



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

March 19, 2014

WELL WORK PERMIT

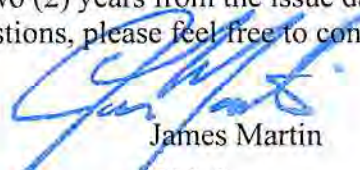
Horizontal 6A Well

This permit, API Well Number: 47-1706468, issued to ANTERO RESOURCES CORPORATION, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: BAKER UNIT 1H
Farm Name: TRENT, CLARENCE ,JR. , ET AL
API Well Number: 47-1706468
Permit Type: Horizontal 6A Well
Date Issued: 03/19/2014

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACOE). Through this permit, you are hereby being advised to consult with USACOE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the fill material shall be within plus or minus 2% of the optimum moisture content as determined by the standard proctor density test, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort. Each lift must meet 95 % compaction of the optimum density based on results from the standard proctor density test of the actual soils used in specific engineered fill sites. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

WW-6B
(9/13)

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: Antero Resources Corporation 494488557 017- Doddridge Greenbrier New Milton 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: Baker Unit 1H Well Pad Name: Trent Pad (existing)

3) Farm Name/Surface Owner: Clarence Trent, Jr. et al Public Road Access: Standing Stone Road CR 46

4) Elevation, current ground: 1410' Elevation, proposed post-construction: 1410'

5) Well Type (a) Gas Oil Underground Storage

Other

(b) If Gas Shallow Deep

Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Associated Pressure(s):
Marcellus Shale: 7700' TVD, Anticipated Thickness: 60', Associated Pressure - 3250#

8) Proposed Total Vertical Depth: 7700' TVD

9) Formation at Total Vertical Depth: Marcellus Shale

10) Proposed Total Measured Depth: 18,300' MD

11) Proposed Horizontal Leg Length: 10,053'

12) Approximate Fresh Water Strata Depths: 135'

13) Method to Determine Fresh Water Depths: Bowen Unit 2H (47-017-06167) on same pad.

14) Approximate Saltwater Depths: 2126'

15) Approximate Coal Seam Depths: 708'

16) Approximate Depth to Possible Void (coal mine, karst, other): None anticipated

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

DCW
2-20-2014

RECEIVED
Office of Oil and Gas
FEB 21 2014
WV Department of
Environmental Protection

WW-6B
(9/13)

18)

CASING AND TUBING PROGRAM

<u>TYPE</u>	<u>Size</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling</u>	<u>INTERVALS: Left in Well</u>	<u>CEMENT: Fill-up (Cu. Ft.)</u>
Conductor	20"	New	H-40	94#	40'	40'	CTS, 38 Cu. Ft.
Fresh Water	13-3/8"	New	J-55/H-40	54.5#/ 48#	310'	310'	CTS, 431 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	2450'	2450'	CTS, 998 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P-110	20#	18300'	18300'	4640 Cu. Ft.
Tubing	2-3/8"	New	N-80	4.7#		7100'	
Liners							

*DCN
2-20-2014*

<u>TYPE</u>	<u>Size</u>	<u>Wellbore Diameter</u>	<u>Wall Thickness</u>	<u>Burst Pressure</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	20"	24"	0.438"	1530	Class A	1.18
Fresh Water	13-3/8"	17-1/2"	0.38"/0.33"	2730/1730	Class A	1.18
Coal	9-5/8"	12-1/4"	0.352"	3520	Class A	1.18
Intermediate						
Production	5-1/2"	8-3/4" & 8-1/2"	0.361"	12630	Lead-H/POZ & Tail - H	H/POZ-1.44 & H-1.8
Tubing	2-3/8"	4.778"	0.19"	11200		
Liners						

PACKERS

Kind:	N/A			
Sizes:	N/A			
Depths Set:	N/A			

Received

FEB 21 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

WW-6B
(9/13)

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill, perforate, fracture a new horizontal shallow well and complete Marcellus Shale.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Antero plans to pump Slickwater into the Marcellus Shale formation in order to ready the well for production. The fluid will be comprised of approximately 99 percent water and sand, with less than 1 percent special-purpose additives as shown in the attached "List of Anticipated Additives Used for Fracturing or Stimulating Well."

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 12.37 acres (existing)

22) Area to be disturbed for well pad only, less access road (acres): 6.403 acres (existing)

23) Describe centralizer placement for each casing string:

Conductor: no centralizers

Surface Casing: one centralizer 10' above the float shoe, one on the Insert float collar and one every 4th joint spaced up the hole to surface.

Intermediate Casing: one centralizer above float joint, one centralizer 5' above float collar and one every 4th collar to surface.

Production Casing: one centralizer at shoe joint and one every 3 joints to top of cement in Intermediate casing.

24) Describe all cement additives associated with each cement type:

Conductor: no additives, Class A cement.

Surface: Class A cement with 2-3% calcium chloride

Intermediate: Class A cement with 1/4 lb of flake, 5 gallons of clay treat

Production: Lead cement- 50/50 Class H/Poz + 1.5% salt + 1% C-45 + 0.5% C-16a + 0.2% C-12 + 0.45% C-20 + 0.05% C-51

Production: Tail cement- Class H + 45 PPS Calcium Carbonate + 1.0% FL-160 + 0.2% ACGB-47 + 0.05% ACSA-51 + 0.2% ACR-20

25) Proposed borehole conditioning procedures:

Conductor: blowhole clean with air, run casing, 10 bbls fresh water.

Surface: blowhole clean with air, trip to conductor shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate pipe capacity + 40 bbls fresh water followed by 25 bbls bentonite mud, 10 bbls fresh water spacer.

Intermediate: blowhole clean with air, trip to surface casing shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate 40 bbls brine water followed by 10 bbls fresh water and 25 bbls bentonite mud, pump 10 bbls fresh water.

Production: circulate with 14 lb/gal NaCl mud, trip to middle of lateral, circulate, pump high viscosity sweep, trip to base of curve, pump high viscosity sweep, trip to top of curve, trip to bottom, circulate, pump high viscosity sweep, trip out, run casing, circulate 10 bbls fresh water, pump 48 bbls barite pill, pump 10 bbls fresh water followed by 48 bbls mud flush and 10 bbls water.

*Note: Attach additional sheets as needed.

Received

FEB 21 2014

Page 3 of 3

WW-9
(9/13)

470170646e

API Number 47 - 017 - _____
Operator's Well No. Baker Unit 1H _____

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Antero Resources Corporation OP Code 494488557

Watershed (HUC 10) Standingstone Run of Meathouse Fork Quadrangle New Milton 7.5'

Elevation 1410' County Doddridge District Greenbrier

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No (*An associated frac pit will be used for flowback fluids)

If so, please describe anticipated pit waste: Drilling and Flowback Fluids

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 60 mil.

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number Future permitted well locations when applicable. API# will be provided on Form WR-34)
- Off Site Disposal (Supply form WW-9 for disposal location) (Meadowfill Landfill Permit #SWF-1032-98)
- Other (Explain _____)

DCW
2-20-2014

Will closed loop system be used? If so, describe: Yes

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Surface - Air/Freshwater, Intermediate - Dist/Stiff Foam, Production - Water Based Mud

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? Please See Attachment

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Stored in tanks, removed offsite and taken to landfill.

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-Landfill or offsite name/permit number? Meadowfill Landfill (Permit #SWF-1032-98)

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature [Signature]

Company Official (Typed Name) Donald Gray

Company Official Title Environmental Manager

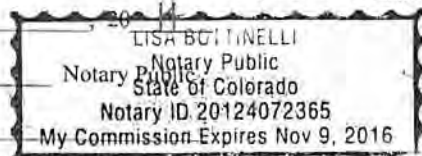
FEB 21 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

Subscribed and sworn before me this 6 day of Feb

[Signature]

My commission expires 11/9/2016



03/21/2014

Form WW-9

Operator's Well No. Baker Unit 1H

Antero Resources Corporation

Proposed Revegetation Treatment: Acres Disturbed 12.37 Prevegetation pH _____

Lime 2-3 Tons/acre or to correct to pH 6.5

Fertilizer type Hay or straw or Wood Fiber (will be used where needed)

Fertilizer amount 500 lbs/acre

Mulch 2-3 Tons/acre

Existing Access Roads (2.544) + Existing Well Pad (6.403) + Existing Frac Pit (2.528) + Existing Stockpiles (.895) = 12.37 Existing Acres

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Oats	168	Tall Fescue	50
Rye	120		
*or type of grass seed requested by surface owner		*or type of grass seed requested by surface owner	

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Douglas Newlen

Comments: seed + mulch any disturbed areas to wd
Dep regulations

Title: Oil + Gas inspector

Date: 2-20-2014

Field Reviewed? Yes No

Received

FEB 21 2014

4701706468



Well Site Safety Plan

Antero Resources

Well Name: Cox Unit 1H, Cox Unit 2H, Bowen Unit 1H, Bowen Unit 2H, and Standings Unit 1H

Pad Location: TRENT PAD
Doddridge County/Greenbrier and New Milton Districts

GPS Coordinates: Lat 39°12'33.52"/Long 80°37'45.16"

Driving Directions:

From the intersection of interstate 50 and WV 18 S, head south along the 18 for 6.3 miles. Turn left onto Co Route 25/Meathouse Fork for 7.3 miles. Take a left onto Co Route 25/11 for 1.75 miles. Take a left onto Co Route 25/7 for 0.65 miles. Lease road will be on the left.

*DCN.
3/14/13
SDW
3/14/13*

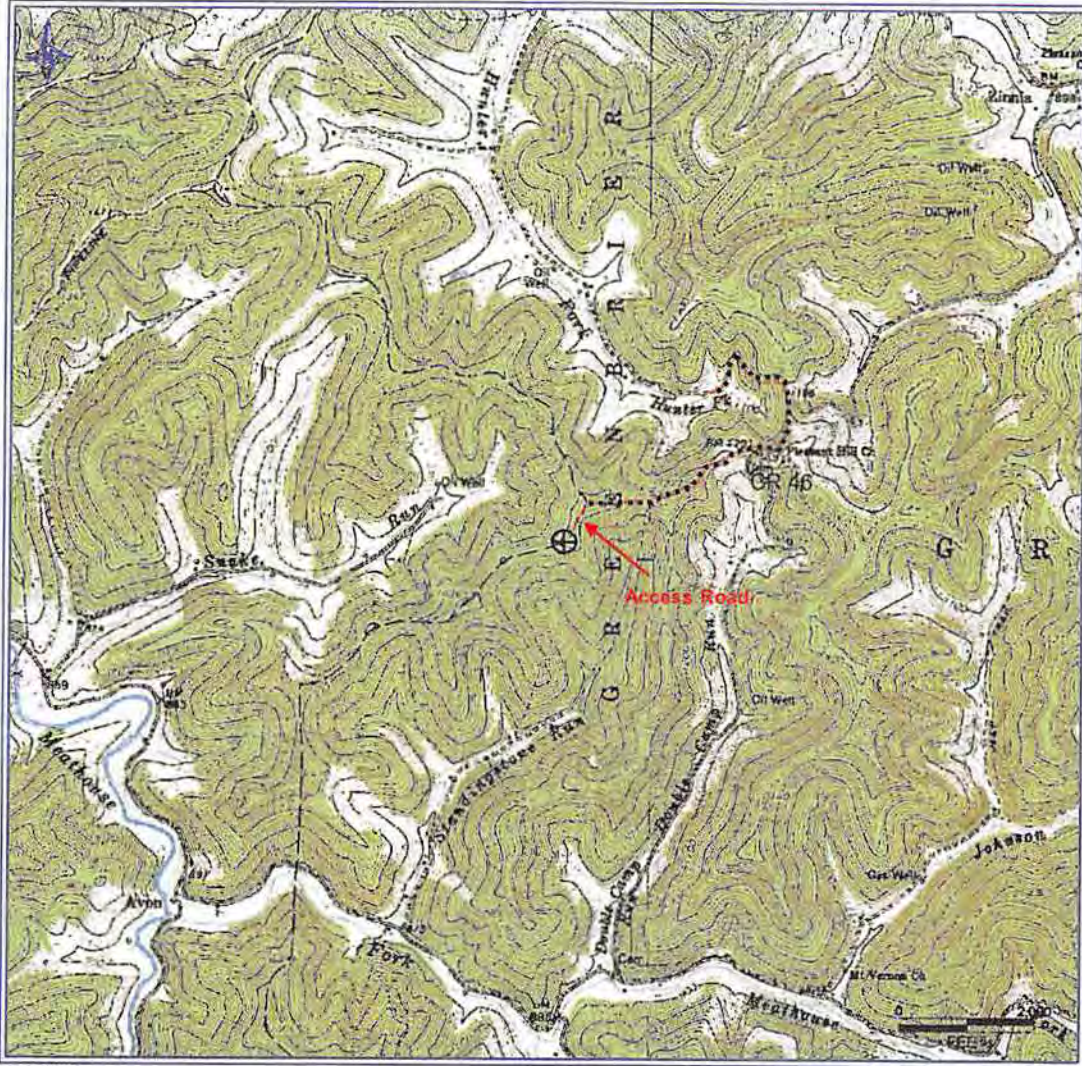
Received

FEB 21 2014

SSP Page 1

Plot partial

4701706468



PCT1A 6/25/2012 4:48:51 PM

DCN
2-20-2014

Antero Resources Corporation
APPALACHIAN BASIN
Baker Unit 1H County Doddridge
0 2,000 4,000 FEET
QUADRANGLE: NEW MILTON & BIG ISAAC WATERSHED: STANDINGS RUN DISTRICT: GREENBRIER DISTRICT:
Date: 9/12/2012

Received

FEB 21 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

03/21/2014

LATITUDE 39°15'00" | -1,217'

LATITUDE 39°15'00"

LONGITUDE 80°37'30"

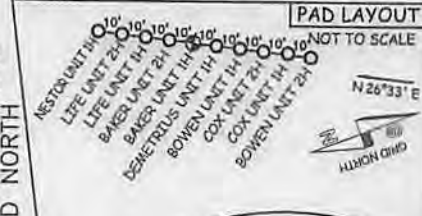
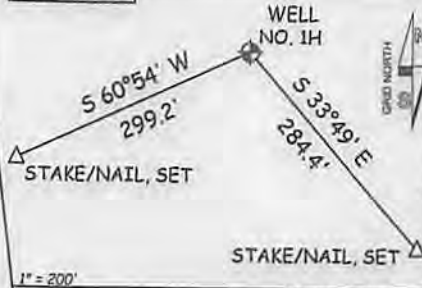
5,560' TO BOTTOM HOLE

14,825'

LONGITUDE 80°37'30"

COUNTY NAME PERMIT

REFERENCES



JOB # 13-123WA
DRAWING # BAKER1HR1
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

LEGEND
- - - Surface Owner Boundary Lines +/-
- - - Interior Surface Tracts +/-
X Existing Fence
⊕ Found monument, as noted

THOMAS SUMMERS P.S. 2109

DATE 02/04/14

OPERATOR'S WELL # BAKER UNIT 1H

API WELL # 47 - 017 - 06468 H6A

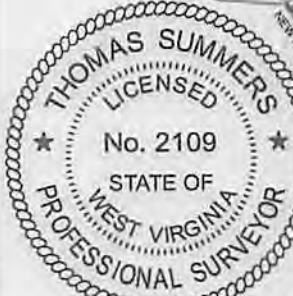
STATE COUNTY PERMIT

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415



NOTE
1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.
2. THE INTERIOR BOUNDARY LINES OF THE DAVID E. GADDIS ET AL TRACTS (TM 6 PARCELS 13, 13.1 & 13.2) SHOWN HEREON IN BOLD ARE BASED ON CURRENT DEEDS OF RECORD ONLY. THE SURFACE OWNER REFUSED ACCESS ONTO HIS PROPERTY TO OBTAIN THE NECESSARY INFORMATION TO VERIFY THE LOCATION OF THE BOUNDARY. THESE LINES ARE SHOWN FOR MAPPING PURPOSES ONLY.

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 260,352ft E: 1,680,006ft
LAT: 39°12'33.47" LON: 80°37'45.46"
BOTTOM HOLE INFORMATION:
N: 269,672ft E: 1,675,695ft
LAT: 39°14'05.05" LON: 80°38'41.72"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 4,340,078m E: 532,021m
BOTTOM HOLE INFORMATION:
N: 4,342,896m E: 530,660m

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1,410' WATERSHED STANDINGSTONE RUN OF MEATHOUSE FORK
QUADRANGLE NEW MILTON 7.5' DISTRICT GREENBRIER COUNTY DODDRIDGE

SURFACE OWNER CLARENCE TRENT, JR. ET AL ACREAGE 155 ACRES +/-
OIL & GAS ROYALTY OWNER ELIZABETH JONES & RICHARD JONES; ED BROOME INC.; SHAYNE WEST; HARRY MEEK, JR.; JOAN E. PRIM ET AL; MARY K. BAKER ET VIR; MIKE ROSS, INC.; BERNADETTE POOLE ET UX

LEASE ACREAGE 155 AC±; 48.75 AC±; 56 AC±; 57 AC±; 64 AC±; 95 AC±; 100 AC±; 106 AC±
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
(SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,700' TVD 18,300' MD

WELL OPERATOR ANTERO RESOURCES CORPORATION DESIGNATED AGENT CT CORPORATION SYSTEM
ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25313

03/21/2014



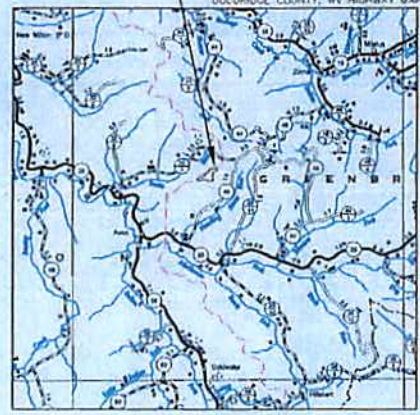
ANTERO RESOURCES TRENT SITE DESIGN & CONSTRUCTION AND EROSION & SEDIMENT CONTROL PLANS

GREENBRIER AND NEW MILTON DISTRICTS,
DODDRIDGE COUNTY, WEST VIRGINIA

OCTOBER 4, 2012

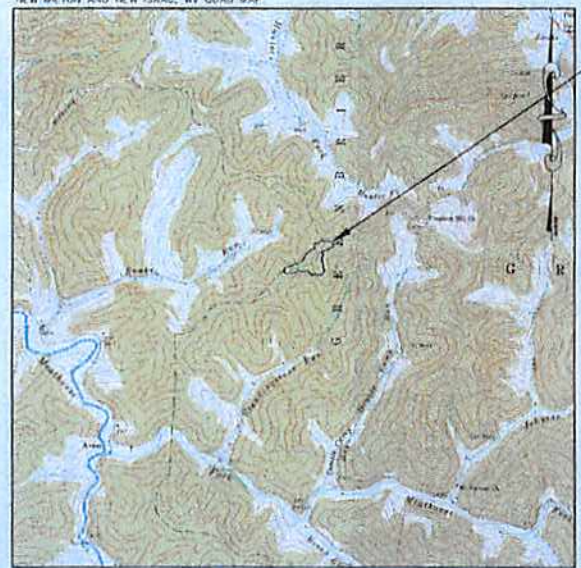
APPROVED
WVDEP OOG
SAY 1/16/13

PROJECT LOCATION



VICINITY MAP
5000 0 5000 10000

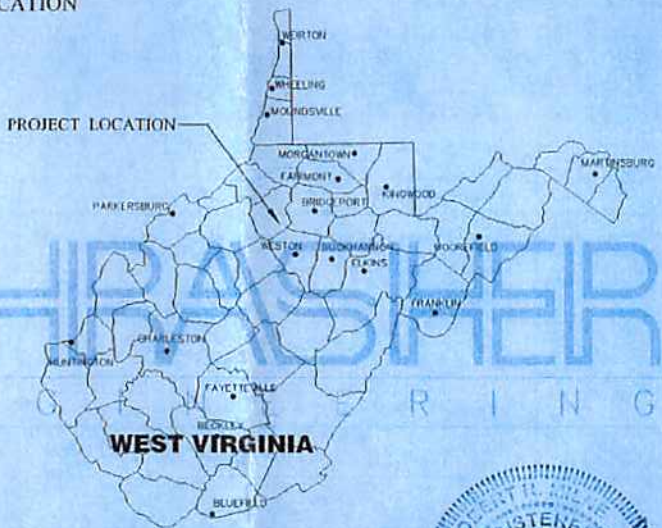
NEW MILTON AND NEW ISAAC, WV QUAD MAP



VICINITY MAP
2000 0 2000 4000

PROJECT LOCATION

PROJECT LOCATION



API#1706160
API#1706161
API#1706167

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: 1649839.2152
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

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	1648571.8243	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, 8, 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 O.A.I., ADDED SUMP DETAIL
3	2, 7, 12-27	EMS	01/16/13	WVDEP OFFICE OF OIL & GAS COMMENTS ADDRESSED

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



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

THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF THRASHER ENGINEERING INC. REPRODUCTION OF THESE DOCUMENTS IN WHOLE OR IN PART, FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION, IS STRICTLY PROHIBITED. COPYRIGHT © 2013 THRASHER ENGINEERING INC.

CAD FILE: K:\3030-215\Antero\3030-215.dwg
 PLOT DATE: 1/16/13 11:45 AM
 PLOT BY: RM
 PLOT SCALE: 1"=1000'
 PLOT SHEET: 235 OF 325