

#14-163

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: Thrasher Engineering
ADDRESS: 30 Columbia Blvd., Clarksburg, WV26301
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: Central

DATE/FROM WHOM PROPERTY

PURCHASED: N/A

LAND BOOK DESCRIPTION: *Please see

DEED BOOK REFERENCE: Attached Exhibit A

TAX MAP REFERENCE: _____

EXISTING 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 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:

- | | | | | | | | |
|-------------------------------------|--|--------------------------|--------|-------------------------------------|----------|--------------------------|------------|
| <input type="checkbox"/> | Fill | <input type="checkbox"/> | Mining | <input checked="" type="checkbox"/> | Drilling | <input type="checkbox"/> | Pipelining |
| <input checked="" type="checkbox"/> | Grading | | | | | | |
| <input type="checkbox"/> | Excavation (except for STRUCTURAL DEVELOPMENT checked above) | | | | | | |
| <input type="checkbox"/> | Watercourse Alteration (including dredging and channel modification) | | | | | | |
| <input type="checkbox"/> | Drainage Improvements (including culvert work) | | | | | | |
| <input checked="" type="checkbox"/> | Road, Street, or Bridge Construction | | | | | | |
| <input type="checkbox"/> | Subdivision (including new expansion) | | | | | | |
| <input type="checkbox"/> | Individual Water or Sewer System | | | | | | |
| <input type="checkbox"/> | 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 - Project is NOT located in Floodplain

D. ADJACENT AND/OR AFFECTED LANDOWNER.

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 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.

EXHIBIT A – SURFACE OWNERS (TRENT PAD)

SURFACE OWNER(s)

Name: Clarence Jr. & Deborah Trent

Address: 20186 HCL Jackson

Grosse Ile, MI 48138

**TM 10, Pcl 18
DB 243/ Pg 668**

SURFACE OWNER(s)

Name: Kenneth P. & Ronda J. Moran

Address: 1054 Wolf Pen Road

New Milton, WV 26411

**TM 10, Pcl 18
DB 243/ Pg 668**

- (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 Jones

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:

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


Trent Pad

Center of Pad:
80.62921 W,
39.20931 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.

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 1423 feet

Location (long, lat): 80.629213 W, 39.209316 N

Location (UTM 17N): (532012, 4340071)

FEMA Issued Flood Map: 54017C0235C

Contacts: Doddridge County

CRS Information: No CRS information available

Parcel Number:

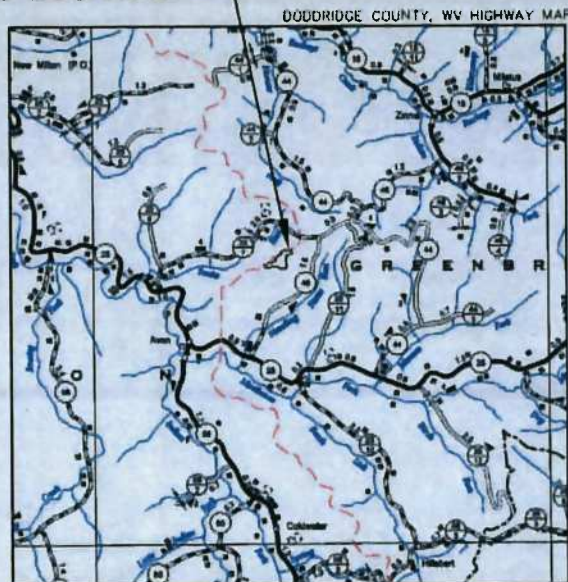


ANTERO RESOURCES TRENT SITE DESIGN & CONSTRUCTION AND EROSION & SEDIMENT CONTROL PLANS

GREENBRIER AND NEW MILTON DISTRICTS,
DODDRIDGE COUNTY, WEST VIRGINIA

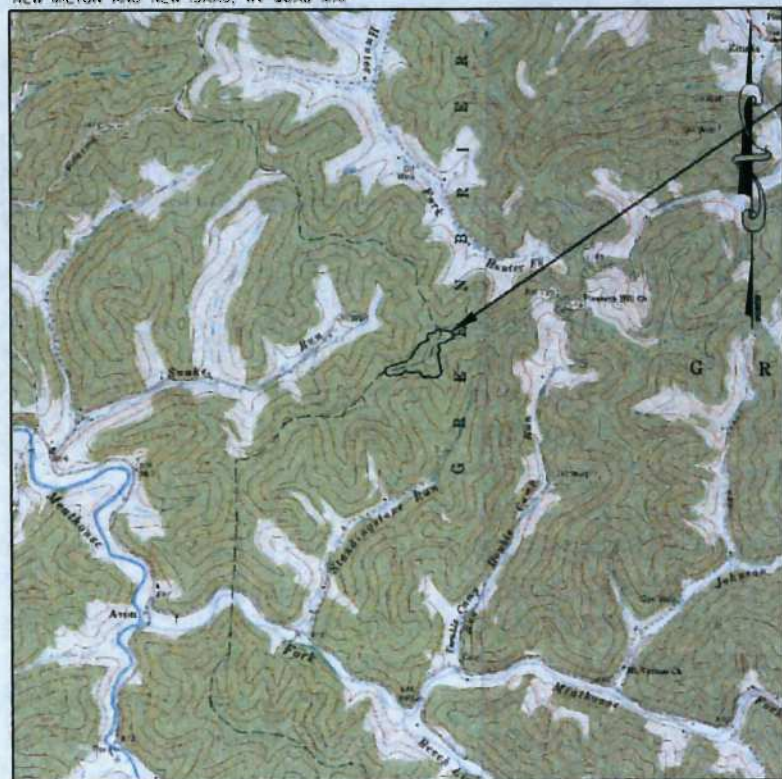
OCTOBER 4, 2012

PROJECT LOCATION



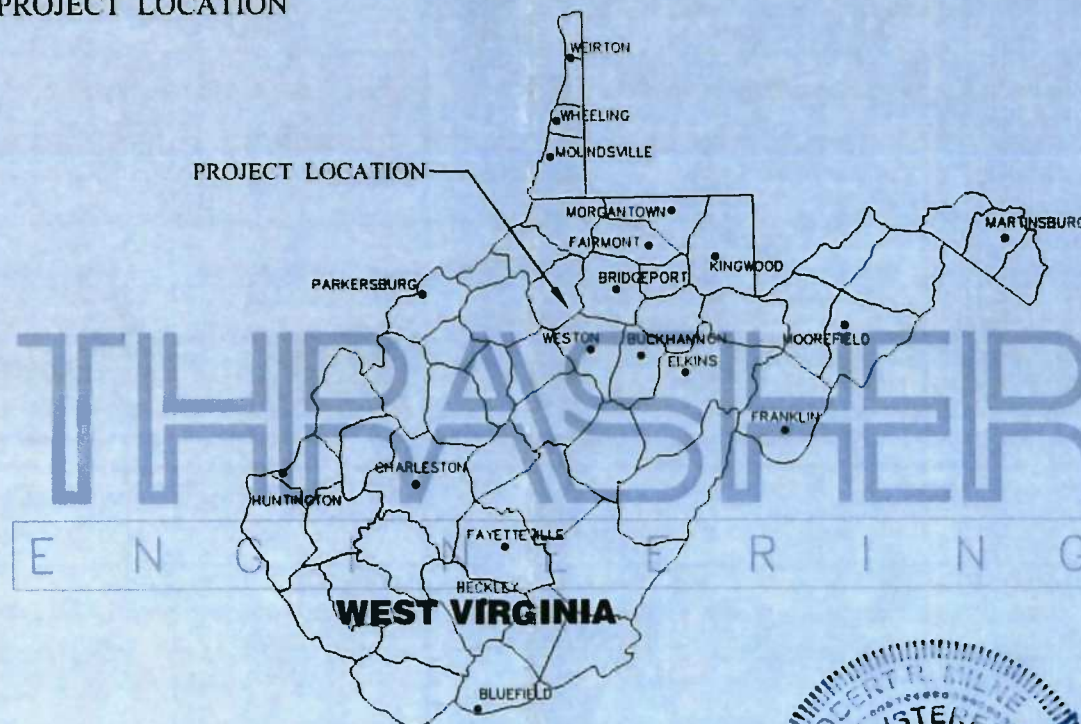
VICINITY MAP
5000 0 5000 10000

NEW MILTON AND NEW ISAAC, WV QUAD MAP



VICINITY MAP
2000 0 2000 4000

PROJECT LOCATION



CENTER OF BOREHOLE COORDINATES (NAD83, WV STATE PLANES, NORTH, FOOT)				
WELL NAME	NORTHING	EASTING	LATITUDE	LONGITUDE
LIFE UNIT 2H	260423.9703	1648582.7632	N 39.20948"	W 80.62905"
LIFE UNIT 3H	260415.0246	1648578.2937	N 39.20946"	W 80.62907"
LIFE UNIT 1H	260406.0790	1648573.8243	N 39.20943"	W 80.62908"
BAKER UNIT 2H	260397.1334	1648569.3548	N 39.20941"	W 80.62910"
BAKER UNIT 1H	260388.1878	1648564.8854	N 39.20938"	W 80.62911"
STANDINGS UNIT 1H	260379.2422	1648560.4159	N 39.20936"	W 80.62913"
BOWEN UNIT 1H	260370.2966	1648555.9464	N 39.20934"	W 80.62915"
COX UNIT 2H	260361.3510	1648551.4770	N 39.20931"	W 80.62916"
COX UNIT 1H	260352.4054	1648547.0075	N 39.20929"	W 80.62918"
BOWEN UNIT 2H	260343.4598	1648542.5381	N 39.20926"	W 80.62919"

REVISION NUMBER	REVISED SHEETS	BY	DATE	DESCRIPTION
1	3,4,6,7,15,16,19	RJH	10/4/12	REMOVED DISTURBANCE OFF OF ADJOINING LANDOWNER
2	6,7,12,15,19,21	EMS	11/26/12	REVISED ENV. DELINEATION PER G.A.I., ADDED SUMP DETAIL
3	2,7,12-27	EMS	01/16/13	WVDEP OFFICE OF OIL & GAS COMMENTS ADDRESSED

WELL PAD CENTER
NAD 83, WV STATE PLANES, NORTH, FOOT
N: 260360.8993
E: 1648536.7191
LAT: N 39.20931°, 39°12'33.52"
LONG: W 80.62921°, 80°37'45.16"
NAD 83, UTM ZONE 17, METER
N: 4340069.733
E: 532012.349

ACCESS ROAD BEGINNING
NAD 83, WV STATE PLANES, NORTH, FOOT
N: 260897.5404
E: 1649039.2152
LAT: N 39.21080°, 39°12'38.88"
LONG: W 80.62746°, 80°37'38.86"
NAD 83, UTM ZONE 17, METER
N: 4340235.771
E: 532162.710

FEMA FLOOD MAP
DODDRIDGE COUNTY, WV
PANEL: 235 OF 325



APPROVED FOR PERMITS DATE: _____ BY: _____
 APPROVED FOR CONSTRUCTION DATE: 1/16/13 BY: RM

PHONE (304) 624-4108 **THRASHER ENGINEERING** (FAX) (304) 624-7831
CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
30 COLUMBIA BOULEVARD - CLARKSBURG, WV 26301

CAD FILE: R:\1030-2151 Antero - Trent Well Pad\1030-2151-CONVE.dwg PLOT DATE/TIME: 1/28/2008 8:07 AM LAYOUT: Layout1

QUANTITY SUMMARY

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
1	TOTAL EARTHWORK	CY	61,200
2	18-IN HDPE CULVERT	LF	383
3	OUTLET PROTECTION	EA	9
4	VEGETATED DITCH	LF	1,115
5	ROCK LINED DITCH	LF	905
6	ROCK CHECK DAM	EA	16
7	24-IN COMPOST FILTER SOCK	LF	2,090
8	SUPER SILT FENCE	LF	100
9	GRUBBED AREA	AC	14.4
10	SEEDING AND MULCHING	AC	9.7
11	FARM FENCE - 3 STRAND BARBED WIRE WITH METAL AND WOOD POSTS	LF	3,700
12	FARM GATE - 12-LF DURA-BUILT ECONOMY BULL-GATE (OR APPROVED EQUAL)	EA	2
13	FABRIC FOR SEPARATION	SY	36,400
14	AASHTO #1 ROCK	TN	24,000
15	1.5-INCH CRUSH AND RUN AGGREGATE	TN	16,000

EARTHWORK SCHEDULE OF QUANTITIES

LOCATION	TOPSOIL REMOVAL	CUT	FILL	NET
WELL PAD	3,507-CY	10,329-CY	36,988-CY	30,166-CY <FILL>
ACCESS ROAD 1	906-CY	2,477-CY	833-CY	738-CY <CUT>
ACCESS ROAD 2	1,700-CY	9,016-CY	4,390-CY	2,925-CY <CUT>
ACCESS ROAD 3	184-CY	145-CY	859-CY	897-CY <FILL>
ACCESS ROAD 4	185-CY	103-CY	786-CY	868-CY <FILL>
FRAC PIT	2,595-CY	39,088-CY	387-CY	36,106-CY <CUT>
WASTE AREA	634-CY	53-CY	7,751-CY	7,751-CY <FILL>
TOPSOIL STOCKPILE	-	0-CY	9,710-CY	9,710-CY <FILL>
SITE RECLAMATION	-	7,751-CY	7,751-CY	-
OVERALL	9,710-CY	61,211-CY	51,994-CY	88-CY

SURFACE OWNER LAND DISTURBANCE SUMMARY

KENNETH P. AND RONDA J. MORAN TM 13 PAR 20 DB 297-PG 360		
CONSTRUCTION LOCATION	AREA(SF)	AREA(AC)
FRAC PIT	49,684	1.14
WELL PAD	94,209	2.16
ROAD	39,842	0.91
TOPSOIL STOCKPILE	25,752	0.59
WASTE STOCKPILE	0	0.00
TIMBER STOCKPILE	0	0.00
TOTAL	209,487	4.81

CLARENCE JR. & DEBORAH TRENT & KENNETH J. MORAN TM 10 PAR 18 DB 243 PG 668		
CONSTRUCTION LOCATION	AREA(SF)	AREA(AC)
FRAC PIT	90,548	2.08
WELL PAD	202,432	4.65
ROAD	51,027	1.17
TOPSOIL STOCKPILE	0	0.00
WASTE STOCKPILE	44,810	1.03
TIMBER STOCKPILE	10,000	0.23
TOTAL	398,817	9.16

PLOT DATE/TIME: 1/16/2013 9:46 AM

CAD FILE: R:\030-2151 Antero - Trent Well Pad Drawing\02-QUANTITIES.dwg



SURVEY DATE: _____ DATE: _____
 SURVEY BY: _____ DATE: _____
 FIELD BOOK No.: _____
 PROJECT No.: **1-01-030-2151**

THRASHER
 ENVIRONMENTAL CONSULTING & FIELD SERVICES
 30 COLUMBIA BOULEVARD - CLARKSBURG, WY 82401
 PHONE (307) 824-0108 (FAX) (307) 824-7831

ANTERO RESOURCES
 TRENT SITE DESIGN, CONSTRUCTION, AND
 EROSION & SEDIMENT CONTROL PLANS
 DODDRIDGE COUNTY, WEST VIRGINIA
 QUANTITY AND DISTURBANCE SUMMARIES