



**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: 47-3305488, 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: SOUTHERN UNIT 3  
Farm Name: WILLIAMS, EDGAR - ESTATE  
**API Well Number: 47-3305488**  
**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

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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.

WW-4B  
Rev. 2/01

1) Date November 12, 2014  
2) Operator's  
Well No. Southern Unit 3  
3) API Well No. 47-033 - 05488

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 1191' Watershed Johnson Fork & Gregory 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 9) Plugging Contractor Name N/A - Antero will plug well.  
Address 601 57th Street, SE Address \_\_\_\_\_  
Charleston, WV 25304

10) Work Order: The work order for the manner of plugging this well is as follows:  
 \*Conductor casing: 20" set to 20' - ~~cemented to surface with Class A Cement on October 7, 2010.~~ backfilled with dirt on ~~December 7, 2010~~ October 7, 2010  
 Objective: Plug & Abandon Conductor - A plug from base of Conductor casing (40') will be set to within 3' of ground elevation (1191').  
 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 APN on top of cap - 3 feet below ground elevation. Back fill hole dug around conductor.~~  
SDW

\*\*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 SDW Date 11/14/2014

3305488P

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 #: 47-033-05488

Farm name: Williams, Edgar - Estate Operator Well No.: Southern Unit 3

LOCATION: Elevation: 1191' Quadrangle: Wolf Summit

District: Coal County: Harrison  
Latitude: 8740' Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude 9160' 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<br>Denver, CO 80202  | 20" 94#         | 20'              | 20'          | *Back filled with dirt |
| Agent: CT Corporation System   |                 |                  |              |                        |
| Inspector: Sam Ward  |                 |                  |              |                        |
| Date Permit Issued: 10/6/2010  |                 |                  |              |                        |
| Date Well Work Commenced: 10/7/2010  |                 |                  |              |                        |
| Date Well Work Completed: 10/7/2010  |                 |                  |              |                        |
| Verbal Plugging: N/A   |                 |                  |              |                        |
| Date Permission granted on: N/A  |                 |                  |              |                        |
| Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/> |                 |                  |              |                        |
| Total Vertical Depth (ft): 20'   |                 |                  |              |                        |
| Total Measured Depth (ft): 20'   |                 |                  |              |                        |
| Fresh Water Depth (ft.): N/A   |                 |                  |              |                        |
| Salt Water Depth (ft.): N/A  |                 |                  |              |                        |
| Is coal being mined in area (N/Y)? No  |                 |                  |              |                        |
| Coal Depths (ft.): N/A   |                 |                  |              |                        |
| Void(s) encountered (N/Y) Depth(s) No  |                 |                  |              |                        |

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

3305488A

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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WW-4A  
Revised 6-07

NOV 17 2014

1) Date: November 12, 2014  
2) Operator's Well Number \_\_\_\_\_  
Southern Unit 3

3) API Well No.: 47 - 033 - 05488

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>Edgar Williams Estate c/o Richard Williams</u> | Name _____                         |
| Address <u>3287 Laneview Place</u>                         | Address _____                      |
| <u>Herndon, VA 20171</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.

SAMANTHA MARSH  
NOTARY PUBLIC  
STATE OF COLORADO  
NOTARY ID 20134079428  
MY COMMISSION EXPIRES DECEMBER 20, 2017

Well Operator Antero Resources Corporation  
By: Ward McNeilly *W. McNeilly*  
Its: Vice President of Engineering  
Address 1615 Wynkoop Street  
Denver, CO 80202  
Telephone 303-357-7310

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](mailto: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:** American Mountaineer Energy, Inc.  
 Attn: Jason D. Witt  
**Address:** 46226 National Road W ✓  
 St. Clairsville, OH 43950

**Name:** Barnes-Dawson Coal Company ✓  
**Address:** 1400 South Penn Square  
 Philadelphia, PA 19102

**Name:** Frush Enterprise, Inc. ✓  
**Address:** 1214 Briercliff Road  
 Bridgeport, WV 26330

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

**Name:** Edgar Williams Estate ✓  
 c/o Richard Williams  
**Address:** 3287 Laneview Place  
 Herndon, VA 20171

**Name:** McCall Enterprises, Inc. ✓  
**Address:** Calvert & 20<sup>th</sup> Street  
 Baltimore, MD 21201

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**CERTIFIED MAIL RECEIPT**  
**SOUTHERN UNIT 3**  
**WW-4A AND WW-4B NOTICE OF APPLICATION TO PLUG AND**  
**ABANDON A WELL - TO SURFACE OWNER**


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| <br>   |  |
| <b>From:</b>   | ASHLIE STEELE<br>ANTERO RESOURCES<br>1615 WYNKOOP ST<br>DENVER CO 80202-1108               |
| <br>   |  |
| <b>To:</b>   | EDGAR WILLIAMS ESTATE<br>C/O RICHARD WILLIAMS<br>3287 LANEVIEW PL<br>HERNDON VA 20171-3938 |
| <br>   |  |
| <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-4A AND WW-4B NOTICE OF APPLICATION TO PLUG AND**  
**ABANDON A WELL - TO COAL OWNER, OPERATOR, LESSEE(S)**

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| To:  | CONSOLIDATION COAL CO. / CONSOL ENERGY, INC.<br>CNX CENTER;ENGINEERING & OPERATIONS SUPPORT<br>- COAL<br>1000 CONSOL ENERGY DR<br>ATTN: ANALYST<br>CANONSBURG PA 15317-8506 |
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| <b>From:</b>   | NATALIE KOMP<br>ANTERO RESOURCES<br>1815 WYNKOOP ST<br>DENVER CO 80202-1106 |
| <b>To:</b>   | TEN A COAL COMPANY<br>RR 4 BOX 253<br>CLARKSBURG WV 26301-9446              |
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| From:  | ASHLIE STEELE<br>ANTERO RESOURCES<br>1615 WYNKOOP ST<br>DENVER CO 80202-1106                                 |
| <br>   |  |
| To:  | ATTN: JASON D WITT<br>AMERICAN MOUNTAINEER ENERGY, INC.<br>46226 NATIONAL RD W<br>ST CLAIRSVLE OH 43950-8742 |
| <br>   |  |
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| From:  | ASHLIE STEELE<br>ANTERO RESOURCES<br>1615 WYNKOOP ST<br>DENVER CO 80202-1106 |
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### Click-N-Ship® Label Record

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|--|---------------|
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| Trans. #:  | 315749197     |
| Print Date:  | 11/12/2014    |
| Ship Date:   | 11/13/2014    |
| Expected Delivery Date:  | 11/17/2014    |
| Priority Mail® Postage:  | <b>\$5.05</b> |
| Signature Confirmation:<br>(Electronic Rate)   | <b>\$2.35</b> |
| <b>Total:</b>  | <b>\$7.40</b> |
| <b>From:</b> ASHLIE STEELE<br>ANTERO RESOURCES<br>1615 WYNKOOP ST<br>DENVER CO 80202-1106  |               |
| <b>To:</b> FRUSH ENTERPRISE, INC. <span style="float: right;">✓</span><br>1214 BRIERCLIFF RD<br>BRIDGEPORT WV 26330-1304   |               |
| <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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 Check the status of your shipment on the USPS Tracking™ page at [usps.com](http://usps.com)

02/27/2015

**CERTIFIED MAIL RECEIPT**  
**SOUTHERN UNIT 3**  
**WW-4A AND WW-4B NOTICE OF APPLICATION TO PLUG AND**  
**ABANDON A WELL - TO COAL OWNER, OPERATOR, LESSEE(S)**  
**(NO DECLARATION FILED)**

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### 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™ :  |  |
|--|--|
| <b>9410 8036 9930 0062 0106 98</b>   |  |
| Trans. #:  | 315749197  |
| Print Date:  | 11/12/2014   |
| Ship Date:   | 11/13/2014   |
| Expected Delivery Date:  | 11/15/2014   |
| Priority Mail® Postage:  | \$5.05   |
| Signature Confirmation:<br>(Electronic Rate)   | \$2.35   |
| <b>Total:</b>  | <b>\$7.40</b>  |
| <br>   |  |
| From:  | ASHLIE STEELE<br>ANTERO RESOURCES<br>1615 WYNKOOP ST<br>DENVER CO 80202-1106               |
| To:  | EDGAR WILLIAMS ESTATE<br>C/O RICHARD WILLIAMS<br>3287 LANEVIEW PL<br>HERNDON VA 20171-3936 |
| <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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**CERTIFIED MAIL RECEIPT**  
**SOUTHERN UNIT 3**  
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U.S. Postal Service™  
**CERTIFIED MAIL™ RECEIPT**  
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OFFICIAL USE

|  |                |
|--|----------------|
| Postage  | \$             |
| Certified Fee  |                |
| Return Receipt Fee<br><small>(Endorsement Required)</small>      |                |
| Restricted Delivery Fee<br><small>(Endorsement Required)</small> |                |
| <b>Total Postage &amp; Fees</b>                                  | <b>\$ 6.98</b> |



PS Form 3800, August 2006 See Reverse for Instructions

7012 1010 0000 0000 065E 1988

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WW-9  
Rev. 5/08

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47 - 033 - 05488  
Operator's Well No. Southern Unit 3

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 Johnson Fork & Gregory Run Quadrangle Wolf Summit

Elevation 1191' 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 *W. McNeilly*  
Company Official (Typed Name) Ward McNeilly  
Company Official Title Vice President of Engineering

NATALIE KOMP  
NOTARY PUBLIC  
STATE OF COLORADO  
NOTARY ID # 20144028170  
MY COMMISSION EXPIRES JULY 18, 2018

Subscribed and sworn before me this 13<sup>th</sup> day of November, 20 14

*Natalie Komp*

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Notary Public Office of Oil and Gas

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My commission expires July 18, 2018

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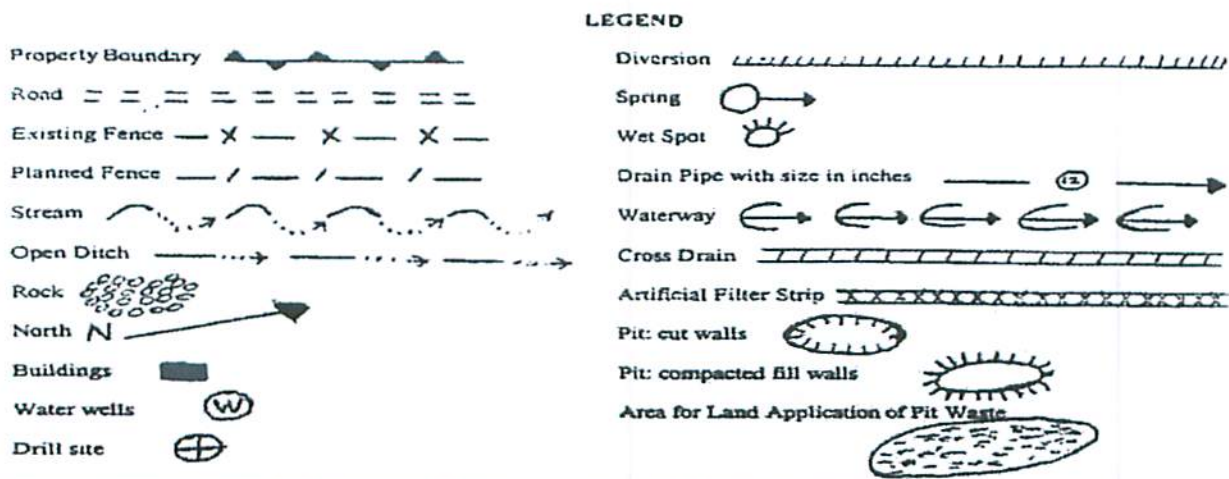
02/27/2015



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Form WW-9

Operator's Well No. Southern Unit 3



(Approximate Disturbed Acreage: Existing Pad 4.87 + Existing Access Road 1.09 + Existing Frac Pit 2.05 = 8.01 Existing Acres)

Proposed Revegetation Treatment: Acres Disturbed 0.00 (Existing 8.01) 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 | Seed Type   | Area II | lbs/acre |
|---|--------|----------|---|---------|----------|
| Meadow Mix  |        | 65       | Meadow Mix  |         | 65       |
| *or type of grass seed requested by surface owner |        |          | *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.

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Plan Approved by: S. A. D. W. H.

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Comments: \_\_\_\_\_

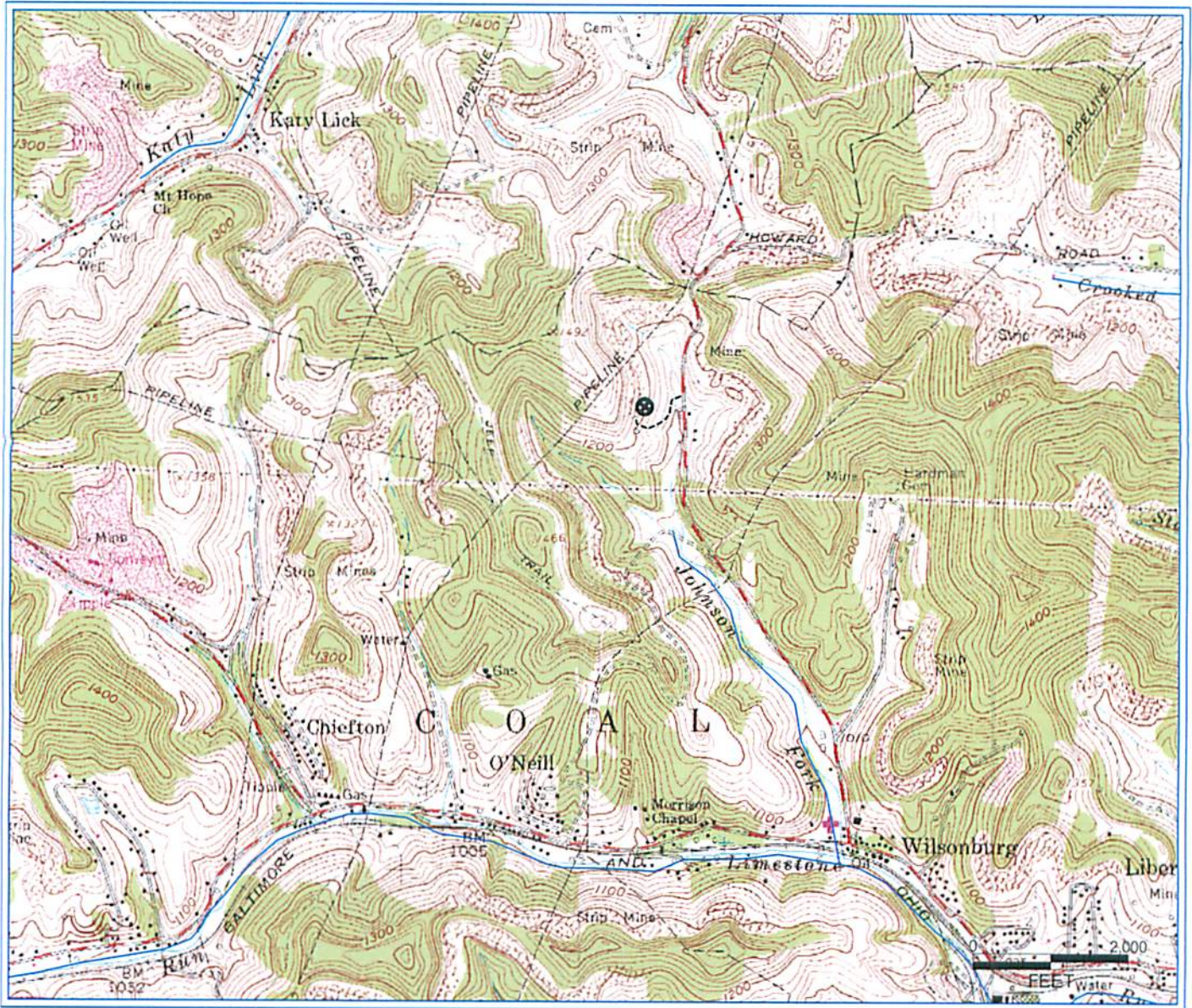
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Title: Oil & Gas Inspector

Date: 11/14/2014

Field Reviewed? ( ) Yes ( X ) No

02/27/2015



PETRA 11/10/2009 10:30:37 AM

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|   |
|---|
| Antero Resources Corporation  |
| APPALACHIAN BASIN   |
| Southern Unit 3   |
| Harrison County   |
|   |
| REMARKS<br>QUADRANGLE: WOLF SUMMIT<br>WATERSHED: JOHNSON FORK<br>DISTRICT: COAL |
| January 9, 2009 <span style="color: red;">02/27/2015</span>                     |

33 05488A

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-033-05488-00 WELL NO.: Southern Unit 3

FARM NAME: Williams, Edgar - Estate

RESPONSIBLE PARTY NAME: Antero Resources Corporation

COUNTY: Harrison DISTRICT: Coal

QUADRANGLE: Wolf Summit

SURFACE OWNER: Edgar H. Williams Estate

ROYALTY OWNER: John T. Williams, et ux

UTM GPS NORTHING: 4351128.96

UTM GPS EASTING: 551266.33 GPS ELEVATION: 1183'

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:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.

2. Accuracy to Datum – 3.05 meters

3. Data Collection Method:

Survey grade GPS X : Post Processed Differential     

Real-Time Differential     

Mapping Grade GPS      : Post Processed Differential     

Real-Time Differential     

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.

Ashlee Steele  
Signature

Permitting Supervisor  
Title

12/30/2014  
Date

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FEB 6 2015

WV Department of Environmental Protection



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 57<sup>th</sup> Street  
Charleston, WV 25304

**RE: Southern Unit 3 (API# 47-033-05488-00)**

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 Williams 9 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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02/27/2015