

Commercial/Industrial Floodplain Development Permit

Doddridge County, WV Floodplain Management

This permit has been issued to ANTERO RESOURCES, and is for the approved commercial and/or industrial development project associated with this permit that impacts the FEMA-designated floodplain and/or floodway of Doddridge County, WV, pursuant to the rules and regulations established by all applicable Federal, State and local laws and ordinances, including the Doddridge County Floodplain Ordinance. This permit must be posted at the site of work as to be clearly visible, and must remain posted during entirety of development.

Permit: #14-221 COFOR PAD

Date Approved:06/03/2014

Expires:06/03/2015

Issued to: ANTERO RESOURCES

POC: SHAYE MARSHALL 303-357-6412

Company Address: 1615 WYNKOOP STREET DENVER, CO 80202

Project Address: CENTRAL AND WEST UNION DIST OFF CO RT. 11/8

Firm: 54017C0120C Lat/Long: 80.799552W,M 39.296231N

Purpose of development: ACESS ROAD/WELL PAD

Issued by: Edwin L/Bo" Wriston, Doddridge County FPM (or designee)

Date: 06/03/2014



Antero Resources 1615 Wynkoop Street Denver, CO 80202 Office 303.357.7310 Fax 303.357.7315

May 22, 2014

Doddridge County Commission Attn: Bo Wriston 118 East Court Street, Room 102 West Union, WV 26456

Mr. Wriston:

Per the Doddridge County Ordinance, Antero Resources Corporation (Antero) would like to submit Doddridge County Floodplain determinations for our following multi-well pad locations which are **NOT** located in the floodplain as shown on the enclosed design pages (signed and stamped by a Professional Engineer) and plotted on the WV Flood tool map.

• Cofor Pad #14-221

• Yvonne Pad #14-222

If you have any questions please feel free to contact me at (303) 357-6412.

Sincerely,

Shaye Marshall Permit Representative

Antero Resources Corporation

Enclosures

NA ALMOO 390188888

HMAY 23 PM I. E.

FILED

Not In FIP

DODDRIDGE COUNTY FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

BEGORIOGE COUNTY, WY

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.

ī	DATE	5/20	/14	•		
SECTION 2: PROPOSE DEV	/FI OPMI	FNT (TO RE	COMPLE	TED BY AD	DI ICANT)	-
IF THE APPLICANT I						ANI

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:_	Kevin	KILSTram		
ADDRESS: 1615 Wynkoo	p Street, Denver	, CO 80202		•
TELEPHONE NUMBER:	Contact Shaye	Marshall: 303-357-64	12	-

BUILDER'S NAME: Antero Resources Corporation
ADDRESS: 1615 Wynkoop Street, Denver, CO 80202
TELEPHONE NUMBER: (303) 357-7310
ENGINEER'S NAME: Navitus Engineering Inc.
ADDRESS:_151 Windy Hill Lane, Winchester, Virginia 22602
TELEHONE NUMBER: 888-662-4185
PROJECT LOCATION:
NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Coastal Forest Resources Co
ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)_PO Box 709, Buckhannon, WV 26201
DISTRICT: Central and West Union
DATE/FROM WHOM PROPERTY PURCHASED: N/A
LAND BOOK DESCRIPTION:
DEED BOOK REFERENCE: Deed Book 260 Pg 135
TAX MAP REFERENCE: Tax Map 11, Parcel 12
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

Χ	New Structu	ıre			0	Residential (1 – 4 Family)
[]	Addition				Ö	Residential (more than 4 Family)
[]	Alteration					Non-residential (floodproofing)
[]	Relocation				Ö	Combined Use (res. & com.)
[]	Demolition				Ö	Replacement
[]	Manufactui	red/Moi	bil Home		••	.,
В.	OTHER DEV	/EOPLI	MENT ACTIV	VITIES:		
[]	Fill		Mining	X	Drilling	g [] Pipelining
[]	Grading				_	
[]	Excavation (except	for STRUCTU	RAL DEVE	LOPMEN	T checked above)
[]						nannel modification)
[]			ents (includir			
	Road, Street	, or Brid	ige Construct	ion	·	. •
	Subdivision	(includii	ng new expar	nsion)	•	`
[]			Sewer Syster			
[]	Other (pleas					
						

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 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 ADDRESS:_____ ADDRESS:____ NAME:____ NAME:_____ ADDRESS:_____ ADDRESS: **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: PERSONAL SERVICE OF PROCESS BY THE DODDRIDGE COUNTY SHERIFF AT THE (A) RATES PERMITTED BY LAW FOR SUCH SERVICE. (B) SERVICE BY CERTIFIED MAIL RETURN RECEIPT REQUESTED.

E.

(C)

PUBLICATION.

	REVIEW OF MATERIALS AND/OR TESTIMONY R	LOODPLAIN APP	PEALS BOARD FOR
	GRANTING OR DENYING THE APPLICANT'S FLO	ODPLAIN PERMI	TELEMENT OF
NAM	E(PRINT): lenflation		
SIGN	ATURE: KUSTOM	DATE:	1/21/14
After Admi	completing SECTION 2, APPLICANT should submit form t nistrator/Manager or his/her representative for review.	o Floodplain	``
SECT	ION 3: FLOODPLAIN DETERMINATION (to be co	mpleted by Flo	oodnlain
<u>Adm</u>	inistrator/Manager or his/her representative)		<u>ocapiani</u>
THE	PROPOSED DEVELOPMENT:		
THE P	ROPOSED DEVELOPMENT IS LOCATED ON:		
FIRM	Panel:		
	•		
[] reviev	Is <u>NOT</u> located in a Specific Flood Hazard Area (Notify a v is complete and NO FLOOPLAIN DEVELOPMENT PERM	pplicant that the	application
Π.	Is located in Special Flood Hazard Area.		<i>, ;</i>
	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.		·

COURT REPORTING SERVICES AT ANY HEARINGS REQUESTED BY THE APPLICANT.

CONSULTANTS AND/OR HEARING EXPERTS UTILIZED BY DODDRIDGE COUNTY

(D)

(E)

	SIGNED DATE
	ON 4: ADDITIONAL INFORMATION REQUIRED (To be completed by plain Administrator/Manager or his/her representative)
The approces	plicant must submit the documents checked below before the application can be sed.
n .	A plan showing the location of all existing structures, water bodies, adjacent roads, lot dimensions and proposed development.
0	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).
0	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.

[]

[]

[]

[]

Certification from a registered engineer that the proposed activity in a regulatory

data and calculations supporting this finding must also be submitted.

Federal Emergency Management Agency (FEMA).

Manufactured homes located in a floodplain area must have a West Virginia

floodway will not result in any increase in the height of the 100-year flood. A copy of all

Contractor's License and a Manufactured Home Installation License as required by the

ON 5. DED) (14 m.		
Administr	MIT DETERMINATION (To be	e completed by Floodpla	<u>ain</u>
Administr	ator/Manager or his/her re	<u>oresentative)</u>	
County on N	f the Floodplain Ordinance adopt May 21, 2013. The permit is issue f this permit.	ed by the County Commission d subject to the conditions a	on of Doc ettached
SIGNED		DATE	
with the pro	plain Administrator/Manager four visions of the Doddridge County the applicant may complete an a	Floodplain Ordinance and/o	conform
		•	
APPEALS:	Appealed to the County Comm Hearing Date:		? [] Yes {

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 appli	e: Any work performed prior to submittal of the above information is at risk of the icant.
SEC	TION 7: COMPLIANCE ACTION (To be completed by the Floodplain
Adn	ninistrator/Manager or his/her representative).
as ap	Floodplain Administrator/Manager or his/her representative will complete this section plicable based on inspection of the project to ensure compliance with the Doddridge ty Floodplain Ordinance.
Ir	NSPECTIONS:
	DATE:BY: DEFICIENCIES ? Y/N
C	OMMENTS

SECT Adm	ION 8: CERTIFICATE OF COMPLIANCE (To be completed by Floodplain inistrator/Manager or his/her representative).
Certifi	icate of Compliance issued: DATE: BY:

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

	PERMIT NUMBER: PERMIT DATE:	
PURP		
CONSTRUCTION LOCATION	ON:	
OWNER'S ADDRESS:		
THE FOLLOWING MUST B	E COMPLETED BY THE FLOODPLAIN	:
ADMINISTRATOR/MANA		,
COMPLIANCE IS HE	REBY CERTIFIED WITH THE REQUIREMEN	IT OF THE
FLOODPLAIN ORDINANCE DODDRIDGE COUNTY ON	ADOPTED BY THE COUNTY COMMISSIO	N OF
SIGNED	DATE	



LOCATION COORDINATES

ACCESS ROAD ENTRANCE LATITUDE: 39.296222 LONGITUDE: -80.799541 (NAD 83) N 4349668.65 E 517285.49 (UTM ZONE 17 METERS)

CENTROID OF WELL PAD
LATITUDE: 39.299423 LONGITUDE: -80.800056 (NAD 83) N 4350023.78 E 517240.30 (UTM ZONE 17 METERS)

THE ACCESS ROAD(S) AND WELL PAD ARE BEING CONSTRUCTED TO AID IN THE DEVELOPMENT OF INDIVIDUAL MARCELLUS SHALE GAS WELLS.

FLOODPLAIN NOTE

THE PROPOSED SITE IS LOCATED IN FLOODZONE "X" PER FEMA FLOOD MAPS #54017C0115C & #54017C0120C

MISS UTILITY STATEMENT
ANTERO RESOURCES CORPORATION WILL NOTIFY MISS UTILITY OF WEST VIRGINIA FOR THE LOCATING
OF UTILITIES PRIOR TO THIS PROJECT DESIGN: TICKET #1329179341.
IN ADDITION, MISS UTILITY WILL BE CONTACTED BY THE CONTRACTOR PRIOR TO THE START OF
CONSTRUCTION FOR THIS PROJECT.

ENTRANCE PERMIT

ANTERO RESOURCES CORPORATION WILL OBTAIN AN ENCROACHMENT PERMIT (FORM MM-109) FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

ENVIRONMENTAL NOTES
WETLAND DELINEATIONS WERE PERFORMED BETWEEN OCTOBER, 2013 & FEBRUARY, 2014 BY ALLSTAR ECOLOGY, LLC TO REVIEW THE SITE FOR WATERS AND WETLANDS THAT ARE MOST LIKELY WITHIN THE REGULATORY PURVIEW OF THE U.S. ARMY CORPS OF ENGINEERS (USACE) AND/OR THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (WVDEP). THE FEBRUARY 06, 2013 ROCK RUN & COPOR JURISDICTIONAL STREAMS & WETLANDS MAPS WERE PREPARED BY ALLSTAR ECOLOGY, LLC AND SUMMARIZE THE RESULTS OF THE FIELD DELINEATION. THE MAPS DO NOT, IN ANY WAY, REPRESENT A JURISDICTIONAL DETERMINATION OF THE LANDWARD LIMITS OF WATERS AND WETLANDS WHICH MAY BE REGULATED BY THE USACE OR THE WYDEP. IT IS STRONGLY RECOMMENDED THAT THE AFOREMENTIONED AGENCIES BE CONSULTED IN AN EFFORT TO GAIN WRITTEN CONFIRMATION OF THE DELINEATION SHOWN ON THIS EXHIBIT PRIOR TO ENGAGING CONSTRUCTION ON THE PROPERTY DESCRIBED HEREIN. THE DEVELOPER SHALL OBTAIN THE APPROPRIATE PERMITS FROM THE FEDERAL AND/OR STATE REGULATORY AGENCIES PRIOR TO ANY PROPOSED IMPACTS TO WATERS OF THE U.S., INCLUDING WETLAND FILLS AND STREAM CROSSINGS

GEOTECHNICAL NOTE

A GEOTECHNICAL INVESTIGATION OF THE PROPOSED SITE WAS PERFORMED BY PENNSYLVANIA SOIL & ROCK, INC. ON JANUARY 15 THROUGH FEBRUARY 5, 2014. THE REPORT PREPARED BY PENNSYLVANIA SOIL & ROCK, INC. DATED FEBRUARY 17, 2014, REFLECTS THE RESULTS OF THE SUBSURFACE INVESTIGATION. THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS REPORT WAS USED IN THE PREPARATION OF THESE PLANS. PLEASE REFER TO THE CEOTECHNICAL INVESTIGATION REPORT BY PENNSYLVANIA SOIL & ROCK, INC. FOR ADDITIONAL INFORMATION, AS NEEDED.

PROJECT CONTACTS

OPERATOR:
ANTERO RESOURCES CORPORATION 535 WHITE OAKS BLVD. BRIDGEPORT, WV 26330 PHONE: (304) 842-4100 FAX: (304) 842-4112

ELI WAGONER - ENVIRONMENTAL ENGINEER OFFICE: (304) 842-4068 CELL: (304) 476-9770

JOHN KAWCAK - OPERATIONS SUPERINTENDENT CELL: (817) 368-1553

AARON KUNZLER - CONSTRUCTION SUPERVISOR CELL: (405) 227-8344

ANTHONY SMITH - FIELD ENGINEER

OFFICE: (304) 842-4208 CELL: (304) 673-6196

MARK JOHNSON - SURVEYING COORDINATOR OFFICE: (304) 842-4162 CELL: (304) 719-6449

DAVE CAVA - LAND AGENT CELL: (304) 841-5814

ENGINEER/SURVEYOR:
NAVITUS ENGINEERING, INC.
CYRUS S. KUMP, PE - PROJECT MANAGER/ENGINEER
OFFICE: (888) 662-4185 CELL: (540) 686-6747

ENVIRONMENTAL:
ALLSTAR ECOLOGY, LLC
RYAN L. WARD - ENVIRONMENTAL SCIENTIST

OFFICE: (866) 213-2666 CELL: (304) 692-7477

- RESTRICTIONS NOTES:

 1. THERE ARE NO PERENNIAL STREAMS, WETLANDS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE WELL PAD AND LOD.
- 2. THERE ARE NO NATURALLY PRODUCING TROUT STREAMS WITHIN 300 FEET OF THE WELL PAD AND
- 3. THERE ARE NO GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY FACILITIES WITHIN 1000 FEET
- 4. THERE ARE NO APPARENT EXISTING WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF THE WELL(S) BEING DRILLED. THERE ARE NO OCCUPIED DWELLING STRUCTURES WITHIN 625 FEET OF THE CENTER OF THE
- 6. THERE ARE NO AGRICULTURAL BUILDINGS LARGER THAN 2,500 SQUARE FEET WITHIN 625 FEET OF THE CENTER OF THE WELL PAD

COFOR WELL PAD SITE DESIGN & CONSTRUCTION PLAN, **EROSION & SEDIMENT CONTROL PLANS**

CENTRAL & WEST UNION DISTRICTS, DODDRIDGE COUNTY, WEST VIRGINIA NUTTER FORK - MIDDLE ISLAND CREEK & ARNOLD CREEK WATERSHEDS

USGS 7.5 WEST UNION QUAD MAP





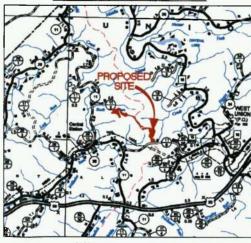
WEST VIRGINIA COUNTY MAP



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

SITE PLAN/CONSTRUCTION STAGING NOTE
THE COFOR WELL PAD AS SHOWN IN THESE PLANS IS ALSO SHOWN AS
STAGING AREA "B" IN THE ROCK RUN WELL PAD SITE PLAN. REFER TO THE ROCK RUN WELL PAD SITE PLAN (STAGING AREA 'B') FOR ALL
CONSTRUCTION QUANTITIES ASSOCIATED WITH THE CONSTRUCTION OF THE
COFOR WELL PAD SITE. THE PROPOSED LIMITS OF DISTURBANCE ACREAGE,
AS SHOWN IN THIS PLAN IS REPETITIVE TO THE ACREAGE PREVIOUSLY
SHOWN IN THE ROCK RUN WELL PAD SITE PLAN.

WVDOH COUNTY ROAD MAP





MISS Utility of West Virginia 1-800-245-4848 West Virginia State Law (Section XIV: Chapter 24-C) Requires that you call two business days before you dig in the state of West Virginia. IT'S THE LAW!!



SHEET INDEX

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- 2 CONSTRUCTION AND E&S CONTROL NOTES
- 3 EXISTING CONDITIONS
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- 6 ACCESS ROAD & WELL PAD PLAN
- 7 ACCESS ROAD PROFILES
- 8-10 ACCESS ROAD SECTIONS
- 11-12 WELL PAD SECTIONS
- 13 STREAM CROSSING DETAILS
- 14-19 CONSTRUCTION DETAILS
- 20 ACCESS ROAD & STAGING AREA "A" RECLAMATION PLAN
- 21 ACCESS ROAD & WELL PAD RECLAMATION PLAN
- 22 FIRM EXHIBIT

ROCK RUN EPHEN	MERAL STRE	AN IMPACT (LINE	AR FEET)	
Stream and Impact Cause	Fill (LF)	Culvert (LF)	Inlets/Outlets Structures (LF)	Total Impact (LF)
Ephemeral Stream 04 (Access Road "A")	2	N/A	N/A	2
Ephemeral Stream 05 (Access Road "A")	0	52	14	66

Total Site	
Well Pad	3.70
Total Affected Area	3.70
Total Wooded Acres Disturbed	3.70
Impacts to Coastal Forest Resources Co	. TM 11-12
Well Pad	3.70
Total Affected Area	3.70
Total Wooded Acres Disturbed	3.70

Proposed Well Name	WW North	W North		NAD 83 Lat & Long
		NAD 83	Zone 17	
Outback	N 293842.73	N 293877.91	N 4350037.13	LAT 39-17-58.3563
Unit 1H	E 1632026.37	E 1600585.17	E 517233.64	LONG -80-48-00.4783
Outback	N 293832.93	N 293868.12	N 4350034 18	LAT 39-17-58.2598
Unit 2H	E 1632028,39	E 1600587.19	E 517234.31	LONG -80-48-00.4508
Mortin	N 293823.14	N 293858.33	N 4350031.19	LAT 39-17-58.1633
Unit 1H	E 1632030.41	E 1600589.21	E 517234.97	LONG 80-48-00.4233
Mortin	N 293813.35	N 293848.53	N 4350028 21	LAT 39-17-58.0668
Unit 2H	E 1632032.44	E 1600591.24	E 517235.64	LONG -80-48-00.3957
Nova	N 293803.55	N 293838.74	N 4350025.24	LAT 39-17-57.9703
Unit 1H	E 1632034 46	E 1600593.26	E 517236.31	LONG -80-48-00.3682
Nova	N 293793.76	N 293828.95	N 4350022 27	LAT 39-17-57.8738
Unit 2H	E 1632036.48	E 1600595.28	E 517236.97	LONG -80-48-00.3407
Grape	N 293783.97	N 293819.15	N 4350019.29	LAT 39-17-57.7773
Unit 1H	E 1632038.51	E 1600597.30	E 517237.64	LONG -80-48-00.3131
Grape	N 293774.17	N 293809.36	N 4350016.32	LAT 39-17-57.6809
Unit 2H	E 1632040.53	E 1600599.33	E 517238.30	LONG -80-48-00.2856
Rainer	N 293764.38	N 293799.57	N 4350013.35	LAT 39-17-57 5843
Unit 1H	E 1632042.55	E 1600601.35	E 517238.97	LONG -80-48-00 2580
Rainer	N 293754.59	N 293789.77	N 4350010.37	LAT 39-17-57.4879
Unit 2H	E 1632044.58	E 1600603.37	E 517239.64	LONG -80-48-00.2305
Well Pad Elevat	1,189.0			

S ERIK ENGINE

REVISION							
DATE							



THIS DOCUMENT
WAS PREPARED FOR:
ANTERO RESOURCES
CORPORATION

COFOR WELL PAD

COVER



DATE: 03/14/2014 SCALE: AS SHOWN

SHEET 1 OF 22