



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

February 24, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-3305479, issued to ANTERO RESOURCES CORPORATION, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: FRANCIS UNIT 2H
Farm Name: MALE, KIMBERLY A.

API Well Number: 47-3305479

Permit Type: Plugging

Date Issued: 02/24/2015

Promoting a healthy environment.

02/27/2015

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

3305479P

WW-4B
Rev. 2/01

1) Date November 12, 2014
2) Operator's
Well No. Francis Unit 2H
3) API Well No. 47-033 - 05479

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ___ / Gas X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production X or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 1217' Watershed Limestone Run
District Coal County Harrison Quadrangle Wolf Summit

6) Well Operator Antero Resources Corporation 7) Designated Agent CT Corporation System- Dianna Stamper
Address 1615 Wynkoop Street Address 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313

8) Oil and Gas Inspector to be notified Name Sam Ward
Address 601 57th Street, SE
Charleston, WV 25304
9) Plugging Contractor Name N/A - Antero will plug well.
Address _____

10) Work Order: The work order for the manner of plugging this well is as follows:

- *Conductor casing: 20" set to 40' KB - cemented to surface with Class A Cement on March 2, 2011.
- Objective: Plug & Abandon Conductor - A plug from base of Conductor casing (40') will be set to within 3' of ground elevation (1217).
- Procedure: Dig out around Conductor. Run 1" pipe to bottom of conductor and cement back to surface with Class A Cement @ 1.18 cu. ft./sk cement
- Remove 1" pipe from conductor. ~~Weld dry hole cap, weld well name and API# on top of cap - 3 feet below ground elevation.~~ Back fill hole dug around conductor.

SPW

**Please note that the monument will comply with requirements outlined in CSR 34-5.5b

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Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector S P Ward II Date 11/14/2014

02/27/2015

3305479P

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 11/12/2014
API #: 47-033-05479

Farm name: Male, Kimberly A. Operator Well No.: Francis Unit 2H

LOCATION: Elevation: 1217' Quadrangle: Wolf Summit

District: Coal County: Harrison
Latitude: 10.041' Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 12.551' Feet West of 80 Deg. 22 Min. 30 Sec.

Company: Antero Resources Corporation

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1615 Wynkoop Street Denver, CO 80202	20" 94#	40'	40'	38 Cu. Ft.
Agent: <u>CT Corporation System</u>				
Inspector: <u>Sam Ward</u>				
Date Permit Issued: <u>10/1/2010</u>				
Date Well Work Commenced: <u>3/2/2011</u>				
Date Well Work Completed: <u>3/2/2011</u>				
Verbal Plugging: <u>N/A</u>				
Date Permission granted on: <u>N/A</u>				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>40'</u>				
Total Measured Depth (ft): <u>40'</u>				
Fresh Water Depth (ft.): <u>N/A</u>				
Salt Water Depth (ft.): <u>N/A</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>N/A</u>				
Void(s) encountered (N/Y) Depth(s) <u>No</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation N/A Pay zone depth (ft) N/A
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

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I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the 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.

Ashley Steele
Signature

11-12-14
Date

02/27/2015

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes _____ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list No.

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

N/A- Only Conductor Set

Plug Back Details Including Plug Type and Depth(s): N/A

Formations Encountered: _____ Top Depth / _____ Bottom Depth
Surface: _____

N/A

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3305479P

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WW-4A Office of Oil and Gas
Revised 6-07
NOV 17 2014

1) Date: November 12, 2014
2) Operator's Well Number
Francis Unit 2H
3) API Well No.: 47 - 033 - 05479

WV Department of Environmental Protection
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Kimberly A. Male</u>	Name _____
Address <u>78 O'Neil Hollow Road</u>	Address _____
<u>Clarksburg, WV 26301</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>PLEASE SEE ATTACHMENT</u>
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>601 57th Street SE</u>	Name _____
<u>Charleston, WV 25304</u>	Address _____
Telephone <u>304-389-7583</u>	

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

	Well Operator	<u>Antero Resources Corporation</u>
	By:	<u>Ward McNeilly</u> <i>[Signature]</i>
	Its:	<u>Vice President of Engineering</u>
	Address	<u>1615 Wynkoop Street</u>
	Telephone	<u>Denver, CO 80202</u> <u>303-357-7310</u>

Subscribed and sworn before me this 13th day of November 2014
Samantha Marsh Notary Public
My Commission Expires December 20, 2017

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

02/27/2015

WW-4A Notice of Application to Plug and Abandon a Well Attachment:

Coal Owner, Operator, Lessee(s) with Declarations or Mining Permit:

Name: Consolidation Coal Company
 Consol Energy, Inc., CNX Center
 Engineering & Operations Support - Coal
 Attn: Analyst
Address: 1000 Consol Energy Drive
 Canonsburg, PA 15317

Name: Ten A Coal Company
Address: Rural Route 4 Box 253
 Clarksburg, WV 26301

Name: Patrick & Frank Cunningham
Address: Rural Route 4 Box 253
 Clarksburg, WV 26301

Name: The Pursglove Coal Company
Address: 321 W Main Street Building 424
 Clarksburg, WV 26301

Name: James Robinson, Inc.
Address: 25 South Queens Court
 Huntington, WV 25705

Coal Owner, Operator, Lessee(s) Previously Notified on Original Permit Application (**NO DECLARATIONS FILED**):

Name: Kimberly A. Male
Address: 78 O'Neil Hollow Road
 Clarksburg, WV 26301

Name: Patriot Mining Company, Inc.
Address: 63 Corporate Center Drive
 Scott Depot, WV 25560

Name: Anker Energy Corporation
Address: 2708 Cranberry SQ
 Morgantown, WV 26508

Name: W&W Coal Company
 Notice of Process: Robert G. Wright
Address: 213 Howard Avenue
 Mullens, WV 25882

Name: Anker West Virginia Mining Company, Inc.
Address: 63 Corporate Center Drive
 Scott Depot, WV 25560

Name: Murray Energy Corporation
Address: 101 Prosperous Place, Suite 125
 Lexington, KY 40509

Name: Anker West Virginia Mining Company, Inc.
Address: 2708 Cranberry SQ
 Morgantown, WV 26508

Name: American Mountaineer Energy, Inc.
 Subsidiary of Murray Energy Corporation
Address: 29325 Chagrin Boulevard, Suite 300
 Beachwood, OH 44122

Name: Patriot Mining Company, Inc.
Address: 2708 Cranberry SQ
 Morgantown, WV 26508

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CERTIFIED MAIL RECEIPT
FRANCIS UNIT 2H
WW-4A AND WW-4B NOTICE OF APPLICATION TO PLUG AND
ABANDON A WELL - TO SURFACE OWNER

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Instructions

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Signature Confirmation™ :	
9410 8036 9930 0062 0089 16	
Trans. #: 315746383	Priority Mail® Postage: \$5.05
Print Date: 11/12/2014	Signature Confirmation: \$2.35
Ship Date: 11/13/2014	(Electronic Rate)
Expected Delivery Date: 11/17/2014	\$7.40
From: ASHLIE STEELE ANTERO RESOURCES 1615 WYNKOOP ST DENVER CO 80202-1106	
To: KIMBERLY A MALE 78 ONEIL HOLLOW RD CLARKSBURG WV 26301-8545	
<small>* Commercial Base Pricing Priority Mail rates apply. There is no fee for USPS Tracking™ service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.</small>	



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Ship Date:	11/13/2014
Expected	
Delivery Date:	11/15/2014
Priority Mail® Postage:	\$5.05
Signature Confirmation:	\$2.35
(Electronic Rate)	
Total:	\$7.40
From:	ASHLIE STEELE ANTERO RESOURCES 1615 WYNKOOP ST DENVER CO 80202-1106
To:	CONSOLIDATION COAL CO. / CONSOL ENERGY, INC. CNX CENTER, ENGINEERING & OPERATIONS SUPPORT - COAL 1000 CONSOL ENERGY DR ATTN: ANALYST CANONSBURG PA 15317-6506
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Trans. #: 315746383	Priority Mail® Postage: \$5.05
Print Date: 11/12/2014	Signature Confirmation: \$2.35
Ship Date: 11/13/2014	(Electronic Rate)
Expected Delivery Date: 11/17/2014	Total: \$7.40
From: ASHLIE STEELE	
ANTERO RESOURCES	
1815 WYNKOOP ST	
DENVER CO 80202-1106	
To: THE PURSGLOVE COAL COMPANY	
321 W MAIN ST BLDG 424	
CLARKSBURG WV 26301-2929	
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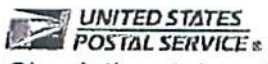
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Trans. #: 315746383	Priority Mail® Postage: \$5.05
Print Date: 11/12/2014	Signature Confirmation: \$2.35
Ship Date: 11/13/2014	(Electronic Rate)
Expected Delivery Date: 11/17/2014	Total: \$7.40
From: NATALIE KOMP ANTERO RESOURCES 1615 WYNKOOP ST DENVER CO 80202-1106	
To: TEN A COAL COMPANY RR 4 BOX 253 CLARKSBURG WV 26301-9446	
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Trans. #: 315746383	Priority Mail® Postage: \$5.05
Print Date: 11/12/2014	Signature Confirmation: \$2.35
Ship Date: 11/13/2014	(Electronic Rate)
Expected Delivery Date: 11/17/2014	Total: \$7.40
From: ASHLIE STEELE ANTERO RESOURCES 1815 WYNKOOP ST DENVER CO 80202-1106	
To: PATRICK & FRANK CUNNINGHAM RR 4 BOX 253 CLARKSBURG WV 26301-9446	
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Signature Confirmation™ :
9410 8036 9930 0062 0088 93

Trans. #:	315746383	Priority Mail® Postage:	\$5.05
Print Date:	11/12/2014	Signature Confirmation:	\$2.35
Ship Date:	11/13/2014	(Electronic Rate)	
Expected Delivery Date:	11/15/2014	Total:	\$7.40

From: ASHLIE STEELE
 ANTERO RESOURCES
 1615 WYNKOOP ST
 DENVER CO 80202-1106

To: JAMES ROBINSON, INC. ✓
 25 S QUEENS CT
 HUNTINGTON WV 25705-3635

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Print Date:	11/12/2014	Signature Confirmation:	\$2.35
Ship Date:	11/13/2014	(Electronic Rate)	
Expected Delivery Date:	11/17/2014	Total:	\$7.40
From:	ASHLIE STEELE ANTERO RESOURCES 1615 WYNKOOP ST DENVER CO 80202-1106		
To:	KIMBERLY A MALE ✓ 78 ONEIL HOLLOW RD CLARKSBURG WV 26301-6545		
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Signature Confirmation™ :	
9410 8036 9930 0062 0089 23	
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Print Date:	11/12/2014
Ship Date:	11/13/2014
Expected Date:	
Delivery Date:	11/15/2014
Priority Mail® Postage:	\$5.05
Signature Confirmation:	\$2.35
(Electronic Rate)	
Total:	\$7.40
From: ASHLIE STEELE ANTERO RESOURCES 1815 WYNKOOP ST DENVER CO 80202-1106	
To: ANKER ENERGY CORPORATION 2708 CRANBERRY SQ MORGANTOWN WV 26508-9288	
<small>* Commercial Base Pricing Priority Mail rates apply. There is no fee for USPS Tracking™ service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.</small>	



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02/27/2015

CERTIFIED MAIL RECEIPT
FRANCIS UNIT 2H
WW-4A AND WW-4B NOTICE OF APPLICATION TO PLUG AND
ABANDON A WELL - TO COAL OWNER, OPERATOR, LESSEE(S)
(NO DECLARATION FILED)

RECEIVED
Office of Oil and Gas
NOV 17 2014
WV Department of
Environmental Protection

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Click-N-Ship® Label Record

Signature Confirmation™ :	
9410 8036 9930 0062 0089 30	
Trans. #:	315746383
Print Date:	11/12/2014
Ship Date:	11/13/2014
Expected	
Delivery Date:	11/15/2014
Priority Mail® Postage:	\$5.05
Signature Confirmation:	\$2.35
(Electronic Rate)	
Total:	\$7.40
From:	ASHLIE STEELE ANTERO RESOURCES 1615 WYNKOOP ST DENVER CO 80202-1108
To:	ANKER WEST VIRGINIA MINING COMPANY, INC. 63 CORPORATE CENTER DR SCOTT DEPOT WV 25560-7841
<small>* Commercial Base Pricing Priority Mail rates apply. There is no fee for USPS Tracking™ service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.</small>	



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Signature Confirmation™ :	
9410 8036 9930 0062 0089 47	
Trans. #: 315746383	Priority Mail® Postage: \$5.05
Print Date: 11/12/2014	Signature Confirmation: \$2.35
Ship Date: 11/13/2014	(Electronic Rate)
Expected Delivery Date: 11/15/2014	Total: <u>\$7.40</u>
From: ASHLIE STEELE ANTERO RESOURCES 1615 WYNKOOP ST DENVER CO 80202-1106	
To: ANKER WEST VIRGINIA MINING COMPANY, INC. 2708 CRANBERRY SQ MORGANTOWN WV 26508-9286 ✓	
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Signature Confirmation™ :
9410 8036 9930 0062 0089 54

Trans. #:	315746383	Priority Mail® Postage:	\$5.05
Print Date:	11/12/2014	Signature Confirmation:	\$2.35
Ship Date:	11/13/2014	(Electronic Rate)	
Expected		Total:	<u>\$7.40</u>
Delivery Date:	11/15/2014		

From: ASHLIE STEELE
 ANTERO RESOURCES
 1615 WYNKOOP ST
 DENVER CO 80202-1106

To: PATRIOT MINING COMPANY, INC. ✓
 2708 CRANBERRY SQ
 MORGANTOWN WV 26508-9286

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9410 8036 9930 0062 0089 61	
Trans. #:	315746383
Print Date:	11/12/2014
Ship Date:	11/13/2014
Expected Delivery Date:	11/15/2014
Priority Mail® Postage:	\$5.05
Signature Confirmation:	\$2.35
(Electronic Rate)	
Total:	\$7.40
From:	ASHLIE STEELE ANTERO RESOURCES 1615 WYNKOOP ST DENVER CO 80202-1106
To:	PATRIOT MINING COMPANY, INC. ✓ 63 CORPORATE CENTER DR SCOTT DEPOT WV 25560-7841
<small>* Commercial Base Pricing Priority Mail rates apply. There is no fee for USPS Tracking™ service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.</small>	



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Signature Confirmation™ :	
9410 8036 9930 0062 0105 75	
Trans. #: 315749197	Priority Mail® Postage: \$5.05
Print Date: 11/12/2014	Signature Confirmation: \$2.35
Ship Date: 11/13/2014	(Electronic Rate)
Expected Delivery Date: 11/15/2014	Total: \$7.40
From: NATALIE KOMP ANTERO RESOURCES 1615 WYNKOOP ST DENVER CO 80202-1108	
To: W & W COAL COMPANY NOTICE OF PROCESS: ROBERT G. WRIGHT 213 HOWARD AVE MULLENS WV 25882-1420	
<small>* Commercial Base Pricing Priority Mail rates apply. There is no fee for USPS Tracking™ service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.</small>	



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Signature Confirmation™ :	
9410 8036 9930 0062 0088 48	
Trans. #:	315746383
Print Date:	11/12/2014
Ship Date:	11/13/2014
Expected	
Delivery Date:	11/15/2014
Priority Mail® Postage:	\$5.05
Signature Confirmation:	\$2.35
(Electronic Rate)	
Total:	<u>\$7.40</u>
From:	ASHLIE STEELE ANTERO RESOURCES 1615 WYNKOOP ST DENVER CO 80202-1106
To:	MURRAY ENERGY CORPORATION 101 PROSPEROUS PL STE 125 LEXINGTON KY 40509-1858

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3305479P

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Click-N-Ship® Label Record

Signature Confirmation™ :	
9410 8036 9930 0062 0088 55	
Trans. #:	315748383
Print Date:	11/12/2014
Ship Date:	11/13/2014
Expected Delivery Date:	11/15/2014
Priority Mail® Postage:	\$5.05
Signature Confirmation:	\$2.35
(Electronic Rate)	
Total:	\$7.40
From:	ASHLIE STEELE ANTERO RESOURCES 1615 WYNKOOP ST DENVER CO 80202-1106
To:	AMERICAN MOUNTAINEER ENERGY, INC. SUBSIDIARY OF MURRAY ENERGY CORPORATION 28325 CHAGRIN BLVD STE 300 BEACHWOOD OH 44122-4600
<small>* Commercial Base Pricing Priority Mail rates apply. There is no fee for USPS Tracking™ service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.</small>	



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WW-9
Rev. 5/08

Page _____ of _____
API Number 47 - 033 - 05479
Operator's Well No. Francis Unit 2H

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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Antero Resources Corporation OP Code 494488557

Watershed Limestone Run Quadrangle Wolf Summit

Elevation 1217' County Harrison District Coal

Description of anticipated Pit Waste: No pit will be used at this site (All fluids will be stored in tanks and either reused or hauled off site.)

Will a synthetic liner be used in the pit? N/A

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____ Future permitted well locations when applicable. API# will be provided on Form WR-34)
- Off Site Disposal (Meadowfill Landfill Permit #SWF-1032-98)
- Other (Explain _____)

SDW
11/14/2014

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain _____)
- Swabbing
- Plugging

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto 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 or imprisonment.

Company Official Signature *Ward McNeilly*
Company Official (Typed Name) Ward McNeilly
Company Official Title Vice President of Engineering



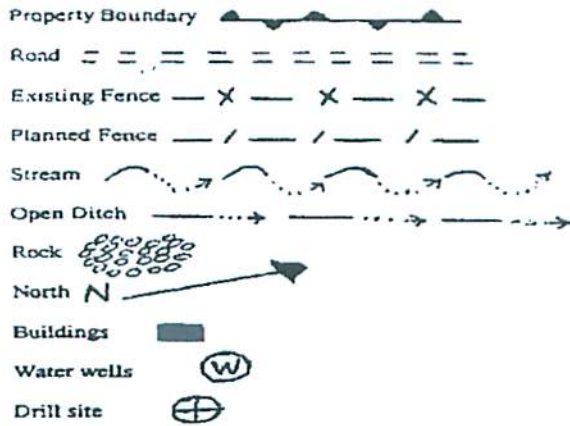
Subscribed and sworn before me this 13th day of November, 20 14

Natalie Komp Notary Public

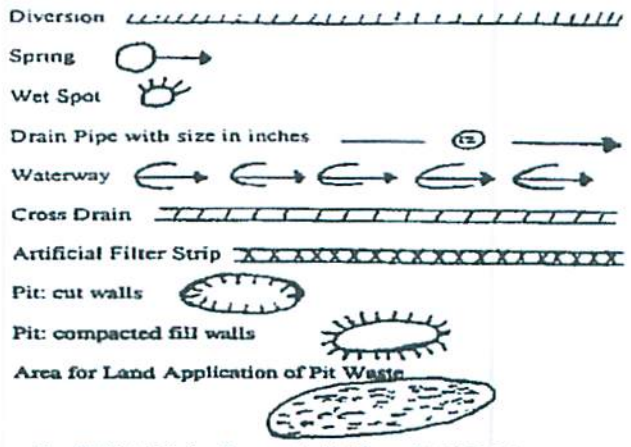
My commission expires July 18, 2018

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LEGEND



(Approximate Disturbed Acreage: Existing Pad 5.5 + Existing Access Road 1.93 + Existing Borrow Pad 1.37 = 10.61 Existing Acres)

Proposed Revegetation Treatment: Acres Disturbed 0.00 (Existing 10.61) Prevegetation pH _____

Lime 2-3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch 2-3 Tons/acre (Hay, straw or wood fiber (will be used where needed))

Seed Mixtures

Seed Type	Area I	lbs/acre
Tall Fescue		40
Annual Rye		10

*or type of grass seed requested by surface owner

Seed Type	Area II	lbs/acre
Tall Fescue		40
Annual Rye		10

*or type of grass seed requested by surface owner

Attach:
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: _____

Title: Oil & Gas Inspector

Date: 11/14/2014

Field Reviewed? () Yes (X) No

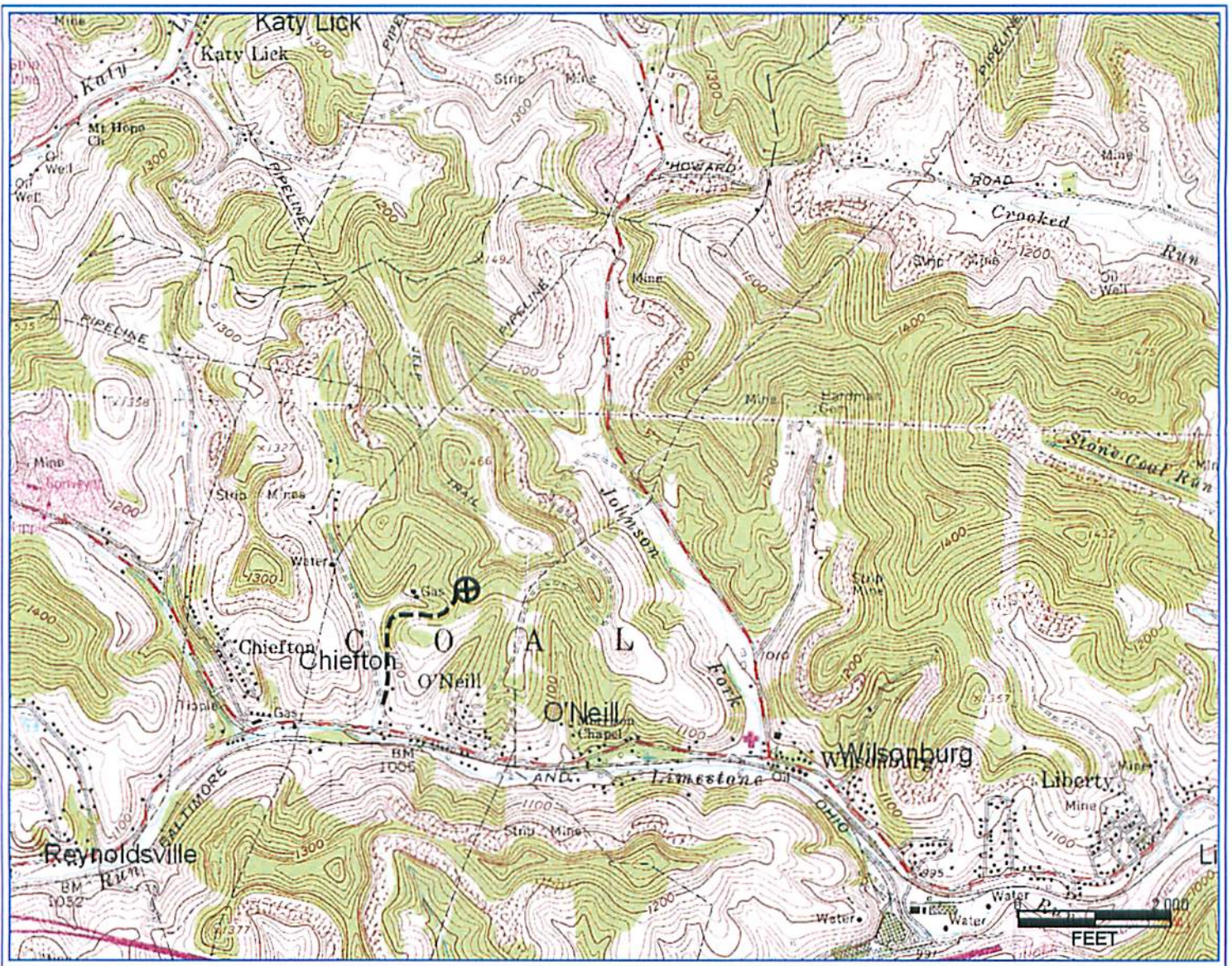
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330547A



PETRA 2/18/2010 10:24:38 AM

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Antero Resources Corporation
APPALACHIAN BASIN
Francis Unit 2H
Harrison County
<p>0 2,000 4,000 FEET</p>
<p>REMARKS QUADRANGLE: WOLF SUMMIT WATERSHED: WEST FORK DISTRICT: COAL</p>
<p>January 9, 2009 02/27/2015</p>

3305479 P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-033-05479-00 WELL NO.: Francis Unit 2H
FARM NAME: Male, Kimberly A.
RESPONSIBLE PARTY NAME: Antero Resources Corporation
COUNTY: Harrison DISTRICT: Coal
QUADRANGLE: Wolf Summit
SURFACE OWNER: Kimberly A. Male
ROYALTY OWNER: Michael J. Francis
UTM GPS NORTHING: 4350088.04
UTM GPS EASTING: 550886.57 GPS ELEVATION: 1219'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS x : Post Processed Differential X
Real-Time Differential _____
Mapping Grade GPS _____ : Post Processed Differential _____
Real-Time Differential _____

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4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Ashley Steele
Signature

Permitting Supervisor
Title

12/30/2014
Date

02/27/2015

3305479P



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

November 12, 2014

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

RE: Francis Unit 2H (API# 47-033-05479-00)

Ms. Laura Cooper:

Antero Resources Corporation (Antero) would like to submit the following application for a permit to plug and abandon the subject well located on the existing Male pad.

Attached you will find the following:

- Copy of the submitted interim Completion Report (Form WR-35)
- Permit Application package

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

Thank you in advance for your consideration.

Sincerely,

A handwritten signature in blue ink that reads "Ashlie Steele".

Ashlie Steele
Permitting Supervisor
Antero Resources Corporation

Enclosures

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