



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 31, 2022
PERMIT MODIFICATION APPROVAL
New Drill / Modification

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET
DENVER, CO 80202

Re: Permit Modification Approval for SANDY UNIT 1H
47-085-10417

Extending Lateral

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 handwritten signature in blue ink, appearing to read 'James A. Martin', is written over a faint circular stamp.

James A. Martin
Chief

Operator's Well Number: SANDY UNIT 1H
Farm Name: ANTERO RESOURCES CORPORATION
U.S. WELL NUMBER: 47-085-10417
New Drill Modification
Date Modification Issued: 01/31/2022

Promoting a healthy environment.

03/04/2022

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: Sandy 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: 23,500'

11) Proposed Horizontal Leg Length: 13,685'

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: _____

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WW-6B
(04/15)

API NO. 47- 085 - [0417 MOD
OPERATOR WELL NO. Sandy Unit 1H
Well Pad Name: Weekley West 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#	80	80	CTS, 77 Cu. Ft.
Fresh Water	13-3/8	New	J/K-55	54.5#	528	528	CTS, 550Cu. 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#	23500	23500	CTS, 4994 Cu. Ft.
Tubing	2-3/8	New	N-80	4.7#			
Liners							

Bryan Harris 1/19/22

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		LAM-HPOZ & T&H	H/POZ-1.44 & H-1.8
Liners							

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PACKERS

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

WW-6B
(10/14)

API NO. 47- 085 -J0417 MOD
OPERATOR WELL NO. Sandy Unit 1H
Well Pad Name: Weekley West 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.

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

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

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

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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:

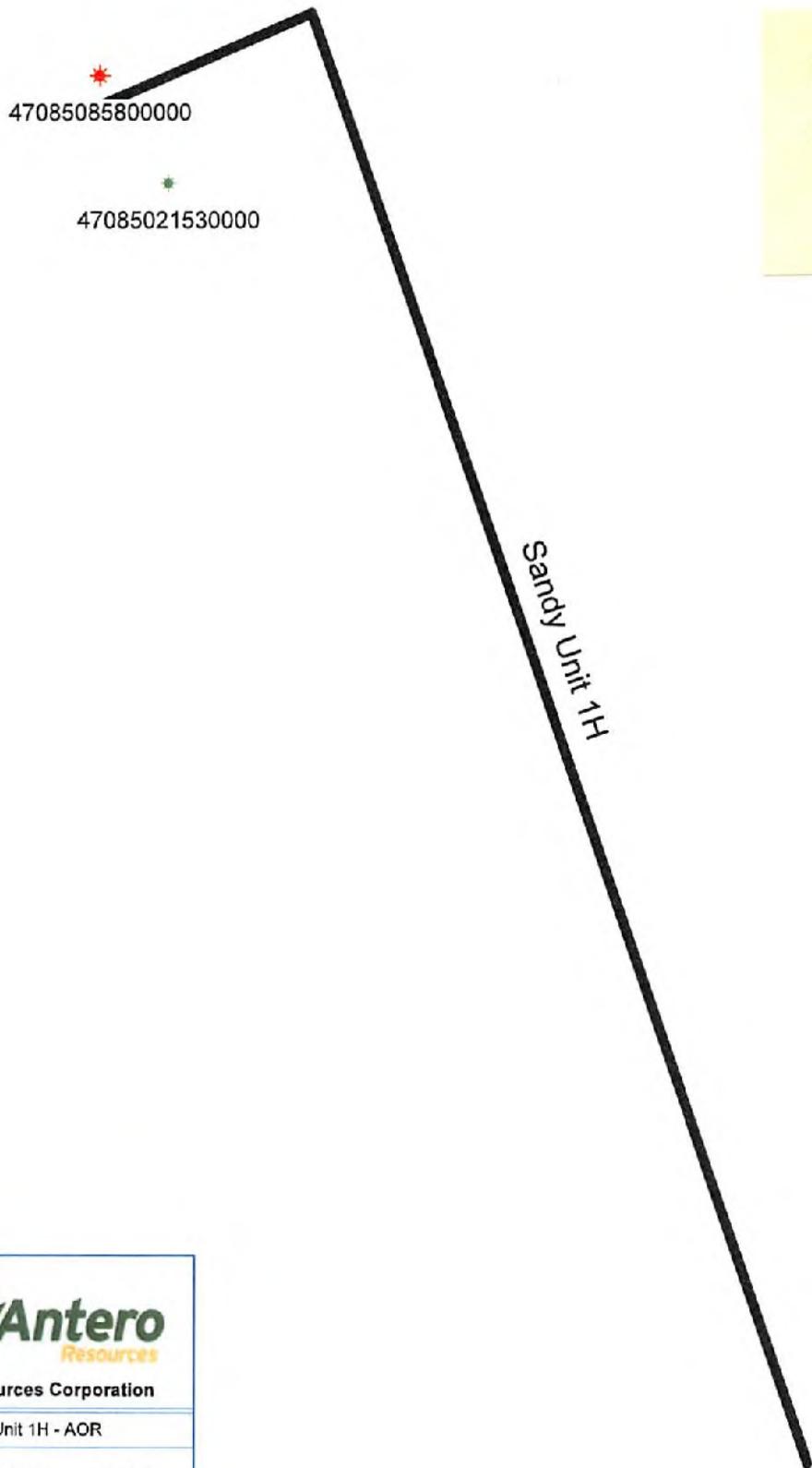
Conductor: blowhole clean with air, run casing, 10 bbls fresh water.

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.



ck#
4003843
\$5,000

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Antero Resources Corporation

Sandy Unit 1H - AOR



- WELL SYMBOLS
- Gas Well
 - Oil & Gas Well

December 20, 2021

03/04/2022

UWI (APINum)	Well Name	Well Number	Operator	Historical Operator	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not per'f'd
47085085800000	PIERCE	1	KEY OIL CO	KEY OIL CO	5,438	3448 - 5250	Warren, Speechley, Balltown, Riley, Benson, Alexander	Gordon, Berea
47085021530000	EARL PIERCE	1	RITCHIE PET CORP	HEASTER PAUL ET AL	1,960		Big Injun	Gordon, Berea

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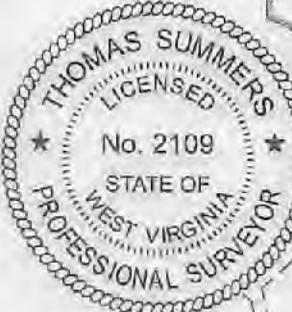
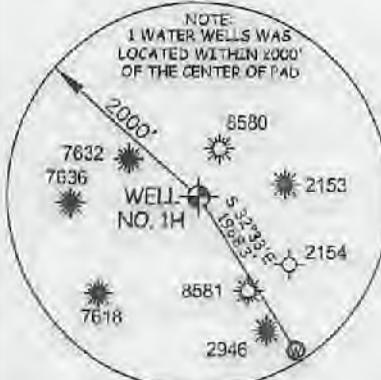
Antero Resources Corporation
Well No. Sandy Unit 1H

NOTES:
WELL 1H TOP HOLE INFORMATION:
 N: 246,946ft E: 1,610,058ft
 LAT: 39°10'11.34" LON: 80°52'31.39"
BOTTOM HOLE INFORMATION:
 N: 234,293ft E: 1,616,670ft
 LAT: 39°08'07.28" LON: 80°51'05.03"
 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: 4,335,638m E: 510,780m
BOTTOM HOLE INFORMATION:
 N: 4,331,817m E: 512,858m

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
 N: 14,223,793ft E: 1,675,735ft
POINT OF ENTRY INFORMATION:
 N: 14,224,203ft E: 1,678,133ft
BOTTOM HOLE INFORMATION:
 N: 14,211,257ft E: 1,682,554ft

NOTE
 NO OCCUPIED DWELLINGS OR BUILDINGS AND 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.



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.



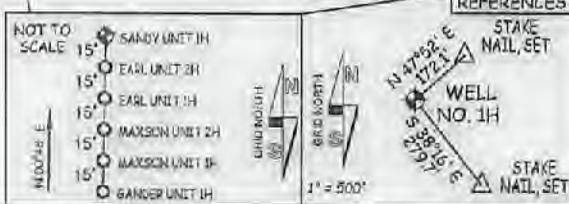
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

JOB # 21-015WA
 DRAWING # SANDY1HR
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND
 - - - Surface Owner Boundary Lines +/-
 - - - Adjoining Surface Tracts +/-
 ⊕ Found monument, as noted

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

DATE 12/21/21
 OPERATOR'S WELL # SANDY UNIT #1H



Union District	Witchie County
14-19	David W. Weekley
20-4	David W. Weekley
20-7	David W. Weekley
20-9	Albin Essek
20-10	David W. Weekley
20-12	Albin Essek
20-12.1	Albin Essek
20-13	David Pierce
20-13.1	Dallas Smith
20-18	Richard Pierce
20-19	Charles Adams
20-20	Mark Spiker
20-21	Charles Adams
21-3	Dallas Smith
21-4	Larry Gander
21-5	James Beck
21-6	W. F. Smith Hales
21-8	Brian Vansant
21-10	Richard Pierce
21-10.2	James Beck
21-14	Dennis Hilley
25-7	Donald Sheets
25-8	Mark Spiker
25-9	Donald Sheets
25-15	Mark Spiker
25-16	South Fork Sportsmen Assn, Inc.
25-16.1	South Fork Sportsmen Assn, Inc.
25-17	South Fork Sportsmen Assn, Inc.
25-26	Marvin Briscoy
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 Hase
27-3	Steven Lusk
27-3.4	Karr Grant, on
27-3.5	Zoshua Friedman
27-3.6	Lillian Mornin
27-4.1	Miles Ball
27-12	Douglas Moxson
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
27-23	Jan Bonnell
27-23.2	Clarence Bush
32-1	Stanley Edward
32-1.3	Daryl Shepler
32-2	Harold Pierce

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL 47 - 085 - 10417 MGD
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW 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 RITCHIE
 SURFACE OWNER DAVID W. & DAVID MARTIN WEEKLEY ACREAGE 39.87 ACRES +/- 03/04/2022
 OIL & GAS ROYALTY OWNERT D. DOTSON ET UX; EARL PIERCE ET UX; ANTERO MINERALS LLO LEASE ACREAGE 39.87 AC +/- 51 AC +/- 25 AC +/-
 EARL PIERCE ET UX; JAMES BECK ET AL; JACOB PIERCE ET AL; RALPH JETT ET UX; MARY J. BRITTON: 47 AC +/- 65 AC +/- 34 AC +/- 148 AC +/- 89 AC +/-
 ELIZABETH E. BRITTON; DARLENE BOSTON; BERNICE HAUGHT ET AL; CLARENCE BUSH ET UX; HARVEY SHEPLER ET AL 116.5 AC +/- 100 AC +/- 66.75 AC +/- 75 AC +/- 188 AC +/-
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
 (SPECIFY) MOD-BHL PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,000 TVD 23,500' 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

11,404' TO BOTTOM HOLE

14,028'

LONGITUDE 80°50'00"

510H DPTH

LONGITUDE 80°52'30"

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)

JAN 13 2022

WV Department of Environmental Protection

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>Earl Pierce et ux Lease</u>			
Earl Pierce and Florence R Pierce his wife	Harry Haddox and Harrold Haddox	1/8	0101/0341
Harry Haddox and Harrold Haddox	George L Yaste dba Oil State Sales Company	Assignment	0102/0261
George L Yaste dba Oil State Sales Company	D L Y Inc	Assignment	0112/0302
D L Y Inc	Betty Jean Stalnaker & Rosalee Roberts dba R.&S. Gas Company	Assignment	0132/0565
Betty Jean Stalnaker & Rosalee Roberts dba R.&S. Gas Company	R & S Gas Company, a partnership	Assignment	0147/0548
R & S Gas Company, a partnership	BET-RO Inc	Assignment	0147/0554
BET-RO Inc	Roberts Energy Corporation	Assignment	0240/0036
Roberts Energy Corporation	Antero Resources Corporation	Assignment	0329/0138
<u>Antero Minerals LLC Lease</u>			
Antero Minerals LLC	Antero Resources Corporation	1/8+	0328/0096
<u>Earl Pierce et ux Lease</u>			
Earl Pierce et ux	Harrold Haddox	1/8	0100/0205
Harrold Haddox	George L Yaste dba Oil State Sales Company	Assignment	0100/0510
George L Yaste dba Oil State Sales Company	D.L.Y. Inc	Assignment	0112/0302
D.L.Y. Inc	Betty Jean Stalnaker & Rosalee Roberts dba R.&S. Gas Company	Assignment	0132/0565
Betty Jean Stalnaker & Rosalee Roberts dba R.&S. Gas Company	BET-RO Inc	Assignment	0147/0554
BET-RO Inc	Roberts Energy Corporation	Assignment	0240/0036
Roberts Energy Corporation	Antero Resources Corporation	Assignment	0302/0741

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<u>James Beck, et al Lease</u>			
James Beck, et al	George L Yaste dba Oil State Sales Company	1/8	0100/0516
George L Yaste dba Oil State Sales Company	D.L.Y. Inc	Assignment	0112/0302
D.L.Y. Inc	Betty Jean Stalnaker & Rosalee Roberts dba R.&S. Gas Company	Assignment	0132/0565
Betty Jean Stalnaker & Rosalee Roberts dba R.&S. Gas Company	R & S Gas Company, a partnership	Assignment	0147/0548
R & S Gas Company, a partnership	BET-RO Inc	Assignment	0147/0554
BET-RO Inc	Roberts Energy Corporation	Assignment	0240/0036
Roberts Energy Corporation	Antero Resources Corporation	Name Change	0329/0138
<u>Jacob Pierce, et al Lease</u>			
Jacob Pierce, et al	L.E. Mossor	1/8	0105/0210
L.E. Mossor	Francis Friestad	Assignment	0105/0353
Francis Friestad	W.H. Thompson	Assignment	0106/0020
W.H. Thompson	Bet-Ro	Assignment	0222/0426
Bet-Ro	Key Oil Company	Assignment	0226/0382
Key Oil Company	Antero Resources Appalachian Corporation	Assignment	0255/0547
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0015/0702
<u>Ralph Jett, et ux</u>			
Ralph Jett, et ux	W. R. Development Co. Inc	1/8	0191/0378
W. R. Development Co. Inc	Whittle Corporation	Assignment	0254/0910
Whittle Corporation	Antero Resources Appalachian Corporation	Assignment	0255/0526
Antero Resources Appalachian Corporation	Antero Resources Corporation	Assignment	0015/0702
<u>Mary J. Britton Lease</u>			
Mary J. Britton	W.H. Mossor	1/8	0088/0331
W.H. Mossor	J&J Enterprises	Assignment	0133/0004
J&J Enterprises	Term Energy Corporation	Assignment	0172/0336
Term Energy Corporation	Kiedaisch & Summers Enterprises	Assignment	0263/0827
Kiedaisch & Summers Enterprises	Antero Resources Appalachian Corporation	Assignment	0329/0315
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0015/0705
<u>Elizabeth E. Britton Lease</u>			
Elizabeth E. Britton	Pittsburgh & West Virginia Gas Co	1/8	51/501
Pittsburgh & West Virginia Gas Co	Equitable Gas Company	Assignment	126/473
Equitable Gas Company	Equitrans Inc	Assignment	201/253
Equitrans Inc	Equitable Production Eastern State Inc	Assignment	234/830
Equitable Production Eastern State Inc	Equitable Production Company	Assignment	WVSOS
Equitable Production Company	EQT Production Company	Assignment	6/443
EQT Production Company	Antero Resources Corporation	Assignment	282/175

03/04/2022

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
 Chapter 22, Article 6A, Section 5(a)(5)
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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<u>Darlene Boston Lease</u> Darlene Boston	Antero Resources Corporation	1/8+	295/891
<u>Bernice Haught et al Lease</u> Bernice Haught et al L.E Mossor William Mossor AIF for Christine Mossor Widow	L.E Mossor William Mossor AIF for Christine Mossor Widow Antero Resources Corporation	1/8 Will Assignment	108/521 217/843 295/972
<u>Clarence E. Bush et ux Lease</u> Clarence E. Bush et ux L.E Mossor Francis Friestad W.H Thomson BET-RO William K Stalnaker Key Oil Antero Resources Appalachian Corporation	L.E Mossor Francis Friestad W.H Thomson BET-RO William K Stalnaker Key Oil Antero Resources Appalachian Corporation Antero Resources Corporation	1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Name Change	107/447 148/326 198/705 222/426 227/461 254/1086 255/22 15/705

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 Office of Oil and Gas
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 WV Department of
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**Lease Name or
/ Harvey Shepler et ux Lease**

Harvey Shepler et al	L.E Mossor	1/8	107/451
L.E Mossor	Francis Friestad	Assignment	148/326
Francis Friestad	W.H Thomson	Assignment	198/705
W.H Thomson	BET-RO	Assignment	222/426
BET-RO	William K Stalnaker	Assignment	227/461
William K Stalnaker	Key Oil	Assignment	254/1086
Key Oil	Antero Resources Appalachian Corp	Assignment	255/22
Antero Resources Appalachian Corp	Antero Resources Corporation	Name Change	15/705

*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
- County Floodplain Coordinator

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WV Department of
Environmental Protection

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 Permit API: 47-085-10414, 10415, 10417)

1 message

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

Wed, Feb 2, 2022 at 7:13 AM

To: Mallory Stanton <mstanton@anteroresources.com>, Dani DeVito <ddevito@shalepro.com>, Scott Lemley <slemley@wvassessor.com>, "Harris, Bryan O" <bryan.o.harris@wv.gov>

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

- 47-085-10414 - EARL UNIT 1H**
- 47-085-10415 - EARL UNIT 2H**
- 47-085-10417 - SANDY 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

-  **47-085-10414 - Copy.pdf**
945K
-  **47-085-10415 - Copy.pdf**
942K
-  **47-085-10417 - Copy.pdf**
953K

03/04/2022