



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, July 3, 2024
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for Lambert 1H
47-085-10518-00-00

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.

James A. Martin
Chief

Operator's Well Number: Lambert 1H
Farm Name: Nelson Mark Heyhurst
U.S. WELL NUMBER: 47-085-10518-00-00
Horizontal 6A New Drill
Date Modification Issued: 07/03/2024

Promoting a healthy environment.

07/05/2024

WW-6B
(04/15)

API NO. 47-085 - 10518
OPERATOR WELL NO. Lambert Unit 1H MOD
Well Pad Name: Olympus Pad

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

1) Well Operator: Antero Resources Corporation Operator ID: 494507062 County: 085 - Ritchie District: Clay Quadrangle: Ellenboro 7.5'

2) Operator's Well Number: Lambert Unit 1H MOD Well Pad Name: Olympus Pad

3) Farm Name/Surface Owner: Nelson Mark Hayhurst Public Road Access: Lamberton Rd

4) Elevation, current ground: 1025' - AS BUILT Elevation, proposed post-construction:

5) Well Type (a) Gas X Oil Underground Storage

Other (b) If Gas Shallow X Deep Horizontal X

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus Shale: 6700' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2850#

8) Proposed Total Vertical Depth: 6700' TVD

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 30200' MD

11) Proposed Horizontal Leg Length: 20291' *Open to modification at a later date

12) Approximate Fresh Water Strata Depths: 173', 230'

13) Method to Determine Fresh Water Depths: 47085011840000, 47085066360000 Offset well records. Depths have been adjusted according to surface elevations.

14) Approximate Saltwater Depths: 430'

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 X

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

RECEIVED
Office of Oil and Gas

JUN 28 2024

WV Department of
Environmental Protection

James Hill

6-24-24

WW-6B
(04/15)

API NO. 47- 085 - 10518
 OPERATOR WELL NO. Lambert Unit 1H MOD
 Well Pad Name: Olympus 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	J-55	94#	100'	100' ✓	CTS, 96 Cu. Ft. ✓
Fresh Water	13-3/8"	New	J-55	54.5#	300'	300' ✓	CTS, 313 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	3000'	3000' ✓	CTS, 1221 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P110-ICY	23#	30200'	30200' ✓	CTS, 6682 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			RECEIVED Office of Oil and Gas
Sizes:	N/A			JUN 28 2024
Depths Set:	N/A			WV Department of Environmental Protection

James Hill
6-24-24

WW-6B
(10/14)

API NO. 47-085 - 10518
OPERATOR WELL NO. Lambert Unit 1H MOD
Well Pad Name: Olympus 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): 18.11 acres

22) Area to be disturbed for well pad only, less access road (acres): 10.00 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

RECEIVED
Office of Oil and Gas

JUN 28 2024

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.

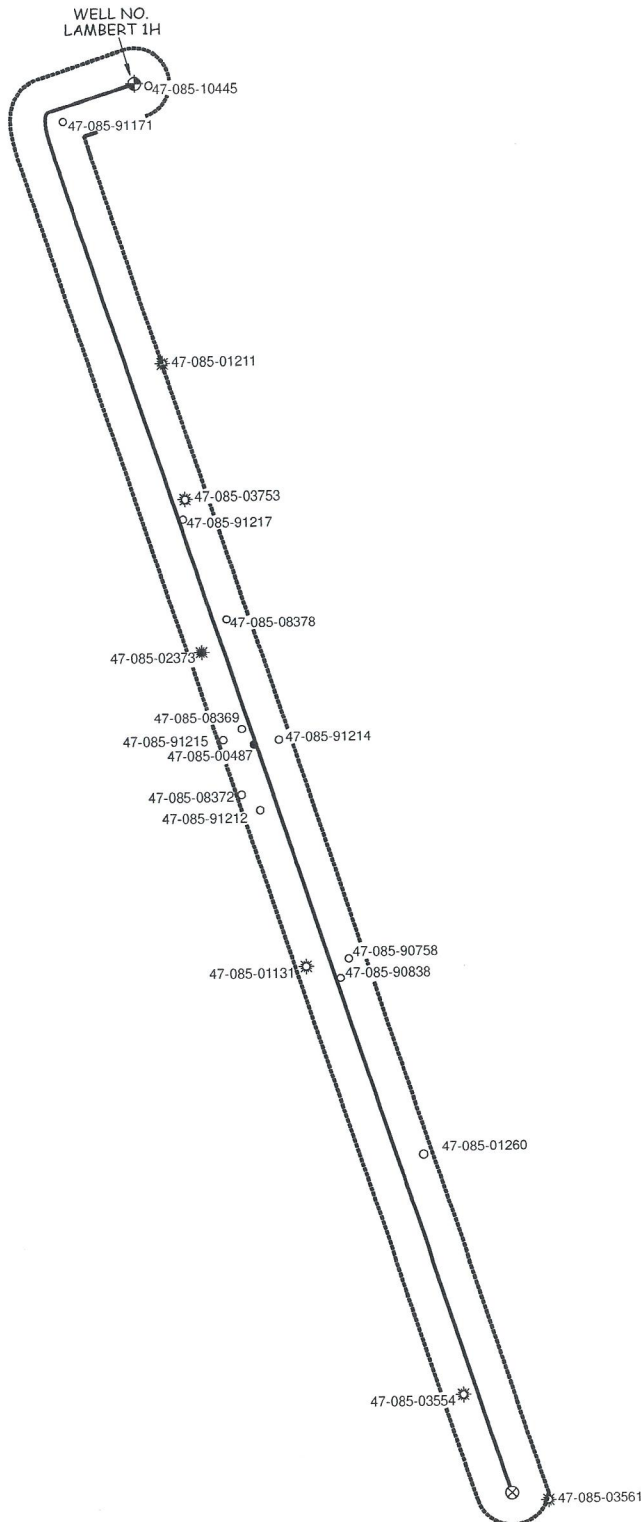
*Note: Attach additional sheets as needed.

Page 3 of 3

James Mac
6-24-24

07/05/2024

OLYMPUS PAD ANTERO RESOURCES CORPORATION



RECEIVED
Office of Oil and Gas
JUN 28 2024
WV Department of
Environmental Protection

WILLOW LAND SURVEYING, PLLC P.O. BOX 17, PENNSBORO, WV 26415 (304) 659-1717	JOB #: 23-030WA	SCALE : 1-INCH = 2000-FEET 0' 2000' 4000' 6000'
DATE: 06/04/24	DRAWN BY: D.L.P.	FILE: LAMBERT1HAOR.DWG

07/05/2024

UWI (API Num)	Well Name	Well Number	Operator	Historical Operator	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not perfd
47085104450000	OLYMPUS UNIT	5V	ANTERO RESOURCES CORP					
47085911710000	L L LAMBERT	4	LAMBERT L L	LAMBERT L L	2,020		Big Injun	Weir, Benson, Alexander, Gordon
47085012110000	FRANK BUMMER	1	DEEM J F OIL & GAS LLC	MURVIN OIL CO	1,925	1848 - 1898	Big Injun	Weir, Benson, Alexander, Gordon
47085037530000		22/C & L	CHARITY GAS INC	UNKNOWN			Big Injun	Weir, Benson, Alexander, Gordon
47085083780000	MCGINNIS	11	BIALEK OIL & GAS CORP	DOMINION OIL & GAS	2,202			Weir, Benson, Alexander, Gordon
47085023730000	J W MCGINNIS	13	UNKNOWN	UNKNOWN				Weir, Benson, Alexander, Gordon
47085083690000	MCGINNIS	8	CHALMERS OIL & GAS	CHALMERS OIL & GAS	1,914		Keener, Big Injun	Weir, Benson, Alexander, Gordon
47085912150000	MCGINNIS HEIRS	16	BIALEK OIL & GAS CORP	UNKNOWN				Weir, Benson, Alexander, Gordon
47085004870000	MCGINNIS	1	COLLINS C I	COLLINS C I	1,872			Weir, Benson, Alexander, Gordon
47085912120000	L J MORRIS	1	COLLINS C I	COLLINS C I				Weir, Benson, Alexander, Gordon
47085907580000		1	LUCAS WELL SERVICE INC	BLAUSER WELL SERVICE	1,878	1808 - 1866	Big Injun	Weir, Benson, Alexander, Gordon
47085908380000	EARL WILSON	5	LUCAS WELL SERVICE INC	BLAUSER WELL SERVICE	2,026	1876 - 1984	Big Injun	Weir, Benson, Alexander, Gordon
47085035540000	EARL WILSON	1	MILLER GEORGE W&ASSC	MILLER GEORGE W&ASSC	1,915			
47085012600000	E R MILLER							

RECEIVED
Office of Oil and Gas
JUN 28 2024
WV Department of
Environmental Protection

07/05/2024

LATITUDE 39°17'30" 2,264'

LATITUDE 39°15'00"

8,670' TO BOTTOM HOLE

2,482' LONGITUDE 81°00'00"

7,407' TO BOTTOM HOLE LONGITUDE 80°57'30"

Antero Resources Corporation Well No. Lambert #1H

NOTES:

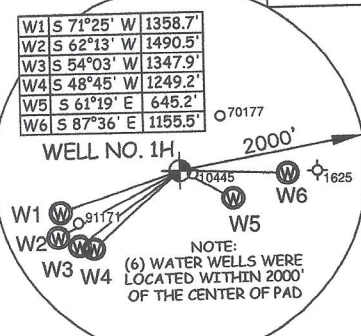
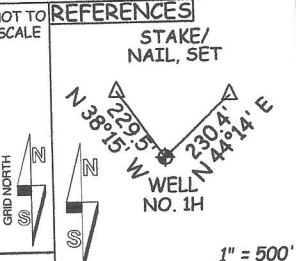
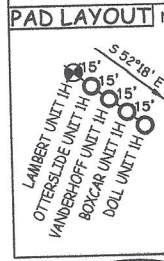
WELL 1H TOP HOLE INFORMATION:
 N: 289,442ft E: 1,573,167ft
 LAT: 39°17'05.47" LON: 81°00'28.79"

BOTTOM HOLE INFORMATION:
 N: 268,254ft E: 1,578,228ft
 LAT: 39°13'46.80" LON: 80°59'20.18"

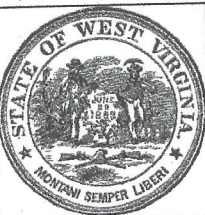
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 4,348,397m E: 499,325m
 BOTTOM HOLE INFORMATION:
 N: 4,342,272m E: 500,969m

(NAD) 27 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 14,265,652ft E: 1,638,154ft
 POINT OF ENTRY INFORMATION:
 N: 14,264,740ft E: 1,636,955ft
 BOTTOM HOLE INFORMATION:
 N: 14,245,559ft E: 1,643,549ft



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

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.

JOB # 23-030WA
 DRAWING # LAMBERT1HPR2
 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

DOUGLAS R. ROWE P.S. 2202

DATE 6/06/24

OPERATOR'S WELL# LAMBERT UNIT #1H

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL 47 - 085 - 10518
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW STATE COUNTY PERMIT
 LOCATION: ELEVATION AS BUILT - 1,025' WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE ELLENBORO 7.5' DISTRICT CLAY COUNTY 07/05/2024
 SURFACE OWNER NELSON MARK HAYHURST ACREAGE 9.65 ACRES +/-
 OIL & GAS ROYALTY OWNER EVELYN HAYHURST LEASE ACREAGE 9.65 ACRES±
 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 6,700' TVD 30,200' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT KEVIN ELLIS
 ADDRESS 1615 WYNKOOP ST. ADDRESS 535 WHITE OAKS BLVD
 DENVER, CO 80202 BRIDGEPORT, WV 26330

CLAY DISTRICT RITCHIE COUNTY

24-7	Tech Service Center
24-9	Richard Kelley
24-10	Nelson M. Hayhurst
24-25	Mark Spiker
24-25.1	Don Slawson
24-26.1	WVSR
24-34.2	Stonewall Property Holdings LLC
24-34	Craig Hogue
24-35	Richard Lambert
24-35.1	Mary Gibbs
24-35.2	Richard Lambert
24-35.3	Richard Lambert
24-47	Joey Shaffer
24-47.1	John Mirbach
24-47.2	Mark Jones
24-54	Charles Moore
24-55	Jack Vanderhoff
24-55.5	Timothy Mahaney
29-5	The Nature Conservancy
29-16	Terry Bunner
29-24	Sandra Bradford
29-24.1	Steven Davis
29-28	Sarah Riddle
29-37	Sheila Mayo
29-39	Sheila Mayo
29-40	Amos Bunner
29-41	Betsy Thomson
29-42	Nathan Ayers
29-43	Sheila Ross
29-44	Sheila Mayo
29-45	Charles Sherman
29-46	Robert Pratt
29-59	Amos Bunner
29-60	Amos Bunner
29-61	Harry Kipe
29-61.1	Stephen Marshall
29-62	William Goff
29-64	Joseph Vanease
29-65	James Dunlap
29-66	James Dunlap
30-19	David Riddle
30-31	David Riddle
30-32	Earl Riddle
30-33	Bear Knob Holdings LLC
35-1	Gary Grobaski
35-2	Debra Davis
35-7	Delores Schamberger
35-13	Philip Riggs
35-14	Darren Dodd
35-30	Chad Johnson
35-31	Max Dodd

LESSOR

A	DAVID LEE REYMOND
B	ANTERO MINERALS, LLC.
C	WEST VIRGINIA DIVISION OF MULTIMODAL TRANSPORTATION FACILITIES
D	MILDRED MAY LAMBERT
E1	J.C. HOGUE ET AL
E2	J.C. HOGUE ET AL
F	LAURA M. ULAM
G	WILLIAM MOORE AND MELVINA MOORE
H	GERALD V. WILSON
I1	THE NATURE CONSERVANCY
I2	SHELIA ROSS COX
I3	CHAD W. JOHNSON
J	BOBBY J. BUNNER
K	ET BLUE GRASS, LLC.
L	ANTERO MINERALS, LLC.
M	JUDITH A. BEARY
N	KEVIN A. RIDDLE
O	JUDITH ANN BEARY
P	JUDITH ANN BEARY
Q	PATHFINDER RESOURCES IV, LLC
R	WAYNE DOUGLAS STEWART
S	BURL DODD, ET AL
T	EVELYN HAYHURST
U	JAMES E. RAINES, ET AL
V	JAMES MERCER
W	NEAL COLLINS

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
T: Evelyn Hayhurst Lease Evelyn Hayhurst Antero Resources Appalachian Corporation	Antero Resources Appalachian Corporation Antero Resources Corporation	1/8+ Name Change	0260/0279 0015/0705
B: Antero Minerals, LLC Lease Antero Minerals, LLC	Antero Resources Corporation	1/8+	0337/0050
C: West Virginia Division of Multimodal Transportation Facilities Lease West Virginia Division of Multimodal Transportation Facilities	Antero Resources Corporation	1/8+	0287/0001
B: Antero Minerals, LLC Lease Antero Minerals, LLC	Antero Resources Corporation	1/8+	0337/0050
D: Mildred May Lambert Lease Mildred May Lambert Alan Gabe Oil Development Co. GasSearch Corporation Linn Energy Holdings, LLC XTO Energy, Inc.	Alan Gabe Oil Development Co. GasSearch Corporation Linn Energy Holdings, LLC XTO Energy, Inc. Antero Resources Corporation	1/8+ Assignment Assignment Assignment Assignment	0157/0769 0207/0628 0239/0118 0246/0814 0295/0836
E1: J.C. Hogue Et Al Lease J.C. Hogue Et Al Claude C. Cottrille Eula M., Guy C., Claudette B., and Phillip A. Cottrille J.A. & M. Oil and Gas Company Charity Gas, Inc.	Claude C. Cottrille Eula M., Guy C., Claudette B., and Phillip A. Cottrille J.A. & M. Oil and Gas Company Charity Gas, Inc. Antero Resources Corporation	1/8 Will Assignment Assignment Assignment	0083/0390 0018/0820 0196/0430 0016/0052 0308/0033
D: Mildred May Lambert Lease Mildred May Lambert Alan Gabe Oil Development Co. GasSearch Corporation Linn Energy Holdings, LLC XTO Energy, Inc.	Alan Gabe Oil Development Co. GasSearch Corporation Linn Energy Holdings, LLC XTO Energy, Inc. Antero Resources Corporation	1/8+ Assignment Assignment Assignment Assignment	0157/0769 0207/0628 0239/0118 0246/0814 0295/0836
F: Laura M. Ulam Lease Laura M. Ulam	Antero Resources Corporation	1/8+	0317/0635

RECEIVED
Office of Oil and Gas

JUN 28 2024

WV Department of
Environmental Protection

07/05/2024

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
G: William Moore and Melvina Moore Lease William Moore and Melvina Moore Pittsburgh & West Virginia Gas Company A.W. Barnhart Robert E. Elder H.G. Hardbarger W.H. Mossor Mossor Enterprises, Inc. J. Frank Deem CHK Louisiana, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	Pittsburgh & West Virginia Gas Company A.W. Barnhart Robert E. Elder H.G. Hardbarger W.H. Mossor Mossor Enterprises, Inc. J. Frank Deem CHK Louisiana, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Antero Resources Corporation	1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment	0045/0163 0046/0329 0046/0592 0083/0248 0101/0578 0133/0403 0201/0163 0247/0624 0247/0933 0280/0707 Pooled Tract
H: Gerald V. Wilson Lease Gerald V. Wilson	Antero Resources Corporation	1/8+	0339/0007
I1: The Nature Conservancy Lease The Nature Conservancy	Antero Resources Corporation	Assignment	Pooled Tract
I2: Shelia Ross Cox Lease Shelia Ross Cox	Antero Resources Corporation	1/8+	0318/0733
I1: The Nature Conservancy The Nature Conservancy	Antero Resources Corporation	Assignment	Pooled Tract
I3: Chad W. Johnson Lease Chad W. Johnson	Antero Resources Corporation	1/8+	0346/0120
J: Bobby J. Bunner Lease Bobby J. Bunner	Antero Resources Corporation	1/8+	0338/0990
K: ET Blue Grass, LLC. Lease ET Blue Grass, LLC.	Antero Resources Corporation	1/8+	0343/0564
M: Judith A. Beary Lease Judith A. Beary	Antero Resources Corporation	1/8+	0340/0260
N: Kevin A. Riddle Lease Kevin A. Riddle	Antero Resources Corporation	1/8+	0341/0229
O: Judith Ann Beary Lease Judith Ann Beary	Antero Resources Corporation	1/8+	0340/0441
P: Judith Ann Beary Lease Judith Ann Beary	Antero Resources Corporation	1/8+	0338/0402
Q: Pathfinder Resources IV, LLC Lease Pathfinder Resources IV, LLC SEP Exploration, LLC	SEP Exploration, LLC Antero Resources Corporation	1/8+ Agreement	0344/0739 0345/0533

RECEIVED
Office of Oil and Gas
JUN 28 2024
WV Department of
Environmental Protection

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>R: Wayne Douglas Stewart Lease</u> Wayne Douglas Stewart	Antero Resources Corporation	1/8+	0337/0680
<u>Q: Pathfinder Resources IV, LLC Lease</u> Pathfinder Resources IV, LLC SEP Exploration, LLC	SEP Exploration, LLC Antero Resources Corporation	1/8+ Agreement	0344/0739 0345/0533

*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.

RECEIVED
Office of Oil and Gas
JUN 28 2024
WV Department of
Environmental Protection

**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>S: Burl Dodd, Et Al Lease</u>	Burl Dodd, Et Al Dennis D. Blausner Thomas H. Burrows Cedar Petroleum Donald V. Belatini Blausner Energy Corporation	Dennis D. Blausner Thomas H. Burrows Cedar Petroleum Donald V. Belatini Blausner Energy Corporation Antero Resources Corporation	1/8 Assignment Assignment Affidavit Assignment Assignment	0118/0318 0118/0792 0118/0790 0265/0645 0169/0352 0265/0648

*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

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

RECEIVED
Office of Oil and Gas
JUN 28 2024
WV Department of
Environmental Protection



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

June 19, 2024

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

ck# 4632244
6/4/24
\$7,500.00

Mr. Brewer:

Antero Resources Corporation (Antero) would like to submit the following permit modification for approved well on the existing Olympus Pad: Lambert Unit 1H (47-085-10518) Expedited.

Attached you will find the following:

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

RECEIVED
Office Of Oil and Gas
JUN 21 2024

RECEIVED
Office Of Oil and Gas
JUN 21 2024
WV Department of Environmental Protection

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

Thank you in advance for your consideration.

Sincerely,

Stefan Gaspar
Permitting Agent
Antero Resources Corporation

Enclosures

07/05/2024