



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

Wednesday, May 1, 2024
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

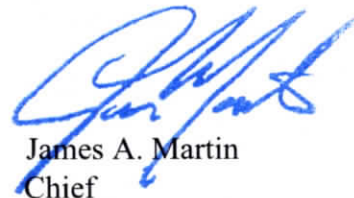
Re: Permit Modification Approval for CARGO UNIT 1H
47-103-03629-00-00

Lateral Extension/ Forced Pooling

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, written in a cursive style.

James A. Martin
Chief

Operator's Well Number: CARGO UNIT 1H
Farm Name: ANTERO RESOURCES CORPORATION
U.S. WELL NUMBER: 47-103-03629-00-00
Horizontal 6A New Drill
Date Modification Issued: 05/01/2024

Promoting a healthy environment.

05/03/2024

WW-6B
(04/15)

API NO. 47-103 - 03629
OPERATOR WELL NO. Cargo Unit 1H MOD ✓
Well Pad Name: Fluharty Pad

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

1) Well Operator: Antero Resources Corporation 494507062 103 - Wetzel Green Porter Falls 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: Cargo Unit 1H MOD Well Pad Name: Fluharty Pad

3) Farm Name/Surface Owner: Antero Resources Corporation Public Road Access: Co Rd 28

4) Elevation, current ground: Proposed - 1181' Elevation, proposed post-construction: _____

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

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus Shale: 7300' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2850#

8) Proposed Total Vertical Depth: 7300' TVD ✓

9) Formation at Total Vertical Depth: Marcellus ✓

10) Proposed Total Measured Depth: 27100' MD ✓

11) Proposed Horizontal Leg Length: 16966' *Open to modification at a later date ✓

12) Approximate Fresh Water Strata Depths: 307' ✓

13) Method to Determine Fresh Water Depths: 47103012450000 Offset well records. Depths have been adjusted according to surface elevations.

14) Approximate Saltwater Depths: 2289' ✓

15) Approximate Coal Seam Depths: N/A

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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Environmental Protection

WW-6B
(04/15)

API NO. 47- 103 - 03629
 OPERATOR WELL NO. Cargo Unit 1H MOD
 Well Pad Name: Fluharty Pad

CASING AND TUBING PROGRAM

18)

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	J-55	94#	100'	100' ✓	CTS, 96 Cu. Ft. ✓
Fresh Water	13-3/8"	New	J-55	54.5#	357'	357' ✓	CTS, 372 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	2900'	2900' ✓	CTS, 1181 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P110-ICV	23#	27100'	27100' ✓	CTS, 5901 Cu. Ft.
Tubing	2-3/8"	New	N-80	4.7#			
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	20"	24"	0.375"	2250	50	Class A/L	~1.18
Fresh Water	13-3/8"	17-1/2"	0.38"	2730	1000	Class A/L	~1.18
Coal	9-5/8"	12-1/4"	0.352"	3520	1500	Class A/L	~1.18
Intermediate							
Production	5-1/2"	8-3/4" & 8-1/2"	0.415"	14,360	2500	Class G/H	~1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

PACKERS

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

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 APR 22 2024
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 Environmental Protection

[Handwritten Signature]
 4/16/24

WW-6B
(10/14)

API NO. 47-103 - 03629
OPERATOR WELL NO. Cargo Unit 1H MOD
Well Pad Name: Fluharty Pad

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

Drill a new horizontal shallow well into the 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): 45.48 acres

22) Area to be disturbed for well pad only, less access road (acres): 11.67 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 to surface.
Intermediate Casing: one centralizer above float joint, one centralizer 5' above float collar and one every 4th collar to surface.
Production Casing: one centralizer at shoe joint and one every 3 joints to top of cement in intermediate casing.

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

Conductor: no additives, Class A/L cement.
Surface: Class A/L cement with 2-3% calcium chloride and 1/4 lb of flake
Intermediate: Class A/L cement with 1/4 lb of flake, 5 gallons of clay treat
Production: Lead cement- 50/50 Class H/Poz + 1.5% salt + 1% C-45 + 0.5% C-16a + 0.2% C-12 + 0.45% C-20 + 0.05% C-51
Production: Tail cement- Class G/H + 45 PPS Calcium Carbonate + 1.0% FL-160 + 0.2% ACGB-47 + 0.05% ACSA-51 + 0.2% ACR-20

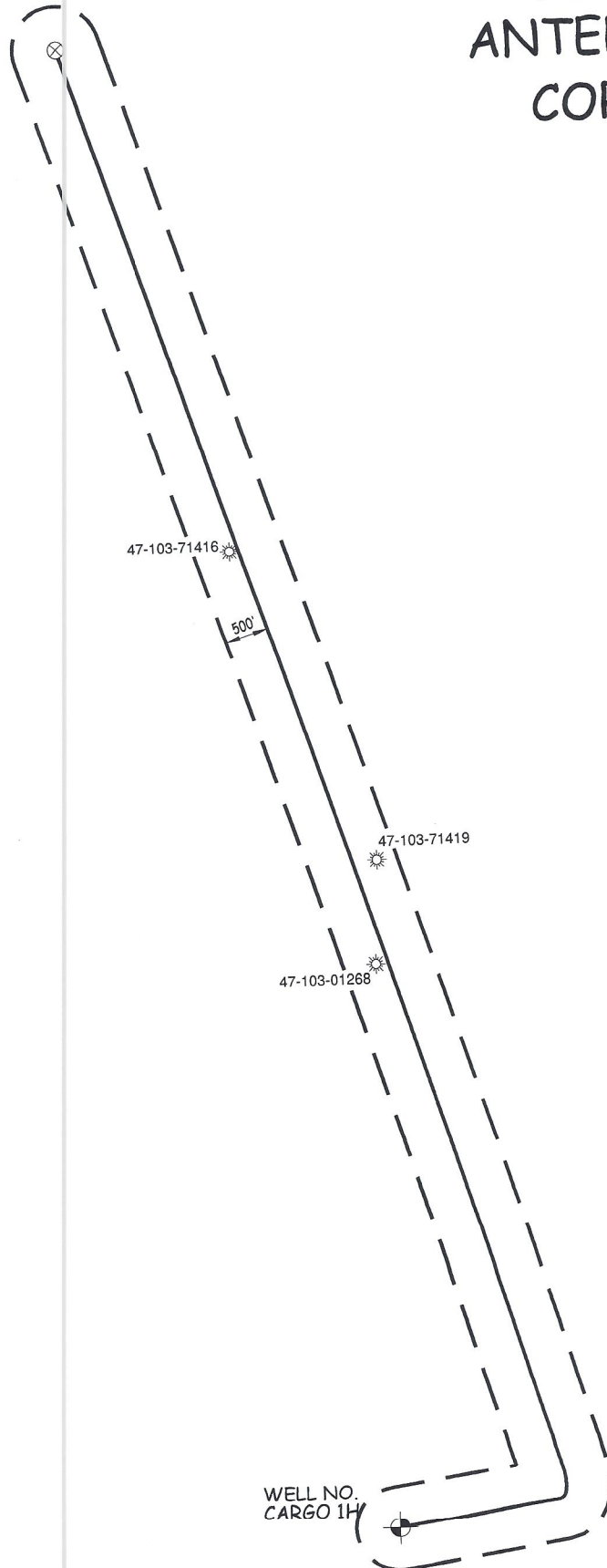
25) Proposed borehole conditioning procedures:

Conductor: blowhole clean with air, run casing, 10 bbls fresh water.
Surface: blowhole clean with air, trip to conductor shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate pipe capacity + 40 bbls fresh water followed by 25 bbls bentonite mud, 10 bbls fresh water spacer.
Intermediate: blowhole clean with air, trip to surface casing shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate 40 bbls brine water followed by 10 bbls fresh water and 25 bbls bentonite mud, pump 10 bbls fresh water.
Production: circulate with 14 lb/gal NaCl mud, trip to middle of lateral, circulate, pump high viscosity sweep, trip to base of curve, pump high viscosity sweep, trip to top of curve, trip to bottom, circulate, pump high viscosity sweep, trip out, run casing, circulate 10 bbls fresh water, pump 48 bbls barite pill, pump 10 bbls fresh water followed by 48 bbls mud flush and 10 bbls water.

*Note: Attach additional sheets as needed.

47 10 303629

FLUHARTY PAD ANTERO RESOURCES CORPORATION



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Office Of Oil and Gas

APR 12 2024

WV Department of
Environmental Protection

WELL NO.
CARGO 1H

WILLOW LAND SURVEYING, PLLC
P.O. BOX 17, PENNSBORO, WV 26415
(304) 659-1717

JOB #: 23-011WA

DATE: 01/09/24

DRAWN BY: D.R.R.

FILE: CARGO1HAOR.DWG

SCALE : 1-INCH = 2000-FEET



47 10 303629

UWI (API Num)	Well Name	Well Number	Operator	Historical Operator	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not perf'd
47103012680000	P M BETTY YOHO	1	COASTAL CORP THE	COASTAL CORP THE				
47103714190000	JENNINGS-MORGAN	1	UNKNOWN	UNKNOWN			Keener	Weir, Benson, Alexander
47103714160000	FRIEND WELLS	1	UNKNOWN	UNKNOWN	2,128			

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05/03/2024

LATITUDE 39°35'00" 6,419'

LATITUDE 39°37'30" 10,009' TO BOTTOM HOLE

4,375'
2,663' TO BOTTOM HOLE
LONGITUDE 80°47'30"
LONGITUDE 80°47'30"

Antero Resources Corporation Well No. Cargo #1H

63	DAVID LEE SMITH
64	ROBERT BARRY MYERS, SR.
65	DAVID LEE SMITH
66	MICHAEL EUGENE SMITH
67	DAVID LEE SMITH
68	COASTAL FOREST RESOURCES COMPANY

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.

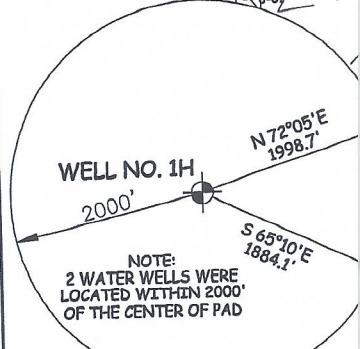
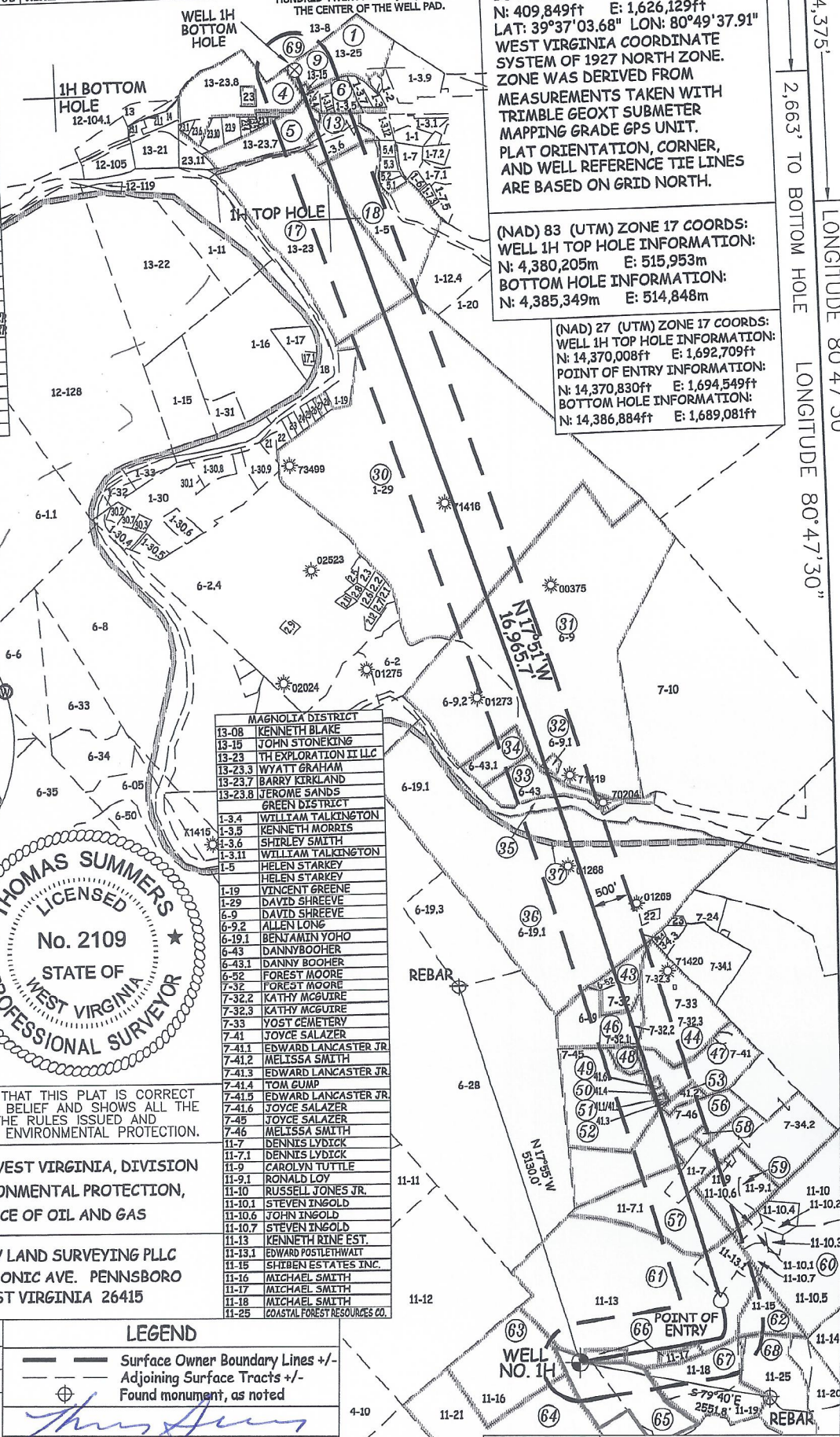
NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 392,909ft E: 1,629,476ft
LAT: 39°34'16.76" LON: 80°48'51.97"
BOTTOM HOLE INFORMATION:
N: 409,849ft E: 1,626,129ft
LAT: 39°37'03.68" LON: 80°49'37.91"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT 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: 4,380,205m E: 515,953m
BOTTOM HOLE INFORMATION:
N: 4,385,349m E: 514,848m

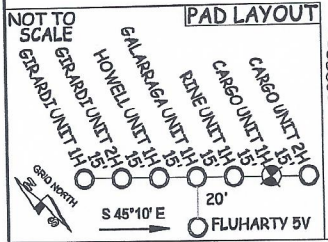
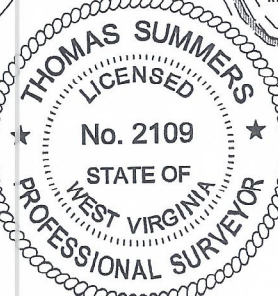
(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 14,370,008ft E: 1,692,709ft
POINT OF ENTRY INFORMATION:
N: 14,370,830ft E: 1,694,549ft
BOTTOM HOLE INFORMATION:
N: 14,386,884ft E: 1,689,081ft

WV NORTH ZONE
GRID NORTH

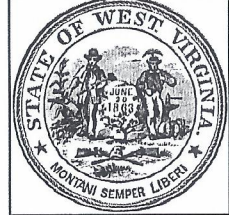
1	RICHARD EDWARD ISNER, SR. AND SHEILA D. ISNER
69	DAVID E. BOWYER
4	LILLIE BLANCHE SMITH TESTAMENTARY TRUST
5	LILLIE BLANCHE SMITH TESTAMENTARY TRUST
8	SHIRLEY L. PRICE
9	SHIRLEY L. PRICE
73	SHIRLEY SMITH
77	LILLIE BLANCHE SMITH TESTAMENTARY TRUST
78	HELEN LOUISE STARKEY
30	DAVID L. SHREVE AND ESTHER SHREVE
31	PAUL PHILLIPS ATKINSON
32	DONALD E. MORGAN, SR.
33	CHESAPEAKE APPALACHIA, LLC.
34	CHESAPEAKE APPALACHIA, LLC.
35	WV DNR
36	STONE HILL MINERALS HOLDINGS, LLC.
37	CSX TRANSPORTATION, INC.
43	PATRICIA A. O'NEIL
44	JOSHUA CURRY CUMP
46	RONALD W. MCCUIRE AND KATHY MELINA MCCUIRE
47	JOHN MATHEW STALEY
48	JOHN MATHEW STALEY
49	JOLAYNE F. WILLIAMS
50	TOMMEY J. CUMP AND JEAN ANN CUMP
51	EDWARD E. LANCASTER, JR. AND SANDY LYNN LANCASTER
52	EDWARD E. LANCASTER, JR. AND SANDY LYNN LANCASTER
53	MELISSA J. LANCASTER
56	TOMMEY J. CUMP AND JEAN ANN CUMP
57	TOMMEY J. CUMP AND JEAN ANN CUMP
58	TOMMEY J. CUMP AND JEAN ANN CUMP
59	HEIRS OF MARGARET EDDY
60	W.C. CUNNINGHAM, ET AL
61	JOHN MATHEW STALEY
62	SHIBDEN ESTATES, INC.



MAGNOLIA DISTRICT	
13-08	KENNETH BLAKE
13-15	JOHN STONEKING
13-23	TH EXPLORATION II LLC
13-23.3	WYATT GRAHAM
13-23.7	BARRY KIRKLAND
13-23.8	JEROME SANDS
GREEN DISTRICT	
1-3.4	WILLIAM TALKINGTON
1-3.5	KENNETH MORRIS
1-3.6	SHIRLEY SMITH
1-3.11	WILLIAM TALKINGTON
L-5	HELEN STARKEY
L-5	HELEN STARKEY
1-19	VINCENT GREENE
1-29	DAVID SHREEVE
6-9	DAVID SHREEVE
6-9.2	ALLEN LONG
6-19.1	BENJAMIN YOHO
6-43	DANNY BOOHER
6-43.1	DANNY BOOHER
6-52	FOREST MOORE
7-32	FOREST MOORE
7-32.2	KATHY MCGUIRE
7-32.3	KATHY MCGUIRE
7-33	YOST CEMETERY
7-41	JOYCE SALAZER
7-41.1	EDWARD LANCASTER JR.
7-41.2	MELISSA SMITH
7-41.3	EDWARD LANCASTER JR.
7-41.4	EDWARD LANCASTER JR.
7-41.5	EDWARD LANCASTER JR.
7-41.6	JOYCE SALAZER
7-45	JOYCE SALAZER
7-46	MELISSA SMITH
11-7	DENNIS LYBICK
11-7.1	DENNIS LYBICK
11-9	CAROLYN TUTTLE
11-9.1	RONALD LOY
11-10	RUSSELL JONES JR.
11-10.1	STEVEN INGOLD
11-10.6	JOHN INGOLD
11-10.7	STEVEN INGOLD
11-13	KENNETH RINE EST.
11-13.1	EDWARD POSTLETHWALT
11-15	SHIBDEN ESTATES INC.
11-16	MICHAEL SMITH
11-17	MICHAEL SMITH
11-18	MICHAEL SMITH
11-25	COASTAL FOREST RESOURCES CO.



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 # 21-011WA
DRAWING # CARGO1HR
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

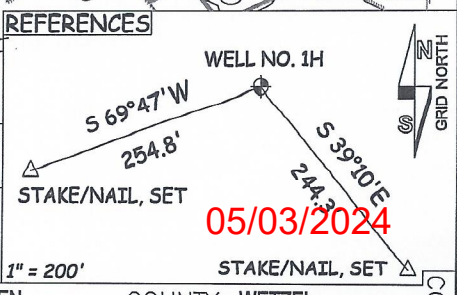
LEGEND
— Surface Owner Boundary Lines +/-
- - - Adjoining Surface Tracts +/-
⊕ Found monument, as noted

THOMAS SUMMERS P.S. 2109

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

DATE 02/21/24
OPERATOR'S WELL# CARGO UNIT #1H
47 - 103 - 03629
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION PROPOSED - 1,181' WATERSHED FISHING CREEK QUADRANGLE PORTER FALLS 7.5' DISTRICT GREEN COUNTY WETZEL
SURFACE OWNER ANTERO RESOURCES CORPORATION ACREAGE 46.95 ACRES±
OIL & GAS ROYALTY OWNER DAVID L. SMITH LEASE ACREAGE 67 ACRES±
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER REDRILL ___ FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,300' TVD 27,100' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT KEVIN ELLIS
ADDRESS 1615 WYNKOOP ST. DENVER, CO 80202 ADDRESS 535 WHITE OAK BLVD. BRIDGEPORT, WV 26330



COUNTY NAME PERMIT

WW-6A1

Operator's Well Number Cargo Unit 1H MOD

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>65: David Lee Smith Lease</u> David Lee Smith	Antero Resources Corporation	1/8+	273A/0442
<u>66: Michael Eugene Smith Lease</u> Michael Eugene Smith	Antero Resources Corporation	1/8+	273A/0435
<u>61: John Mathew Staley Lease</u> John Mathew Staley	Antero Resources Corporation	1/8+	266A/0026
<u>66: Michael Eugene Smith Lease</u> Michael Eugene Smith	Antero Resources Corporation	1/8+	273A/0435
<u>61: John Mathew Staley Lease</u> John Mathew Staley	Antero Resources Corporation	1/8+	266A/0026
<u>57: Tommey J. Gump and Jean Ann Gump Lease</u> Tommey J. Gump and Jean Ann Gump	Antero Resources Corporation	1/8+	334A/0583
<u>56: Tommey J. Gump and Jean Ann Gump Lease</u> Tommey J. Gump and Jean Ann Gump	Antero Resources Corporation	1/8+	334A/0583
<u>57: Tommey J. Gump and Jean Ann Gump Lease</u> Tommey J. Gump and Jean Ann Gump	Antero Resources Corporation	1/8+	334A/0583
<u>56: Tommey J. Gump and Jean Ann Gump Lease</u> Tommey J. Gump and Jean Ann Gump	Antero Resources Corporation	1/8+	334A/0583
<u>47: John Mathew Staley Lease</u> John Mathew Staley	Antero Resources Corporation	1/8+	267A/0399
<u>52: Edward E. Lancaster, Jr. and Sandy Lynn Lancaster Lease</u> Edward E. Lancaster, Jr. and Sandy Lynn Lancaster	Antero Resources Corporation	1/8+	185A/0731
<u>51: Edward E. Lancaster, Jr. and Sandy Lynn Lancaster Lease</u> Edward E. Lancaster, Jr. and Sandy Lynn Lancaster	Antero Resources Corporation	1/8+	185A/0731
<u>50: Tommey J. Gump and Jean Ann Gump Lease</u> Tommey J. Gump and Jean Ann Gump	Antero Resources Corporation	1/8+	334A/0583
<u>49: Jolayne F. Williams Lease</u> Jolayne F. Williams	Antero Resources Corporation	1/8+	329A/0065
<u>47: John Mathew Staley Lease</u> John Mathew Staley	Antero Resources Corporation	1/8+	267A/0399
<u>44: Joshua Curry Gump Lease</u> Joshua Curry Gump	Antero Resources Corporation	1/8+	218A/0250

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APR 23 2024

WV Department of
Environmental Protection

05/03/2024

WW-6A1

Operator's Well Number Cargo Unit 1H MOD

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<u>46: Ronald W. McGuire and Kathy Melina McGuire Lease</u> Ronald W. McGuire and Kathy Melina McGuire	Antero Resources Corporation	1/8+	273A/0496
<u>43: Patricia A. O'Neil Lease</u> Patricia A. O'Neil	Antero Resources Corporation	1/8+	261A/0755
<u>36: Stone Hill Minerals Holdings, LLC. Lease</u> Stone Hill Minerals Holdings, LLC.	Antero Resources Corporation	1/8+	259A/0769
<u>37: CSX Transportation, Inc. Lease</u> CSX Transportation, Inc.	Antero Resources Corporation	1/8+	275A/0895
<u>36: Stone Hill Minerals Holdings, LLC. Lease</u> Stone Hill Minerals Holdings, LLC.	Antero Resources Corporation	1/8+	259A/0769
<u>35: WVDNR Lease</u> WVDNR	Antero Resources Corporation	1/8+	323A/0531
<u>33: Chesapeake Appalachia, LLC. Lease</u> Chesapeake Appalachia, LLC. SWN Production Company LLC. Antero Exchange Properties LLC.	SWN Production Company Antero Exchange Properties LLC. Antero Resources Corporation	1/8 Assignment Merger	157A/0640 177A/0533 0013/0311
<u>32: Donald E. Morgan, Sr. Lease</u> Donald E. Morgan, Sr.	Antero Resources Corporation	1/8+	301A/0829
<u>31: Gail Phillips Atkinson Lease</u> Gail Phillips Atkinson	Antero Resources Corporation	1/8+	264A/0509
<u>30: David L. Shreve and Esther Shreve Lease</u> David L. Shreve and Esther Shreve	Antero Resources Corporation	1/8+	264A/0495
<u>17: Lillie Blanche Smith Testamentary Trust Lease</u> Lillie Blanche Smith Testamentary Trust	Antero Resources Corporation	1/8+	317A/0814
<u>18: Helen Louise Starkey Lease</u> Helen Louise Starkey	Antero Resources Corporation	1/8+	293A/0671
<u>13: Shirley Smith Lease</u> Shirley Smith	Antero Resources Corporation	1/8+	333A/0272
<u>5: Lillie Blanche Smith Testamentary Trust Lease</u> Lillie Blanche Smith Testamentary Trust	Antero Resources Corporation	1/8+	317A/0814
<u>6: Shirley L. Price Lease</u> Shirley L. Price	Antero Resources Corporation	1/8+	331A/0193
<u>4: Lillie Blanche Smith Testamentary Trust Lease</u>			

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Office of Oil and Gas

APR 23 2024

WV Department of
Environmental Protection

05/03/2024

WW-6A1

Operator's Well Number Cargo Unit 1H MOD

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- (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
Lillie Blanche Smith Testamentary Trust	Antero Resources Corporation	1/8+	317A/0814
9: Shirley L. Price Lease Shirley L. Price	Antero Resources Corporation	1/8+	331A/0193

*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.

*Co-tenancy utilization - Antero is utilizing the Co-tenancy Modernization and Majority Protection Act to proceed with development of certain royalty owners' interests in this tract.

**Pooling/Unitization - Antero has filed a horizontal well unitization application with the West Virginia Oil and Gas Conservation Commission that seeks to pool certain owners in this tract.

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05/03/2024

WW-6A1
(5/13)

**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:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
<u>1: Richard Edward Isner, Sr. and Sheila D. Isner Lease</u>	Richard Edward Isner, Sr. and Sheila D. Isner	Antero Resources Corporation	1/8+	266A/0032

*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.

*Co-tenancy utilization – Antero is utilizing the Co-tenancy Modernization and Majority Protection Act to proceed with the development of certain royalty owners' interests in this tract.

**Pooling/Unitization – Antero has filed a horizontal well unitization application with the West Virginia Oil and Gas Conservation Commission that seeks to pool certain owners in this tract.

**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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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: Senior Vice President of Land



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

April 11, 2024

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

Mr. Brewer:

Antero Resources Corporation (Antero) would like to submit the following permit modifications for approved well on the existing Fluharty Pad: Cargo Unit 1H (47-103-03629) Expedited, and on the existing Pinewood Pad: Cokeley Unit 1H (47-085-10511) Expedited.

Attached you will find the following:

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

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If you have any questions please feel free to contact me at (303) 357-6959.

Thank you in advance for your consideration.

Sincerely,

A handwritten signature in black ink that reads "S Gaspar".

Stefan Gaspar
Permitting Agent
Antero Resources Corporation

4030285

3/21/24

\$ 7,500.00

Enclosures

05/03/2024