IKE PAD # 14-146

# 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 WILLIAM

DATE 2/14/14

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: Antero Resources Corporation
ADDRESS: 1625 17th Street, Denver, CO 80202
TELEPHONE NUMBER: (303) 357-7310
ENGINEER'S NAME: Kleinfelder - Christopher Lewis
ADDRESS: 230 Executive Drive, Suite 122, Cranberry Township, PA 16066
<b>TELEHONE</b> 724-772-7072
PROJECT LOCATION:
NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)  1. L. Ike Morris
ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)
P.O. Box 397, Glenville, WV 26351
DISTRICT: New Milton
DATE/FROM WHOM PROPERTY
PURCHASED: N/A
AND BOOK DESCRIPTION:
DEED BOOK REFERENCE: DB 230/PG 307
AX MAP REFERENCE: Tax Map 7/ Parcel 1
XISTING BUILDINGS/USES OF PROPERTY: None
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 UBJECT 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 Х **New Structure** Residential (1 – 4 Family) n Addition Residential (more than 4 Family) Alteration Non-residential (floodproofing) []Relocation Combined Use (res. & com.) $\Pi$ Demolition []Replacement П Manufactured/Mobil Home B. **OTHER DEVEOPLMENT ACTIVITIES:** Fill Mining Χ Drilling Π **Pipelining** $\Pi$ Grading Excavation (except for STRUCTURAL DEVELOPMENT checked above) П 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 \$ N/A - Location is not within the floodplain

D. ADJACENT AND/OR AFFECTED LANDOWNERS:

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:\_\_\_N/A-No properties sharing an NAME:\_\_\_\_ ADDRESS: immediate and common boundary up or down stream due to the ADDRESS:\_\_\_\_\_ —location not being in floodplain NAME:\_\_\_\_\_ NAME:\_\_\_\_\_ ADDRESS:\_\_\_\_\_ 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: N/A NAME: ADDRESS:\_\_\_\_ ADDRESS: NAME:\_\_\_\_\_ NAME:\_\_\_\_\_ ADDRESS:\_\_\_\_ 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. SERVICE BY CERTIFIED MAIL RETURN RECEIPT REQUESTED. (B)

1. NAME AND ADDRESS OF ALL OWNERS OF SURFACE TRACTS ADJACENT TO THE AREA

(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.

NAM	E (PRINT): NOVA MCNEILLY
SIGN	ATURE: W. Miles DATE: 2/14/14
After Admi	completing SECTION 2, APPLICANT should submit form to Floodplain nistrator/Manager or his/her representative for review.
SECT Adm	ION 3: FLOODPLAIN DETERMINATION (to be completed by Floodplain inistrator/Manager or his/her representative)
THE	PROPOSED DEVELOPMENT:
THE P	ROPOSED DEVELOPMENT IS LOCATED ON:
FIRM	Panel:
Dated	
[] reviev	Is <b>NOT</b> located in a Specific Flood Hazard Area (Notify applicant that the application is complete and <b>NO FLOOPLAIN DEVELOPMENT PERMIT IS REQUIRED</b> ).
<b>]</b>	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 Palph Sandu DATE 370-14

## 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
O .	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 elevationFt. NGVD (MSL).  For floodproofing structures applicant must attach certification from registered engineer or architect.
0	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).

ON E. DED		•	
Administra	MIT DETERMINATION (To be cometor/Manager or his/her represe	<u>ipleted by Floodpla</u> ntative)	ain .
I have deter	mined that the proposed activity (type	is or is not) in conform	nance wit
provisions of	f the Floodplain Ordinance adopted by	the County Commission	on of Dod
County on M	lay 21, 2013. The permit is issued subj	ect to the conditions a	ttached t
made part o	this permit.		
SIGNED		DATE	. :
with the pro	lain Administrator/Manager found that visions of the Doddridge County Floodp	t the above was not in plain Ordinance and/or	conform
application,	the applicant may complete an appeali	ng process below.	demea
APPEALS:	Appealed to the County Commission	of Doddridge County	) II Voc. II
			[] 165 {]
	Hearing Date:		

# 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 isFT. NGVD (MSL)
2	Actual (As Built) elevation of floodproofing isFT. NGVD (MSL)
Note: applica	Any work performed prior to submittal of the above information is at risk of the ant.
SECTION	ON 7: COMPLIANCE ACTION (To be completed by the Floodplain
<u>Admir</u>	nistrator/Manager or his/her representative).
as appl	odplain Administrator/Manager or his/her representative will complete this section icable based on inspection of the project to ensure compliance with the Doddridge Floodplain Ordinance.
INS	PECTIONS:
	DATE:BY: DEFICIENCIES ? Y/N
CON	MMENTS
SECTIO Admini	ON 8: CERTIFICATE OF COMPLIANCE (To be completed by Floodplain istrator/Manager or his/her representative).
Certifica	te of Compliance issued: DATE:

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

PER PER	MIT NUMBER:
PURPOSE -	<u>-</u>
CONSTRUCTION LOCATION:_	
OWNER'S ADDRESS:	
	·
THE FOLLOWING MUST BE CO	MPLETED BY THE FLOODPLAIN
ADMINISTRATOR/MANAGER	OR HIS/HER AGENT.
COMPLIANCE IS HEREBY	CERTIFIED WITH THE REQUIREMENT OF THE
FLOODPLAIN ORDINANCE ADO	OPTED BY THE COUNTY COMMISSION OF
DODDRIDGE COUNTY ON MAY	( 21, 2013.
SIGNED	DATE

WV Flood Map



Map Created on 1/14/2014



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: Selected site is NOT WITHIN any identified flood hazard area. Unmapped flood hazard areas may be present.

Elevation: About 1152 feet

Location (long, lat): 80.731633 W, 39.218467 N

Location (UTM 17N): (523167, 4341055) FEMA Issued Flood Map: 54017C0230C

Contacts: Doddridge County

CRS Information: No CRS information available

**Parcel Number:** 

CONTACT: ANTHONY SMITH

FIELD ENGINEER

304 869 3405 OFFICE

304,673,6196 CELL

CONTACT: FLI WAGONER

ENGINEER 304.622.3842, EXT 311

**LOCATION SURVEYOR** 

A-1 SURVEYING 421 MAIN STREET LACEYVILLE, PA 18623 570.527.1168 OFFICE

**ENVIRONMENTAL/DELINEATION BOUNDARY** 

GAI CONSULTANTS, INC CONTACT: JASON A COOK 300 SUMMERS STREET, SUITE 1100 CHARLESTON, WV 25301 304,926,8100 OFFICE 303,709,3306 CELL

**PROJECT CONTACTS** 

PROJECT OWNER ANTERO RESOURCES 981 E WASHINGTON AVE

ELLENBORO, WV 26346

CONTACT: JOHN KAWCAK ENGINEER 817.368.1553

CONTACT: AARON KUNZLER

CONSTRUCTION

SUPERVISOR

**ENGINEER OF RECORD** 

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

**IKE DRILL PAD** SITE DESIGN & CONSTRUCTION PLAN, **EROSION & SEDIMENT CONTROL PLANS** 

ANTERO RESOURCES CORPORATION

## TOPSOIL AND WATER SPOIL PAD CONTAINMENT PAD TOPSOIL AND ACCESS ROAD SPOIL PAD DRILL PAD TANK PAD

SITE LOCATIONS

## NORTH MERIDIAN REFERENCED TO NAD83 PLANE NORTH ZONE

DESCRIPTION

AFFECTED TAX PARCELS: I.L. IKE MORRIS
TAX MAP: 7 / PARCEL: 1 DB: 230 / PG: 307 STATE CODE: 54 COUNTY CODE: 17 NEW MILTON DISTRICT

MIDDLE OHIO NORTH WATERSHED

 NAD 83 (WW NORTH ZONE)
 UTM ZONE 17 (METERS)

 LATITUDE
 LONGITUDE
 NORTHING
 EASTING

 39° 13' 06.48"
 -80° 43' 53.88"
 4341054.82
 523166.73

 39° 13' 10.17"
 -80° 43' 54.76"
 4341168.51
 523145.29

 39° 12' 38.38"
 -80° 44' 33.49"
 4340185.84
 522219.37

## **TOPO SURVEYOR** BLUE MOUNTAIN AERIAL MAPPING CONTACT: CRAIG FRY 11023 MASON DIXON HIGHWAY BURTON, WY 26562 304.662.2626 OFFICE 304.815.4990 CELL

	AREAS (A	
DESCRIPTION	AREA	AFFECTED TAX PARCELS
ACCESS ROAD	8,61	I.L. IKE MORRIS
TANK PAD	0.52	TAX MAP: 7
DRILL PAD	5.11	PARCEL: 1
WATER CONTAINMENT PAD	1.87	
TÓPSÓIL AND SPOIL PAD	1.92	DB: 230 / PG: 307
TOTAL	18.03	
TOTAL WOODED AREA	12.38	
TOTAL NON-WOODED AREA	5.65	

The state of the s		
FLOODPLAIN	CONDITIONS	
DO SITE CONSTRUCTION ACTIVITIES TAK	E 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: 54017C0230C		
ACREAGES OF CONSTRUCTION IN FLOODPLAIN:		N/A

LENGTH (FEE	T)
DESCRIPTION	FEET
IMPROVED EXISTING ACCESS ROAD	2,494
PRIMARY ACCESS ROAD	2,507
CONTIANMENT PAD ACCESS ROAD	575
TOTAL	5,576

## WATER **CONTAINMENT PAD** TOPSOIL AND SPOIL PAD TOPSOIL AND SPOIL PAD DRILL PAD ACCESS ROAD 40 TANK PAD

## PLAN REPRODUCTION WARNING

THE PLANS HAVE BEEN CREATED ON ANSI D (22"x34") SHEETS. FOR

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

	WELL H	IEAD LAYOU	JT	
14511 114145	NAD 83 (WV NORTH ZONE)			
WELL NAME	NORTHING	EASTING	LATITUDE	LONGITUDE
GROUSE UNIT 1H	264066.22	1619587.97	39° 13' 06.37"	-80° 43' 53.56"
HAZELWOOD UNIT 2H	264070.40	1619578.89	39° 13' 06.41"	-80° 43' 53.68"
HAZELWOOD UNIT 1H	264074.59	1619569.81	39° 13′ 06.45″	-80° 43′ 53,80"
TRIO UNIT 3H	264078.77	1619560.73	39° 13' 06,49"	-80° 43' 53.91"
TRIO UNIT 2H	264082.96	1619551.64	39° 13' 06.53"	-80° 43' 54.03"
TRIO UNIT 1H	264087.14	1619542.56	39° 13' 06.57"	-80° 43' 54.14"
MAXWELL HEIRS UNIT 1H	264091.43	1619533.53	39° 13' 06.62"	-80° 43' 54.26"
MAXWELL HEIRS UNIT 2H	264095.59	1619524.43	39° 13' 06.66"	-80° 43' 54.38"
WINDON UNIT 1H	264099.75	1619515.34	39° 13′ 06.70″	-80° 43' 54.49"
WINDON UNIT 2H	264103.92	1619506.25	39° 13′ 06.74″	-80° 43' 54,61"
NICHOLS UNIT 2H	264108.08	1619497.16	39° 13' 06.78"	-80° 43' 54.73"
NICHOLS UNIT 1H	264112.24	1619488.06	39° 13' 06.82"	-80° 43' 54.84"

	WELL H	IEAD LAYOU	T	
	NAD 27 (WV NORTH ZONE)		UTM ZONE 17 (METERS)	
WELL NAME	NORTHING	EASTING	NORTHING	EASTING
GROUSE UNIT 1H	264030.52	1651029.03	4341051.6	523174.3
HAZELWOOD UNIT 2H	264034.70	1651019.97	4341052.8	523171.5
HAZELWOOD UNIT 1H	264038.89	1651010.88	4341054	523168.7
TRIO UNIT 3H	264043.08	1651001.79	4341055.25	523165.95
TRIO UNIT 2H	264047.27	1650992.71	4341056.48	523163.16
TRIO UNIT 1H	264051.46	1650983.62	4341057.71	523160.37
MAXWELL HEIRS UNIT 1H	264091.43	1650974.60	4341058.97	523157.60
MAXWELL HEIRS UNIT 2H	264059.90	1650965.51	4341060.19	523154.81
WINDON UNIT 1H	264064.06	1650956.42	4341061.41	523152.02
WINDON UNIT 2H	264068.22	1650947,33	4341062.6	523149.2
NICHOLS UNIT 2H	264072.37	1650938.24	4341063.9	523146.4
NICHOLS UNIT 1H	264076.56	1650929.12	4341065.1	523143.6

SHEET INDEX			
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## **ISSUED FOR** CONSTRUCTION

## **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
- 100' FROM EDGE OF DISTURBANCE TO WETLANDS, PERENNIAL STREAMS, NATURAL OR ARTIFICIAL LAKE, POND OR RESERVOIR
- 300' FROM EDGE OF DISTURBANCE TO NATURALLY REPRODUCING
- 1000' OF SURFACE OR GROUND WATER INTAKE TO A PUBLIC WATER

	WELLS WOOM	
	WELLS WOOD	
	1	
	19003	
	THE STATE OF THE	
	VIRGIN	
	ONAL ENVIS	
	11/30/12	
0.5	- 4.1	
SE	EAL	

DESIGNED BY: JTP MODIFIED BY: CAL CHECKED BY: JDF 07-30-13 DATE: SCALE: ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DRILL PAD

KE

2 4 4 4 4

0.5 1.0 1.5 CONSTRUCTION

1 of 44 sheets

DIG IN THE STATE OF WEST VIRGINIA. IT'S THE LAW!!

Know what's **below**. Call before you di MISS UTILITY OF WEST VIRGINIA 1-800-245-4848 WEST VIRGINIA STATE LAW REQUIRES THAT YOU CALL TWO BUSINESS DAYS BEFORE YOU

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 §35-4-21& §35-8.

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.