito@shalepro.com>, mhamsher@anteroresources.com, "Harris, Bryan O" <bryan.o.harris@wv.gov>, Scott Lemley <slemley@wvassessor.com>

I have attached a copy of the newly issued well permit number. This will serve as your copy.

47-103-03459 - TRADER 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

