

Doddridge County Sheriff
Flood Plain Ordinance Fund

1053

69-217/515

DATE August 20, 2013

PAY TO THE
ORDER OF ANTERO RESOURCES

\$ 3,492.45

Three Thousand Four Hundred Ninety-Two Dollars and 45/100-----DOLLARS

Security features
included.
Details on back.



Ralph Sandora Jr.
Beth A. Rogers
[Signature] MP

MEMO #13-059 Reimbursement

⑈001053⑈ ⑆051502175⑆ 1196499⑈



ANTERO RESOURCES CORPORATION
 1625 17th STREET, SUITE 300
 DENVER, COLORADO 80202

Vendor Name	Vendor No.	Date	Check Number	Check Total
DODDRIDGE COUNTY CLERK	45582	Aug-01-2013	34809	\$3,623.63

VOUCHER	VENDOR INV #	INV DATE	TOTAL AMOUNT	PRIOR PMTS & DISCOUNTS	NET AMOUNT
08-AP-307	GTONNORTH PAD	08/01/13	3,623.63	0.00	3,623.63
PENNINGTON NORTH PAD-FLOOD PLAIN PERMIT					
TOTAL INVOICES PAID					3,623.63

13-059

Pennington North - Doddridge Cty Floodplain Permit

DETACH AND RETAIN FOR TAX PURPOSES

By: BH - MEH - AML
Asst. Chief Tax Deputy

W. C .Underwood Jr.
Sheriff of Doddridge County

The Person paying Money into the Treasury shall forthwith file one of these Receipts with the County Clerk

Doddridge County, West Virginia

No. 272

Date: August 9, 2013
Customer copy

Received: #13-059 antero Pennington north

\$3,623.63

In Payment For: 318 Building Permits (LP)

For: 12-Flood Plain Ordinance #20 Fund

By: BH - MEH - AML
Asst. Chief Tax Deputy

W. C .Underwood Jr.
Sheriff of Doddridge County

Doddridge County Flood Plain Refund Calculator (if not in Flood Plain)**Pennington North Pad**

Estimated Construction Costs	424,725.67
Amount over \$100,000	324,725.67
Drilling Oil and Gas Well Fee	1,000.00
Deposit for additional charges	1,000.00
\$5 per \$1,000 over \$100,000	1,623.63
Amount Due with application	3,623.63
95% of Application Fee minus \$1,000 deposit	2,492.45
Cost for Permit	131.18
Total Refund (Includes 100% of 1,000 deposit)	\$3,492.45



August 1, 2013

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

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

Mr. Wellings:

Antero Resources Corporation (Antero) would like to submit a Doddridge County Floodplain permit application for our Pennington North Drill Pad. Our project is located in Doddridge County, New Milton District and per FIRM map #54017C0230C, this location is not within the floodplain.

Attached you will find the following:

- Doddridge County Floodplain Permit Application & Required Permit Fees
- FIRM Map

If you have any questions please feel free to contact me at (303) 357-6820.

Thank you in advance for your consideration.

Sincerely,

Shauna Redican
Permit Representative
Antero Resources Corporation

Enclosures

2013 AUG -2 PM 2:06
DODDRIDGE COUNTY, WV

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.**

DODDRIDGE COUNTY
PERMITS DEPARTMENT
MAY 13 2013

2013 AUG -2 PM 2:06

FILED

APPLICANT'S SIGNATURE _____

DATE August 1, 2013

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 Appalachian Corporation - Shauna Redican, Permit Representative

ADDRESS: 1625 17th Street, Denver, CO 80202

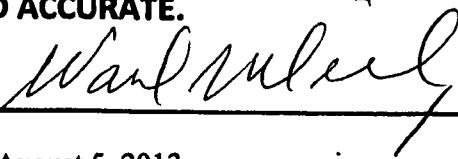
TELEPHONE NUMBER: Contact Shauna Redican: 303-357-6820

DODDRIDGE COUNTY FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

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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 August 5, 2013

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.

Antero Resources Corporation - Ward McNeilly, VP of Engineering

APPLICANT'S NAME: _____

ADDRESS: 1625 17th Street, Denver, CO 80202

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

BUILDER'S NAME: Antero Resources Appalachian Corporation

ADDRESS: 1625 17th Street, Denver, CO 80202

TELEPHONE NUMBER: (303) 357-7310

ENGINEER'S NAME: Allegheny Surveys, Inc. - Charles K. Wilson

ADDRESS: 172 Thompson Drive, Bridgeport, WV 26330

TELEPHONE NUMBER: 304-848-5035

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: New Milton

DATE/FROM WHOM PROPERTY

PURCHASED: _____

LAND BOOK DESCRIPTION: _____

DEED BOOK REFERENCE: _____

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 \$ 424,725.67

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 B _____
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: _____
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.

Pennington North Pad Doddridge County Floodplain Permit – Exhibit A

Surface Owner Name	Address	Deed/Page	Tax Map/ Parcel
Morris Ike	PO BOX 397, GLENVILLE WV 26351	230/307	7/1
Bernard C. & Maureen F. Pennington	1989 Webley Fork Rd, New Milton, WV 25411	226/701	11/3'

- (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.

Ward McNeilly, VP of Engineering

NAME (PRINT): _____

SIGNATURE: W. McNeilly DATE: August 1, 2013

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: 230
 Dated: 10/04/2011

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 Don Wellings

DATE 08/05/2013

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** _____

EXHIBIT B-ADJACENT SURFACE OWNER INFORMATION

Pennington North information:

Impact Parcel - MORRIS I L (IKE) Acres 2325.49964253 District 6 Map 7 PID 1 Book 230 Page 307

GLENVILLE

FID 2933

DIST 6

MAP 7

PID 1

GIS_Link 6-7-1

TAXDIST 6

TAXYR 2008

PARID 06
7000100000000

PAR_MAP 7

PAR_MAP1 1

PAR_MAP2 0

OWNTYPE1

OWNTYPE2

OWN1 MORRIS I L (IKE)

OWN2

ADDR1

ADDR2 PO BOX 397

ADDR3	GLENVILLE WV 26351
-------	-----------------------

CITYNAME GLENVILLE

STATECODE	WV
-----------	----

ZIP1 26351

BOOK	230
------	-----

PAGE 307

LEGAL1	LICK RUN
--------	----------

LEGAL2 2331.51 AC

GISJOIN	6-7-1
---------	-------

MAPPED_AC 2325.499643

Upstream Impact - PENNINGTON BERNARD C & Acres 175.01053225 District 6 Map 11 PID 3 Book 226 Page 701

NEW MILTON

FID 3097

DIST	6
------	---

MAP 11

PID	3
-----	---

GIS_Link 6-11-3

TAXDIST	6
---------	---

TAXYR 2008

PARID	06 11000300000000
-------	----------------------

PAR_MAP 11

PAR_MAP1 3

PAR_MAP2 0

OWNTYPE1

OWNTYPE2

OWN1 PENNINGTON
BERNARD C &

OWN2 MAUREEN F
(SURV)

ADDR1

ADDR2 RT 1 BOX 46

ADDR3 NEW MILTON
WV 26411

CITYNAME NEW MILTON

STATECODE WV

ZIP1 26411

BOOK 226

PAGE 701

LEGAL1 TOMS FK

LEGAL2 174.75 AC

GISJOIN 6-11-3

MAPPED_AC 175.010532

MERCER

FID 3098

DIST 6

MAP 11

PID 3.1

GIS_Link 6-11-3.1

TAXDIST 6

TAXYR 2008

PARID 06
11000300010000

PAR_MAP 11

PAR_MAP1 3

PAR_MAP2 1

OWNTYPE1

OWNTYPE2

OWN1 DAWSON
BENJAMIN H &
DIANE M

OWN2 (SURV)

ADDR1

ADDR2 1266 S LAKE RD

ADDR3	MERCER PA 16137
-------	--------------------

CITYNAME MERCER

STATECODE	PA
-----------	----

ZIP1 16137

BOOK	256
------	-----

PAGE 140

LEGAL1	1 AC TOM'S FK
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LEGAL2

GISJOIN	6-11-3.1
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MAPPED_AC 1.487178

CLEARING & GRUBBING; EROSION & SEDIMENT CONTROLS

Pennington North Pad and Associated Pit

	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
MOBILIZATION	1	EA	\$19,140.00	\$19,140.00
CONSTRUCTION ENTRANCE	1	EA	\$3,172.76	\$3,172.76
CLEARING & GRUBBING	9.65	AC	\$4,513.25	\$43,552.86
TREE REMOVAL	9.17	AC	\$2,953.00	\$27,079.01
8" COMPOST FILTER SOCK	0	LF	\$2.83	\$0.00
12" COMPOST FILTER SOCK	1,175	LF	\$3.82	\$4,488.50
18" COMPOST FILTER SOCK	700	LF	\$7.94	\$5,558.00
24" COMPOST FILTER SOCK	0	LF	\$9.23	\$0.00
32" COMPOST FILTER SOCK	1,225	LF	\$14.00	\$17,150.00
JUTE MATTING - SLOPE MATTING	7,500	SY	\$2.13	\$15,975.00
SUPER SILT FENCE	525	LF	\$8.48	\$4,452.00
9" STRAW WATTLES	1,500	LF	\$3.11	\$4,665.00
TOTAL				\$145,233.13

RETAINING STRUCTURES

	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
CONCRETE BIN BLOCKS (2' x 2' x 6')	0	EA	\$75.00	\$0.00
GABION CAGES WITH STONE (3' X 3' X 6')	0	EA	\$175.00	\$0.00
HORIZONTAL REINFORCEMENT (INSTALL TENSAR TX190 GEOGRID or EQUIVALENT)	0	SY	\$0.82	\$0.00
TOTAL				\$0.00

SITE

	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
DRILL PAD EXCAVATION	23,970	CY	\$3.75	\$89,887.50
ACCESS ROADS EXCAVATION	249	CY	\$4.16	\$1,035.84
TANK PAD and/or ASSOCIATED PIT EXCAVATION	19,156	CY	\$4.13	\$79,114.28
OFFLOAD PAD EXCAVATION	0	CY	\$7.00	\$0.00
SPOIL PAD EXCAVATION	0	CY	\$3.84	\$0.00
TRUCK QUEUE / TURNAROUND EXCAVATION	3	CY	\$4.13	\$12.39
TOPSOIL	3,000	CY	\$4.09	\$12,270.00
DIVERSION DITCH	0	LF	\$4.50	\$0.00
ROADSIDE DITCH	200	LF	\$3.99	\$798.00
TOTAL				\$183,118.01

SUMP(S) PER ANTERO RESOURCES STANDARD DETAIL

	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
INSTALL 102" x 78" x 44" PRE CAST SUMP	4	EA	\$844.22	\$3,376.88
VALVE BOX HDPE PIPE (MINIMUM 12" DIAMETER x 48" HEIGHT)	4	EA	\$545.50	\$2,182.00
4" PVC CONNECTIVE PIPE (ANTERO SUMP DRAIN DETAIL)	120	LF	\$9.42	\$1,130.40
TOTAL				\$6,689.28

AGGREGATE SURFACING - SPREADING, COMPACTION, and/or INSTALLATION

	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
DRILL PAD AASHTO #1 (8" THICK)	6,000	TON	\$2.59	\$15,540.00
DRILL PAD 1 1/2" or 3/4" CRUSHER RUN STONE (2" THICK)	1,500	TON	\$2.89	\$4,335.00
DRILL PAD GEOTEXTILE FABRIC (US 200)	14,000	SY	\$1.06	\$14,840.00
ACCESS ROADS 6" OR 4" MINUS CRUSHER RUN AGGREGATE (8" THICK)	600	TON	\$2.83	\$1,698.00
ACCESS ROADS 1 1/2" OR 3/4" CRUSHER RUN STONE (2" THICK)	150	TON	\$2.95	\$442.50
ACCESS ROADS GEOTEXTILE FABRIC (US 200)	1,300	SY	\$1.02	\$1,326.00
*INSTALL TENSAR TX190 GEOGRID or EQUIVALENT	0	SY	\$0.82	\$0.00
OFFLOAD PAD/TRUCK QUEUE/TURNAROUND AASHTO #1 (8" THICK)	360	TON	\$4.50	\$1,620.00
OFFLOAD PAD/TRUCK QUEUE/TURNAROUND 1 1/2" or 3/4" CRUSHER RUN AGGREGATE (2" THICK)	90	TON	\$4.50	\$405.00
OFFLOAD PAD/TRUCK QUEUE/TURNAROUND GEOTEXTILE FABRIC (US 200)	750	SY	\$1.25	\$937.50
*INSTALL TENSAR TX190 GEOGRID or EQUIVALENT	0	SY	\$1.00	\$0.00
TOTAL				\$41,144.00

ROAD CULVERTS

	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
15" HDPE	0	LF	\$20.11	\$0.00
18" HDPE	0	LF	\$23.33	\$0.00
24" HDPE	0	LF	\$41.20	\$0.00
30" HDPE	0	LF	\$32.50	\$0.00
36" HDPE	0	LF		\$0.00
42" HDPE	0	LF		\$0.00
48" HDPE	0	LF		\$0.00
60" HDPE	0	LF	\$200.00	\$0.00
R4 RIP RAP (INLETS/OUTLETS)	50	TON	\$35.69	\$1,784.50

AASHTO #1 STONE (DITCH CHECKS)	5	TON	\$61.10	\$305.50
DITCH LINING - (ACCESS ROAD) JUTE MATTING	0	SY	\$3.00	\$0.00
DITCH LINING - (ACCESS ROAD) SYNTHETIC MATTING (TRM)	200	SY	\$3.45	\$690.00
DIVERSION DITCH LINING - SYNTHETIC MATTING (TRM)	0	SY	\$3.45	\$0.00
TOTAL				\$2,780.00

FENCING/GATES

	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
4 FT WOVEN WIRE FARM FENCE w/MINIMUM 10 FT POST SPACING (WOODEN and/or "T" POST)	900	LF	\$16.50	\$14,850.00
16 FT DOUBLE GATE	1	EA	\$1,200.00	\$1,200.00
TOTAL				\$16,050.00

SEEDING

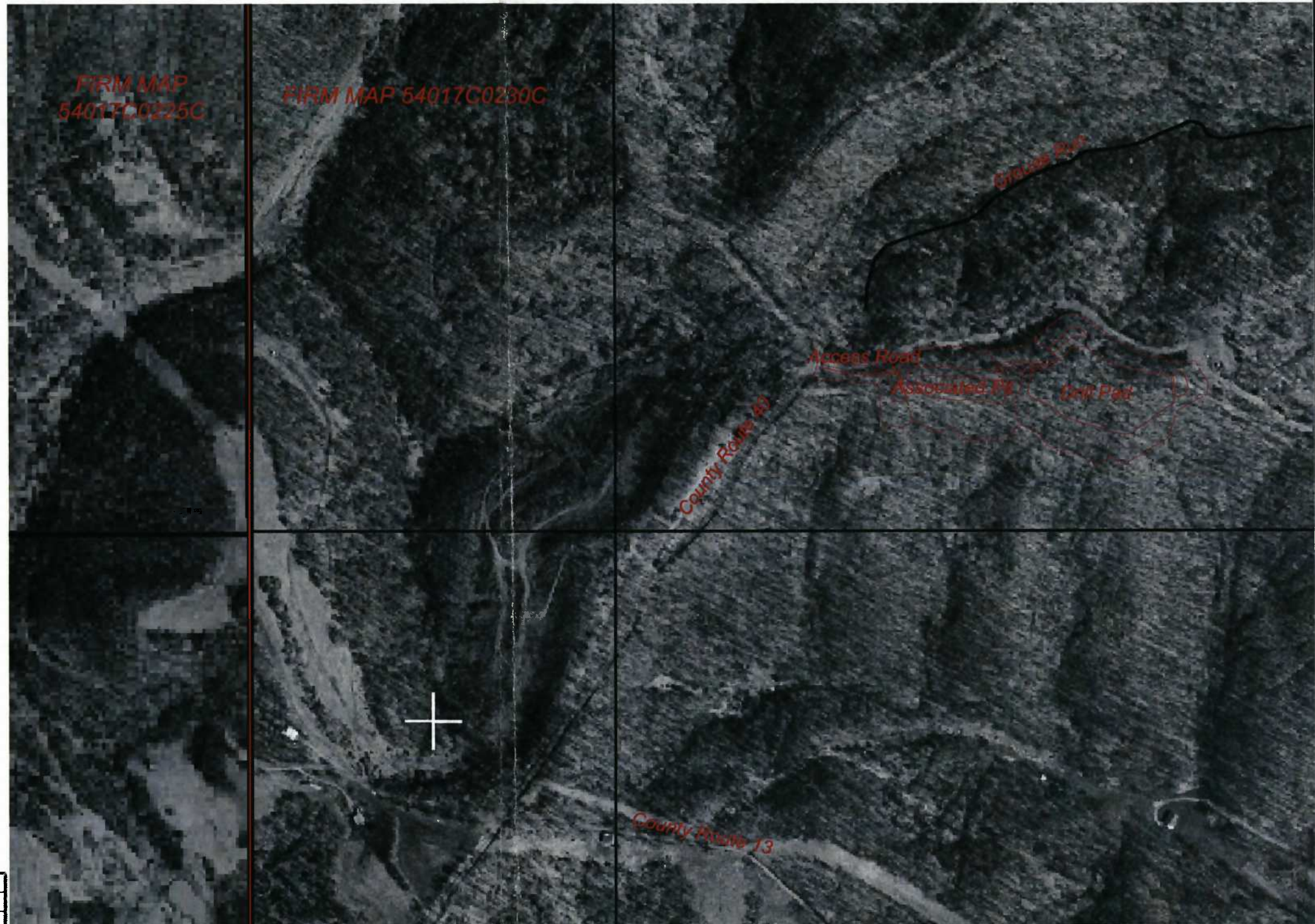
	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
SITE SEEDING (LIME, FERTILIZER, SEEDING, AND HYDRO-MULCH w/TACK (HYC-2 OR EQUAL))	9	AC	\$3,301.25	\$29,711.25
TOTAL				\$29,711.25

UNFORESEEN SITE CONDITIONS

	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
*ROCK CLAUSE - BLASTING	0.0	CY	\$3.27	\$0.00
*ROCK CLAUSE - HOE RAMMING	0.0	CY	\$11.35	\$0.00
*FRENCH DRAINS	0.0	FT	\$10.93	\$0.00
*ORANGE SAFETY FENCE w/"T" POST (10FT CENTERS) - WETLAND PROTECTION	0.0	LF	\$10.60	\$0.00
*STEEL PANELS w/"T" POST (10 FT CENTERS) - WETLAND PROTECTION	0.0	LF	\$6.35	\$0.00
*SILT FENCE	0.0	LF	\$4.00	\$0.00
*TEMPORARY SEEDING	0.0	AC	\$2.67	\$0.00
*CONSTRUCTION STAKEOUT	0.0	HOURL	\$1,962.50	\$0.00
* JUTE MATTING - SLOPE MATTING	0.0	SY	\$2.13	\$0.00
TOTAL				\$0.00

GRAND TOTAL \$424,725.67

**PENNINGTON NORTH PAD AND ASSOCIATED PIT
PROJECT LOD OVER FEMA FIRM MAP 54017C0230C (DODDRIDGE CO.)
ANTERO RESOURCES CORPORATION**



SITE LOCATIONS NAD 83		
Center of Pad (UTM Meters)	N=4340181.11 m	E=822531.52 m
Begin Access Road (UTM Meters)	N=4340178.85 m	E=822220.91 m
Center Associated Pit (UTM Meters)	N=4340182.38 m	E=822370.43 m
	LATITUDE	LONGITUDE
Center of Pad	39.2104302	-80.7390214
Begin Access Road	39.2105981	-80.7426198
Center Associated Pit	39.2104458	-80.7408872

NEW MILTON DISTRICT, DODDRIDGE COUNTY, WV
MIDDLE ISLAND CREEK & MEATHOUSE FORK
WATERSHEDS

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:	540017C0230C
ACREAGES OF CONSTRUCTION IN FLOODPLAIN:	N/A



Allegheny Surveys, Inc.
172 Thompson Drive
Bridgeport, WV 26330
(304) 848-5035

L&W ENTERPRISES, INC.

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THIS DOCUMENT
PREPARED FOR
ANTERO RESOURCES
CORPORATION

PROJECT LOD OVER FEMA FIRM MAP
54017C0230C (DODDRIDGE CO.)
ANTERO RESOURCES CORPORATION
**PENNINGTON NORTH PAD AND
ASSOCIATED PIT**
NEW MILTON DISTRICT
DODDRIDGE COUNTY, WV

Date: 6/25/13

Scale: 1" = 200'

Designed By: CKW/CXM

File No. Antero 217-12

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