



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, August 25, 2025
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for Craftsman Unit 1H
47-103-03736-00-00

Extended 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 blue ink signature of James A. Martin, written in a cursive style.

James A. Martin
Chief

Operator's Well Number: Craftsman Unit 1H
Farm Name: Dallison Lumber Company Inc.
U.S. WELL NUMBER: 47-103-03736-00-00
Horizontal 6A New Drill
Date Modification Issued: 8/25/2025

Promoting a healthy environment.

08/29/2025

WW-6B
(04/15)

API NO. 47- 103 - 03736

OPERATOR WELL NO. Craftsman Unit 1H MOD

Well Pad Name: Galmish 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 Pine Grove 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: Craftsman Unit 1H MOD Well Pad Name: Galmish Pad

3) Farm Name/Surface Owner: Dallison Lumber Company Inc. Public Road Access: McKimmie Ridge Road

4) Elevation, current ground: As-Built 1160' 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: 7600' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2850#

8) Proposed Total Vertical Depth: 7600' TVD

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 29300' MD

11) Proposed Horizontal Leg Length: 19179' *Open to modification at a later date

12) Approximate Fresh Water Strata Depths: 45', 130'

13) Method to Determine Fresh Water Depths: 47103025550000 Offset well records. Depths have been adjusted according to surface elevations.

14) Approximate Saltwater Depths: 1961'

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 & Gas

AUG 07 2025

WV Department of
Environmental Protection

Stephen
Mccoy

08/08/2025
Page 1 of 1
Signed By Stephen
Mccoy
Date: 2025.08.01 11:21:12
-04'00'

WW-6B
(04/15)

API NO. 47- 103 - 03736
OPERATOR WELL NO. Craftsman Unit 1H MOD
Well Pad Name: Galmish 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#	3200'	3200'	CTS, 1303 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P110-ICV	23#	29300'	29300'	CTS, 6455 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			

RECEIVED
Office of Oil & Gas

AUG 07 2025

WV Department of
Environmental Protection

Stephen
Mccoy

Page 2 of 3
08/29/2025
Digital signed by
Stephen Mccoy
Date: 2025.08.01 11:21:22
-04'00'

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

RECEIVED
Office of Oil & Gas

AUG 07 2025

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 64.40 acres

22) Area to be disturbed for well pad only, less access road (acres): 17.53 acres

WV Department of
Environmental Protection

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.

RECEIVED
Office of Oil & Gas

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

Department of
Environmental Protection

AUG 07 2025

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.

UWI (APINum)	Well Name	Well Number	Operator	Historical Operator	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not perf'd
47103036480000	Pine Unit	1H	ANTERO RESOURCES CORP		22,384	7463 - 22294	Marcellus	
47103036490000	Pine Unit	2H	ANTERO RESOURCES CORP		21,913	7376 - 21834	Marcellus	
47103036500000	Walshin 1H	1H	ANTERO RESOURCES CORP		23,312	7701 - 23223	Marcellus	
47103036540000	Harlan Unit	1H	ANTERO RESOURCES CORP		22,565	7384 - 22485	Marcellus	
47103036550000	Harlan Unit	2H	ANTERO RESOURCES CORP		25,170	7571 - 25081	Marcellus	
47103036560000	L S LEEZER 1	8177	WEST VIRGINIA LAND	WEST VIRGINIA LAND	1,460			Weir, Benson, Alexander
47103036570000	Cobb Unit	1H	ANTERO RESOURCES CORP		26,908	8049 - 26819	Marcellus	
47103036580000	Shenango Unit	1H	ANTERO RESOURCES CORP		25,182	7939 - 25102	Marcellus	
47103036590000	Teocalli Unit	1H	ANTERO RESOURCES CORP		25,393	7647 - 25313	Marcellus	
47103035430000	Galmish	5V	ANTERO RESOURCES CORP					
47103305910000	C E GRIM 1	5235	UNKNOWN	UNKNOWN	2,896		Big Injun, Gordon	Weir, Benson, Alexander
47103755920000								
47103725910000	SARAH M ROBINSON	1688	UNKNOWN	UNKNOWN				
47103306700000	B F HEADLEY	1	UNKNOWN	UNKNOWN	3,071		Big Injun, Gordon	Weir, Benson, Alexander
47103003330000	JOHN LONG 2-E	1626	CARNEGIE NATURAL GAS	CARNEGIE NATURAL GAS	1,912	1855 - 1855	Big Injun, Gordon Stray	Weir, Benson, Alexander

RECEIVED
 Office of Oil & Gas
 AUG 07 2025
 WV Department of
 Environmental Protection

RECEIVED
 Office of Oil & Gas
 AUG 07 2025
 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
AH: Robert Barry Myers, Jr. Lease Robert Barry Myers, Jr.	Antero Resources Corporation	1/8+	300A/0634
AI: Freeda Marie Brown Lease Freeda Marie Brown	Antero Resources Corporation	1/8+	308A/0508
AF: Clarice Ann Brown LeMasters Lease Clarice Ann Brown LeMasters	Antero Resources Corporation	1/8+	308A/0488
AE: Chesapeake Appalachia, LLC Lease Chesapeake Appalachia, LLC SWN Production Company, LLC Antero Exchange Properties, LLC	SWN Production Company, LLC Antero Exchange Properties, LLC Antero Resources Corporation	1/8 Assignment Merger	157A/0640 177A/0533 0013/0311
AD: Shiben Estates, Inc. Lease Shiben Estates, Inc. EQT Production Company	EQT Production Company Antero Resources Corporation	1/8 Assignment	277A/0551 385A/0323
Z: Shiben Estates, Inc. Lease Shiben Estates, Inc. EQT Production Company	EQT Production Company Antero Resources Corporation	1/8 Assignment	277A/0551 385A/0323
AA: Clay D.C. Dallison and Cody Duane Dallison Lease Clay D.C. Dallison and Cody Duane Dallison	Antero Resources Corporation	1/8+	309A/0429
AB: Cooper Cain Lease Cooper Cain	Antero Resources Corporation	1/8+	364A/0572
AC: Stephen H. Stocker Lease Stephen H. Stocker	Antero Resources Corporation	1/8+	376A/0864
Y: Drilling Appalachian Corporation Drilling Appalachian Corporation	Antero Resources Corporation	1/8+	291A/0005
X: Mary B. Mason Lease Mary B. Mason	Antero Resources Corporation	1/8+	298A/0493
V: Karen B. Mason Lease Karen B. Mason	Antero Resources Corporation	1/8+	277A/0007
U: Terry Lee Cummings Lease Terry Lee Cummings	Antero Resources Corporation	1/8+	328A/0283
T: Bounty Minerals, LLC Lease Bounty Minerals, LLC	Antero Resources Corporation	1/8+	296A/0329
S: The Donely O. Springer Rev. Living Trust Lease The Donely O. Springer Rev. Living Trust	Antero Resources Corporation	1/8+	302A/0286

RECEIVED
Office of Oil & Gas

AUG 07 2025

WV Department of
Environmental Protection

08/29/2025

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: The 5 K's Future, LLC Lease</u> The 5 K's Future, LLC	Antero Resources Corporation	1/8+	327A/0141
<u>P: Master Mineral Holdings II, LP Lease</u> Master Mineral Holdings II, LP SEP Appalachia, LLC	SEP Appalachia, LLC Antero Resources Corporation	1/8+ Agreement	385A/0229 418A/0169
<u>M: Redstone Resources, LLC Lease</u> Redstone Resources, LLC	Antero Resources Corporation	1/8+	219A/0455
<u>N: John M. Howell, By AIF Billy G. Howell, Sr. Lease</u> John M. Howell, By AIF Billy G. Howell, Sr.	Antero Resources Corporation	1/8+	290A/0186
<u>L: Debra Carol Miller Lease</u> Debra Carol Miller TH Exploration	TH Exploration Antero Resources Corporation	1/8+ Assignment	195A/0327 254A/0933
<u>K: Debra Carol Miller Lease</u> Debra Carol Miller TH Exploration	TH Exploration Antero Resources Corporation	1/8+ Assignment	195A/0327 254A/0933
<u>J: Lea Marie Vigil, JTWROS With Sheri Margaret Fortune Lease</u> Lea Marie Vigil, JTWROS With Sheri Margaret Fortune	Antero Resources Corporation	1/8+	317A/0663
<u>G: BRC Appalachian Minerals I, LLC Lease</u> BRC Appalachian Minerals I, LLC BRC Working Interest Company Chesapeake Appalachia LLC SWN Production Company Antero Exchange Properties LLC	BRC Working Interest Company Chesapeake Appalachia LLC SWN Production Company Antero Exchange Properties LLC Antero Resources Corporation	1/8 Assignment Assignment Assignment Merge	102A/0505 103A/0470 157A/0540 177A/0533 0013/0311
<u>E: Lawrence E. Shade and Cheryl L. Shade Lease</u> Lawrence E. Shade and Cheryl L. Shade	Antero Resources Corporation	1/8+	336A/0866
<u>C: James Howard Greathouse II and Jessica Nicole Greathouse, JTROS Lease</u> James Howard Greathouse II and Jessica Nicole Greathouse, JTROS	Antero Resources Corporation	1/8+	347A/0137

RECEIVED
Office of Oil & Gas

AUG 07 2025

WV Department of
Environmental Protection

*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.

08/29/2025

**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
A: Glenda M. Mason and Wells Junior Mason Lease				
	Glenda M. Mason and Wells Junior Mason	Central Michigan Exploration, LLC	1/8	092A/0770
	Central Michigan Exploration, LLC	Stone Energy Corporation	Assignment	100A/0185
	Stone Energy Corporation	EQT Production Company	Assignment	183A/0305
	EQT Production Company	Antero Resources Corporation	Assignment	385A/0323

*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

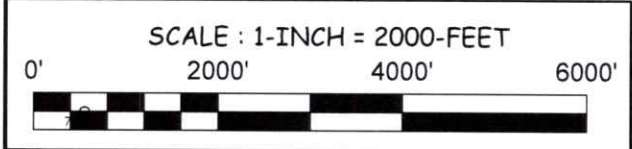
By: Tim Rady

Its: Senior Vice President of Land

RECEIVED
Office of Oil & Gas
AUG 07 2025
WV Department of
Environmental Protection

4043920
8/5/25
\$7,500.00

GALMISH PAD ANTERO RESOURCES CORPORATION



RECEIVED
Office of Oil & Gas
AUG 07 2025

WV Department of
Environmental Protection

RECEIVED
Office of Oil & Gas
AUG 07 2025
WV Department of
Environmental Protection

47-103-00333

47-103-72591

47-103-30670

47-103-72592

47-103-03543

47-103-30591

WELL NO.
CRAFTSMAN 1H

- 47-103-03648
- 47-103-03649
- 47-103-03650
- 47-103-03651
- 47-103-03652
- 47-103-03653
- 47-103-03654
- 47-103-03655

JOB #: 25-007WA

FILE: CRAFTSMAN1HAOR.DWG

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

DATE: 06/12/25

DRAWN BY: T.B.S.

08/29/2025

LATITUDE 39°35'00"

8,291'

LATITUDE 39°40'00" 4,496' TO BOTTOM HOLE

LONGITUDE 80°40'00"

14,622' TO BOTTOM HOLE

LONGITUDE 80°42'30"

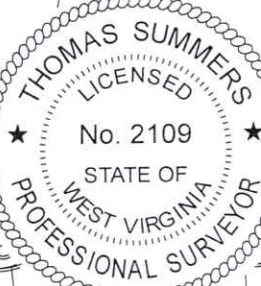
COUNTY NAME PERMIT

Antero Resources
Corporation
Well No. Craftsman #1H

Green District - Wetzel County	
4-1	Jessie Thompson
4-2	Jessie Thompson
4-4	Brandon Day Revocable Trust
4-5	Rick & Cathy Doty
4-5.1	Rick & Cathy Doty
4-13	Rick & Cathy Doty
4-14	Debra Miller
4-15	George & John Mason
4-21	Debra Miller
4-22	David Anderson Et Al
4-31	Richard Hornbeck
4-33	John Howell
4-34	Hazel Howell Est
4-35	Debra Miller
4-44	Richard Hornbeck
4-46	Debra Miller
9-7	Richard Hornbeck
9-7.1	Francis Springer
9-8	Donley O Springer Revocable Living Trust
9-21	Lawrence Mason
9-22	Karen Mason
9-22.2	Lawrence Mason
9-33	Thomas Rogers & Eliot Stearns
9-44	Karen Mason
9-52	WSD Properties LLC
9-53	Dallison Lumber Company Inc.
9-55	Antero Midstream LLC
9-61	Jason & Tamara Vandyne
14-4	Harry & Sharon Burton
14-5	Donald & Myrna Mason
14-5.1	Antero Midstream LLC
14-6	Antero Midstream LLC
14-7	James C. Adams Et Al
14-8	James C. Adams Et Al
14-9	Dallison Lumber Company Inc.
14-10	Sandra Fortney
14-10.1	Sandra Fortney
14-12	Freda Brown
14-17	James C. Adams Et Al
19-26	Donna Greathouse
19-36	Delmer & Shirley Greathouse
20-15	James & Mary Greathouse
20-30	James & Mary Greathouse
20-31	James & Mary Greathouse
20-38	Frank & Jessie Thompson

WELL 1H
BOTTOM HOLE

1H TOP HOLE



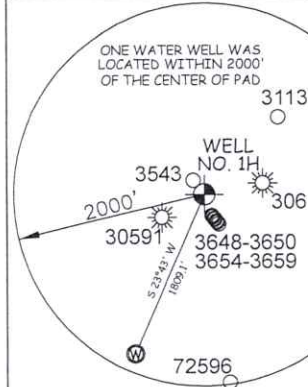
(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 14,372,551ft E: 1,726,054ft
POINT OF ENTRY INFORMATION:
N: 14,372,079ft E: 1,724,391ft
BOTTOM HOLE INFORMATION:
N: 14,390,172ft E: 1,718,049ft

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 394,895ft E: 1,662,871ft
LAT: 39°34'41.00" LON: 80°41'45.88"
BOTTOM HOLE INFORMATION:
N: 412,654ft E: 1,655,159ft
LAT: 39°37'35.48" LON: 80°43'27.46"
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: 4,380,980m E: 526,117m
BOTTOM HOLE INFORMATION:
N: 4,386,351m E: 523,678m

LESSOR

A	GLENDIA M. MASON AND WELLS JUNIOR MASON
B	JAMES A. GREATHOUSE AND DONNA L. GREATHOUSE
C	JAMES HOWARD GREATHOUSE II AND JESSICA NICOLE GREATHOUSE, JTROS
D	JOHN OSBORN FURBEE
E	LAWRENCE E. SHADE AND CHERYL L. SHADE
F	JESSIE A. THOMPSON
G	BRC APPALACHINA MINERALS I, LLC.
H	SW2 MINERALS, LLC.
I	RICK A. DOTY AND CATHY DOTY
J	LEA MARIE VIGIL, ITWROS WITH SHERI MARGARET FORTUNE
K	DEBRA CAROL MILLER
L	DEBRA CAROL MILLER
M	REDSTONE RESOURCES, LLC.
N	JOHN M. HOWELL, BY AIF BILLY G. HOWELL, SR.
O	TRACY L. YOHO
P	MASTER MINERAL HOLDINGS II, LP.
Q	RICHARD D. HORNBECK AND CLARISSA J. HORNBECK
R	THE 5 K'S FUTURE, LLC.
S	THE DONLEY O. SPRINGER REV. LIVING TRUST
T	BOUNTY MINERALS, LLC.
U	TERRY LEE CUMMINGS
V	KAREN B. MASON
W	ANTERO MINERALS, LLC.
X	MARY B. MASON
Y	DRILLING APPALACHIAN CORPORATION
Z	SHIBEN ESTATES, INC.
AA	CLAY D.C. DALLISON AND CODY DUANE DALLISON
AB	COOPER CAIN
AC	STEPHEN H. STOCKER
AD	SHIBEN ESTATES, INC.
AE	CHESAPEAKE APPALACHIA, LLC.
AF	CLARICE ANN BROWN LEMASTERS
AG	BOUNTY MINERALS
AH	ROBERT BARRY MYERS, JR.
AI	FREEDA MARIE BROWN



PAD LAYOUT

NOT TO SCALE

ANGLO UNIT 1H

CRAFTSMAN UNIT 1H

SPRINGER UNIT 1H

BUCHER UNIT 1H

QUAY UNIT 1H

QUAY UNIT 2H

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 # 25-007WA

DRAWING # CRAFTSMAN1HR

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 6/12/25

OPERATOR'S WELL# CRAFTSMAN UNIT #1H

47 — 103 — 03736

STATE COUNTY PERMIT

WELL TYPE: OIL GAS ☒ LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION ☒ STORAGE DEEP SHALLOW ☒

LOCATION: ELEVATION AS BUILT - 1,160.0' WATERSHED FISHING CREEK
QUADRANGLE PINE GROVE 7.5' DISTRICT GREEN COUNTY WETZEL

SURFACE OWNER DALLISON LUMBER COMPANY INC. ACREAGE 25 ACRES +/-

OIL & GAS ROYALTY OWNER ROBERT BARRY MYERS, JR. LEASE ACREAGE 25 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 7,600' TVD 29,300' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CONRAD BASTON

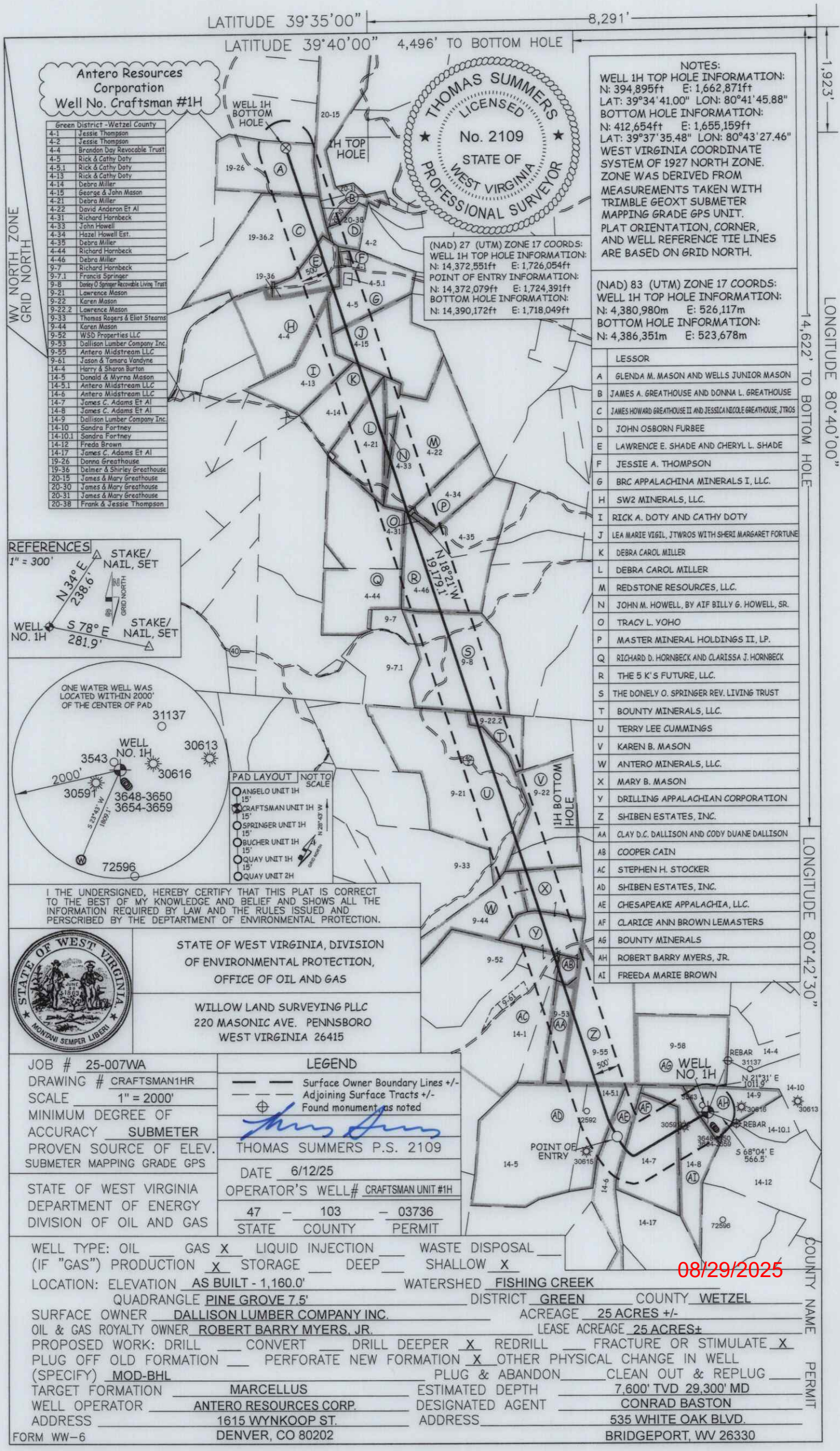
ADDRESS 1615 WYNKOOP ST. ADDRESS 535 WHITE OAK BLVD.

FORM WW-6

DENVER, CO 80202

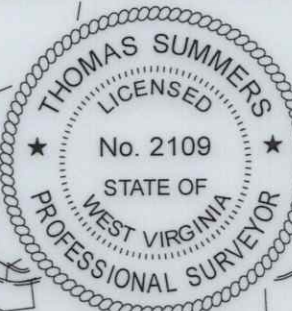
BRIDGEPORT, WV 26330

08/29/2025



Antero Resources Corporation
Well No. Craftsman #1H

Green District - Wetzel County	
4-1	Jessie Thompson
4-2	Jessie Thompson
4-4	Brandon Day Revocable Trust
4-5	Rick & Cathy Doty
4-5.1	Rick & Cathy Doty
4-13	Rick & Cathy Doty
4-14	Debra Miller
4-15	George & John Mason
4-21	Debra Miller
4-22	David Anderson Et Al
4-31	Richard Hornbeck
4-33	John Howell
4-34	Hazel Howell Est.
4-35	Debra Miller
4-44	Richard Hornbeck
4-46	Debra Miller
9-7	Richard Hornbeck
9-7.1	Francis Springer
9-8	Dorley O Springer Revocable Living Trust
9-21	Lawrence Mason
9-22	Karen Mason
9-22.2	Lawrence Mason
9-33	Thomas Rogers & Eliot Stearns
9-44	Karen Mason
9-52	WSD Properties LLC
9-53	Dallison Lumber Company Inc.
9-55	Antero Midstream LLC
9-61	Jason & Tamara Vandyne
14-4	Harry & Sharon Burton
14-5	Donald & Myrna Mason
14-5.1	Antero Midstream LLC
14-6	Antero Midstream LLC
14-7	James C. Adams Et Al
14-8	James C. Adams Et Al
14-9	Dallison Lumber Company Inc.
14-10	Sandra Fortney
14-10.1	Sandra Fortney
14-12	Freda Brown
14-17	James C. Adams Et Al
19-26	Danna Greathouse
19-36	Delmer & Shirley Greathouse
20-15	James & Mary Greathouse
20-30	James & Mary Greathouse
20-31	James & Mary Greathouse
20-38	Frank & Jessie Thompson

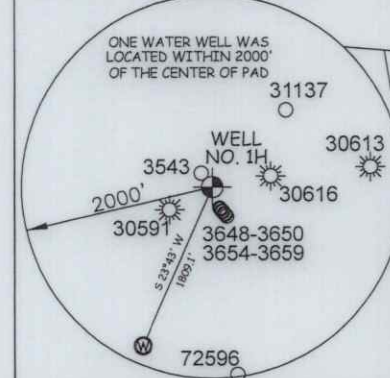
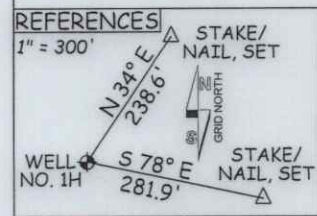


NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 394,895ft E: 1,662,871ft
LAT: 39°34'41.00" LON: 80°41'45.88"
BOTTOM HOLE INFORMATION:
N: 412,654ft E: 1,655,159ft
LAT: 39°37'35.48" LON: 80°43'27.46"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 14,372,551ft E: 1,726,054ft
POINT OF ENTRY INFORMATION:
N: 14,372,079ft E: 1,724,391ft
BOTTOM HOLE INFORMATION:
N: 14,390,172ft E: 1,718,049ft

(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 4,380,980m E: 526,117m
BOTTOM HOLE INFORMATION:
N: 4,386,351m E: 523,678m

LESSOR	
A	GLENDIA M. MASON AND WELLS JUNIOR MASON
B	JAMES A. GREATHOUSE AND DONNA L. GREATHOUSE
C	JAMES HOWARD GREATHOUSE II AND JESSICA NICOLE GREATHOUSE, JTROS
D	JOHN OSBORN FURBEE
E	LAWRENCE E. SHADE AND CHERYL L. SHADE
F	JESSIE A. THOMPSON
G	BRC APPALACHINA MINERALS I, LLC.
H	SW2 MINERALS, LLC.
I	RICK A. DOTY AND CATHY DOTY
J	LEA MARIE VIGIL, JTROS WITH SHERI MARGARET FORTUNE
K	DEBRA CAROL MILLER
L	DEBRA CAROL MILLER
M	REDSTONE RESOURCES, LLC.
N	JOHN M. HOWELL, BY AIF BILLY G. HOWELL, SR.
O	TRACY L. YOHO
P	MASTER MINERAL HOLDINGS II, LP.
Q	RICHARD D. HORNBECK AND CLARISSA J. HORNBECK
R	THE 5 K'S FUTURE, LLC.
S	THE DONLEY O. SPRINGER REV. LIVING TRUST
T	BOUNTY MINERALS, LLC.
U	TERRY LEE CUMMINGS
V	KAREN B. MASON
W	ANTERO MINERALS, LLC.
X	MARY B. MASON
Y	DRILLING APPALACHIAN CORPORATION
Z	SHIBEN ESTATES, INC.
AA	CLAY D.C. DALLISON AND CODY DUANE DALLISON
AB	COOPER CAIN
AC	STEPHEN H. STOCKER
AD	SHIBEN ESTATES, INC.
AE	CHESAPEAKE APPALACHIA, LLC.
AF	CLARICE ANN BROWN LEMASTERS
AG	BOUNTY MINERALS
AH	ROBERT BARRY MYERS, JR.
AI	FREEDA MARIE BROWN



- PAD LAYOUT NOT TO SCALE
- ANGULO UNIT 1H
 - CRAFTSMAN UNIT 1H
 - SPRINGER UNIT 1H
 - BUCHER UNIT 1H
 - QUAY UNIT 1H
 - QUAY UNIT 2H

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 PRESCRIBED 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 # 25-007WA
DRAWING # CRAFTSMAN1HR
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 6/12/25

OPERATOR'S WELL# CRAFTSMAN UNIT #1H

47 - 103 - 03736
STATE COUNTY PERMIT

WELL TYPE: OIL ☐ GAS ☒ LIQUID INJECTION ☐ WASTE DISPOSAL ☐
(IF "GAS") PRODUCTION ☒ STORAGE ☐ DEEP ☐ SHALLOW ☒
LOCATION: ELEVATION AS BUILT - 1,160.0' WATERSHED FISHING CREEK
QUADRANGLE PINE GROVE 7.5' DISTRICT GREEN COUNTY WETZEL
SURFACE OWNER DALLISON LUMBER COMPANY INC. ACREAGE 25 ACRES +/-
OIL & GAS ROYALTY OWNER ROBERT BARRY MYERS, JR. LEASE ACREAGE 25 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 7,600' TVD 29,300' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CONRAD BASTON
ADDRESS 1615 WYNKOOP ST. ADDRESS 535 WHITE OAK BLVD.
FORM WW-6 DENVER, CO 80202 BRIDGEPORT, WV 26330

08/29/2025

COUNTY NAME PERMIT