

#14-143

# 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 \_\_\_\_\_

2-17-14

## 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:** \_\_\_\_\_

**ADDRESS:** 1625 17th Street, Denver, CO 80202

**TELEPHONE NUMBER:** Contact Shauna DeMattee: 303-357-6820 \_\_\_\_\_

**BUILDER'S NAME:** Antero Resources Corporation

**ADDRESS:** 1625 17th Street, Denver, CO 80202

**TELEPHONE NUMBER:** (303) 357-7310

**ENGINEER'S NAME:** Kleinfelder

**ADDRESS:** 230 Executive Dr., Suite 122, Cranberry Township, PA 16066

**TELEPHONE NUMBER:** 724-772-7072

**PROJECT LOCATION:**

**NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT):** Judy A Horton and Perter A Gregori

**ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT):** 8021 Rocky Rd,  
Laytonville, MD 20882

**DISTRICT:** Central

**DATE/FROM WHOM PROPERTY**

**PURCHASED:** N/A

**LAND BOOK DESCRIPTION:**

**DEED BOOK REFERENCE:**

**TAX MAP REFERENCE:** Tax Map 15, Parcel 20

**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 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        X        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 \$** <sup>N/A - Location is not within</sup> <sub>-the floodplain</sub>

**D. ADJACENT AND/OR AFFECTED LANDOWNERS:**



- (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): Randy Kloberdanz

SIGNATURE:  DATE: 2-17-14

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: \_\_\_\_\_  
 Dated: \_\_\_\_\_

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.  
 FBFM Panel No. \_\_\_\_\_ Dated \_\_\_\_\_

See section 4 for additional instructions.

SIGNED Ralph D. [Signature]

DATE 3-10-14

**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:

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**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

Fritz Pad

Center of Pad:  
80.839972 W,  
39.234172 N



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 1/15/2014



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](http://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:** Selected site is NOT WITHIN any identified flood hazard area. Unmapped flood hazard areas may be present.

**Elevation:** About 1062 feet

**Location (long, lat):** 80.839972 W, 39.234172 N

**Location (UTM 17N):** (513811, 4342776)

**FEMA Issued Flood Map:** 54017C0225C

**Contacts:** Doddridge County

**CRS Information:** No CRS information available

**Parcel Number:**

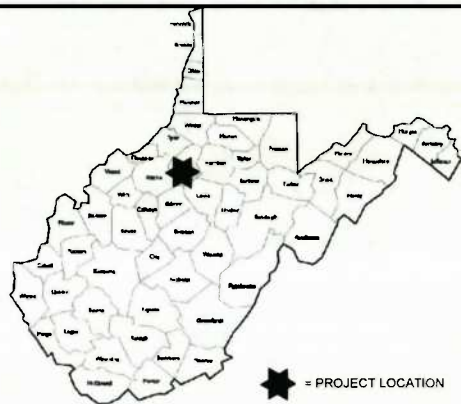


# FRITZ DRILL PAD

## SITE DESIGN & CONSTRUCTION PLAN, EROSION & SEDIMENT CONTROL PLANS

### ANTERO RESOURCES CORPORATION

**PLAN REPRODUCTION WARNING**  
 THE PLANS HAVE BEEN CREATED ON ANSI D (22"x34") SHEETS. FOR REDUCTIONS, REFER TO GRAPHIC SCALE.  
 THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF THE PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.  
 \*\*\*WARNING\*\*\*: INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.



### PROJECT CONTACTS

#### PROJECT OWNER

ANTERO RESOURCES  
 981 E WASHINGTON AVE  
 PO BOX 309  
 ELLENBORO, WV 26346

CONTACT: ANTHONY SMITH  
 FIELD ENGINEER  
 304.869.3405 OFFICE  
 304.673.6196 CELL

CONTACT: JOHN KAWCAK  
 ENGINEER  
 817.368.1553

CONTACT: ELI WAGONER  
 ENVIRONMENTAL  
 ENGINEER  
 304.622.3842, EXT 311  
 OFFICE

CONTACT: AARON KUNZLER  
 CONSTRUCTION  
 SUPERVISOR  
 405.227.8344

#### LOCATION SURVEYOR

BLUE MOUNTAIN INC.  
 CONTACT: DOUG SIX  
 11023 MASON DIXON HIGHWAY  
 BURTON, WV 26562  
 304.662.2626 OFFICE

#### ENGINEER OF RECORD

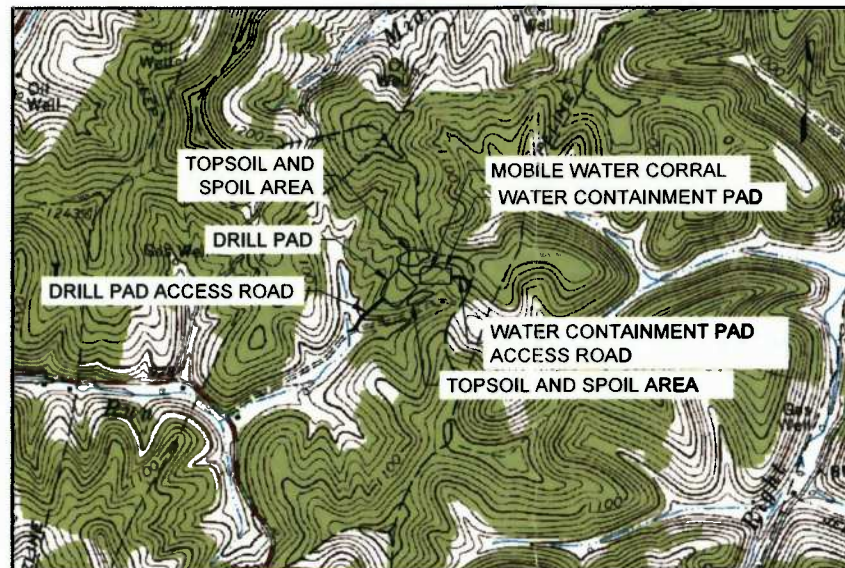
KLEINFELDER EAST, INC.  
 CONTACT: THOMAS W. WOODROW, PE  
 WV PE #19684  
 230 EXECUTIVE DRIVE, SUITE 122  
 CRANBERRY TOWNSHIP, PA 16066  
 724.772.7072 OFFICE  
 724.772.7079 FAX

#### ENVIRONMENTAL/ DELINEATION BOUNDARY

ALLSTAR ECOLOGY, LLC  
 CONTACT: RYAN WARD  
 1582 MEADOWDALE ROAD  
 FAIRMONT, WV 26554  
 866.213.2666 OFFICE  
 304.692.7477 CELL

#### TOPO SURVEYOR

BLUE MOUNTAIN INC.  
 CONTACT: CRAIG FRY  
 11023 MASON DIXON HIGHWAY  
 BURTON, WV 26562  
 304.662.2626 OFFICE  
 304.815.4890 CELL



NORTH MERIDIAN REFERENCED TO NAD83 WEST VIRGINIA STATE PLANE NORTH ZONE  
 AFFECTED TAX PARCELS: JUDY A HORTON TAX MAP: 15 PARCEL: 20 STATE CODE: 54 COUNTY CODE: 17 CENTRAL DISTRICT  
 OXFORD 7.5 QUAD  
 MIDDLE OHIO NORTH WATERSHED  
 SCALE: 1 INCH = 1000 FEET

WELL HEAD LAYOUT				
WELL NAME	NAD 83 (WV NORTH ZONE)			
	NORTHING	EASTING	LATITUDE	LONGITUDE
WASHINGTON UNIT 4H	270207.42	1588929.84	39° 14' 02.73"	-80° 50' 24.24"
NO NAME	270214.39	1588937.03	39° 14' 02.80"	-80° 50' 24.15"
NO NAME	270221.37	1588944.21	39° 14' 02.87"	-80° 50' 24.06"
NO NAME	270229.37	1588950.63	39° 14' 02.95"	-80° 50' 23.98"
NO NAME	270236.34	1588957.81	39° 14' 03.02"	-80° 50' 23.89"
NO NAME	270243.32	1588965.00	39° 14' 03.09"	-80° 50' 23.80"
UNNAMED UNIT 1H	270250.29	1588972.19	39° 14' 03.16"	-80° 50' 23.71"
WASHINGTON UNIT 1H	270257.27	1588979.37	39° 14' 03.23"	-80° 50' 23.62"
WASHINGTON UNIT 2H	270264.26	1588985.77	39° 14' 03.30"	-80° 50' 23.54"

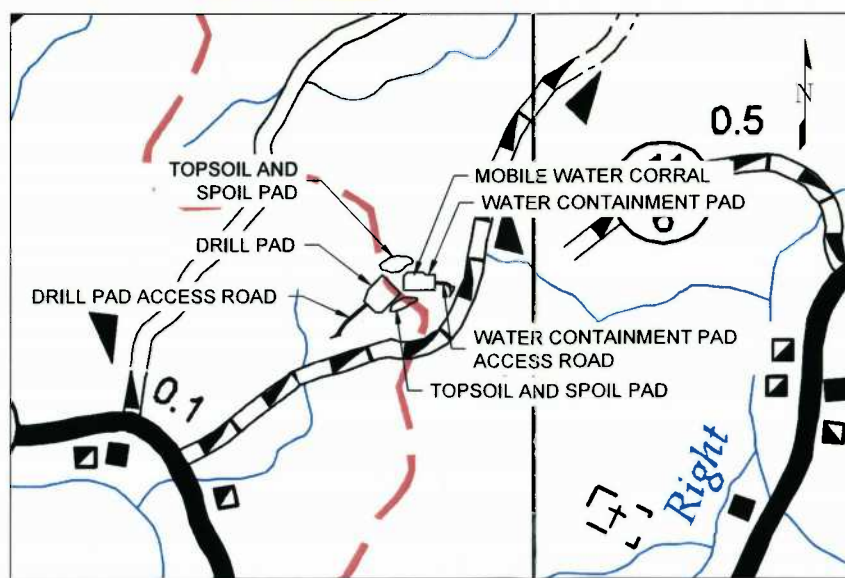
WELL HEAD LAYOUT				
WELL NAME	NAD 27 (WV NORTH ZONE)		UTM ZONE 17 (METERS)	
	NORTHING	EASTING	NORTHING	EASTING
WASHINGTON UNIT 4H	270172.56	1620370.94	4342766.69	513803.16
NO NAME	270179.53	1620378.13	4342768.86	513805.32
NO NAME	270186.51	1620385.32	4342771.02	513807.47
NO NAME	270194.51	1620391.73	4342773.49	513809.38
NO NAME	270201.48	1620398.92	4342775.65	513811.54
NO NAME	270208.46	1620406.10	4342777.81	513813.69
UNNAMED UNIT 1H	270215.44	1620413.29	4342779.97	513815.84
WASHINGTON UNIT 1H	270222.41	1620420.48	4342782.13	513818.00
WASHINGTON UNIT 2H	270229.40	1620426.88	4342784.30	513819.91

SHEET INDEX	
PAGE NO.	DESCRIPTION
1	COVER PAGE & LOCATION MAP
2	SCHEDULE OF QUANTITIES
3 - 4	NOTES
5	EXISTING CONDITIONS
6	OVERALL SITE PLAN
7	DRILL PAD ACCESS ROAD PLAN
8	WATER CONTAINMENT PAD ACCESS ROAD PLAN
9	GRADING & DRAINAGE PLAN
10	EROSION & SEDIMENT CONTROL PLAN
11	DRILL PAD CROSS SECTION & PROFILE
12	DRILL PAD ACCESS ROAD CROSS SECTION & PROFILE
13	WATER CONTAINMENT PAD CROSS SECTIONS
14	WATER CONTAINMENT PAD ACCESS ROAD CROSS SECTION & PROFILE
15 - 22	DETAILS
23	RECLAMATION PLAN

LOD AREAS (ACRES)		
DESCRIPTION	AREA	AFFECTED TAX PARCELS
ACCESS ROAD TO DRILL PAD	1.19	JUDY A HORTON TAX MAP: 20 PARCEL 15
DRILL PAD	3.72	
ACCESS ROAD TO WATER CONTAINMENT PAD	0.53	
WATER CONTAINMENT PAD	3.41	
SPOIL PAD 1	0.94	
SPOIL PAD 2	1.42	
TOTAL	11.21	
TOTAL WOODED AREA	10.61	
TOTAL NON WOODED AREA	0.60	

FLOODPLAIN CONDITIONS	
DO SITE CONSTRUCTION ACTIVITIES TAKE PLACE IN FLOODPLAIN:	NO
PERMIT NEEDED FROM COUNTY FLOODPLAIN COORDINATOR:	NO
HEC-RAS STUDY COMPLETED:	N/A
FLOODPLAIN SHOWN ON DRAWINGS:	N/A
FIRM MAP NUMBER(S) FOR SITE:	54017C0225C
ACREAGES OF CONSTRUCTION IN FLOODPLAIN:	N/A

LENGTH (FEET)	
DESCRIPTION	FEET
ACCESS ROAD TO DRILL PAD	463
ACCESS ROAD TO WATER CONTAINMENT PAD	224
TOTAL	687



SITE LOCATIONS				
DESCRIPTION	NAD 83 (WV NORTH ZONE)		UTM ZONE 17 (METERS)	
	LATITUDE	LONGITUDE	NORTHING	EASTING
CENTER OF DRILL PAD	39° 14' 03.02"	-80° 50' 23.89"	4342775.65	513811.54
BEGIN ACCESS ROAD TO DRILL PAD	39° 13' 58.72"	-80° 50' 29.60"	4342642.85	513674.88
CENTER OF WATER CONTAINMENT PAD	39° 14' 04.60"	-80° 50' 18.68"	4342824.58	513936.35
BEGIN WATER CONTAINMENT PAD ACCESS ROAD	39° 14' 03.72"	-80° 50' 14.05"	4342797.65	514047.40

**WELL LOCATION RESTRICTIONS**  
 DRILL PAD IS TO COMPLY WITH WELL LOCATION RESTRICTIONS OF WV CODE 22-6A-12. THE PADS COMPLY WITH THE FOLLOWING RESTRICTIONS:

- 250' FROM AN EXISTING WELL OR DEVELOPED SPRING USED FOR HUMAN OR DOMESTIC ANIMALS
- 625' FROM AN OCCUPIED DWELLING OR BARN GREATER THAN 2500 SF USED FOR POULTRY OR DAIRY MEASURED FROM THE CENTER OF THE PAD
- 100' FROM EDGE OF DISTURBANCE TO WETLANDS, PERENNIAL STREAMS, NATURAL OR ARTIFICIAL LAKE, POND OR RESERVOIR
- 300' FROM EDGE OF DISTURBANCE TO NATURALLY REPRODUCING TROUT STREAMS
- 1000' OF SURFACE OR GROUND WATER INTAKE TO A PUBLIC WATER SUPPLY

**ISSUED FOR CONSTRUCTION**



SEAL

**DESIGN CERTIFICATION**  
 THE DRAWINGS, CONSTRUCTION NOTES, AND REFERENCE DIAGRAMS ATTACHED HERETO HAVE BEEN PREPARED IN ACCORDANCE WITH THE WEST VIRGINIA CODE OF STATE RULES, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS §35-8.

**MM-109 PERMIT**  
 ANTERO RESOURCES WILL OBTAIN AN ENCROACHMENT PERMIT (MM-109) FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

NO.	REVISION	BY	DATE
		RAP	8-30-2013
REVISED PER ANTERO STANDARDS			
<p style="font-size: 8px; text-align: center;">Bright People. Right Solutions.                  230 EXECUTIVE DRIVE, SUITE 122                  CRANBERRY TOWNSHIP, PA 16066                  PH. 724-772-7072 FAX. 724-772-7079</p>			
FRITZ DRILL PAD COVER PAGE & LOCATION MAP		ANTERO RESOURCES CORPORATION FRITZ DRILL PAD CENTRAL DISTRICT	WEST VIRGINIA DODDRIDGE COUNTY
DESIGNED BY: JTS		MODIFIED BY: RAP	
CHECKED BY: CAL		DATE: 08-30-2013	
SCALE:		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	
CONSTRUCTION		0 0.5 1.0 1.5 2.0	
1		1 of 23 sheets	

ATTACHED IMAGES: images, Antero Logo, 2.jpg, images, call811.jpg, home.jpg, images, new\_mision.jpg, images, oxford7.5quad.jpg, images, WV-CountyMap.jpg  
 ATTACHED XREFS: XREF: ANTERO 11171.TIF, TIF, XREF: Antero/Pad/Access/Fritz/Design/Con/Site Plans - Final - LAYOUT - 1 COVER PAGE & LOCATION MAP  
 CAD FILE: C:\Users\Antero\Public\Fritz\Design\Con/Site Plans - Final - LAYOUT - 1 COVER PAGE & LOCATION MAP  
 18-18-13 REVISED BY: CAL

PLOTTED: 30 Aug 2013, 3:07pm. JStellen