

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

PERMIT MODIFICATION APPROVAL

July 08, 2015

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET DENVER, CO 80202

Re: Permit Modification Approval for API Number 8510172, Well #: PRITCHARD UNIT 2H

Move top hole, extend lateral

Oil and Gas Operator:

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.

Please call James Martin at 304-926-0499, extension 1654 if you have any questions.

Gene Smith

Sincerely.

Assistant Chief of Permitting

Office of Oil and Gas



June 1, 2015

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

Received Office of Oil & Gas

JUN 0 3 2015

West Virginia Department of Environmental Protection Office of Oil and Gas Attn: Ms. Melanie Hankins 601 57th Street Charleston, WV 25304

Ms. Melanie Hankins:

Antero Resources Corporation (Antero) would like to submit the following permit modifications for two wells on the Ireland North Pad. We are requesting to slightly change the surface hole locations of the Pritchard Unit 2H (API# 47-085-10172) and Pritchard Unit 3H (API# 47-085-10173). In addition, we are requesting to extend the horizontal lateral length of the Pritchard Unit 2H only, which will change the bottom hole location.

Attached you will find the following documents for each well modification:

- REVISED Mylar Plat, which shows the new surface and bottom hole location (Pritchard Unit 2H)
- > REVISED Form WW-6B, which shows the revised MD and Production Casing/Cement program (Pritchard Unit 2H)
- > REVISED Mylar Plat, which shows the new surface hole location (Pritchard Unit 3H)
- > REVISED Form WW-6A, 6AC and 6A5
- > Certified Mail Receipts to Surface and Water Source Owners
- > REVISED Form WW-6A1, which shows the new leases we will be drilling into

If you have any questions please feel free to contact me at (303) 357-7323.

Thank you in advance for your consideration.

Sincerely,

Ashlie Steele

Permitting Supervisor

Antero Resources Corporation

shlie Steele.

Enclosures

API NO. 47- 085 - 10172

OPERATOR WELL NO. Pritchard Unit 2H

Well Pad Name: Ireland North Pad

API# 47-085-10172 PERMIT MODIFICATION

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

| 1) Well Operator: At | ntero Resources | Corporat | 494488557 | 085- Ritchie | Union | Pullman 7.5' |
|---|--|------------|-------------------------|----------------------------------|---------------------|-----------------------------|
| | | | Operator ID | County | District | Quadrangle |
| 2) Operator's Well Nu | ımber: Pritchard | Unit 2H | Well Pac | l Name: Irelan | d North Pa | ad |
| 3) Farm Name/Surfac | e Owner: Ireland, | Lynwood, | et al Public Roa | d Access: CR | 9 | |
| 4) Elevation, current g | ground: ~951' | Ele | evation, proposed | post-construction | on: 947' | |
| 5) Well Type (a) Ga Other | - | _ Oil | Unde | erground Storag | ge | |
| (b)If (| Gas Shallow Horizontal | X | Deep | | | |
| 6) Existing Pad: Yes | or No No | | | | | |
| Proposed Target For Marcellus Shale: 65 | Commence of the Commence of th | 37.60 | • | The second section in the second | | |
| 8) Proposed Total Ver | tical Depth: 650 | 0' TVD | | | | |
| 9) Formation at Total | Vertical Depth: | Marcellus | Shale | | | |
| 10) Proposed Total M | easured Depth: | 16100' MI | O' | | | |
| 11) Proposed Horizon | tal Leg Length: | 8709' | | | | |
| 12) Approximate Fres | h Water Strata De | pths: | 69', 279', 359' | | | |
| 13) Method to Determ | nine Fresh Water I | Depths: | offset well records. De | oths have been adj | usted accord | ling to surface elevations. |
| 14) Approximate Salt | water Depths: 14 | 51, 1807' | | | | |
| 15) Approximate Coa | l Seam Depths: 3 | 43' | | | | |
| 16) Approximate Dep | th to Possible Voi | d (coal mi | ne, karst, other): | None anticipat | ed | |
| 17) Does Proposed we directly overlying or a | | | ns Yes | Na | ečeived of Oil 8 | . Gas |
| (a) If Yes, provide N | Mine Info: Name | : | | Office | of Oll o | AE. |
| | Depth | 1 | | J | NN 03 50 | 13 |
| | Seam: | | | | | |
| | Owne | r: | | | | |

API NO. 47- 085 - 10172

OPERATOR WELL NO. Pritchard Unit 2H

Well Pad Name: Ireland North Pad

API# 47-085-10172 PERMIT MODIFICATION

18)

CASING AND TUBING PROGRAM

| TYPE | Size (in) | New or Used | Grade | Weight per ft. (lb/ft) | FOOTAGE: For Drilling (ft) | INTERVALS: Left in Well (ft) | CEMENT: Fill-up (Cu. Ft.)/CTS |
|--------------|--------------|-------------------|-----------|------------------------|----------------------------|------------------------------------|-------------------------------------|
| Conductor | 20" | New | H-40 | 94# | 40' | 40' | CTS, 38 Cu. Ft. |
| Fresh Water | 13-3/8" | New | J-55/H-40 | 54.5#/48# | 410' | 410' | CTS, 570 Cu. Ft |
| Coal | 9-5/8" | New | J-55 | 36# | 2460' | 2460' | CTS, 1002 Cu. Ft. |
| Intermediate | | | | | | | |
| Production | 5-1/2" | New | P-110 | 20# | 16100' | 16100' | 4032 Cu. Ft. |
| Tubing | 2-3/8" | New | N-80 | 4.7# | | 7100' | |
| Liners | | | | | | | |

| ТҮРЕ | 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" | 24" | 0.438" | 1530 | 50 | Class A | 1.18 |
| Fresh Water | 13-3/8" | 17-1/2" | 0.38"/0.33" | 2730/1730 | 1000 | Class A | 1.18 |
| Coal | 9-5/8" | 12-1/4" | 0.352" | 3520 | 1500 | Class A | 1.18 |
| Intermediate | 70- | | | | | | |
| Production | 5-1/2" | 8-3/4" & 8-1/2" | 0.361" | 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 | heuris |
|-------------|-----|---------------------|
| Sizes: | N/A | Office of Oil & Gas |
| Depths Set: | N/A | JUN 0 3 2015 |

WW-6B (10/14)

API NO. 47- 085 - 10172

OPERATOR WELL NO. Pritchard Unit 2H

Well Pad Name: Ireland North Pad

API# 47-085-10172 PERMIT MODIFICATION

| 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): 28.25 acres

22) Area to be disturbed for well pad only, less access road (acres): 3.56 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 cement.

Surface: Class A cement with 2-3% calcium chloride

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:

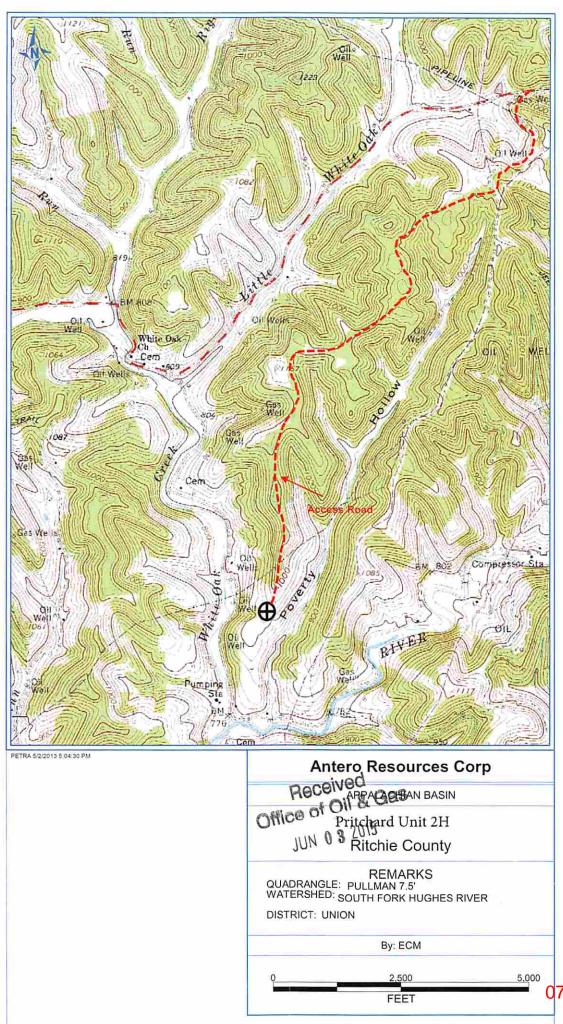
Conductor: blowhole clean with air, run casing, 10 bbls fresh water.

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.

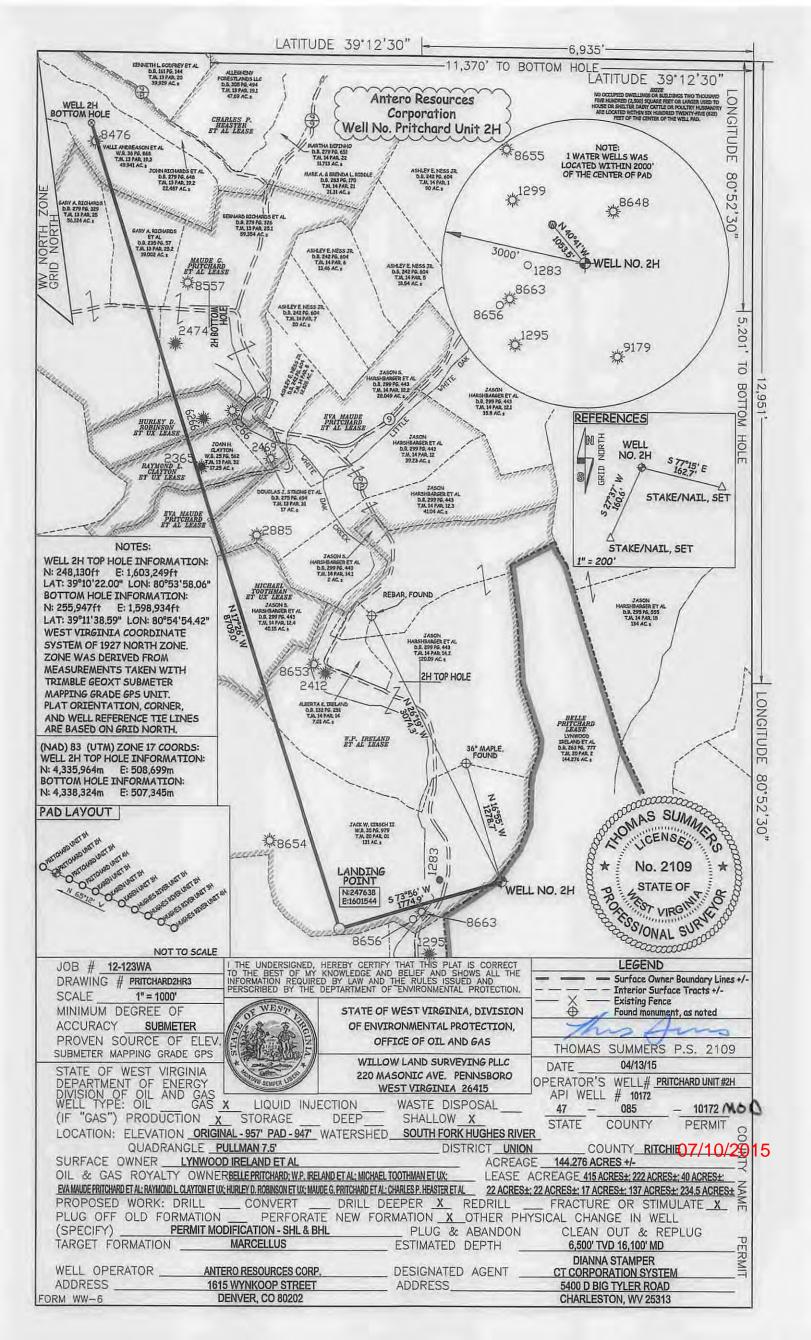
Intermediate: blowhole clean with air, trip to surface casing shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate 40 bbls brine water followed by 10 bbls fresh water and 25 bbls bentonite mud, pump 10 bbls fresh water.

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.



07/10/2015



Operator's Well Number

Pritchard Unit 2H

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 |
|--|--|---|----------------------|
| Belle Pritchard Lease | | | |
| Belle Pritchard | Ritchie A. Ireland | 1/8 | 0079/0019 |
| Ritchie A. Ireland | S. M. Vokel, et al | Assignment | 0080/0386 |
| S. M. Vokel, et al | Warren Associates, Inc. | Assignment | 0126/0464 |
| Warren Associates, Inc. | Haught, Inc. | Affidavit | 0170/0461 |
| Haught Oil Producing Corporation (Formerly Haught, Inc.) | 710 Corporation | Assignment | 0180/0791 |
| 710 Corporation | Lynwood K. Ireland | Assignment | 0204/0553 |
| Lynwood K. Ireland | Antero Resources Appalachian Corporation | *Partial Assignment of Oil & Gas Leases | 0255/0652 |
| Antero Resources Appalachian Corporation | Antero Resources Corporation | Name Change | Exhibit 1 |
| W.P. Ireland, et al Lease | | | |
| W.P. Ireland and L.M. Ireland | M. G. Taylor | 1/8 | 0032/0016 |
| M.G. Taylor | Carnegie Natural Gas Company | Assignment | Recited in 0068/0188 |
| Carnegie Natural Gas Company | Coffman Oil and Gas Company | Assignment | 0068/0188 |
| Coffman Oil and Gas Company | United Operating Company, Inc. | Assignment | 0017/0660 |
| United Operating Company, Inc. | Buttes Resources Company | Assignment | 0117/0738 |
| Buttes Resources Company and Inter-City Gas Limited | Earl Stewart | Assignment | 0128/0286 |
| Earl Stewart | JCC | Assignment | 0205/0483 |
| JCC | Key Oil Company | Assignment | 0253/0747 |
| Key Oil Company | Antero Resources Appalachian Corporation | *Partial Assignment of Oil and Gas Leases | 0253/0747 |
| Antero Resources Appalachian Corporation | Antero Resources Corporation | Name Change | Exhibit 1 |
| Michael A. Toothman, et ux Lease | | | |
| Michael A. Toothman et ux | Antero Resources Corporation | 1/8+ | 0272/0589 |
| Eva Maude Pritchard, et al Lease | | . 4- | |
| Eva Maude Pritchard, et al | Vesta Fuel Company | 1/8 | 0093/0601 |
| Vesta Fuel Company | W. H. Mosser | Assignment | 0100/0493 |
| W. H. Mosser | J & J Enterprises, Inc. | Assignment | 0133/0004 |
| J & J Enterprises, Inc. | Term Energy Corporation | Received signment | 0172/0336 |
| Term Energy Corporation | Antero Resources Appalachian Corporation | A CIL & GAS | 0257/0362 |
| Antero Resources Appalachian Corporation | Antero Resources Corporation | CA OT UNAMe change | Exhibit 1 |
| | | Hecelved State Change | |

*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.

Operator's Well Number

Pritchard Unit 2H

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 |
|--------|---|---|------------------------|--|
| Eva M | aude Pritchard, et al Lease | | | |
| Eva M | aude Pritchard, et al | Vesta Fuel Company | 1/8 | 0099/0377 |
| Vesta | Fuel Company | W. H. Mosser | Assignment | 0100/0493 |
| W. H. | Mosser | J & J Enterprises, Inc. | Assignment | 0133/0004 |
| 1&1E | nterprises, Inc. | Term Energy Corporation | Assignment | 0172/0336 |
| Term | Energy Corporation | Antero Resources Appalachian Corporation | Assignment | 0257/0362 |
| Anter | o Resources Appalachian Corporation | Antero Resources Corporation | Name Change | Exhibit 1 |
| / | ond L. Clayton, et ux Lease ond L. Clayton, et ux | Chase Petroleum, Inc. et al | 1/8 | 0138/0444 |
| Chase | Petroleum, Inc. et al | Antero Resources Appalachian Corporation | Assignment | 0254/0133 |
| Anter | o Resources Appalachian Corporation | Antero Resources Corporation | Name Change | Exhibit 1 |
| Hurley | y D. Robinson, et ux Lease | | _ | 4 |
| Hurley | D. Robinson, et ux | C.A. Stricklen | 1/8 Recei | VOO 0093/0159 |
| C.A. S | tricklen | Big A Corporation | Assignment | 711 & G&\$52/0591 |
| Big A | Corporation | Lamar Oil & Gas Company, Inc. | Assignmentice OI | 0196/0320 |
| | Oil & Gas Company, Inc. | Antero Resources Appalachian Corporation | Assignment | 2015 0255/0893 |
| Anter | o Resources Appalachian Corporation | Antero Resources Corporation | Name Change JUN U | 0093/0159 011 & G2852/0591 0196/0320 0255/0893 Exhibit 1 |
| ✓ Maud | e G. Pritchard, et al Lease | | | |
| Maud | G. Pritchard, et al | Southwestern Dev. Co. | 1/8 | 0092/0547 |
| | western Development Company | Billings Kirk Ruddock UDT February 23, 1972 | Assignment | 0190/0718 |
| _ | s Kirk Ruddock UDT February 23, 1972 | Adena Petroleum, Inc. | Assignment | 0212/0273 |
| | Petroleum, Inc. | Lippizan Petroleum, Inc. | Assignment | 0222/0152 0255/0591 |
| | an Petroleum, Inc. o Resources Appalachian Corporation | Antero Resources Appalachian Corporation Antero Resources Corporation | Assignment Name Change | 0255/0591 Exhibit 1 |
| Airei | o nesources Appaiachail corporation | Antero Resources corporation | ranic onango | |

^{*}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.

API# 47-085-10172 PERMIT MODIFICATION

WW-6A1 (5/13)

| Operator's Well No. | Pritchard Unit 2H | |
|---------------------|-------------------|--|
|---------------------|-------------------|--|

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:

| 1 | Number | Grantor, Lessor, etc. | Grantee, Lessee, etc. | Royalty | Book/Page |
|-------|-------------------------|--|------------------------------------|------------------------------------|-----------|
| Charl | es P. Heaster, et al Le | case Charles P. Heaster, et al | Key Oil Company | 1/8 | 0223/0141 |
| | | Key Oil Company | Antero Resources Appalachian Corp. | *Partial Assignment | 0190/0718 |
| | | Antero Resources Appalachian Corporation | Antero Resources Corporation | of Oil & Gas Leases Name Change | Exhibit 1 |

*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

Received
Office of Oil & Garage
JUN 0 3 2015

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: Kevin Kilstrom

VP of Production

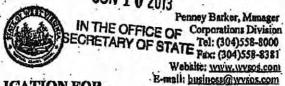
VP of Production

FORM WW-6A1 EXHIBIT 1

FILED

Natalic E. Tennant Secretary of State 1900 Kanawha Bivd E Bldg 1, Suite 157-K Charleston, WV 25305

FILE ONE ORIGINAL (Two if you want a filed stamped copy returned to you) FEE: \$25,00



APPLICATION FOR AMENDED CERTIFICATE OF AUTHORITY

Office Hours: Monday - Friday 8:30 a.m. - 5:00 p.m. ET

*** In accordance with the provisions of the West Virginia Code, the undersigned corporation hereby ****
applies for an Amended Certificate of Authority and submits the following statement:

| 1. | Name under which the corporation was authorized to transact business in WV: | Antero Resources Appelachian Corporation |
|----|--|---|
| 2. | Date Certificate of Authority was issued in West Virginia: | 6/25/2008 |
| 3. | Corporate name has been changed to: (Attach one <u>Certified Copy of Name Change</u> as filed in home State of incorporation.) | Antero Resources Corporation |
| 4. | Name the corporation elects to use in WV: (due to home state name not being available) | Antero Resources Corporation |
| 5. | Other amendments: (attach additional pages if necessary) | |
| | | |
| | | |
| | 4 | Hecel |
| 6. | Name and phone number of contact person. (the filing, listing a contact person and phone nun document.) | This is optional, however, if there is a problem with other may avoid having to return or reject the |
| 6. | Name and phone number of contact person. (the filing, listing a contact person and phone nun document.) Alvyn A. Schopp | (303) 357-7310 |
| | | This is optional, however, if there is a problem with nber may avoid having to return or reject the JUN 0 |
| | Alvyn A. Schopp | This is optional, however, if there is a problem with other may avoid having to return or reject the JUN 0 (303) 357-7310 Phone Number |
| 7. | Alvyn A. Schopp Contact Name | This is optional, however, if there is a problem with other may avoid having to return or reject the JUN 0 (303) 357-7310 Phone Number |
| 7. | Alvyn A. Schopp Contact Name Signature information (See below *Innortant) | This is optional, however, if there is a problem with other may avoid having to return or reject the JUN 0 (303) 357-7310 Phone Number Legal Notice Regarding Signature): |

Issaed by the Office of the Secretary of State

W/1012 - 0416/2017 Waters Kluner Oellas

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE CERTIFICATION

| Date of Notic | ce Certification: 06/02/2015 | | API No. 47- 085 - 10172 | | | | |
|---|---|---|--|---|---|--|--|
| | | | | Operator's | s Well No. Pritch | nard Unit 2H | |
| | | | | Well Pad | Name: Ireland | North | |
| Notice has l | | | | | | | |
| Pursuant to th | ne provisions in West Virginia Coc | de § 22-6A, t | the Operator has pro | ovided the re- | quired parties v | with the Notice Forms listed | |
| | tract of land as follows: | | | H | | | |
| State: County: | West Virginia Ritchie | | UTM NAD 83 | Easting: Northing: | 508699m | | |
| District: | Union | | Public Road Ac | | 4335964m CR 9 | | |
| Quadrangle: | Pullman 7.5' | | Generally used | | Ireland, Lynwood | et al | |
| Watershed: | South Fork Hughes River | | Generally used | raini name. | morality Eyimood | , 51 01 | |
| prescribed by it has provide information re of giving the requirements Virginia Code | West Virginia Code § 22-6A-7(b the secretary, shall be verified and ed the owners of the surface desi- equired by subsections (b) and (c), surface owner notice of entry to of subsection (b), section sixteer e § 22-6A-11(b), the applicant sha- have been completed by the applica- | d shall conta cribed in sul , section sixt survey purs n of this artiall tender pro | tin the following int bdivisions (1), (2) teen of this article; (suant to subsection ticle were waived in | formation: (1 and (4), sub (ii) that the re (a), section n writing by | A certificati section (b), sec equirement was ten of this arti the surface ov | on from the operator that (in etion ten of this article, the deemed satisfied as a resul- cle six-a; or (iii) the notice when; and Pursuant to Wes | |
| that the Ope | West Virginia Code § 22-6A, the rator has properly served the requect ALL THAT APPLY | | | | Certification | OOG OFFICE USE ONLY | |
| ☐ 1. NO | TICE OF SEISMIC ACTIVITY | | TICE NOT REQUI | | | ☐ RECEIVED/ NOT REQUIRED | |
| ■ 2. NO | TICE OF ENTRY FOR PLAT SU | RVEY or | NO PLAT SURV | VEY WAS C | ONDUCTED | ☐ RECEIVED | |
| ☐ 3, NO | TICE OF INTENT TO DRILL (| NOTIC | TICE NOT REQUI E OF ENTRY FOR ONDUCTED or | | | RECEIVED/ NOT REQUIRED | |
| | | | RITTEN WAIVER PLEASE ATTACH | | CE OWNER | | |
| ■ 4. NO | TICE OF PLANNED OPERATIO |)N | | | Rec | AL SECEIVED | |
| ■ 5. PUE | BLIC NOTICE | | | | Office C | Oll & Garage | |
| ■ 6. NO | TICE OF APPLICATION | | | | JUN | RECEIVED | |

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

Telephone:

Certification of Notice is hereby given:

THEREFORE, I Kevin Kilstrom , have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator: Antero Resources Corporation By: Kevin Kilstrom Its: VP of Production

1615 Wynkoop Street Denver, CO 80202 303-357-7315

Facsimile: Email:

Address:

asteele@anteroresources.com

KARA QUACKENBUSH NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20144028297 MY COMMISSION EXPIRES JULY 21, 2018

303-357-7310

Subscribed and sworn before me this 1 day of JUNE 2015.

Notary Public

My Commission Expires JULY 21, 2018

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

> Received Office of Oil & G JUN 0 3 2015

WW-6A (9-13)

API# 47-085-10172 PERMIT MODIFICATION API NO. 47-085

OPERATOR WELL NO. Pritchard Unit 2H

Well Pad Name: Ireland North

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application. Date of Notice: 6/2/2015 Date Permit Application Filed: 6/2/2015 Notice of: PERMIT FOR ANY ☐ CERTIFICATE OF APPROVAL FOR THE WELL WORK CONSTRUCTION OF AN IMPOUNDMENT OR PIT Delivery method pursuant to West Virginia Code § 22-6A-10(b) ☐ PERSONAL ☐ REGISTERED ☑ METHOD OF DELIVERY THAT REQUIRES A SERVICE RECEIPT OR SIGNATURE CONFIRMATION MAIL Pursuant to W, Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the crossion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule. ☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to: ☑ SURFACE OWNER(s) COAL OWNER OR LESSEE Name: NO DECLARATIONS ON RECORD WITH COUNTY Name: Lynwood K. & Karen L. Ireland Address: 342 Ireland Rd. Address: Pullman, WV 26421 COAL OPERATOR Name: Jack W. Kirsch II Address: 958 Holbrook Rd. Name: NO DECLARATIONS ON RECORD WITH COUNTY Pullman, WV 26421 Address: ☑ SURFACE OWNER(s) (Road and/or Other Disturbance) *PLEASE NOTE THE ADDITIONAL SURFACE TRACTS WITH WATER PURVEYOR(s)/OWNER(s) OF WATER WELL, SPRING OR OTHER WATER SUPPLY SOURCE
Name: Jack W. Kirsch II Received
Address: 958 Holbrook Rd.
Pullman, WW26427 DISTURBANCE SHOWN ON PAD DESIGN ARE NOT OVERLYING THE OIL & GAS LEASEHOLD BEING DEVELOPED BY THE PROPOSED WELL, THEREFORE, ARE NOT REQUIRED TO BE NOTIFIED PER WV CODE 22-6A-10. ANTERO HAS SECURED SIGNED SUAS WITH THE OPERATOR OF ANY NATURAL BAS STORAGE FIELD RELATED PARTIES ☐ SURFACE OWNER(s) (Impoundments or Pits) Name: Name: Address: Address: *Please attach additional forms if necessary

API NO. 47- 085 - 10172

OPERATOR WELL NO. Pritchard Unit 2H
Well Pad Name: Ireland North

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided. whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within questious and feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from the boundary of the lake or reservoir. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A (8-13)

API# 47-085-10172 PERMIT MODIFICATION

API NO. 47-085

OPERATOR WELL NO. Pritchard Unit 2H

Well Pad Name: Ireland North

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section of this part (185) as file written comments with the secretary as to the location or construction of the applicant's proposed well with thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 21-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas Department of Environmental Protection 601 57th St. SE Charleston, WV 25304 (304) 926-0450

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WW-6A (8-13)

API# 47-085-10172 PERMIT MODIFICATION

API NO. 47- 085 - 10172

OPERATOR WELL NO. Pritchard Unit 2H

Well Pad Name: Ireland North

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have THIRTY (30) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.



WW-6A (8-13)

API# 47-085-10172 PERMIT MODIFICATION

API NO. 47- 085 - 10172
OPERATOR WELL NO. Pritchard Unit 2H
Well Pad Name: Ireland North

| Notice | is | hereby | given | by: |
|--------|----|--------|-------|-----|
| | | **** | Ma | |

Well Operator: Antero Resources Corporation
Telephone: (303) 357-7310

Telephone: (303) 357-7310 Carlotte Email: asteele@anteroresources.com

Address: 1615 Wynkoop Street
Denver, CO 80202

Facsimile: 303-357-7315

Oil and Gas Privacy Notice:

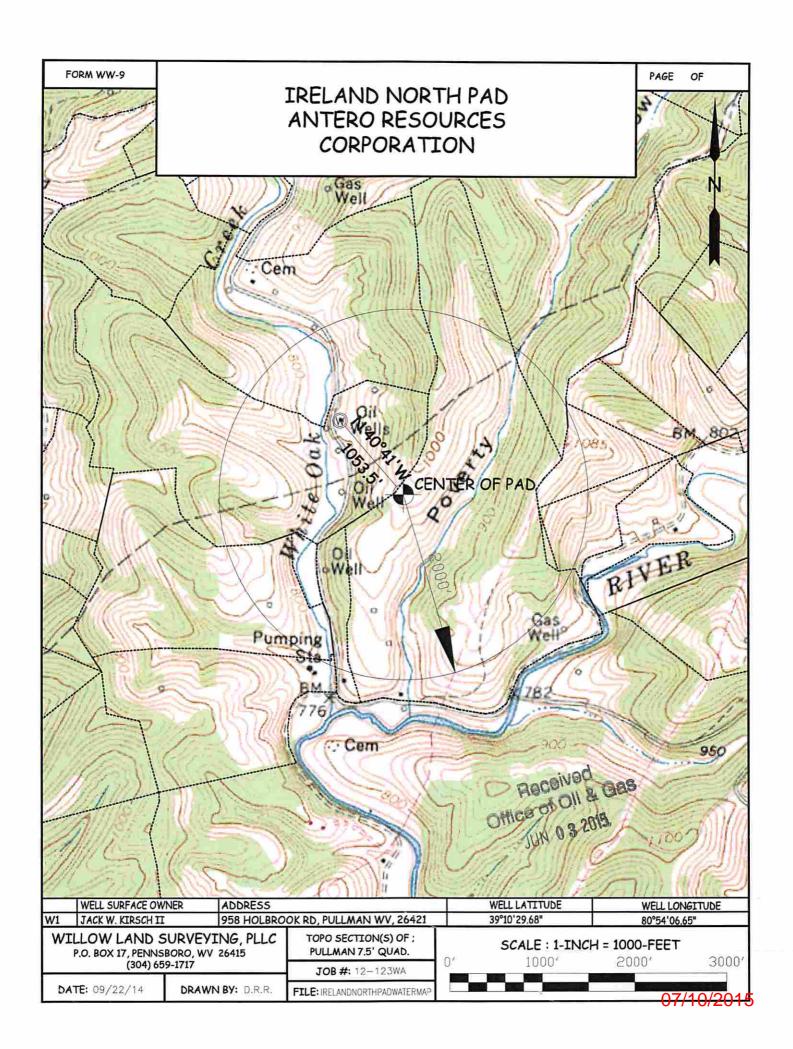
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

KARA QUACKENBUSH
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20144028297
MY COMMISSION EXPIRES JULY 21, 2018

Subscribed and sworn before me this 2 day of <u>tuyle 2015</u>.

Notary Public My Commission Expires <u>1117 21, 2018</u>

Received
Office of Oil & Gas
JUN 0 3 2015



PERMIT MODIFICATION - SHL & BHL CERTIFIED MAIL RECEIPT PRITCHARD UNIT 2H (IRELAND NORTH PAD) WW-6A NOTICE OF APPLICATION TO SURFACE OWNER

Instructions

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Signature Confirmation \$2,45 (Electronic Rate)

Priority Mail® Postage: \$5.05 \$7.50

From: KARA QUACKENBUSH ANTERO RESOURCES

1615 WYNKOOP ST **DENVER CO 80202-1106**

To: LYNWOOD K, & KAREN L, IRELAND 342 IRELAND RD PULLMAN WV 26421-8051

Commercial Base Pricing Priority Mail rates some There is no fee for USPS Tracking M service on Priority Mail service (3) use of this procurally rate shipping label. Refunds for unused postage paid labels can be Squagade online 30 days from the print date.

JUN 0 3 2015

UNITED STATES POSTAL SERVICE &

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PERMIT MODIFICATION - SHL & BHL CERTIFIED MAIL RECEIPT PRITCHARD UNIT 2H (IRELAND NORTH PAD) WW-6A NOTICE OF APPLICATION TO SURFACE OWNER

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Click-N-Ship® Label Record

Signature Confirmation™: 9410 8036 9930 0068 3589 16

337593512 Trans. #: Print Date: Ship Date: Expected 08/01/2015 06/02/2015 06/05/2015 Delivery Date:

Priority Mail® Postage: \$5.05 Signature Confirmation \$2.45 (Electronic Rate)

\$7.50

KARA QUACKENBUSH ANTERO RESOURCES 1615 WYNKOOP ST

DENVER CO 80202-1106

JACK W. KIRSCH. II 958 HOLBROOK RD PULLMAN WV 26421-8056 Received

Commercial Base Priority Mail rates apply. The less no fee for USPS
Tracking ** service on Priority Mail service with use of tigle dectronic rate shipping Tracking M service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid about 25 for equested online 30 days from the print date.

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POSTAL SERVICE & Thank you for shipping with the United States Postal Service! Check the status of your shipment on the USPS Tracking™ page at usps.com

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Click-N-Ship® Label Record

Signature Confirmation™: 9410 8036 9930 0068 3589 16

Trans. #: 337593512 Print Date: Ship Date: Expected Delivery Date: 06/01/2015 06/02/2015 06/05/2015 Priority Mail® Postage: \$5.05 Signature Confirmation \$2.45 (Electronic Rate)

\$7.50 Total

From: KARA QUACKENBUSH ANTERO RESOURCES

1615 WYNKOOP ST **DENVER CO 80202-1106**

JACK W. KIRSCH. II 958 HOLBROOK RD PULLMAN WV 26421-8056

* Commercial Base Pricing Priority Mail rates a Tracking ** service on Priority Mail service will label. Refunds for unused postage paid labels Fhere is no fee for USPS ils electronic rate shipping be requested online 30 days from

UNITED STATES
POSTAL SERVICE Thank you for shipping with the United States Postal Service! Check the status of your shipment on the USPS Tracking™ page at usps.com

API# 47-085-10172 PERMIT MODIFICATION

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

| Notice Time Date of Notice | Requirement: notice shall be procee: 06/02/2015 Date P | | later than the filing plication Filed: 06/4 | | application. | |
|--|--|--|--|--|--|--|
| Delivery me | hod pursuant to West Virginia | Code § 2 | 2-6A-16(c) | | | |
| ■ CERTI | FIED MAIL | П | HAND | | | |
| | RN RECEIPT REQUESTED | _ | DELIVERY | | | |
| return receipt the planned of required to be drilling of a damages to th (d) The notice of notice. Notice is her | requested or hand delivery, give operation. The notice required by provided by subsection (b), sect horizontal well; and (3) A propose surface affected by oil and gas es required by this section shall be by provided to the SURFACE | the surfa- by this su ion ten of sed surfa- operation e given to OWNER | bsection shall inclust this article to a surface use and compens to the extent the day the surface owner and t | d will be used for de: (1) A copy face owner whose sation agreement amages are com | cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time | |
| | s listed in the records of the sheri | ff at the ti | | Jack W. Kirsch II | | |
| Address: 342 Ireland Rd. | | Name; Jack W. Kirsch II Address: 958 Holbrook Rd. | | | | |
| The state of the s | an, WV 26421 | - | rudies | Pullman, WV 26421 | | |
| State: County: District: | the surface owner's land for the p West Virginia Ritchie | | UTM NAD 8 | Easting: Northing: | 508699m 4335964m CR 9 | |
| Quadrangle: | Pullman 7.5' | | Generally use | ed farm name: | Ireland, Lynwood, et al | |
| Watershed: | South Fork Hughes River | | | | | |
| Pursuant to V to be provide horizontal we surface affect information r | ed by W. Va. Code § 22-6A-10(ell; and (3) A proposed surface us ed by oil and gas operations to the elated to horizontal drilling may located at 601 57th Street, SE, | b) to a see and con the extent be obtain | urface owner whose inpensation agreeme the damages are conned from the Secret | e land will be until containing arompensable und tary, at the WV | code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-damages-not-bet-additional-damages- | |
| Well Operato | r: Antero Resources Corporation | | Address: | 1615 Wynkoop Stre | et | |
| Telephone: | (303) 357-7310 | - | | Denver, CO 80202 | | |
| Email: | asteele@anteroresources.com | | Facsimile: | The state of the s | | |
| Oil and Gas | Privacy Notice: Oil and Gas processes your person | onal infor | mation, such as nam | | Received Gas relephone number, as part of our regulatory | |

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third puries in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

PERMIT MODIFICATION - SHL & BHL CERTIFIED MAIL RECEIPT PRITCHARD UNIT 2H (IRELAND NORTH PAD) WW-6A5 NOTICE OF PLANNED OPERATION TO SURFACE OWNER

Instructions

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- 5. Mail your package on the "Ship Date" you selected when creating this label.

Click-N-Ship® Label Record

Signature Confirmation™: 9410 8036 9930 0068 3589 09

Trans. #: Print Date: 337593512 06/01/2015 Ship Date: Expected 06/02/2015 Delivery Date: 06/05/2015 Priority Mail® Postage: \$5.05 (Electronic Rate) Total

Signature Confirmation \$2,45 \$7.50

From: KARA QUACKENBUSH ANTERO RESOURCES

> 1615 WYNKOOP ST **DENVER CO 80202-1106**

To: LYNWOOD K. & KAREN L. IRELAND 342 IRELAND RD

PULLMAN WV 26421-8051

Commercial Base Pilcing Priority Maltrates Supply. There is 1040 CUSPS
Tracking ** service on Priority Mall service with use of this electronic rate shipping
label. Refunds for unused postage paid labels tanke requested online 30 days from
the print date.

PERMIT MODIFICATION - SHL & BHL CERTIFIED MAIL RECEIPT PRITCHARD UNIT 2H (IRELAND NORTH PAD) WW-6A5 NOTICE OF PLANNED OPERATION TO SURFACE OWNER

Instructions

- 1. Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.
- 2. Place your label so it does not wrap around the edge of the package.
- 3. Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.
- 4. To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.
- 5. Mail your package on the "Ship Date" you selected when creating this label.

Click-N-Ship® Label Record

Signature Confirmation™: 9410 8036 9930 0068 3589 16

Trans. #: 337593512 Print Date: Ship Date: Expected Delivery Date: 06/01/2015 06/02/2015 06/05/2015

Total

Priority Mail® Postage: \$5.05 Signature Confirmation \$2.45 (Electronic Rate)

\$7.60

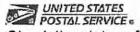
From: KARA QUACKENBUSH

ANTERO RESOURCES 1615 WYNKOOP ST **DENVER CO 80202-1106**

JACK W. KIRSCH. II

958 HOLBROOK RD PULLMAN WV 26421-8056

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