



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

MONDAY JANUARY 10, 2022
PERMIT MODIFICATION APPROVAL
New Drill / Modification Lateral Extension

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET
DENVER, CO 80202

Re: Permit Modification Approval for GANDER UNIT 1H
47-085-10416

Lateral Extension

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.

A blue ink signature of James A. Martin, Chief, is written over a blue circular stamp. The signature is stylized and cursive.

James A. Martin
Chief

Operator's Well Number: GANDER UNIT 1H
Farm Name: ANTERO RESOURCES CORPORATION
U.S. WELL NUMBER: 47-085-10416
New Drill Modification Lateral Extension
Date Modification Issued: 01/10/2022

Promoting a healthy environment.

01/21/2022

85-10516-
Gander 1H



December 22, 2021

West Virginia Department of Environmental Protection
Office of Oil and Gas
Attn: Mr. Taylor Brewer
601 57th Street
Charleston, WV 25304

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

Exp
4003486
\$ 5000⁰⁰

Mr. Brewer:

Antero Resources Corporation (Antero) would like to submit the following permit modifications for approved well on the existing Weekley West Pad: Gander Unit 1H (47-085-10516-00), and Maxson Unit 1H & 2H (47-085-10412-00, 47-085-10413-00) Expedited.

Attached you will find the following:

- Revised Form WW-6B
- Revised Form WW-6A1
- Revised Mylar Plat
- AOR

If you have any questions please feel free to contact me at (303) 357-7182.

Thank you in advance for your consideration.

Sincerely,

A handwritten signature in black ink that reads "Mallory Stanton".

Mallory Stanton
Permitting Supervisor
Antero Resources Corporation

RECEIVED
Office of Oil and Gas

DEC 27 2021

WV Department of
Environmental Protection

Enclosures

01/21/2022

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

1) Well Operator: Antero Resources Corporation 494507062 085-Ritchie Union Pullman/Oxford7
Operator ID County District Quadrangle

2) Operator's Well Number: Gander Unit 1H Well Pad Name: Weekley West Pad

3) Farm Name/Surface Owner: Antero Resources Corporation Public Road Access: Co Rd 22/3

4) Elevation, current ground: 1,138' Elevation, proposed post-construction: 1,125'

5) Well Type (a) Gas Oil _____ Underground Storage _____
Other _____
(b) If Gas Shallow Deep _____
Horizontal

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus Shale, 7,000 TVD, Anticipated Thickness 55', Associated Pressure 2,850#

8) Proposed Total Vertical Depth: 7,000'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24,000'

11) Proposed Horizontal Leg Length: 13,604

12) Approximate Fresh Water Strata Depths: 258', 330', 478'

13) Method to Determine Fresh Water Depths: Reference wells 08508569, 0850858, 08508582 Depths have been adjusted according to surface elevations

14) Approximate Saltwater Depths: 1,015' (reference well 08503139), 1,976' (reference well 08507618)

15) Approximate Coal Seam Depths: 734' (reference well 08507618), 1,495' (reference well 08503139)

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 _____ No

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

JCB
1/6/2022

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#	80	80	CTS, 77 Cu. Ft.
Fresh Water	13-3/8	New	J/K-55	54.5#	528	528	CTS, 550 Cu. Ft.
Coal	9-5/8	New	J/K-55	36#	2500	2500	CTS, 1018 Cu. Ft.
Intermediate							
Production	5-1/2	New	PY-110	23#	24,000	24,000	CTS, 5271 Cu. Ft.
Tubing	2-3/8	New	N-80	4.7#			
Liners							

*JCB
1/6/2022*

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	20"	24"	0.438"	1530	50	Class A	~1.18
Fresh Water	13-3/8	17-1/2"	0.380"	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	8-3/8" & 8-1/2"	0.415"	12,630	9300		
Tubing	2-3/8	4.778"	0.190"	11,200		Lead-H/POZ & Tail-H	H/POZ-1.44 & H-1.8
Liners							

PACKERS

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

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 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."

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

JOB
11/6/2022

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 58.63

22) Area to be disturbed for well pad only, less access road (acres): 8.23

23) Describe centralizer placement for each casing string:

Conductor: No centralizers.
Surface Casing: One centralizer 10' above the float shoe and one every 4th joint spaced up the hole to surface.
Intermediate Casing: One centralizer above float joint, one centralizer 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 Casing: Class A cement with 2-3% calcium chloride and 1/4 lb of flake.
Intermediate Casing: Class A cement with 1/4 lb of flake, 5 gallons of clay treat.
Production Casing 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 Casing Tail Cement: Class H + 45 PPS Calcium Carbonate + 1.0% Flake + 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.



47085076320000

47085076360000

47085062650000

47085063490000

47085049790000

47085049720000

47085040010000

47085308860000

Gander Unit 1H

47085018920000

47085071890000

47085071930000

RECEIVED
Office of Oil and Gas
DEC 27 2021
WV Department of
Environmental Protection



Antero Resources Corporation

Gander Unit 1H - AOR



- WELL SYMBOLS
- Gas Well
 - Oil Well
 - Plugged Gas Well

December 20, 2021

01/21/2022

UWI (API Num)	Well Name	Well Number	Operator	Historical Operator	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producing Formation(s) not perf'd
47085076320000	DOTSON T D	3	RITCHIE PET CORP	HOPE CONSTR & REFG	2,062	2017 - 2023	Big Injun	Warren, Speechly, Balltown
47085076360000	MARTIN HRS	4	RITCHIE PET CORP	HOPE CONSTR & REFG	1,988	1953 - 1958	Big Injun	Alexander, Gordon, Berea
47085062650000	PIERCE FLORENCE R	1	BOWYER DAVID	STALNAKER GENE INC	5,450	3381 - 5206	Speechley, Riley, Benson, Alexander	Warren, Balltown
47085063490000	FLORENCE R PIERCE	1	SOLOMON PRODUCTION	STALNAKER GENE INC	5,300	3902 - 5113	Lower Huron, Angola	Alexander, Gordon, Berea
47085049790000	SPIKER B Z & A W	1	BETA HELIX ENRGY LLC	CHASE PETROLEUM CO	5,108	4149 - 4872	Speechley, Balltown, Riley, Benson, Alexander	Alexander, Gordon, Berea
47085049720000	DOROTHY H COX	1	PETROLEUM RES LLC	CHASE PETROLEUM CO	5,432	4445 - 5128	Riley, Benson, Alexander	Warren, Speechly, Balltown
47085040010000	W B ZINN	4921	EQUITABLE GAS CO	EQUITABLE GAS CO	2,060		Big Injun	Alexander, Gordon, Berea
47085308860000	VILENA SHEETS 2	4907	PITTSBURGH&W VA GAS	PITTSBURGH&W VA GAS	2,025		Lo Maxton, Big Injun	Alexander, Gordon, Berea
47085018920000	E J MAXSON HEIRS 3	A-9	AMERICAN ENR HOLDING	ALLEGHENY LAND&MNRL	2,170		Big Injun	Alexander, Gordon, Berea
47085071890000	MAXSON ELISHA J HEIRS	A-1661	AMERICAN ENR HOLDING	ALAMCO INC	5,995	2100 - 5913	Weir, Riley, Benson, Sonyea	Alexander, Gordon, Berea
47085071930000	MAXSON ELISHA J HEIRS	A-1348	STRATEGIC WELL HOLD	ALAMCO INC	5,442	3152 - 4962	Weir, Udev, Balltown, Benson, Alexander	Warren, Balltown

Antero Resources Corporation
Well No. Gander Unit 1H

NOTES:

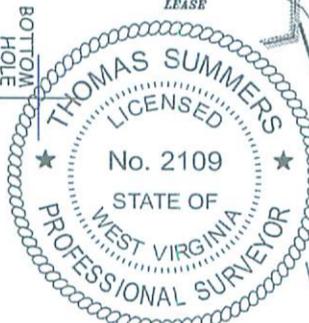
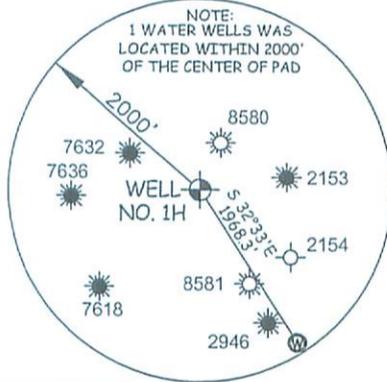
WELL 1H TOP HOLE INFORMATION:
N: 246,871ft E: 1,610,057ft
LAT: 39°10'10.60" LON: 80°52'31.39"
BOTTOM HOLE INFORMATION:
N: 233,711ft E: 1,611,518ft
LAT: 39°08'00.76" LON: 80°52'10.30"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER 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: 4,335,616m E: 510,780m
BOTTOM HOLE INFORMATION:
N: 4,331,614m E: 511,291m

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
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POINT OF ENTRY INFORMATION:
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BOTTOM HOLE INFORMATION:
N: 14,210,589ft E: 1,677,414ft

NOTE
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.

NOTE:
1 WATER WELLS WAS LOCATED WITHIN 2000' OF THE CENTER OF PAD



Union District - Ritchie County

14-19	David W. Weekley
20-3	David W. Weekley
20-4	David W. Weekley
20-7	David W. Weekley
20-8	David W. Weekley
20-9	Albin Gesek
20-10	David W. Weekley
20-11.1	Antero Resources Corp.
20-11.4	Bryan Ireland
20-12	Albin Gesek
20-12.1	Albin Gesek
20-13	David Pierce
20-13.1	Dallas Smith
20-17	Christopher Cress
20-18	Richard Pierce
20-19	Charles Adams
20-20	Mark Spiker
20-21	Charles Adams
21-3	Dallas Smith
21-5	James Beek
26-6	Mark Spiker
26-6.1	Earl Flesher
26-7	Donald Sheets
26-8	Mark Spiker
26-9	Donald Sheets
26-14	Mark Spiker
26-14.1	Mark Spiker
26-15	Mark Spiker
26-16	South Fork Sportsmen Assn, Inc.
26-16.1	South Fork Sportsmen Assn, Inc.
26-17	South Fork Sportsmen Assn, Inc.
26-26	Marvin Brissey
26-27	South Fork Sportsmen Assn, Inc.
26-30	South Fork Sportsmen Assn, Inc.
27-1	Linda Jennings
27-1.1	Linda Jennings
27-2	Randall Hess
27-3	Steven Lusk
27-3.4	Kent Grotjan
27-3.5	Joshua Friedman
27-3.6	Lillian Martin
27-11	Miles Ball
27-15	Randall Pierce
27-15.1	Randall Pierce
27-16	Clarence Bush
27-20	South Fork Sportsmen Assn, Inc.
27-21	Maxson Land LLC
27-22	Clarence Bush
32-1	Stanley Echarad
32-1.3	Stanley Echarad
32-2	Harold Pierce

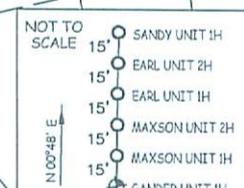
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

JOB # 15-058WA
DRAWING # GANDER1HR3
SCALE 1" = 2000'
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 +/-
- - - Adjoining Surface Tracts +/-
⊕ Found monument, as noted
THOMAS SUMMERS P.S. 2109
DATE 12/21/21
OPERATOR'S WELL# GANDER UNIT #1H



WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 085 - 10416 MD
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X STATE COUNTY PERMIT
LOCATION: ELEVATION 1,138' -ORIGINAL 1,125' -PROPOSED WATERSHED SOUTH FORK HUGHES RIVER
QUADRANGLE TH - PULLMAN 7.5' BH - OXFORD 7.5' DISTRICT UNION COUNTY 01/21/2022
SURFACE OWNER DAVID W. & DAVID MARTIN WEEKLEY ACREAGE 39.87 ACRES +/-
OIL & GAS ROYALTY OWNER T. D. DOTSON ET UX; ALMA J. MARTIN ET AL; DAVID W. WEEKLEY ET AL; LEASE ACREAGE 39.87 AC.±; 39.88 AC.±; 71 AC.±;
JOHN M. DEBRULAR ET UX; LEWIS EARL PIERCE ET UX; BRADFORD SPIKER ET UX; DOROTHY H. COX; 154AC.±; 82 AC.±; 52 AC.±; 36 AC.±;
SUSAN V. DRENNAN REVOCABLE TRUST; HARRY H. SHEETS ET AL; ELVA MAXSON ET AL 49.6 AC.±; 167.3 AC.±; 240 AC.±
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER X REDRILL ___ FRACTURE OR STIMULATE X
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL
(SPECIFY) MOD-BHL
TARGET FORMATION MARCELLUS PLUG & ABANDON CLEAN OUT & REPLUG
WELL OPERATOR ANTERO RESOURCES CORP. ESTIMATED DEPTH 7,000' TVD 24,000' MD
ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

LONGITUDE 80°50'00"
LONGITUDE 80°52'30"

LATITUDE 39°10'00"

LATITUDE 39°12'30" 109'

Antero Resources Corporation
Well No. Gander Unit 1H

NOTES:

WELL 1H TOP HOLE INFORMATION:
N: 246,871ft E: 1,610,057ft
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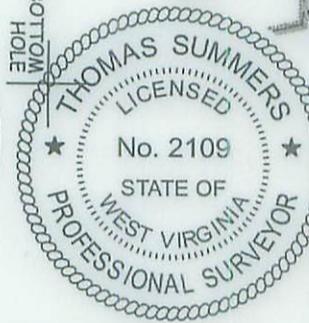
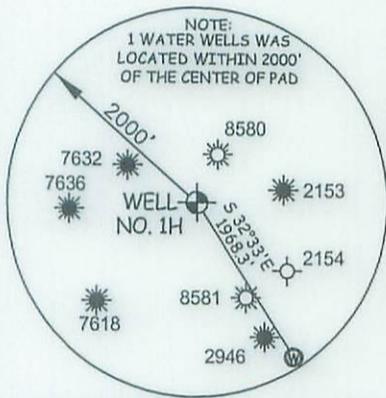


Table listing landowners and leaseholders for the area, including names like David W. Weekley, Albin Gesek, Dallas Smith, and others, with their respective lease numbers.

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.

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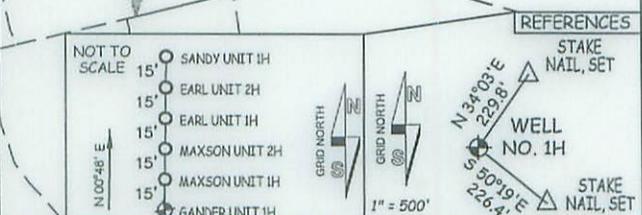
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- - - Adjoining Surface Tracts +/-
⊕ Found monument, as noted

Thomas Summers
THOMAS SUMMERS P.S. 2109

DATE 12/21/21
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(SPECIFY) MOD-BHL ___ PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,000' TVD 24,000' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

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
<u>T.D. Dotson, et ux Lease</u>			
T.D. Dotson, et ux	J.T. Carter	1/8	0011/0297
J.T. Carter	The Carter Oil Company	Assignment	0011/0528
The Carter Oil Company	Hope Construction and Refining Company	Assignment	0052/0194
Hope Construction and Refining Company	Hope Natural Gas Company	Merger	0111/0520
Hope Natural Gas Company	Consolidation Gas Supply Corporation	Conveyance	0151/0436
Consolidation Gas Supply Corporation	Consolidation Gas Transmission Corporation	Assignment	0169/0756
Consolidation Gas Transmission Corporation	CNG Development Company	Assignment	0176/0601
CNG Development Company	CNG Producing Company	Name Change	WVSOS
CNG Producing Company	Dominion Exploration & Production, Inc.	Name Change	0058/0366
Dominion Exploration & Production, Inc.	Dominion Transmission, Inc.	Assignment	0251/0621
Dominion Transmission, Inc.	CONSOL Energy Holdings, LLC	Assignment	0251/0648
CONSOL Energy Holdings, LLC	Consol Gas Company	Merger	0006/0576
Consol Gas Company	CNX Gas Company, LLC	Merger	0006/0634
CNX Gas Company, LLC	Antero Resources Corporation	Assignment	0269/0429
<u>Alma J. Martin, et al Lease</u>			
Alma J. Martin, et al	The Carter Oil Company	1/8	0011/0589
The Carter Oil Company	Hope Construction and Refining Company	Assignment	0052/0194
Hope Construction and Refining Company	Hope Natural Gas Company	Conveyance	0111/0520
Hope Natural Gas Company	Consolidation Gas Supply Corporation	Conveyance	0151/0436
Consolidation Gas Supply Corporation	Consolidation Gas Transmission Corporation	Assignment	0169/0756
Consolidation Gas Transmission Corporation	CNG Development Company	Assignment	0176/0601
CNG Development Company	CNG Producing Company	Name Change	WVSOS
CNG Producing Company	Dominion Exploration & Production, Inc.	Merger	0058/0366
Dominion Exploration & Production, Inc.	Dominion Transmission, Inc.	Assignment	0251/0621
Dominion Transmission, Inc.	CONSOL Energy Holdings, LLC	Assignment	0251/0648
CONSOL Energy Holdings, LLC	Consol Gas Company	Merger	0006/0576
Consol Gas Company	CNX Gas Company, LLC	Name Change	0006/0634
CNX Gas Company, LLC	Antero Resources Corporation	Assignment	0269/0429
<u>David W. Weekley, et al Lease</u>			
David W. Weekley, et al	Ritchie Petroleum Corporation	1/8	0221/0796
Ritchie Petroleum Corporation	Key Oil Company	Assignment	0226/0492
Key Oil Company	Antero Resources Appalachian Corporation	Assignment	0253/0747
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0015/0705
<u>Alma J. Martin, et al Lease</u>			
Alma J. Martin, et al	The Carter Oil Company	1/8	0011/0589
The Carter Oil Company	Hope Construction and Refining Company	Assignment	0052/0194
Hope Construction and Refining Company	Hope Natural Gas Company	Conveyance	0111/0520
Hope Natural Gas Company	Consolidation Gas Supply Corporation	Conveyance	0151/0436
Consolidation Gas Supply Corporation	Consolidation Gas Transmission Corporation	Assignment	0169/0756
Consolidation Gas Transmission Corporation	CNG Development Company	Assignment	0176/0601

01/21/2022

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)

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
CNG Development Company	CNG Producing Company	Name Change	WVSOS
CNG Producing Company	Dominion Exploration & Production, Inc.	Merger	0058/0366
Dominion Exploration & Production, Inc.	Dominion Transmission, Inc.	Assignment	0251/0621
Dominion Transmission, Inc.	CONSOL Energy Holdings, LLC	Assignment	0251/0648
CONSOL Energy Holdings, LLC	Consol Gas Company	Merger	0006/0576
Consol Gas Company	CNX Gas Company, LLC	Name Change	0006/0634
CNX Gas Company, LLC	Antero Resources Corporation	Assignment	0269/0429
<u>John M. Debruler, et ux Lease</u>			
John M. Debruler, et ux	W.W. Water	1/8	0011/0321
W.W. Water	M.G. Zinn	Assignment	0012/0370
M.G. Zinn	Carter Oil Company	Assignment	0012/0373
Carter Oil Company	Hope Construction and Refining Company	Assignment	0052/0194
Hope Construction and Refining Company	Hope Natural Gas Company	Assignment	0111/0520
Hope Natural Gas Company	Consolidation Gas Supply Corporation	Conveyance	0151/0436
Consolidation Gas Supply Corporation	Consolidation Gas Transmission Corporation	Conveyance	0169/0756
Consolidation Gas Transmission Corporation	CNG Producing Company	Assignment	0176/0601
CNG Producing Company	Dominion Exploration & Production, Inc.	Name Change	0058/0366
Dominion Exploration & Production, Inc.	Dominion Transmission, Inc.	Assignment	0251/0621
Dominion Transmission, Inc.	CONSOL Energy Holdings, LLC XVI	Assignment	0251/0648
CONSOL Energy Holdings, LLC XVI	CONSOL Gas Company	Merger	0006/0576
CONSOL Gas Company	CNX Gas Company, LLC	Name Change	0006/0634
CNX Gas Company, LLC	Antero Resources Corporation	Assignment	0269/0429
<u>Lewis Earl Pierce, et ux Lease</u>			
Lewis Earl Pierce, et ux	C.O. Wise	1/8	0086/0291
C.O. Wise	C.A. Stricklin	Assignment	0093/0360
C.A. Stricklin	Big A Oil Corporation	Assignment	0152/0591
Big A Oil Corporation	Lamar Oil & Gas Company, Inc	Assignment	0266/0031
Lamar Oil & Gas Company, Inc	Antero Resources Appalachian Corporation	Assignment	0257/0778
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0015/0705
<u>Bradford Z. Spiker, et ux Lease</u>			
Bradford Z. Spiker, et ux	Alton Skinner	1/8	0132/0388
Alton Skinner	Alton L. Skinner II, Crystal G. Skinner, & Desari S. Garrett	Assignment	0216/0391
Alton L. Skinner II, Crystal G. Skinner, & Desari S. Garrett	DC Petroleum, Inc	Assignment	0247/0245
DC Petroleum, Inc	Antero Resources Appalachian Corporation	Assignment	0254/0902
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0015/0705

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<u>Dorothy M. Cox Lease</u>			
Dorothy M. Cox	Alton Skinner	1/8	0132/0477
Alton Skinner	Alton L. Skinner II, Crystal G. Skinner, & Desari S. Garrett	Assignment	0216/0391
Alton L. Skinner II, Crystal G. Skinner, & Desari S. Garrett	DC Petroleum, Inc	Assignment	0247/0245
DC Petroleum, Inc	Antero Resources Appalachian Corporation	Assignment	0254/0902
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0015/0705
<u>Susan V. Drennan Revocable Trust</u>			
Susan V. Drennan Revocable Trust	Antero Resources Corporation	1/8+	0329/0071
<u>Harry H. Sheets, et al Lease</u>			
Harry H. Sheets, et al	Willard E. Farrell	1/8	0086/0115
Willard E. Farrell	Collen F. Selsor, et al	Will	0042/0015
Collen F. Selsor, et al	J. Frank Deem	Assignment	0205/0192
J. Frank Deem	CHK Louisiana LLC	Assignment	0247/0624
CHK Louisiana LLC	Chesapeake Appalachia LLC	Assignment	0247/0933
Chesapeake Appalachia LLC	SWN Production Company	Assignment	0280/0707
SWN Production Company	Antero Exchange Properties	Assignment	0301/0114
Antero Exchange Properties	Antero Resources Corporation	Merger	0014/0598

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Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
✓ Elva Mazson, et al Lease	Elva Maxson, et al	Hope Natural Gas Company	1/8	0074/0385
	Hope Natural Gas Company	Allegheny Land and Mineral	Assignment	0084/0597
	Allegheny Land and Mineral	Plymouth Oil Company	Assignment	0086/0039
	Plymouth Oil Company	Allegheny Land and Mineral	Assignment	0087/0183
	Allegheny Land and Mineral	Alamo Inc	Name Change	0004/0452
	Alamo Inc	Columbia Natural Resources LLC	Merger	0269/0668
	Columbia Natural Resources LLC	Chesapeake Appalachia LLC	Merger	0008/0296
	Chesapeake Appalachia LLC	SWN Production Company LLC	Assignment	0280/0707
	SWN Production Company LLC	Antero Exchange Properties LLC	Assignment	0301/0114
	Antero Exchange Properties LLC	Antero Resources Corporation	Name Change	0014/0598

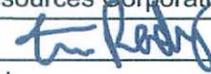
*Partial Assignments to Antero Resources Corporation include 100% rights to extract, produce and market the oil and gas from the Marcellus and any other formations completed with this well.

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
- County Floodplain Coordinator

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

Well Operator: Antero Resources Corporation
 By: Tim Rady 
 Its: VP of Land



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Expedited Horizontal H6A Well Work Permits Weekly West Pad

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Tue, Jan 18, 2022 at 2:15 PM

To: Mallory Stanton <mstanton@anteroresources.com>, Dani DeVito <ddevito@shalepro.com>, mhamsher@anteroresources.com, Douglas Newlon <douglas.c.newlon@wv.gov>, Arlene Mossor <amosor@wvassessor.com>

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

47-085-10412 - MAXSON UNIT 1H
47-085-10413 - MAXSON UNIT 2H
47-085-10416 - GANDER UNIT 1H

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304

(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

3 attachments

 **47-085-10412 - mod.pdf**
3406K

 **47-085-10413 - mod.pdf**
3678K

 **47-085-10416 - mod.pdf**
3580K

01/21/2022