

#### west virginia department of environmental protection

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

Jim Justice, Governor Austin Caperton, Cabinet Secretary www.dep.wv.gov

### PERMIT MODIFICATION APPROVAL Horizontal 6A / Horizontal 6A Well - 1

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET

DENVER, CO 80202

Re:

Permit Modification Approval for DOAK UNIT 2H

47-017-06767-00-00

Change point of entry, horizontal leg length, TMD, and TVD.

#### ANTERO RESOURCES CORPORATION

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926-0450.

James A. Martin

Operator's Well Number: DOAK UNIT 2H Farm Name: ALVADORE MCCLOY JR ET UX U.S. WELL NUMBER: 47-017-06767-00-00 Horizontal 6A / Horizontal 6A Well - 1

Date Issued: 8/4/2017

Promoting a healthy environment.



July 17, 2017

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

West Virginia Department of Environmental Protection Office of Oil and Gas Attn: Mr. Wade Stansberry 601 57<sup>th</sup> Street Charleston, WV 25304

Mr. Stansberry:

Antero Resources Corporation (Antero) would like to submit the following permit modification for one approved well on the Alvadore Pad. We are requesting to change the point of entry which will change the horizontal leg length, Total Measured Depth and Total Vertical Depth of the Doak Unit 2H (API# 47-017-06767).

Attached you will find the following documents:

- ➤ REVISED Form WW-6B, which shows the revised Horizontal Leg Length, Measured Depth and Production Casing/Cement Program
- > REVISED Form WW-6A1, which shows the new lease we will be drilling into
- > REVISED Mylar Plats, which shows the new wellbore path

If you have any questions please feel free to contact me at (303) 357-6759.

Thank you in advance for your consideration.

Sincerely,

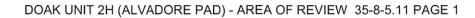
Samantha Klaas
Permitting Agent

Antero Resources Corporation

Enclosures

Office of Office Gas

WV Department of Environmental Protection

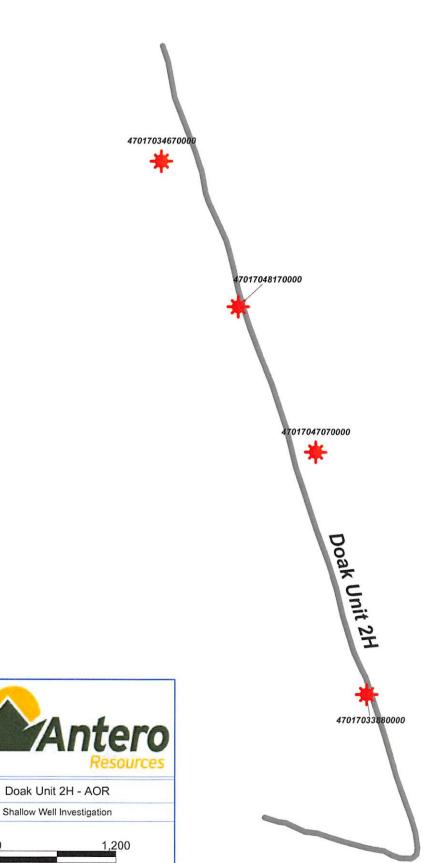




FEET

WELL SYMBOLS
Gas Well

July 17, 2017



Office of Oil and Gas

Office of Oil and Gas

NV Departmental Protection

Environmental Protection

08/04/2017

### DOAK UNIT 2H (ALVADORE PAD) - AREA OF REVIEW 35-8-5.11 PAGE 2

## PERMIT MODIFICATION (API# 47-017-06767)

UWI (APINum)	Well Name	Well Number	Operator	Historical Operator	TD
47017034670000	RASEY ROBERT ET AL	JK-1185	ALLIANCE PETR CORP	J & J ENTERPRISES	5992
47017033880000	WILLIAMSON F G ETAL	JK-1097	ALLIANCE PETR CORP	J & J ENTERPRISES	5379
47017048170000	BOOTHE	1	KEY OIL COMPANY	KEY OIL COMPANY	5392
47017047070000	DOAK	1	KEY OIL COMPANY	KEY OIL COMPANY	5462

ELEV_GR	TD (SSTVD)	Approx distance to well	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not perf'd
1134	-4858	361	4584-5922	Riley, Benson, Alexander	Big Injun, Weir, Balltown, Bradford
880	-4499	46	4341-5324	Riley, Benson, Alexander	Big Injun, Weir, Balltown, Bradford
1072	-4320	48	4150-5332	Balltown, Riley, Benson	Big Injun, Weir, Bradford, Alexander
1160	-4302	233	3943-5324	Riley, Benson, Alexander	Big Injun, Weir, Balltown, Bradford

Office of Oil and Gas
FAECEINED DOIL TO BE CHICAGO TO THE PROJECTION OF THE PROJECTI

17-06767 MOD

WW-6B (04/15) API NO. 47- 017 
OPERATOR WELL NO. Doak Unit 2H

Well Pad Name: Existing Alvadore Pad

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

1) Well Operator:	Antero Resource	s Corpora	494488557	017-Doddrig	Central	Pennsboro 7.5'
,			Operator ID	County	District	Quadrangle
2) Operator's Well	Number: Doak Un	it 2H	Well Pad	Name: Existing	ng Alvador	re Pad
3) Farm Name/Sur	face Owner: McCloy	, Alvadore, Jr.	, et ux Public Road	d Access: CR	50/31	
4) Elevation, curre	nt ground: 1057'	Ele	evation, proposed p	oost-construction	on: 1057'	
5) Well Type (a)	Gas X	Oil	Unde	rground Storag	ge	
Ot	her					
(b)	If Gas Shallow	X	Deep			
	Horizonta	1 X				
6) Existing Pad: Y	·				4.00	
-	t Formation(s), Dept 6700' TVD, Anticipa		-	_		
			20 1001, 7100010			
	Vertical Depth: 67	Marcellus				
9) Formation at To						
10) Proposed Total	Measured Depth:	15192' MI	<u>J</u>			
11) Proposed Horiz	zontal Leg Length:	8255'				
12) Approximate F	Fresh Water Strata D	epths:	332'			
13) Method to Det	ermine Fresh Water	Depths:	ludkins Unit 2H (	API #47-017-0	6436) on	same pad.
14) Approximate S	Saltwater Depths: 1	1571'				
15) Approximate C	Coal Seam Depths:	None Iden	tified			
16) Approximate I	Depth to Possible Vo	oid (coal mi	ne, karst, other): 1	None Anticipat		
A CONTRACT OF THE PARTY OF THE	well location conta or adjacent to an act		ns Yes	No	X	RECEIVED Gas
(a) If Yes, provid	e Mine Info: Nam	ie:			,•	CE OF OIL
( )	Dept	 th:			Ou	IL I B cont
	Sean					202rtmerot
	Own	-				My Deeligi.
		-				WV Department of Environmental Prot

API NO. 47-017 -\_\_

OPERATOR WELL NO. Doak Unit 2H

Well Pad Name: Existing Alvadore Pad

## 18)

## **CASING AND TUBING PROGRAM**

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	H-40	94#	40'	40'	CTS, 38 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	390' *see #19	390' *see #19	CTS, 542 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	2475'	2475'	CTS, 1008 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P-110	23#	15192'	15192'	CTS, 3778 Cu. Ft
Tubing	2-3/8"	New	N-80	4.7#		7100'	
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	30"	24"	0.438"	1530	50	Class A	~1.18
Fresh Water	13-3/8"	17-1/2"	0.38"	2730	1000	Class A	~1.18
Coal	9-5/8"	12-1/4"	0.352"	3520	1500	Class A	~1.18
Intermediate							
Production	5-1/2"	8-3/4" & 8-1/2"	0.415"	12,630	2500	Lead-H/POZ & Tail - H	H/POZ~1.44 & H~1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

		<b>PACKERS</b>	CEIVED Gas
Kind:	N/A		CHICE OF OIL SUO
Sizes:	N/A		JUL I & tment of
Depths Set:	N/A		Environmental Protection
			Environ

WW-6B (10/14) PERMIT MODIFICATION API# 47-017-06767

API NO. 47- 017

OPERATOR WELL NO. Doak Unit 2H

Well Pad Name: Existing Alvadore Pad

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.

\*Antero will be air drilling the fresh water string which makes it difficult to determine when fresh water is encountered. Therefore, we have built in a buffer for the casing setting depth which helps to ensure that all fresh water zones are covered.

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."

Anticipated Max Pressure - 9300 lbs Anticipated Max Rate - 80 bpm

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 33.17 Existing Acres (Shared with Dotson Holland Pad)
- 22) Area to be disturbed for well pad only, less access road (acres): 4.35 Existing Acres

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

Office of Oil and Gas 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.

Environmental Protection

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.

Operator's Well Number

Doak Unit 2H

# INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

	Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
/	Brenda J. Miller Lease			
· /.	Brenda J. Miller	Antero Resources Appalachian Corporation	1/8	0277/0186
	Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	Exhibit 1
/	Gail Mason Lease			
	Gail Mason	Antero Resources Appalachian Corporation	1/8+	0289/0410
	Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	Exhibit 1
,	Robert Smith et al Lease			
**	Robert Smith et al	Hope Natural Gas Company	Flat Rate	0030/0161
	Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	DB 0143/0345
	Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	0135/0583
	Consolidated Gas Transmission Corporation	CNG Development Company	Assignment	0139/0041
	CNG Development Company	CNG Producing Company	Merger	Exhibit 2
	CNG Producing Company	Dominion Exploration & Production Company, Inc	Name Change	AOI 0058/0366
	Dominion Exploration & Production Company, Inc	Consol Gas Company	Name Change	DB 0286/0144
	Consol Gas Company	CNX Gas Company, LLC	Merger	DB 0292/0469
	CNX Gas Company, LLC	Antero Resources Appalachian Corporation	Notice of Agreement	0300/0442
	Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	Exhibit 1
1	G.F. Williamson et ux Lease			
	G.F. Williamson et ux	J & J Enterprises, Inc.	1/8	0136/0266
	J & J Enterprises, Inc.	Eastern American Energy Corporation	Merger	DB 0211/0437
	Eastern American Energy Corporation	Enervest East Limited Partnership	Assignment	0193/0509
	Enervest East Limited Partnership	The Houston Exploration Company	Assignment	0196/0228
	The Houston Exploration Company	Seneca-Upshur Petroleum, Inc.	Assignment	0199/0024
	Seneca- Upshur Petroleum, Inc.	Antero Resources Appalachian Corporation	Memorandum of	0287/0321
	Antero Resources Appalachian Corporation	Antero Resources Corporation	Agreement Name Change	ED Gas Exhibit 1
		0.100 A000 A000 A000 A000 A000 A000 A000	CEIV	and
/	WVSRA Lease		FIL OIL	5.
	West Virginia State Rail Authority	Antero Resources Appalachian Corporation	1/8+	0253/0409
	Antero Resources Appalachian Corporation	Antero Resources Corporation	Assignment Memorandum of Agreement Name Change  1/8+ Name Change  1/8  Assignment Assignment Assignment Assignment Assignment Assignment	Exhibit 1
1	Ezra J. Garner Lease		700	artmen otection
	Ezra J. Garner	Donald E. Lowe	1/8	3078/0006
	Donald E. Lowe	Palmer Hill	Assignment Mil	0088/0048
	Palmer Hill	W. Leslie Rogers, Sr.	Assignment :VOY	0091/0062
	W. Leslie Rogers, Sr.	Mary Elizabeth Rich & William Rogers	Assignment CNVIII	Recited in 0139/0585
	Mary Elizabeth Rich Estate & William Rogers	W. Kevin Snider & Ritchie Petroleum Corporation	Assignment	0178/0499
	W. Kevin Snider & Ritchie Petroleum Corporation	Antero Resources Appalachian Corporation	Assignment	0271/0536
	Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	6271/6336 Exhibit 1
	Amero nesources Appaiacilian corporation	Antero Resources corporation	Maine Change	EXHIDIC

<sup>\*</sup>Partial Assignments to Antero Resources Corporation include 100% rights to extract, produce and market the oil and gas from the Marcellus and any other formations completed with this well.

#### PERMIT MODIFICATION API# 47-017-06767

Operator's Well Number

Doak Unit 2H

# INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
Robert Doak et al Lease			
Robert W. Doak et al	Prior Oil Company	1/8	0087/0286
Prior Oil Company	L.C. Young	Assignment	0088/0293
L.C. Young	W. Leslie Rogers	Assignment	0090/0135
W. Leslie Rogers, Sr. Estate	Mary Elizabeth Rich & William Rogers	Assignment	Recited in 0139/0585
Mary Elizabeth Rich Estate & William Rogers	W. Kevin Snider & Ritchie Petroleum Corporation	Assignment	0185/0661
W. Kevin Snider & Ritchie Petroleum Corporation	Antero Resources Appalachian Corporation	*Partial Assignment	0276/0526
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	Exhibit 1
William E. Doak Lease			
Williams E. Doak et al	C. E. Young	1/8	0069/0339
C.E. Young	W. Leslie Rogers	Assignment	0090/0135
W. Leslie Rogers	Mary Elizabeth Rich	Will	0127/0524
Mary Elizabeth Rich	D. Leslie Rich	Will	0178/0499
D. Leslie Rich	W. Kevin Snyder & Ritchie Petroleum Corp.	Assignment	0185/0661
W/ Kevin Snyder & Ritchie Petroleum Corp.	Key Oil Company	Assignment	0187/0059
Key Oil Company	Antero Resources Appalachian Corporation	*Partial Assignment	0276/0526
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	Exhibit 1
Delores Fletcher Lease			
Delores Fletcher	Antero Resources Appalachian Corporation	1/8+	0290/04469
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	Exhibit 1
Frederick D. Boothe et ux Lease			
Frederick D. Boothe et ux	Key Oil Company	1/8	0195/0276
Key Oil Company	Antero Resources Appalachian Corporation	Assignment	0276/0526
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	Exhibit 1
Freddie James et ux Lease			Office of Oil and Gas  Office of Oil and Gas  NV Dapartment of  Environmental Protect
Freddie James et ux	Antero Resources Corporation	1/8+	4379/0564
Tredule James et ux	Antero Resources corporation	2/0.	-WEB, GAS
			SECE! and
			File OII
			100° C
			Office " 18 " of
			Mr. Menia
			Drote,
			"I Dap stall
			M. wwei.
			wikow.
			Ella
*Partial Assignments to Antero Resources	Corporation include 100% rights to extract, proc		

\*Partial Assignments to Antero Resources Corporation include 100% rights to extract, produce and market the oil and gas from the Marcellus and any other formations completed with this well.

WW-6A1 (5/13)

Operator's Well No.	Doak Unit 2H

### INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that -

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

•	- ·	
6366	Name	Or
Lease	ranic	UI

Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
/ Harry D. Williamson et al Lea	se			
н	arry D. Williamson et al	C.E. Young & L.C. Young	1/8	0069/0347
C	.E. Young	L.C. Young	Assignment	0070/0076
L.	C. Young	W. Leslie Rogers	Assignment	0090/0135
V	/. Leslie Rogers	J & J Enterprises	Assignment	0139/0570
J	& J Enterprises	Eastern American Energy Corp.	Assignment	0159/0139
E	astern American Energy Corp.	Energy Corporation of America	Assignment	0240/0498
E	nergy Corporation of America	Antero Resources Appalchian Corp.	Assignment	0272/0307
A	ntero Resources Appalachian Corp.	<b>Antero Resources Corporation</b>	Name Change	Exhibit 1

<sup>\*</sup>Partial Assignments to Antero Resources Corporation include 100% rights to extract, produce and market the oil and gas from the Marcellus and any other formations completed with this well.

#### Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service

Office of Oil and Gas The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or partial Protest nullifies the need for other permits/approvals that may be necessary and further affirms that all the permits/approvals should be acquired from the appropriate. nullifies the need for other permits/approvals that may be necessary and further affirms that all needed from the appropriate authority before the affected activity is initially

	Antero Resources Corporation
By:	Robert S. Tucker
Its:	Vice President of Geology

Page 1 of

90

# FORM WW-6A1 EXHIBIT 1

FILED

Natalic E. Tennant Secretary of State 1900 Kanawha Bivd E Bldg 1, Suite 157-K Charleston, WV 25305

FILE ONE ORIGINAL (Two if you want a filed stamped copy returned to you) FEE: 825:00



Penney Barker, Manager
IN THE OFFICE OF Corporations Division
SECRETARY OF STATE Tel: (304)558-8000
Fax: (304)558-8381

Website: www.wvsos.com
E-mail: business@wvsos.com

APPLICATION FOR AMENDED CERTIFICATE OF AUTHORITY

Office Hours: Monday - Friday 8:30 a.m. - 5:00 p.m. ET

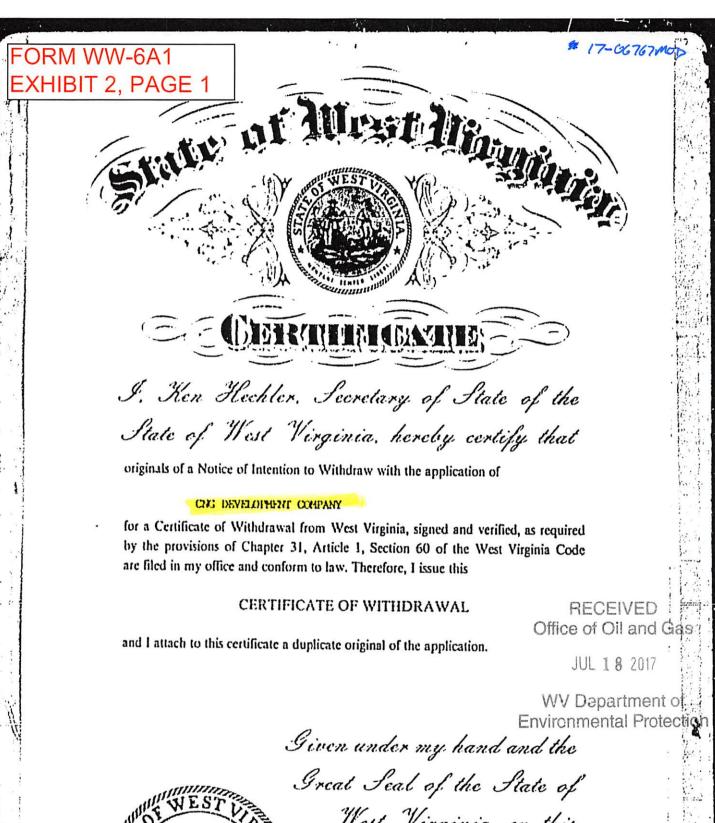
\*\*\*\* In accordance with the provisions of the West Virginia Code, the undersigned corporation hereby \*\*\*\* applies for an Amended Certificate of Authority and submits the following statement: 1. Name under which the corporation was Antero Resources Appalachian Corporation authorized to transact business in WV: 2. Date Certificate of Authority was 6/25/2008 issued in West Virginia: Antero Resources Corporation 3. Corporate name has been changed to: (Attach one Certified Copy of Name Change as filed in home State of incorporation.) Antero Resources Corporation 4. Name the corporation elects to use in WV: (due to home state name not being available) 5. Other amendments: (attach additional pages if necessary Office of Oil and Ga 6. Name and phone number of contact person. (This is optional, however, if there is a proplen with the filing, listing a contact person and phone number may avoid having to return or reject the onmental Protection document.) Alwn A. Schopp (303) 357-7310 Contact Name Phone Number 7. Signature information (See below \*Important Legal Notice Regarding Signature): Title/Capacity: Authorized Person Print Name of Signer: Alayn A. Schop Date: June 10, 2013 Signature: \*Important Legal Notice Regarifing Signaturg: Per West Virginia Code 5311)-1-129. Penalty for signing false document. Any person who signs a document he or she knows is false in any material respect and knows that the document is to be delivered to the secretary of state for filing is guilty of a misdemeaner and, upon conviction thereof, shall be fined not more than one thousand dollars or confined in the county or regional jail not more than one year, or both.

listed by the Office of the Secretary of Sinte .

WV012 - 0446/2011 Wakin Kkmyr Odline

Porm CF-4

Revised 4/13



Great Seal of the State of
West Virginia, on this

TENTH day of

JULY 19 91

Low Histley

Seculary of Seale.

# FORM WW-6A1 EXHIBIT 2

KEN HECHLER



TO BE FILED IN DUFLICATE ORIGINALS

JIL 1 0 1991

OFFICE OF
RY OF STATE
WEST VIRGINIA

# APPLICATION FOR CERTIFICATE OF WITHDRAWAL

OF CNG Development Company

ne following	Code of West Virginia, the est Virginia, and submits	e 1, Section 60 of the C of withdrawal from We	plies for a certificate	orporation hereby applicatement:
	Company	CNG Development	corporation is:	The name of the
		avare	the laws ofDela	t is incorporated under
		T VIRGINIA.	G BUSINESS IN WES	T IS NOT TRANSACTIF
of process	est Virginia. It revokes the and consents that served on arising in West Virgin Virginia may thereafter orginia.	ept service of process, on any course of actio	West Virginia to acce proceeding based up- vas authorized to tran	n any action, suit or me the corporation w
ess against	y mail a copy of any pro	Secretary of State may	address to which the	The post-office a
Street,	er, 1450 Poydras .tn: Corporate Se	ompany, CNG Tow 70112-6000 At	Tear Orleans, LA	he corporation is:
par value ct	sue, item and by classes	h it has authority to iss within a class, as of this	umber of shares which	The aggregate no
HECEIVED	PAR VALUE/I	SERIES	CLASS	UMBER OF SHARES
e of Oil and			Cormon	1,400,000
JUL 18 2017				
Departmen				
	25, par value of shares, sl	ares, item and by classes date is	imber of its issued shi within a class, as of this	The aggregate nu ar, and series, if any, w
res without	PAR VALUE/	EP ES	CLASS	UMBER OF SHARES

ChG Development Company (Through CHG Producing Company)
corporate name
President/Vice President Secretary. W.K. A.A.L.
State of
1. mag 5 Uriohi, Jr.
nereby certify that
nereby certify that, the Secretary
CNG Producing Company
of CNG Producing Company  corporate name
appeared the are me as a they signed the fore; ling as the aut and deed of the corporation.
(notary sea
My commission expires at death

