

PERMIT NO. 14-132

**DODDRIDGE COUNTY
FLOODPLAIN DEVELOPMENT
PERMIT**

PURPOSE FOR PERMIT: WATER LINE

ISSUED TO ANTERO RESOURCES CORP.

ADDRESS: 1625 17TH ST, DENVER CO, 80202

PROJECT ADDRESS: BIG FLINT & ROCK RUN

ISSUED BY: Ralph Sander

DATE: 3-31-14

CONSTRUCTION MUST START WITHIN 180 DAYS FROM ISSUED DATE. PERMIT EXPIRES IN 12 MONTHS FROM ISSUED DATE. IF EXTENTION IS NEEDED A REQUEST MUST BE MADE IN WRITING STATING A REASON FOR THE EXTENTION.

THIS PERMIT MUST BE POSTED ON THE PREMISES IN A CONSPICUOUS PLACE SO AS TO BE CLEARLY VISIBLE FROM THE STREET.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: # 14-132
Gaeten & Mary Edwina Martin
HC 67 Box 60
West Union, WV 26456

COMPLETE THIS SECTION ON DELIVERY

A. Signature  Agent
 Addressee

B. Received by (Printed Name) _____ C. Date of Delivery
B-2014

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No
4874 Rock Run Rd.
West Union, WV 26456

3. Service Type
 Certified Mail® Priority Mail Express™
 Registered Return Receipt for Merchandise
 Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number (Transfer from service label) 7013 2250 0001 6914 8179

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: #14-132

Charles Fetty
5242 Rock Run Rd
West Union, WV 26456

2. Article Number
(Transfer from service label)

7013 2250 0001 6914 8186

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Charles Fetty

- Agent
 Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

- Certified Mail® Priority Mail Express™
 Registered Return Receipt for Merchandise
 Insured Mail Collect on Delivery

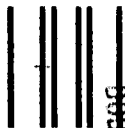
4. Restricted Delivery? (Extra Fee) Yes

UNITED STATES POSTAL SERVICE

WV 250

15 MAR '14

PM 2 11



BETH A. ROGER
COUNTY CLERK
DODDRIDGE COUNTY, WV

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

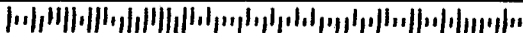
2014 MAR 17 PM 12:13

FILED

• Sender: Please print your name, address, and ZIP+4 in this box •

Ralph Sandora, Jr.
Doddridge Co. Flood Plain MGT
118 East Court St, Room 102
West Union, WV 26456

26456129799



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: #14-132
 Kenneth Hoskinson
 HC67 Box 62
 West Union, WV 26456

2. Article Number
 (Transfer from service label)

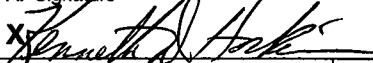
7013 2250 0001 6914 8193

PS Form 3811, July 2013

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X 

- Agent
 Addressee

B. Received by (Printed Name)

C. Date of Delivery

3/20/14

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

5175 Rock Run Rd
 West Union, WV 26456

3. Service Type

- Certified Mail® Priority Mail Express™
 Registered Return Receipt for Merchandise
 Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee) Yes

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

- WV 250
20 MAR '14
EN 71
- Sender: Please print your name, address, and ZIP+4® in this box•

Ralph Sandora, Jr.
Doddridge Co. Flood Plain MGT
118 East Court St, Room 102
West Union, WV 26456



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: #14-132
 Ida & Wallace Ash
 HC 67 Box 61
 West Union, WV 26456

2. Article Number
 (Transfer from service label)

7013 2250 0001 6914 8162

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Ida C. Ash*

 Agent Addressee

B. Received by (Printed Name)

Ida C. Ash

C. Date of Delivery

3-22-14

D. Is delivery address different from item 1? YesIf YES, enter delivery address below: No

*4925 Rock Run Rd.
 West Union, WV 26456*

3. Service Type

 Certified Mail® Priority Mail Express™ Registered Return Receipt for Merchandise Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee)

 Yes

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

22 MAR '14

• Sender: Please print your name, address, and ZIP+4® in this box •

FILED

2014 MAR 24 PM 12:06

CLERK
COUNTY CLERK
DODD COUNTY, WV

Sandora, Jr.
Bridge Co. Flood Plain MGT
118 West Court St, Room 102
West Union, WV 26456





Vendor Name	Vendor No.	Date	Check Number	Check Total
DODDRIDGE COUNTY COMMISSION	43312	Feb-21-2014	49630	\$1,678.35

VOUCHER	VENDOR INV #	INV DATE	TOTAL AMOUNT	PRIOR PMTS & DISCOUNTS	NET AMOUNT
02-AP-8401	JEANTOFOREST	02/20/14	1,678.35	0.00	1,678.35
	FLOOD PLAIN PERMIT				
	TOTAL INVOICES PAID				1,678.35

*Pearl Jean Impoundment to Forest well Pad Waterline

#14-132

DETACH AND RETAIN FOR TAX PURPOSES

Doddridge County, West Virginia

RECEIPT NO: 1581

DATE: 2014/03/05

FROM: ANTERO RESOURCES CORP

AMOUNT: \$ 1,678.35

ONE THOUSAND SIX HUNDRED SEVENTY EIGHT DOLLARS AND 35 CENTS

FOR: #14-132 PEARL JEAN IMPOUNDMENT TO FOREST WELL PAD WATERLINE

00000049630 FP-BUILDING PERMITS

020-318

TOTAL: \$1,678.35

MICHAEL HEADLEY
 SHERIFF & TREASURER

MEC
 CLERK

Legal Advertisement:
Doddridge County
Floodplain Permit Application

Please take notice that on the 12th day of March, 2014

ANTERO RESOURCES APPALACHIAN CORPORATION –
PEARL JEAN IMPOUNDMENT TO FOREST WELL PAD WATERLINE # 14-132

filed an

application for a Floodplain Permit to develop land located at or
about: **SURFACE OWNERS: WALLACE & IDA ASH, PROVERY RUN**
GRANT DISTRICT, D/B: 232/351,248/303,29/103,&182/219
TAX MAP: 6/24,9/35,6/25, & 6/20.2

The Application is on file with the Clerk of the County Court and
may be inspected or copied during regular business hours.

Any interested persons who desire to comment shall present
the same in writing by **MARCH 31, 2014**

Delivered to the:

Clerk of the County Court

118 E. Court Street, West Union, WV 26456.

Beth A Rogers, Doddridge County Clerk

Ralph Sandora, Jr., Doddridge County Flood Plain Manager

Item	Amount	Units	Unit Cost/Foot	Total
Silt Fence	240	feet	\$ 5	\$ 1,200
Orange Safety Fence	240	feet	\$ 3	\$ 720
24" HDPE water line	250	feet	\$ 815	\$ 203,750
Restore disturbed area	0.8	acres	\$ 25,000	\$ 20,000
Stream Crossing	1.0	each	\$ 10,000	\$ 10,000
			Total Construction Cost Estimate =	\$ 235,670

Doddridge County Floodplain Fee Calculator	
Estimated Construction Costs	\$235,670.00
Amount over \$100,000	\$135,670.00
Initial fee	\$1,000.00
\$5 per \$1,000 over \$100,000	\$678.35
Cost for permit	\$1,678.35

Antero Resources Corporation

Pearl Jean Impoundment to Forest Well Pad Waterline (North/South Canton Waterline)

**THRASHER GROUP, INC. PROJECT # 101-010-0759
FRIM PANEL 130 OF 325**

DODDRIDGE COUNTY LOCATION IMPROVEMENT PERMIT



February 2014

#14-132



Antero Resources
1625 17th Street
Denver, Colorado 80202
Office 303.357.7310
Fax 303.357.7315

February 20, 2014

Doddridge County Commission
Attn: Doddridge County Floodplain Manager
118 East Court Street, Room 102
West Union, WV 26456

To Whom It May Concern:

Antero Resources Corporation (Antero) would like to submit a Doddridge County Floodplain permit application for our Pearl Jean Impoundment to Forest Well Pad Waterline. As shown on the enclosed FIRM Map, a 75' portion of the waterline will bore beneath the floodplain. The proposed project area will be traversed utilizing HDD bore construction methods and therefore should not affect the base flood elevation.

Attached you will find the following:

- Doddridge County Floodplain Permit Application and required permit fee
- FIRM Map
- WV Flood Tool Map
- Copies of approved State/ Federal permits

If you have any questions please feel free to contact me at (303) 357-6412.

Thank you in advance.

Sincerely,

A handwritten signature in cursive script that reads "Shaye Marshall".

Shaye Marshall
Permit Representative
Antero Resources Corporation

Enclosures

FILED
2014 FEB 25 PM 1:39
BETH A. ROGERS
COUNTY CLERK
DODDRIDGE COUNTY, WV

THRASHER

February 19, 2014

Doddridge County Commission
118 East Court Street
West Union, WV 26456

**RE: *Doddridge County Floodplain Development Permit
Antero Resources Corporation
Pearl Jean Impoundment to Forest Well Pad Waterline Project (North/South Canton),
Doddridge County, West Virginia
Thrasher Project #101-010-0759***

To Whom It May Concern:

On behalf of Antero Resources Corporation (Antero), the Thrasher Group, Inc. (Thrasher), is submitting to your office for review and approval an application package for a Doddridge County Floodplain Development Permit for a proposed underground waterline project in the USGS Center Point and Smithburg 7.5 minute quadrangles of Doddridge County, WV. The proposed project area, which enters the floodplain, consists of a 75' construction right-of-way (ROW) and contains approximately 0.43 acres. The proposed project area will be traversed utilizing HDD bore construction methods and therefore should not raise the floodplain. The proposed 24" HDPE waterline originates at the Pearl Jean Impoundment, at approximate coordinates 39.290596 N, 80.675273 W, and then travels northwest to the existing Forest Well Pad, at approximate coordinates 39.395386 N, 80.741178 W. Additionally, the proposed project area is located within the floodplain associated with Poverty Run. Please see attached USGS map, tax maps, and surface owners table.

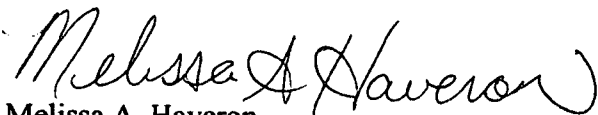
The total waterline length, within the floodplain, is approximately 250 LF. The cost of proposed construction within the floodplain is \$235,670 and will take place on the Ash property. Upstream of the proposed crossing is owned by Kenneth Hoskinson and Charles Fetty and downstream is owned by Gaetan and Mary Marin. No new access roads are proposed to be constructed for the proposed floodplain crossing. In addition, no permanent above-ground structures are proposed to be constructed within the 100 year flood plain. Please see attached WV Flood Tool map and FIRM map (FRIM Panel 130 of 325) with the waterline overlaid.

If any further documentation is required for this project, or if any questions may arise please feel free to contact me at your convenience at (304) 205-8818 or mhaveron@thrashereng.com

Doddridge County Commission
Page 2
February 19, 2014

Sincerely,

THE THRASHER GROUP, INC.



Melissa A. Haveron
Environmental Scientist



MATTHEW W. F. WEST
REGISTERED PROFESSIONAL ENGINEER
STATE OF WEST VIRGINIA
16375

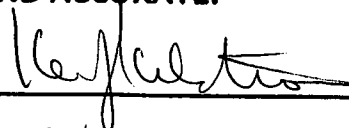
#14-132

DODDRIDGE COUNTY FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

SECTION 1: GENERAL PROVISIONS (APPLICANT TO READ AND SIGN)

1. No work may start until a permit is issued.
2. The permit may be revoked if any false statements are made herein.
3. If revoked, all work must cease until permit is re-issued.
4. Development shall not be used or occupied until a Certificate of Compliance is issued.
5. The permit will expire if no work is commenced within six months of issuance.
6. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
7. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
8. **I, THE APPLICANT CERTIFY THAT ALL STATEMENTS HEREIN AND IN ATTACHMENTS TO THIS APPLICATION ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND ACCURATE.**

APPLICANT'S SIGNATURE _____



DATE _____

2/20/14

SECTION 2: PROPOSE DEVELOPMENT (TO BE COMPLETED BY APPLICANT).

IF THE APPLICANT IS NOT A NATURAL PERSON, THE NAME, ADDRESS, AND TELEPHONE NUMBER OF A NATURAL PERSON WHO SHALL BE APPOINTED BY THE APPLICANT TO RECEIVE NOTICE PURSUANT TO ANY PROVISION OF THE CURRENT DODDRIDGE COUNTY FLOODPLAIN ORDINANCE.

APPLICANT'S NAME: Antero Resources Corporation

ADDRESS: 1625 17th Street, Denver, CO 80202

TELEPHONE NUMBER: Contact Shauna DeMattee: 303-357-6820

BUILDER'S NAME: _____
ADDRESS: _____
TELEPHONE NUMBER: _____

ENGINEER'S NAME: Matthew Fluharty, PE, The Thrasher Group
ADDRESS: 600 White Oaks Boulevard, PO Box 940 Bridgeport, WV 26330
TELEPHONE NUMBER: (304)624-4108

PROJECT LOCATION:

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Please see attached Exhibit A

ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Please see attached Exhibit A

DISTRICT: Grant District

DATE/FROM WHOM PROPERTY

PURCHASED: _____

LAND BOOK DESCRIPTION: Please see attached Exhibit A

DEED BOOK REFERENCE: Please see attached Exhibit A

TAX MAP REFERENCE: _____

EXISTING BUILDINGS/USES OF PROPERTY: _____

NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY _____

ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY _____

To avoid delay in processing the application, please provide enough information to easily identify the project location.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

ACTIVITY

STRUCTURAL TYPE

- | | |
|---------------------------------------------------|-----------------------------------------------------------|
| <input checked="" type="checkbox"/> New Structure | <input type="checkbox"/> Residential (1 – 4 Family) |
| <input type="checkbox"/> Addition | <input type="checkbox"/> Residential (more than 4 Family) |
| <input type="checkbox"/> Alteration | <input type="checkbox"/> Non-residential (floodproofing) |
| <input type="checkbox"/> Relocation | <input type="checkbox"/> Combined Use (res. & com.) |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Replacement |
| <input type="checkbox"/> Manufactured/Mobil Home | |

B. OTHER DEVELOPMENT ACTIVITIES:

- Fill Mining Drilling Pipelining
- Grading
- Excavation (except for STRUCTURAL DEVELOPMENT checked above)
- Watercourse Altercation (including dredging and channel modification)
- Drainage Improvements (including culvert work)
- Road, Street, or Bridge Construction
- Subdivision (including new expansion)
- Individual Water or Sewer System
- Other (please specify)
-

C. STANDARD SITE PLAN OR SKETCH

1. **SUBMIT ALL STANDARD SITE PLANS, IF ANY HAVE BEEN PREPARED.**
2. **IF STANDARD SITE PLANS HAVE NOT BEEN PREPARED:**
SKETCH ON A SEPARATE 8 ½ X 11 INCH SHEET OF PAPER THE SHAPE AND LOCATION OF THE LOT. SHOW THE LOCATION OF THE INTENDED CONSTRUCTION OR LAND USE INDICATING BUILDING SETBACKS, SIZE & HEIGHT. IDENTIFY EXISTING BUILDINGS, STRUCTURES OR LAND USES ON THE PROPERTY.
3. **SIGN AND DATE THE SKETCH.**

ACTUAL TOTAL CONSTRUCTION COSTS OF THE COMPLETE DEVELOPMENT IRRESPECTIVE OF WHETHER ALL OR ANY PART OF THE SUBJECT PROPOSED CONSTRUCTION PROJECT IS WITHIN THE FLOODPLAIN \$ 235,670.00

*Please see attached bid sheet

D. ADJACENT AND/OR AFFECTED LANDOWNERS:

1. NAME AND ADDRESS OF ALL OWNERS OF SURFACE TRACTS ADJACENT TO THE AREA OF THE SURFACE TRACT (UP & DOWN STREAM) UPON WHICH THE PROPOSED ACTIVITY WILL OCCUR AND ALL OTHER SURFACE OWNERS UP & DOWN STREAM) WHO OWN PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY (IF ONE HAS BEEN COMPLETED).

NAME: Please see attached Exhibit A _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

1. NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON ANY ADJACENT PROPERTY AT THE TIME THE FLOODPLAIN PERMIT APPLICATION IS FILED AND THE NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN ANY HOME ON ANY PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY.

NAME: Please see attached Exhibit A _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

E. CONFIRMATION FORM

THE APPLICANT ACKNOWLEDGES, AGREES, AND CONFIRMS THAT HE/IT WILL PAY WITHIN 30 DAYS OF RECEIPT OF INVOICE BY THE COUNTY FOR ALL EXPENSES RELATIVE TO THE PERMIT APPLICATION PROCESS GREATER THAN THE REQUIRED DEPOSIT FOR EXPENSES INCLUDING:

- (A) PERSONAL SERVICE OF PROCESS BY THE DODDRIDGE COUNTY SHERIFF AT THE RATES PERMITTED BY LAW FOR SUCH SERVICE.
- (B) SERVICE BY CERTIFIED MAIL RETURN RECEIPT REQUESTED.
- (C) PUBLICATION.

- (D) COURT REPORTING SERVICES AT ANY HEARINGS REQUESTED BY THE APPLICANT.
- (E) CONSULTANTS AND/OR HEARING EXPERTS UTILIZED BY DODDRIDGE COUNTY FLOODPLAIN ADMINISTRATOR/MANAGER OR FLOODPLAIN APPEALS BOARD FOR REVIEW OF MATERIALS AND/OR TESTIMONY REGARDING THE EFFICACY OF GRANTING OR DENYING THE APPLICANT'S FLOODPLAIN PERMIT.

NAME (PRINT): Kevin Kilstrom - VP of Production

SIGNATURE:  DATE: 2/20/14

After completing SECTION 2, APPLICANT should submit form to Floodplain Administrator/Manager or his/her representative for review.

SECTION 3: FLOODPLAIN DETERMINATION (to be completed by Floodplain Administrator/Manager or his/her representative)

THE PROPOSED DEVELOPMENT:

THE PROPOSED DEVELOPMENT IS LOCATED ON:

FIRM Panel: 130c
 Dated: 10-4-11

Is **NOT** located in a Specific Flood Hazard Area (Notify applicant that the application review is complete and **NO FLOODPLAIN DEVELOPMENT PERMIT IS REQUIRED**).

Is located in Special Flood Hazard Area.
 FIRM zone designation _____
 100-Year flood elevation is: _____ NGVD (MSL)

Unavailable

The proposed development is located in a floodway.
 BFBM Panel No. _____ Dated _____

See section 4 for additional instructions.

SIGNED

Ralph Dunder

DATE

3-31-14

**SECTION 4: ADDITIONAL INFORMATION REQUIRED (To be completed by
Floodplain Administrator/Manager or his/her representative)**

The applicant must submit the documents checked below before the application can be processed.

- A plan showing the location of all existing structures, water bodies, adjacent roads, lot dimensions and proposed development.
- Development plans, drawn to scale, and specifications, including where applicable: details for anchoring structures, storage tanks, proposed elevation of lowest floor, (including basement or crawl space), types of water resistant materials used below the first floor, details of flood proffing of utilities located below the first floor and details of enclosures below the first floor. Also _____

- Subdivision or other development plans (If the subdivision or development exceeds 50 lots or 5 acres, whichever is the lesser, the applicant must provide 100-year flood elevations if they are not otherwise available).
- Plans showing the extent of watercourse relocation and/or landform alterations.
- Top of new fill elevation _____ Ft. NGVD (MSL).
For floodproofing structures applicant must attach certification from registered engineer or architect.
- Certification from a registered engineer that the proposed activity in a regulatory floodway will not result in any increase in the height of the 100-year flood. A copy of all data and calculations supporting this finding must also be submitted.
- Manufactured homes located in a floodplain area must have a West Virginia Contractor's License and a Manufactured Home Installation License as required by the Federal Emergency Management Agency (FEMA).

Other:

SECTION 5: PERMIT DETERMINATION (To be completed by Floodplain Administrator/Manager or his/her representative)

I have determined that the proposed activity (**type is or is not**) in conformance with provisions of the Floodplain Ordinance adopted by the County Commission of Doddridge County on May 21, 2013. The permit is issued subject to the conditions attached to and made part of this permit.

SIGNED _____ DATE _____

If the Floodplain Administrator/Manager found that the above was not in conformance with the provisions of the Doddridge County Floodplain Ordinance and/or denied that application, the applicant may complete an appealing process below.

APPEALS: Appealed to the County Commission of Doddridge County? Yes No
Hearing Date: _____
County Commission Decision - Approved Yes No

CONDITIONS: _____

SECTION 6: AS-BUILT ELEVATIONS (To be submitted by APPLICANT before Certificate of Compliance is issued).

The following information must be provided for project structures. This section must be completed by a registered professional engineer or a licensed land surveyor (or attach a certification to this application).

COMPLETE 1 OR 2 BELOW:

- 1 Actual (As-Built) Elevation of the top of the lowest floor (including basement or crawl space is _____ FT. NGVD (MSL)
- 2 Actual (As Built) elevation of floodproofing is _____ FT. NGVD (MSL)

Note: Any work performed prior to submittal of the above information is at risk of the applicant.

SECTION 7: COMPLIANCE ACTION (To be completed by the Floodplain Administrator/Manager or his/her representative).

The Floodplain Administrator/Manager or his/her representative will complete this section as applicable based on inspection of the project to ensure compliance with the Doddridge County Floodplain Ordinance.

INSPECTIONS:

DATE: _____ BY: _____
DEFICIENCIES ? Y/N

COMMENTS _____

SECTION 8: CERTIFICATE OF COMPLIANCE (To be completed by Floodplain Administrator/Manager or his/her representative).

Certificate of Compliance issued: DATE: _____ BY: _____

**CERTIFICATE OF COMPLIANCE
FOR DEVELOPMENT IN SPECIAL FLOOD HAZARD AREA
(OWNER MUST RETAIN)**

PERMIT NUMBER: _____

PERMIT DATE: _____

PURPOSE –

CONSTRUCTION LOCATION: _____

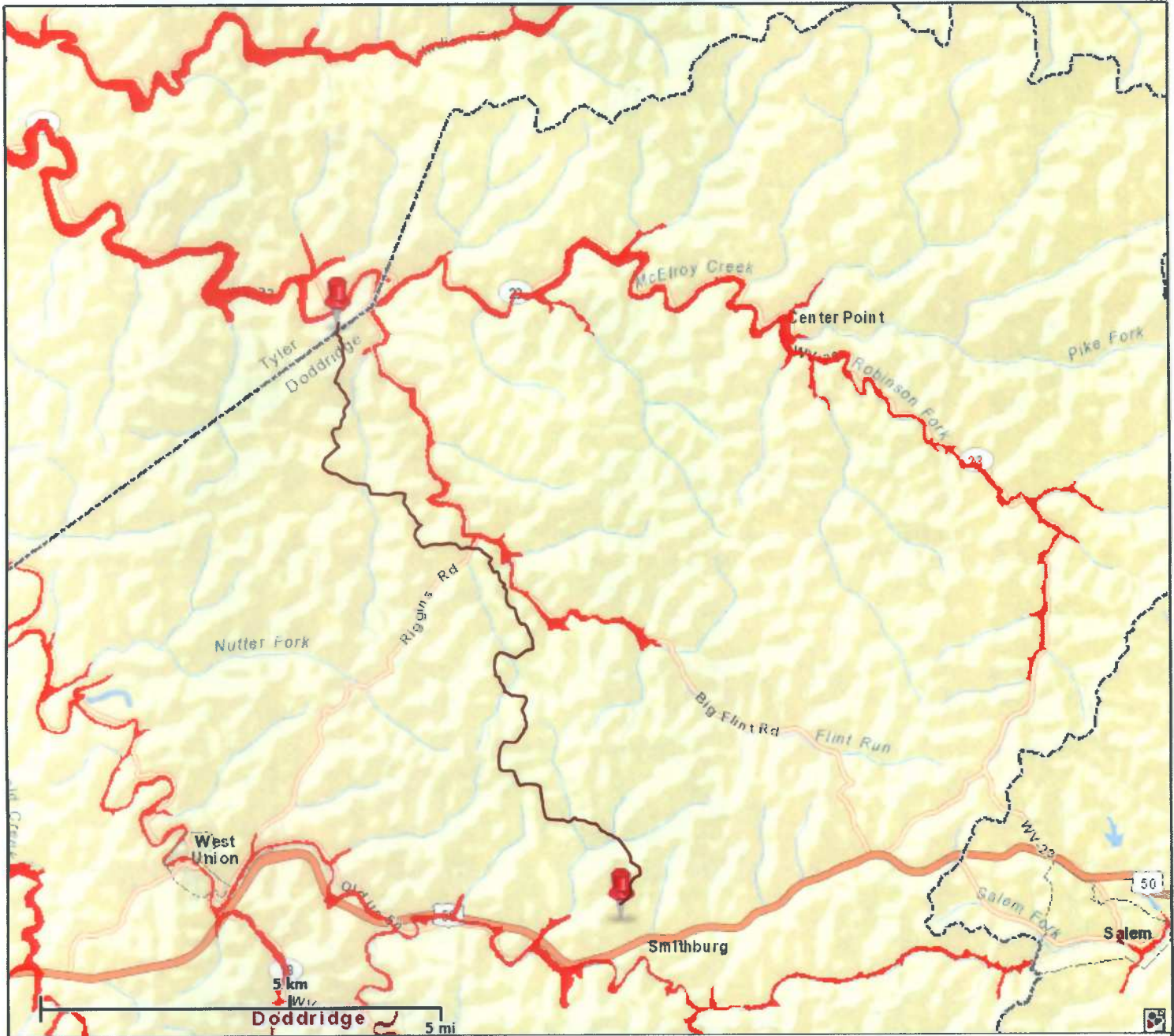
OWNER'S ADDRESS: _____

**THE FOLLOWING MUST BE COMPLETED BY THE FLOODPLAIN
ADMINISTRATOR/MANAGER OR HIS/HER AGENT.**

**COMPLIANCE IS HEREBY CERTIFIED WITH THE REQUIREMENT OF THE
FLOODPLAIN ORDINANCE ADOPTED BY THE COUNTY COMMISSION OF
DODDRIDGE COUNTY ON MAY 21, 2013.**



SIGNED _____ **DATE** _____

WV Flood Map



This map is not the official regulatory FIRM or DFIRM. Its purpose is to assist with determining potential flood risk for the selected location.

Map Created on 2/19/2014

-  Location of the mouse click
-  **Flood Hazard Zone**
(1% annual chance floodplain)

User Notes:

Disclaimer:

The online map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. To obtain more detailed information in areas where Base Flood Elevations have been determined, users are encouraged to consult the latest Flood Profile data contained in the official flood insurance study. These studies are available online at www.msc.fema.gov.

WV Flood Tool is supported by FEMA, WV NFIP Office, and WV GIS Technical Center (<http://www.MapWV.gov/flood>)

- Flood Hazard Area:**
- Elevation:**
- Location (long, lat):**
- Location (UTM 17N):**
- FEMA Issued Flood Map:**
- Contacts:**
- CRS Information:**
- Parcel Number:**

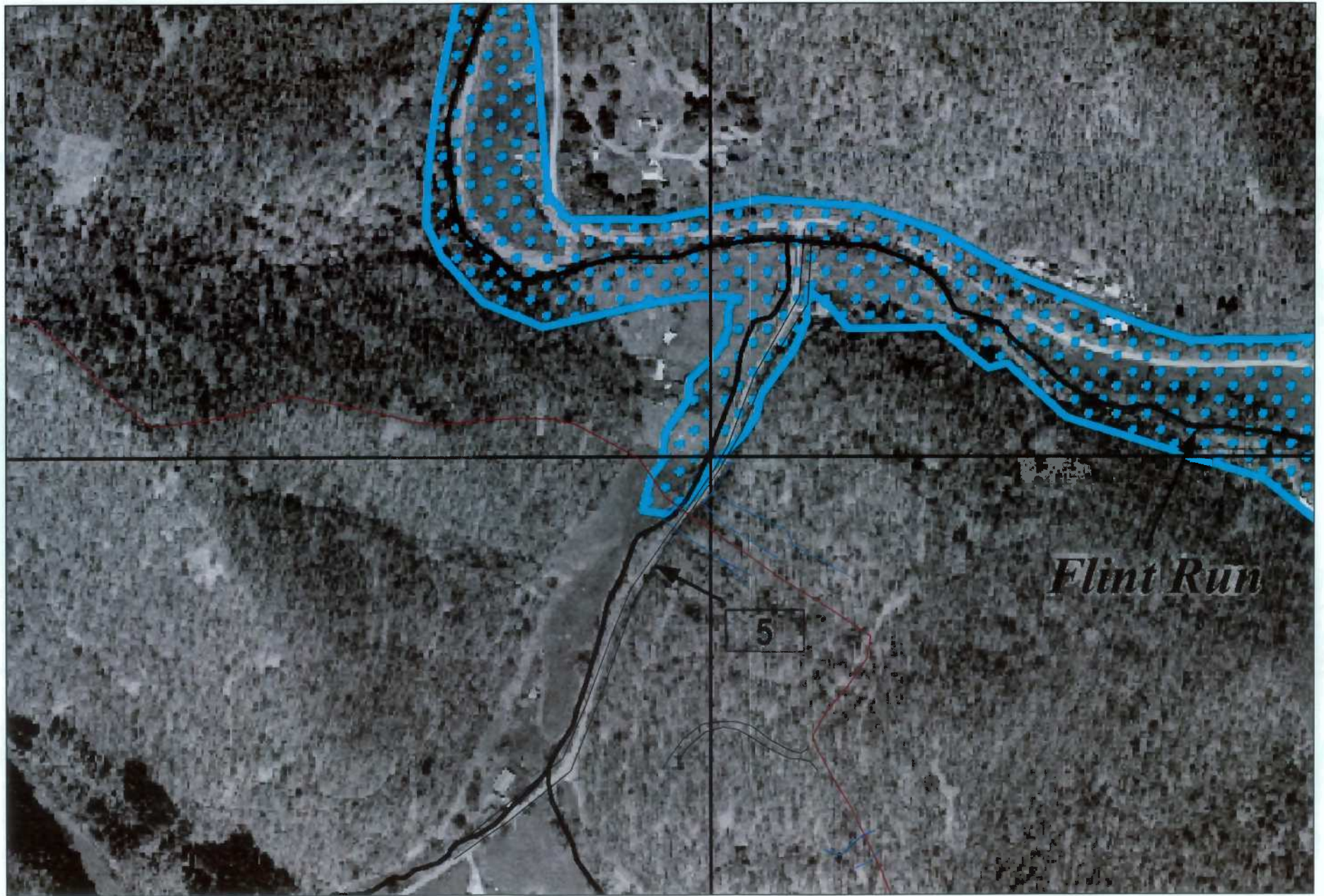
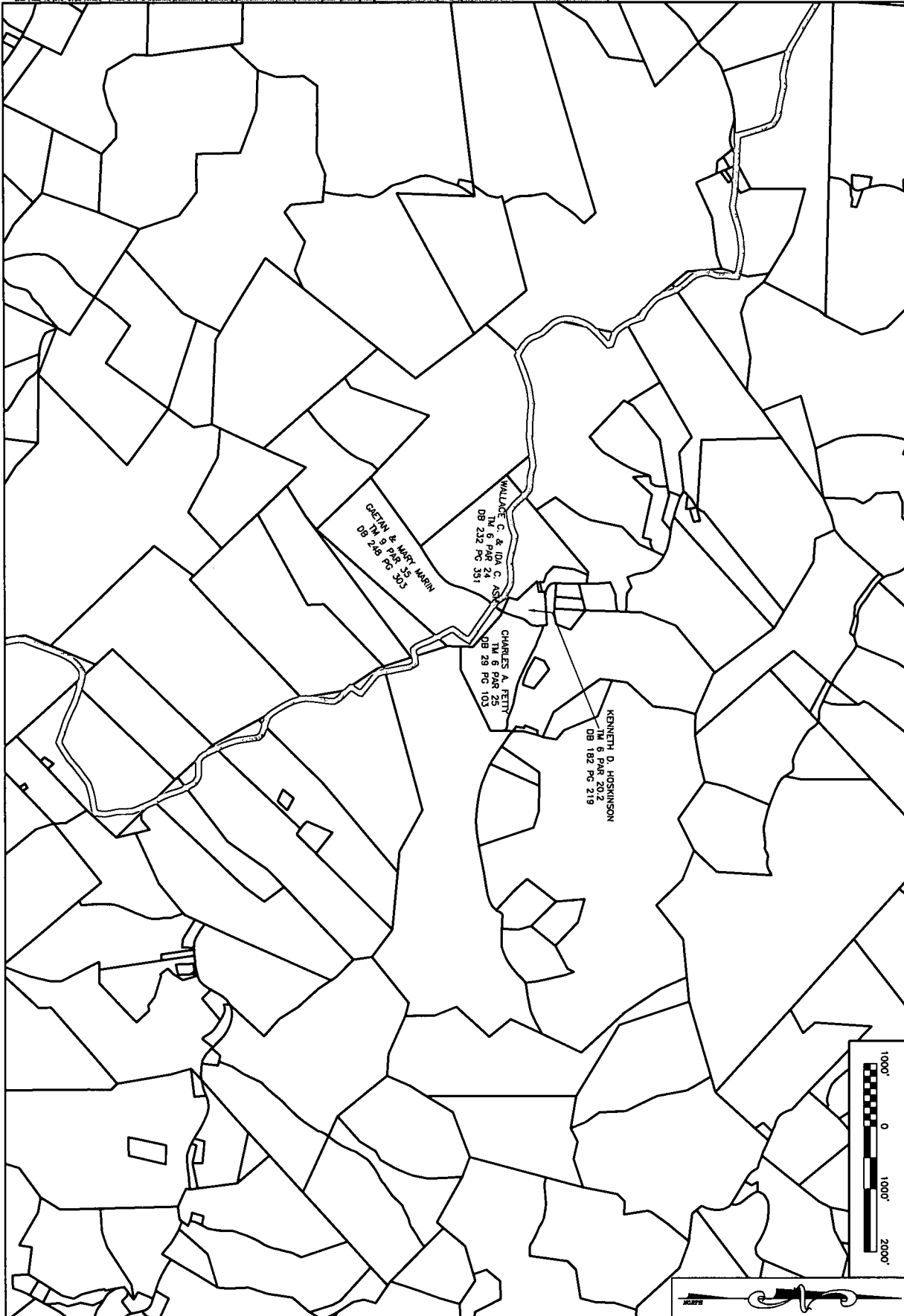


EXHIBIT A

 =Surface Owner

Dist. Name	Dist	Map	Par	Sub	Owner	Address	City, St, Zip	Loc	Book	Page	Legal Des.
GRANT	3	6	24		Wallace & Ida Ash	HC 67 BOX 61	WEST UNION, WV 26456	RT2 W UNION RT3 AND RT5	232	351	BIG FLINT 68.89 AC
GRANT	3	9	35		MARIN GAETAN & MARY EDWINA	HC 67 BOX 60	WEST UNION, WV 26456	RT 5 AND RT 30	248	303	61.243 AC BIG FLINT
GRANT	3	6	25		FETTY CHARLES A	5242 ROCK RUN RD	WEST UNION, WV 26456	RT 5 AND RT 3	29	103	BIG FLINT 32.74 AC
GRANT	3	6	20	2	HOSKINSON KENNETH D	H C 67 BOX 62	WEST UNION, WV 26456	RT 5 & RT 3	182	219	6.12 AC FLINT RUN



MAP
 ANTERO RESOURCES CORPORATION
 CANTON NORTH / SOUTH WATER LINE
 PEARL JEAN TO FORREST
 TAX MAP

PHONE: (214) 424-1101
THRASHER
 ONE - ENVIRONMENTAL - CONSULTING - FIELD SERVICES
 800 WYDE GARD ROAD - BRIDGEPORT, TX 75630

DATE: 02/19/14	SCALE: AS SHOWN
DESIGNED: []	DRAWN: []
CHECKED: []	DATE: []
PROJECT NO: []	DATE: []
BY: []	DATE: []
DESCRIPTION: []	DATE: []

101-010-0759



Figure 1: Project Location
 North/South Canton Waterline
 Doddridge & Tyler Counties - West Virginia

Permitting



10-0115
Melissa Haveron

Give- Emmy Msaitif

DIVISION OF NATURAL RESOURCES
Wildlife Resources Section
Operations Center
P.O. Box 67
Elkins, West Virginia 26241-3235
Telephone (304) 637-0245
Fax (304) 637-0250

Earl Ray Tomblin
Governor

Frank Jezioro
Director

October 16, 2013

Ms. Melissa Haveron
The Thrasher Group, Inc.
PO Box 940
Bridgeport, WV 26330

Dear Ms. Haveron:

We have reviewed our files for information on rare, threatened and endangered (RTE) species and sensitive habitats for the area of the proposed North/South Canton waterline project (Pearl Jean to Forest) in Doddridge and Tyler counties, WV (Project #101-010-0715).

We have no known records of any RTE species or sensitive habitats within the project area. Because McElroy Run is an endangered mussel stream, US Fish and Wildlife Service consultation will be required prior to horizontal directional drilling the stream. The Wildlife Resources Section knows of no surveys that have been conducted in the area for rare species or rare species habitat. Consequently, this response is based on information currently available and should not be considered a comprehensive survey of the area under review.

The information provided above is the product of a database search and retrieval. This information does not satisfy other consultation or permitting requirements for disturbances to the natural resources of the state, and further consultation may be required. Additionally, any concurrence requirements for federally listed species must come from the US Fish and Wildlife Service.

Thank you for your inquiry, and should you have any questions please feel free to contact me at the above number, extension 2048. Enclosed please find an invoice.

Sincerely,

Barbara Sargent
Environmental Resources Specialist
Wildlife Diversity Unit

enclosure

RECEIVED

S:\Monthly\Barb\Invoices\Thrasher2.doc

OCT 21 2013

Antero Resources Appalachian Corporation
P-13-1/17-1397
Page 2
October 30, 2013

- Crossings using methods other than directional boring. Must be completed in 1 work day.
- Only ephemeral/intermittent streams that are dry can be trenched.

Bank Stabilization

All bank stabilization projects must begin immediately upon completion of utility line crossing and be completed within 24 hours of completion of utility line crossing.

Freshwater Mussels

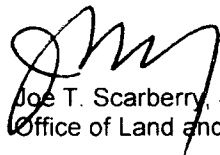
Mussel surveys on streams with known US Fish and Wildlife listed or candidate endangered species will be required if directional boring is not an option. Contact Janet Clayton of the WVDNR Wildlife Diversity Program for information concerning mussels at 304-637-0245.

For further assistance, contact the appropriate WVDNR District Fisheries Biologist.
District 1 304-825-6787 District 2 304-822-3551 District 3 304-924-6211
District 4 304-256-6947 District 5 304-675-0871 District 6 304-420-4550

The issuance of this License and Right of Entry by the Division of Natural Resources does not preclude the necessity to obtain a permit from the Corps of Engineers or any other state or federal permits which may be required by law, nor does this License and Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This License and Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this License and Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your check in the amount of \$4875.00 is now due and payable to the Division of Natural Resources covering the (10) ten-year fee of this agreement. Your agreement will be effective upon receipt of your payment in full.

Sincerely,


Joe T. Scarberry, Supervisor
Office of Land and Streams

JTS:cs

attachment

pc: DNR Fish Biologist
Mr. Mike Zeto, Environmental Enforcement
DNR Conservation Officers

10-715
Permit



Melissa Haveron
give invoice to Emmy

DIVISION OF NATURAL RESOURCES
324 Fourth Avenue, Room 200
South Charleston WV 25303-1228
TDD (304) 558-1439
TDD 1-800-354-6087
Fax (304) 558-6048
Telephone (304) 558-3225

Earl Ray Tomblin
Governor

Frank Jezioro
Director

NOV 04 2013

October 30, 2013

Division of Natural Resources
LICENSE AND RIGHT OF ENTRY

Re: P-13-I/17-1397

Antero Resources Appalachian Corporation,
Brett Fletcher
c/o Thrasher Group, Inc.
Attention: Melissa Haveron
600 White Oaks Blvd., PO Box 940
Bridgeport, WV 26330-

Dear Mr. Fletcher:

The Division of Natural Resources hereby grants to you for a term of 10 years, from the date hereof, a License and Right of Entry to construct, replace, cover, repair, operate, maintain, use and remove a twenty-four inch (24") HDPE waterline (North/South Canton Waterline Project) at fifteen (15) separate locations along Israel Fork, an unnamed tributary of Israel Fork, Little Flint Run, unnamed Tributaries of Little Flint Run, McElroy Creek, an unnamed tributary of McElroy Creek, Morgans Run, Poverty Run, Righthand Fork, and Wolfpen Rd, Clarksburg District, Harrison County, West Virginia, as shown located and highlighted in red on the map attached hereto as Exhibit A - P.

This License and Right of Entry is subject to the following terms and conditions:

High Quality Streams (HQS) as listed in the West Virginia Division of Natural Resources High Quality Stream Sixth Edition published in 2001 and for any trout streams and direct tributaries of trout streams:

- Directional boring is the only method permitted during the fish spawning season. Fish spawning season for warmwater streams runs from April 1st through June 30th. Trout spawning season runs from October 1st through April 30th.
- Other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used outside of spawning seasons.
- Each crossing that utilizes dry ditch methods must be completed in 2 consecutive work days.

Non-high quality stream:

- Directional boring or other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used at all times during fish spawning season from April 1st through June 30th. This eliminates the need for spawning season restrictions.



United States Department of the Interior

FISH AND WILDLIFE SERVICE

West Virginia Field Office
694 Beverly Pike
Elkins, West Virginia 26241



December 3, 2013

Ms. Melissa Haveron
Thrasher Engineering
600 White Oaks Boulevard
Post Office Box 940
Bridgeport, West Virginia 26330

Re: Antero Resources Corporation, North-South Canton Waterline Project, Doddridge and Tyler Counties, West Virginia

Dear Ms. Haveron:

This responds to your request of October 8, 2013, for information regarding the potential occurrence of federally listed endangered and threatened species and their designated critical habitats. Antero Resources Corporation (Antero) proposes to construct the 12.7-mile North-South Canton waterline project in Doddridge and Tyler Counties, West Virginia. These comments are provided pursuant to the Endangered Species Act (ESA, 87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*).

The U.S. Fish and Wildlife Service (Service) has determined that two federally listed endangered species are known to occur within the proposed project area, and may be affected by the construction and operation of the proposed project. These are the Indiana bat (*Myotis sodalis*) and the snuffbox mussel (*Epioblasma triquetra*). Information to avoid impacts to these species is provided below.

Additionally, on October 2, 2013, in the *Federal Register* (78 FR 61045-61080) the Service proposed the northern long eared bat (*Myotis septentrionalis*) for listing under the ESA. If a decision is made to list this species, potential impacts from this project to this species may need to be addressed if this project is not completed by October 2, 2014. We encourage you to begin incorporating conservation measures to protect these species prior to any potential final listing decisions.

Indiana Bat

The project area is within the range of the Indiana bat (*Myotis sodalis*) and may provide summer foraging and roosting habitats, as well as winter habitat, for this endangered mammal. Indiana

Ms. Melissa Haveron
December 3, 2013

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bats use caves or mine portals for winter hibernation habitat between November 15 and March 31. Indiana bats may use the proposed site for foraging and roosting between April 1 and November 14. Indiana bat foraging habitat is generally defined as riparian, bottomland, or upland forest, as well as old fields or pastures with scattered trees. Roosting and maternity habitats consist primarily of live or dead hardwood trees which have exfoliating bark that provides space for bats to roost between the bark and the bole of the tree. Tree cavities, crevices, splits, or hollow portions of tree boles and limbs also provide roost sites. In West Virginia, the Service considers all forest habitats containing trees greater than or equal to 5 inches in diameter at breast height to be potentially suitable as summer roosting and foraging habitat for the Indiana bat.

Based on radio-telemetry data, the Service presumes that Indiana bats are present in areas within 5 miles of hibernacula, 5 miles of summer capture sites with no known maternity roosts, and 2.5 miles of maternity roosts. The proposed project does not pass through any of these buffer zones.

In your October 8, 2013, correspondence, you stated that Antero will clear all project-related timber when bats are in hibernation (November 15 through March 31) to avoid direct impacts to Indiana bats and that no caves or portals exist within the proposed project boundary. An estimated 82.97 acres of forest area would be cleared for the project, which would leave approximately 1,642.93 acres or 85.4 percent of forested habitat within the ¼-mile buffer area after project clearing has been completed. The total number of acres in the buffer area is 1,923.63. The results of this analysis show that there will be sufficient forested habitat remaining on the landscape post-construction to support Indiana bats.

The Service has concluded that the project is not likely to adversely affect the Indiana bat because Antero has committed that all trees within the proposed project area will be cleared seasonally so that no bats will be killed directly by the removal of trees. In addition, there will be sufficient forested habitat remaining on the landscape post-construction to support Indiana bats.

Snuffbox

The proposed project proposes to cross McElroy Creek which provides habitat for the snuffbox mussel, which is listed as endangered under the ESA. Freshwater mussels, like the snuffbox, feed by filtering food particles from the water column. Juvenile and adult freshwater mussels have been documented to feed on detritus, diatoms, phytoplankton, and zooplankton. Freshwater mussels rely on fish to complete their life histories. When mussel larvae (glochidia) are released into the water by adult females, they must attach themselves within a few days to an appropriate fish host, which they then parasitize for a short time while developing into juvenile mussels. The loss of many historic populations was likely due to the impacts of impoundments, navigation projects, water quality degradation from agricultural and industrial wastes, deforestation and other forms of habitat alteration, including gravel and sand dredging. Impacts that directly affected the species also include reduction or elimination of fish hosts.

The proposed project proposes to cross McElroy Creek by horizontal directional drill (HDD).

Ms. Melissa Haveron
December 3, 2013

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This method will allow the pipeline to be placed under the stream without direct affects to the waterway. The HDD method uses bentonite clay in its pressurized drilling that, on occasion, can result in a frac-out that releases bentonite clay into waterways.

In correspondence dated November 26, 2013, from you, you stated your client's commitment to the following measures that will be followed in the event of a frac-out that could cause the sudden release of bentonite clay substrate into waterways:

1. Agencies will be contacted within 24 hours of the event.
2. Clean up of all spills will begin immediately.
3. Secondary containment measures including silt fence, sand bags, turbidity curtains, water pumps, and other BMPs will be installed.
4. A mussel investigation will promptly begin, as necessary.

In the event of a frac-out, the Service believes that implementation of the measures outlined above will minimize, to the extent practicable, the likelihood of adverse impacts to McElroy Creek and the snuffbox mussels. This office should be notified immediately if any deviations from the submitted plans are anticipated, or if a frac-out occurs during construction of the project.

As a result of this information, the Service has concluded that the project may affect, but is not likely to adversely affect any federally listed endangered and threatened species. No biological assessment or further section 7 consultation under the ESA is required with the Service. Should project plans change or amendments be proposed that we have not considered in your proposed action, or if additional information on listed and proposed species becomes available, or if new species become listed or critical habitat is designated, this determination may be reconsidered. If you have any questions regarding this letter, please contact Liz Stout of my staff at (304) 636-6586, Ext. 15, or elizabeth_stout@fws.gov, or at the letterhead address.

Sincerely,



John E. Schmidt
Field Supervisor

STATE OF WEST VIRGINIA,
COUNTY OF DODDRIDGE, TO WIT

I, Virginia Nicholson, Editor of THE
HERALD RECORD, a weekly newspaper
published regularly, in Doddridge County,
West Virginia, Do Hereby Certify Upon
Oath That the Accompanying Legal Notice
Entitled:

..... Floodplain Permit
..... Pearl Jean Impoundment
..... Forest Well Pad # 14-132

was published in said paper for .. 2

successive weeks beginning with the issue
of ... March 18th 2014 and
ending with the issue of

..... March 25th 2014 and

that said notice contains ... 210

WORD SPACE at ... 115 ... cents a word

amounts to the sum of \$... 2415

FOR FIRST PUBLICATION, SECOND
PUBLICATION IS 75% OF THE FIRST
PUBLICATION

\$... 18.11
and each publication thereafter

\$... 42.26 TOTAL

EDITOR

..... Virginia Nicholson

SWORN TO AND SUBSCRIBED

BEFORE ME THIS THE ... 27th DAY

OF ... March 2014

NOTARY PUBLIC

..... Laura J Adams

LEGAL ADVERTISEMENT
Doddridge County
Floodplain Permit Application
Please take notice that on the 12th day of March, 2014
ANDERSON RESOURCES, APPALACHIAN
CORPORATION, PEARL JEAN IMPOUNDMENT TO
FOREST WELL PAD WATERLINE #14-132 filed an
application for a Floodplain Permit to develop land
located at or about: SURFACE OWNERS: WALLACE
& IDA ASH PROVERY RUN GRANT DISTRICT: D/B:
232/351 & 248/303 & 182/219 TAX MAP: 6/24
9/35, 6/25 & 6/20.2
The Application is on file with the Clerk of the County
Court and may be inspected or copied during regular
business hours. Any interested persons who desire to
comment shall present the same in writing by March 31,
2014.
Delivered to the
Clerk of the County Court
118 E. Court Street, West Union, WV 26456
Beth A. Rogers, Doddridge County Clerk
Ralph Sandora, Jr., Doddridge County Flood Plain
Manager

