

14-154

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: 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: White Brothers Consulting LLC
ADDRESS: 447 Call Rd, Suite 216, Charleston, WV 25312
TELEPHONE NUMBER: 304-550-9484

PROJECT LOCATION:

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)
Please see attachment

ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)
Please see attachment

DISTRICT: New Milton

DATE/FROM WHOM PROPERTY PURCHASED: N/A

LAND BOOK DESCRIPTION:

DEED BOOK REFERENCE: DB 262/PG 360; DB 273/PG 394

TAX MAP REFERENCE: Tax Map 11/Parcel 17, Tax Map 11/Parcel 18

EXISTING BUILDINGS/USES OF PROPERTY: N/A

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 Alteration (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:

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: _____ N/A-No properties sharing an
ADDRESS: _____ immediate and common boundary
 _____ up or down stream due to the
 _____ location not being in floodplain

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: N/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.

SURFACE OWNER(s)

Name: Brian E. Davis

Address: 578 Hog Hollow

Salem, WV 26426

Name: Charles W. Yeager IV, Jason A. Yeager & Charles W. Yeager III

Address: 9320 Snyder Ln

Perry Hall, MD 21128

- (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.
 BBFM Panel No. _____ Dated _____

See section 4 for additional instructions.

SIGNED Ralph Souder

DATE 3-7-14

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

Pennington South Pad

Center of Pad:
80.740995 W,
39.1202599 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 1/17/2014



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 1067 feet

Location (long, lat): 80.740995 W, 39.202599 N

Location (UTM 17N): (522364, 4339292)

FEMA Issued Flood Map: 54017C0230C

Contacts: Doddridge County

CRS Information: No CRS information available

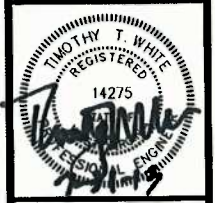
Parcel Number:

PENNINGTON SOUTH DRILL PAD SITE FINAL SITE DESIGN, CONSTRUCTION PLAN, AND EROSION & SEDIMENT CONTROL PLANS

ANTERO RESOURCES CORPORATION



DATE SUBMITTED	SHEET NO	TOTAL SHEETS
7-31-2013	1	22



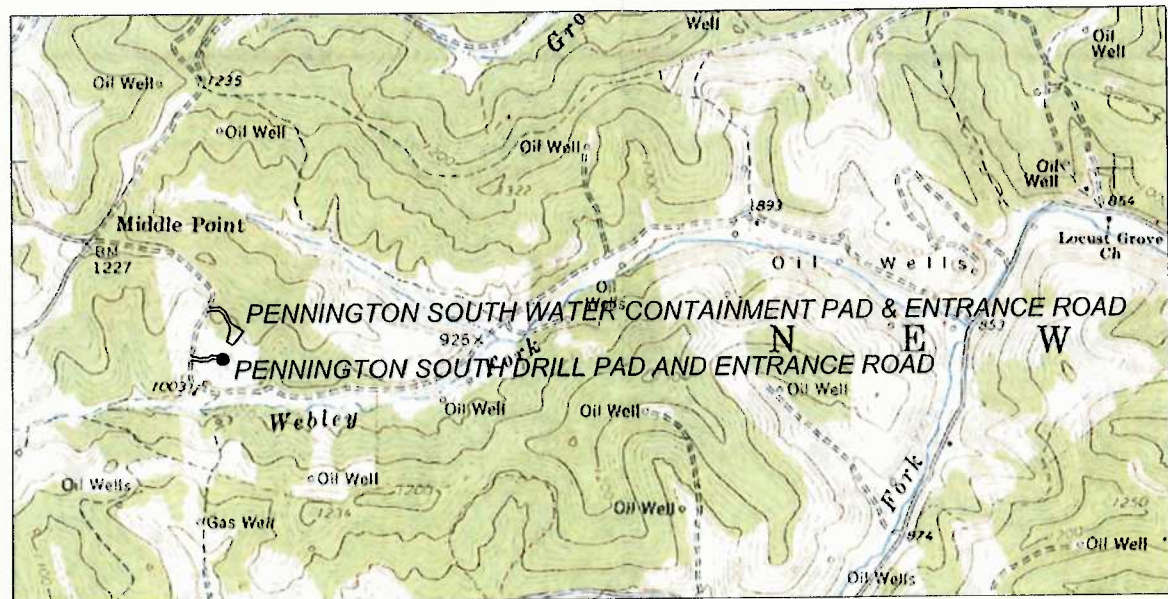
THIS DOCUMENT PREPARED FOR ANTERO RESOURCES CORPORATION

FINAL SITE DESIGN, QUANTITIES AND CONSTRUCTION SEQUENCE
PENNINGTON SOUTH PAD
NEW MILTON DISTRICT
DODDRIDGE COUNTY, WV

NUMBER	REVISION	DATE	BY



● PROJECT LOCATION



WATERSHED (HUC8): LITTLE MUSKINGUM-MIDDLE ISLAND
NEW MILTON 7.5 QUAD
PROJECT LOCATION SCALE 1" = 2000'

AFFECTED TAX PARCELS:
BRIAN E. DAVIS DB262 PG 360 TM 11 PARCEL 17 NEW MILTON DISTRICT
CHARLES W III, JASON A. YEAGER DB 273 PG 394 TM 11 PARCEL 18 NEW MILTON DISTRICT

PROJECT CONTACTS

ANTERO RESOURCES
ANTHONY SMITH, FIELD ENGINEER
304-869-3405 OFFICE
304-673-6196 CELL

ELI WAGONER, ENVIRONMENTAL ENGINEER
304-622-3842, EXT. 311
OFFICE 304-476-9770

JOHN KAWCAK, ENGINEER
817-368-1553

AARON KUNZLER, CONSTRUCTION SUPERVISOR
405-277-8344

SURVEYOR & ENGINEER
WHITE BROTHERS CONSULTING, LLC
LEE SNYDER, P.S.
304-550-9484
TIMOTHY T. WHITE, P.E.
304-561-4477

MISS UTILITY OF WEST VIRGINIA
1-800-245-4848
WEST VIRGINIA STATE LAW REQUIRES THAT YOU CALL TWO BUSINESS DAYS BEFORE YOU DIG IN THE STATE OF WEST VIRGINIA. IT'S THE LAW!!



Know what's below.
Call before you dig.

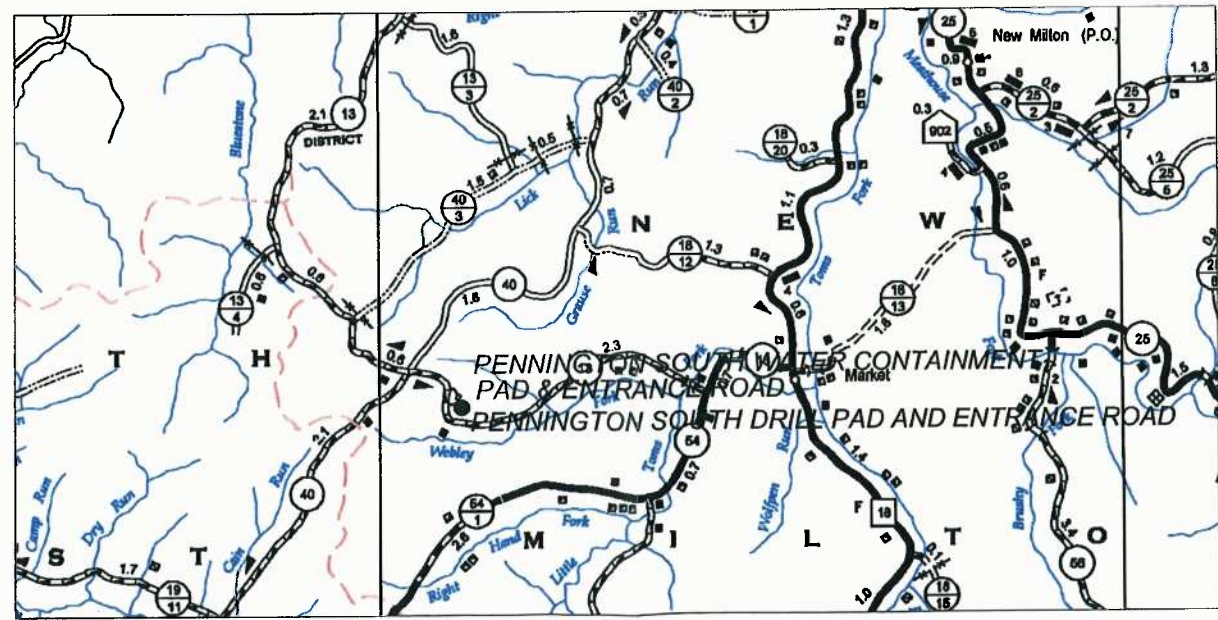
SITE LOCATIONS STATE PLANE NAD 83 (WV NORTH ZONE)		
DESCRIPTION	LATITUDE	LONGITUDE
CENTER OF PAD	39-12-09.3730	-80-44-27.5623
CENTER OF TANK	39-12-13.8287	-80-44-25.7614
BEGIN WATER CONTAINMENT PAD ACCESS RD	39-12-17.4915	-80-44-32.3446
BEGIN PAD ACCESS ROAD	39-12-10.5896	-80-44-34.2252
CENTER OF PAD (UTM 83-17 M)	N 4339074.087	E 522349.608

LOD AREAS (ACRES)	
DESCRIPTION	AREA
MAIN ROAD TO WATER CONTAINMENT PAD	1.70
MAIN ROAD TO DRILL PAD	1.08
DRILL PAD	4.28
WATER CONTAINMENT PAD	3.31
TURNOUT PAD	0.50
TOTAL	10.87
TOTAL WOODED	6.70

TOTAL DISTURBANCE (ACRES)	
LAND OWNER	AREA
BRIAN E. DAVIS	10.01
CHARLES W III, JASON A YEAGER	0.86

LENGTH (FEET)		
DESCRIPTION	LENGTH (FEET)	FEET
COUNTY ROUTE TO WATER CONTAINMENT PAD	505	
COUNTY ROUTE TO DRILL PAD	383	
TOTAL	888	

EPHEMERAL STREAM IMPACTS (LINEAR FEET)				
STREAM & IMPACT CAUSE	CULVERT (LF)	INLETS/OUTLETS STRUCTURES (LF)	CONST. DISTURB TO LOD (LF)	TOTAL IMPACT (LF)
STREAM 1 (DRILL PAD ROAD)	127	12	8	147
TOTAL				147



DRILL PAD EL. 1060.0'

WELL HEAD LAYOUT STATE PLANE NAD 83 (WV NORTH ZONE)			
	NORTH	EAST	LONGITUDE
ANCHOR UNIT 2H	258343.4677	1616794.0588	39-12-09.4351 -80-44-28.0567
ANCHOR UNIT 1H	258341.7416	1616803.8067	39-12-09.4193 -80-44-27.9313
PORTER MAXWELL UNIT 1H	258340.0156	1616813.7556	39-12-09.4036 -80-44-27.8059
LINCOLN UNIT 1H	258338.2895	1616823.6065	39-12-09.3879 -80-44-27.5805
PENNINGTON SOUTH UNIT 1H	258336.5634	1616833.4564	39-12-09.3722 -80-44-27.5551
PENNINGTON SOUTH UNIT 2H	258334.8373	1616843.3063	39-12-09.3565 -80-44-27.4296

WELL HEAD LAYOUT STATE PLANE NAD 27 (WV NORTH ZONE)				UTM 83-17 M	
	LATITUDE	LONGITUDE	NORTHING	EASTING	
ANCHOR UNIT 2H	39-12-09.1257	-80-44-28.6855	4339075.966	522337.742	
ANCHOR UNIT 1H	39-12-09.1099	-80-44-28.5601	4339075.490	522340.751	
PORTER MAXWELL UNIT 1H	39-12-09.0943	-80-44-28.4347	4339075.014	522343.760	
LINCOLN UNIT 1H	39-12-09.0786	-80-44-28.3092	4339074.538	522346.770	
PENNINGTON SOUTH UNIT 1H	39-12-09.0628	-80-44-28.1838	4339074.062	522349.779	
PENNINGTON SOUTH UNIT 2H	39-12-09.0471	-80-44-28.0584	4339073.586	522352.789	

WELL LOCATION RESTRICTIONS

- THE PAD COMPLIES WITH THE FOLLOWING RESTRICTIONS (EXCEPTIONS NOTED):
- 250' FROM AN EXISTING WELL OR DEVELOPED SPRING USED FOR HUMAN OR DOMESTIC ANIMALS
 - 625' FROM AN OCCUPIED DWELLING OR BARN GREATER THAN 2500SF USED FOR POULTRY OR DAIRY MEASURED FROM THE CENTER OF THE PAD
 - EXCEPTION: HOUSE IS LOCATED 588.5' FROM CENTER OF PAD; DISTANCE NOTED ON PLANS. A WVDEP WAIVER WILL BE REQUIRED FOR THIS PARTICULAR HOUSE LOCATED WITHIN THE 625' DISTANCE.
 - 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

FLOODPLAIN CONDITIONS	
DO SITE CONSTRUCTION ACTIVITIES TAKE PLACE IN FLOODPLAIN:	NO
PERMIT NEEDED FROM COUNTY FLOODPLAIN COORDINATOR:	NO
HEC-RAS STUDY COMPLETED:	NO
FLOODPLAIN SHOWN ON DRAWINGS:	N/A
FIRM MAP NUMBER(S) FOR SITE:	54017C0230C
ACREAGES OF CONSTRUCTION IN FLOODPLAIN:	N/A

SHEET INDEX	
COVER PAGE & LOCATION MAP	1
SCHEDULE OF QUANTITIES	2
CONSTRUCTION, GENERAL AND E&S NOTES	3
EXISTING CONDITIONS PLAN	4
OVERALL SITE PLAN	5
OVERALL SITE PLAN AERIAL	6
FEMA FIRM MAP EXHIBIT	7
EROSION & SEDIMENT CONTROL PLAN	8-9
FINAL SITE DESIGN	10-11
DRILL PAD PROFILE & CROSS-SECTIONS	12
WATER CONTAINMENT PAD PROFILE & CROSS-SECTIONS	13
WATER CONTAINMENT PAD ROAD AND PAD ROAD PROFILE	14
WATER CONTAINMENT PAD ROAD CROSS SECTIONS	15-16
PAD ROAD CROSS-SECTIONS	17-18
CONSTRUCTION DETAILS	19-20
RECLAMATION PLAN	21-22

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.

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.

I:\SERVER-PC\SANSURVEY\12-500-35 PENNINGTON SOUTH\FINAL\LITTLE.DWG 7/31/2013 12:55 PM