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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Monday, August 27, 2018  
WELL WORK PLUGGING PERMIT  
Not Available Plugging

ANTERO RESOURCES CORPORATION  
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit approval for GRIMM 1  
47-095-02524-00-00

This well work permit 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 any additional specific 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. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin  
Chief

Operator's Well Number: GRIMM 1  
Farm Name: STEPHEN R. & TAMERA K. GI  
U.S. WELL NUMBER: 47-095-02524-00-00  
Not Available Plugging  
Date Issued: 8/27/2018

**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.

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**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.

1) Date June 29, 2018  
2) Operator's  
Well No. Unknown  
3) API Well No. 47-095-02524

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 \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow X

5) Location: Elevation 793' Watershed Conaway Run Middle Island Creek  
District McElroy County Tyler Quadrangle Point Center, Shirley 7.5'

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 9) Plugging Contractor  
Name CRAGIN BLEVINS Name N/A - Antero will plug well  
Address 1407 19TH STREET Address \_\_\_\_\_  
VIENNA, WV 26105  
PHONE: 304-382-5933

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

\*Please see attached Work Order.

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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 BY EMAIL - CRAGIN BLEVINS Date 8/27/2018

**Orphaned Well near Alta pad**  
Tyler, WV  
API #



**Antero Resources**  
1615 Wynkoop St.  
Denver, CO 80202  
Office: 303.357.7310  
Fax: 303.357.7315

**Objective:** Plug and Abandon Wellbore.

**Pipe Schedule:**

1. N/A

**Oil and Gas Zones:**

1. N/A

**Procedure:**

NOTIFY CRAIG BREVENS (INSPECTOR)  
304-382-5933

1. Check and record all casing/annular pressures into Wellview.
2. Coordinate and schedule casing jacks.
3. Notify WVDEP prior to commencing work, for plug witnessing (Tyler County Inspector).
4. Move in and rig up flat tank and frac tank (No pits will be utilized).
5. Move in rig up service unit.
6. NU BOPE and test – check and report surface pressure including bradenhead pressure.
7. Kill well
8. RU wireline and lubricator.
9. Make gauge ring run to casing TD (TBD). Pull out of hole. Note fluid depth tagged.
10. MIRU logging crew.
11. Load Hole with 6% gel.
12. Run CBL from casing TD to surface.
13. Locate TOC around smallest casing string.
14. Discuss results with completions engineers before proceeding.
15. Consult with WVDEP on results of logs to determine how to proceed. Steps 16-31 are a general procedure if applicable.
16. TIH with 2 3/8" tubing to 50' below perfs or shallowest producing zone (if no perfs).
17. If perfs, go to step 16a). If no perfs, go to 16b).
  - a. MIRU cement services. Mix and pump cement for a plug that extends across perfs up to 100' above perfs. (Class A cement + 2% CaCl<sub>2</sub>, 20% excess included; yield =1.18 ft<sup>3</sup>/sk, WR=5.2 gal/sk)
    - a. Displace to balance plug
    - b. Slowly pull out of cement plug.
    - c. Reverse circulate tubing clear of cement
    - d. WOC and tag TOC 100' above perfs.
  - b. MIRU cement services. Mix and pump cement for plug across producing zones. (Class A cement + 2% CaCl<sub>2</sub>, 20% excess included; yield =1.18 ft<sup>3</sup>/sk, WR=5.2 gal/sk)
18. POOH with tubing.
19. Lubricate and RIH w/ CIBP and set at on top of shallowest cement plug. POOH w/ wireline.
20. PT CIBP to 500 psi.
21. RIH wireline and run free point above TOC in smallest casing string ...
  - a. Chemical cut above TOC smallest casing (exact depth determined via freepoint and CBL)
  - b. RU casing jacks and POOH – LD casing.
22. PU and RIH w/ tubing to one foot above CIBP.
23. Mix and pump 100' balanced plug on CIBP (Class A cement + 2% CaCl<sub>2</sub>, 20% excess included; yield =1.18 ft<sup>3</sup>/sk, WR=5.2 gal/sk).
  - a. Displace to balance plug
  - b. Slowly pull out of cement plug
  - c. Reverse circulate tubing clear of cement.
24. Pull up to 300' below casing cut (TBD via Freepoint)
25. Mix and pump 100' balanced plug across casing cut. (Class A cement + 2% CaCl<sub>2</sub>, 20% excess included; yield =1.18 ft<sup>3</sup>/sk, WR=5.2 gal/sk).
  - a. Displace to balance plug
  - b. Slowly pull out of cement plug and LD tubing.
  - c. Reverse circulate tubing clear of cement.
  - d. WOC and tag TOC @ 50' above casing cut.
26. Pull up to 50' below intermediate casing.
27. Mix and pump 100' balanced plug across bottom of intermediate casing (Casing should be cemented to surface and not have been removed). (Class A cement + 2% CaCl<sub>2</sub>, 20% excess included; yield =1.18 ft<sup>3</sup>/sk, WR=5.2 gal/sk).

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- a. Displace to balance plug
  - b. Slowly pull out of cement plug and LD tubing.
  - c. Reverse circulate tubing clear of cement
  - d. WOC and tag TOC @ 50' above intermediate casing.
  - e. If top of cement is deeper than 50', mix and spot cement so top is a minimum depth of 50' above intermediate casing depth. Tag TOC.
28. Pull up to 300'
29. Mix and pump cement for plug from 300'-surface (Class A cement + 2% CaCl<sub>2</sub>, 20% excess included; yield = 1.18 ft<sup>3</sup>/sk, WR=5.2 gal/sk)
30. TOOH
31. Wait on cement 8hrs.
32. Weld marker with API# if possible (API currently unknown)
33. Establish remote dry hole marker & provide direction and distance to DEP.
- Note: In the event survey is unable to be run in the well to TD for a cement plug depth, Applicant will consult with WVDEP OOG in order to mutually agree to appropriate supplemental works deemed necessary

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WW-4C  
Rev 7/27/04

STATE OF WEST VIRGINIA - DEPARTMENT OF ENVIRONMENTAL PROTECTION

SPECIAL NOTICE OF PLUGGING OF AN ABANDONED OIL OR GAS WELL BY AN INTERESTED PARTY WHO IS NOT THE OWNER OR OPERATOR OF THE WELL.

(Page 1 of 2)

ABANDONED WELL TO BE PLUGGED:

API Well No: 47- \_\_\_\_\_ - \_\_\_\_\_

Elevation: 793' Watershed: Outlet McElroy Creek

District: McElroy County: Tyler

Public Road access: CR 23

Generally used Farm Name: Grimm, Dennis

Other description of location: 39.396303, -80.745178

NOTICE TO:

[List any owners of the surface of the land upon which such abandoned well exists and their address or their location for service.]

[List any owner or operator of such abandoned well of record with the Secretary of the Department of Environmental Protection their address or their location for service]

Unable to identify owner or operator on record with the WVDEP and WVGES.

[List any oil or gas lessee of record with the Secretary of the Department of Environmental Protection and their address or location for service:]

NOTICE FROM:

Interested Party Proposing to Plug Well

Name: Antero Resources Corporation

Address: 1615 Wynkoop Street

Denver, CO 80212

Telephone: 303-357-7310

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DOES THE INTERESTED PARTY ELECT TO TAKE THE CASING, EQUIPMENT, AND OTHER SALVAGE WHICH MAY RESULT FORM THE PLUGGING OF THE WELL? [ ] YES [ ] NO [X] N/A

If the interested party has checked "no" then the surface owners may elect to take any casing, equipment or other salvage by sending a notice to the interested party at the address listed above. The interested party must then leave the salvage at a location which will not adversely affect reclamation. If the surface owners do not elect to take the salvage, the interested party must properly dispose of the salvage.

[Service of this notice may be by certified mail return receipt requested (file the return receipt card with the Department of Environmental Protection DEP), personal service (file form WW-70 with the DEP) or by such manner as is sufficient for service of process in a civil action in court (with corresponding proof of service to be filed with the DEP). In the event there is no owner or operator of record with the Chief or no oil and gas lessee of record with the Chief, this notice must be posted in a conspicuous place at or near the well. Service and posting must be done at least 20 days prior to entering onto the surface to began plugging.]

**STATE OF WEST VIRGINIA - DEPARTMENT OF ENVIRONMENTAL PROTECTION****SPECIAL NOTICE OF PLUGGING OF ABANDONED OIL OR GAS WELL BY AN INTERESTED PARTY**

(Page 2 of 2)

**NOTICE INFORMATION FOR SURFACE OWNERS, WELL OWNERS AND OPERATORS, AND OIL AND GAS LESSEES**

It is lawful pursuant to The West Virginia Abandoned Well Act (W.Va. Code 22-6-1 et seq.) and the rules and regulations promulgated pursuant to that law (all of which will be called the "Act" in the rest of this notice) for any interested person, the operator of a well, or the Chief of the Department of Environmental Protection (Chief) to enter upon the premises where any abandoned well is situated and properly plug or replug the well and reclaim any area disturbed by the plugging or replugging. A permit to do the plugging or replugging must be obtained from the West Virginia Department of Environmental Protection.

You are hereby notified that the party proposing to plug the oil or gas well identified on the reverse side of this notice is claiming to be an "interested party" in the plugging of that well as that term is defined by the Act. This interested party is claiming that well is "abandoned" within the meaning of W. Va. Code 22-6-19 because it is a dry hole or because it has not been in "use" for a period of 12 months and no satisfactory proof of a "bona fide" future use" for the well has been furnished to the Director.

**ADDITIONAL NOTICE INFORMATION FOR SURFACE OWNERS**

Any interested person who plugs a well pursuant to the provision of the Act must repair the damage or disturbance resulting from the plugging or compensate the surface owners for the damage or disturbance. This requirement of the Act is in addition to any rights and remedies any party may have pursuant to common law or other statutes. The compensation provided by the Act if the interested party does not fully repair the damage or disturbance is (i) the reasonable cost of repairing or placing any water well, (ii) the reasonable value of any crops destroyed, damaged or prevented from reaching market, (iii) the reasonable cost of repair to personal property up to the value of the replacement value of personal property of like age, wear and quality, (iv) lost income or expense incurred, and (v) reasonable costs to reclaim or repair real property including roads.

When the interested person is finished with the reclamation, the interested person must send the surface owners a letter advising that the reclamation has been completed. If the surface owners do not agree with the interested party that as to the adequacy of the repairs performed or the amount of compensation to which the surface owners may be entitled, either party may bring a civil action in court. In addition either party upon written notice to the other may elect to have that issue finally determined by binding arbitration pursuant to W. Va. Code 55-10-1 et seq. For materials further explaining the arbitration process please contact the Chief.

**ADDITIONAL NOTICE INFORMATION FOR OWNERS OR OPERATORS OF WELLS**

In the event the owner or operator of a well fails or has failed to plug an abandoned well in accordance with laws and regulations in effect at the time the well is or was first subject to plugging requirements, any interested persons who plugs or replugs such well pursuant to the provisions of this section may recover from the owner or operator of such well all reasonable costs incidental to such plugging or replugging, including any compensation provided for in this section. In the event funds from the oil and gas reclamation fund established pursuant to section twenty-nine, article one of this chapter are used to plug or replug such well, the Secretary shall be entitled to recover from the owner or operator of such well any amounts so expended from the fund. Any amounts so recovered by the Chief shall be deposited in said fund.

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**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).

WW-4A  
Revised 6-07

1) Date: June 29th, 2018  
2) Operator's Well Number  
Unknown

3) API Well No.: 47 -

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

<b>4) Surface Owner(s) to be served:</b>	<b>5) (a) Coal Operator</b>
(a) Name <u>Stephen R. Grimm and Tamera K. Grimm</u>	Name <u>NO DECLARATIONS ON RECORD WITH COUNTY</u>
Address <u>3397 Eldersville Rd</u>	Address _____
<u>Colliers, WV 26035</u>	_____
(b) Name <u>Mary Lou Lemasters</u>	(b) Coal Owner(s) with Declaration
Address <u>3340 Eldersville RD</u>	Name <u>NO DECLARATIONS ON RECORD WITH COUNTY</u>
<u>Colliers, WV 26035</u>	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
<b>6) Inspector</b> <u>Justin Snyder</u>	(c) Coal Lessee with Declaration
Address <u>601 57th Street SE</u>	Name <u>NO DECLARATIONS ON RECORD WITH COUNTY</u>
<u>Charleston, WV 25304</u>	Address _____
Telephone <u>681-313-6995</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.

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Well Operator	<u>Antero Resources Corporation</u>	
By:	<u>Kevin Klstrom</u>	<u>JUL 27 2018</u>
Its:	<u>SR Vice President of Production</u>	
Address	<u>1615 Wynkoop Street</u>	<u>WV Department of</u>
	<u>Denver, CO 80202</u>	<u>Environmental Protection</u>
Telephone	<u>303-357-7310</u>	

Subscribed and sworn before me this 25 day of June 2018

My Commission Expires 3/29/2022

KARIN COX NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20184014160 COMMISSION EXPIRES MARCH 29, 2022
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**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).



WW-9  
(5/16)

API Number 47 - \_\_\_\_\_ - \_\_\_\_\_  
Operator's Well No. Unknown

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Antero Resources Corporation OP Code 494507062  
Watershed (HUC 10) Conaway Run Middle Creek Quadrangle Center Point Shirley 7.5'

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No   
Will a pit be used? Yes  No

If so, please describe anticipated pit waste: \_\_\_\_\_

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? \_\_\_\_\_

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number UIC Permit # will be provided on Form WR-34 )
- Reuse (at API Number Future permitted well locations when applicable. API# will be provided on Form WR-34 )
- Off Site Disposal (Supply form WW-9 for disposal location) (Meadowfill Landfill Permit #SWF-1032-98)
- Other (Explain Northwestern Landfill Permit #SWF-1025/WV0109410)

*JOB 7/17/2018*  
*DH*  
*7/17/18*

Will closed loop system be used? If so, describe: Yes, fluids stored in tanks, cuttings removed off site and taken to landfill.

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.

-If oil based, what type? Synthetic, petroleum, etc.

Additives to be used in drilling medium? \_\_\_\_\_

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc.

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) \_\_\_\_\_

-Landfill or offsite name/permit number? \_\_\_\_\_

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, 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.

Office of Oil and Gas

Company Official Signature *Gretchen Kohler*

JUL 27 2018

Company Official (Typed Name) Gretchen Kohler

Company Official Title Senior Environmental & Regulatory Manager

WV Department of Environmental Protection

Subscribed and sworn before me this 25 day of June, 2018

*[Signature]*

Notary Public

My commission expires 3/29/2018 3/29/2022

KARIN COX  
NOTARY PUBLIC  
STATE OF COLORADO  
NOTARY ID 20184014160  
MY COMMISSION EXPIRES MARCH 29, 2022

Form WW-9

Operator's Well No. Unknown

Proposed Revegetation Treatment: Acres Disturbed 1.91 Prevegetation pH \_\_\_\_\_

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

Fertilizer type \_\_\_\_\_

Fertilizer amount 500 lbs/acre

Mulch 2-3 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Annual Ryegrass	<u>40</u>	Crownvetch	<u>10-15</u>
Field Bromegrass	<u>40</u>	Tall Fescue	<u>30</u>

Please reference Table IV-3 on page 5 of the Alta Well Plugging Plan

Please reference Table IV-4A on page 5 of the ALTA Well Plugging Plan

\*or type of grass seed requested by surface owner

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

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

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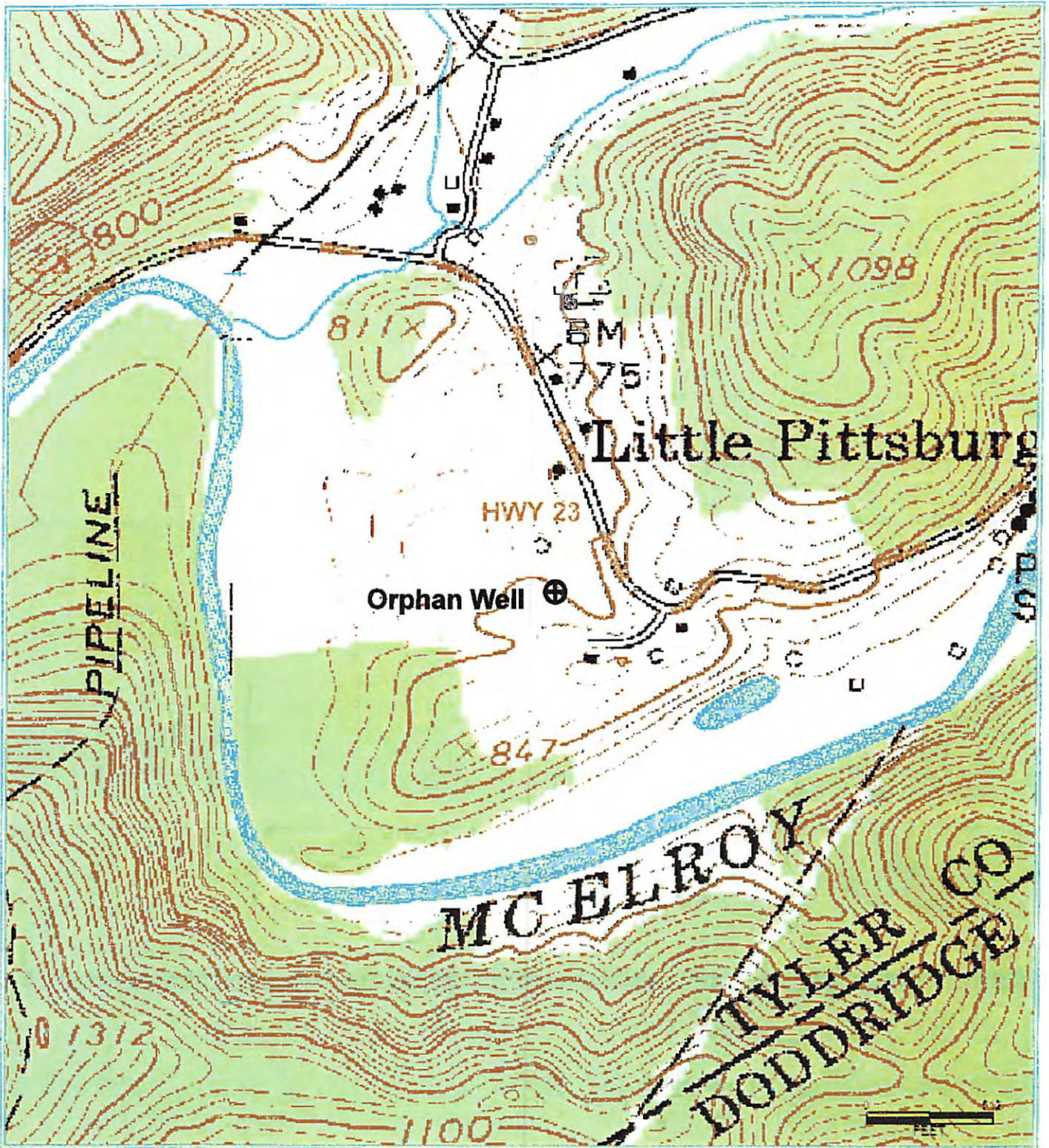
JUL 27 2018

Title: Oil & Gas Inspector

Date: 7/17/2018

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Field Reviewed? (  ) Yes (  ) No



**Antero Resources Corporation**  
Appalachian Basin  
Orphan Well  
Tyler County

Quadrangle: Center Point  
Watershed: McElroy Creek  
District: McElroy  
Date: 4-30-2018

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WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
**WELL LOCATION FORM: GPS**

API: Unknown WELL NO.: Unknown  
 FARM NAME: Grimm, Dennis  
 RESPONSIBLE PARTY NAME: Antero Resources Corporation  
 COUNTY: Tyler DISTRICT: McElroy  
 QUADRANGLE: Center Point & Shirley  
 SURFACE OWNER: Stephen R. & Tamera K. Grimm, Gary & Lori Dennis  
 ROYALTY OWNER: Unknown  
 UTM GPS NORTHING: 4360790.75 m  
 UTM GPS EASTING: 521952.58 m GPS ELEVATION: 793.5 m<sup>FT.</sup>

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  : Post Processed Differential \_\_\_\_\_  
 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.

May Sims  
Signature

Permitting Supervisor  
Title

6/25/18  
Date