



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, April 16, 2025
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for Driftwood Unit 1H
47-095-02907-00-00

Lateral Extension add Leases

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: Driftwood Unit 1H
Farm Name: Antero Resources Corporation
U.S. WELL NUMBER: 47-095-02907-00-00
Horizontal 6A New Drill
Date Modification Issued: 04/16/2025

Promoting a healthy environment.

04/18/2025

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

- 1) Well Operator: Antero Resources Corporation 494507062 095 - Tyler Lincoln Paden City ✓
Operator ID County District Quadrangle
- 2) Operator's Well Number: Driftwood Unit 1H MOD Well Pad Name: Mayfield Pad
- 3) Farm Name/Surface Owner: Antero Resources Corporation Public Road Access: Veterans Hwy
- 4) Elevation, current ground: 874' Elevation, proposed post-construction: 864'
- 5) Well Type (a) Gas X Oil _____ Underground Storage _____
Other _____
(b) If Gas Shallow X Deep _____
Horizontal X
- 6) Existing Pad: Yes or No No
- 7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus Shale: 6600' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2800#
- 8) Proposed Total Vertical Depth: 6600' TVD ✓
- 9) Formation at Total Vertical Depth: Marcellus ✓
- 10) Proposed Total Measured Depth: 23000' MD ✓
- 11) Proposed Horizontal Leg Length: 13695.6' ✓
- 12) Approximate Fresh Water Strata Depths: 384'
- 13) Method to Determine Fresh Water Depths: 47-095-00277
- 14) Approximate Saltwater Depths: 1736'
- 15) Approximate Coal Seam Depths: None
- 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: _____
- CK # 4038285
7500
2/6/2025

WW-6B
(04/15)

API NO. 47- 095 - 02907

OPERATOR WELL NO. Driftwood Unit 1H MOD

Well Pad Name: Mayfield 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#	100	100 /	CTS, 96 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	434	434 /	CTS, 452 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	2500	2500 /	CTS, 1018 Cu. Ft. /
Intermediate							
Production	5-1/2"	New	P-110	23#	23000	23000 /	4868 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"	0.438"	1530	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"	12,630	2500	Low-H/POZ & Top - H	H/POZ-1.44 & H-1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

PACKERS

Kind:	N/A			RECEIVED Office of Oil and Gas APR 02 2025
Sizes:	N/A			WV Department of Environmental Protection
Depths Set:	N/A			

WW-6B
(10/14)

API NO. 47- 095 - 02907
OPERATOR WELL NO. Driftwood Unit 1H MOD
Well Pad Name: Mayfield Pad

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

Drill, perforate, fracture a new shallow well and complete Marcellus Shale.

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WV Department of
Environmental Protection

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): 18.77 acres

22) Area to be disturbed for well pad only, less access road (acres): 7.98 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 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.

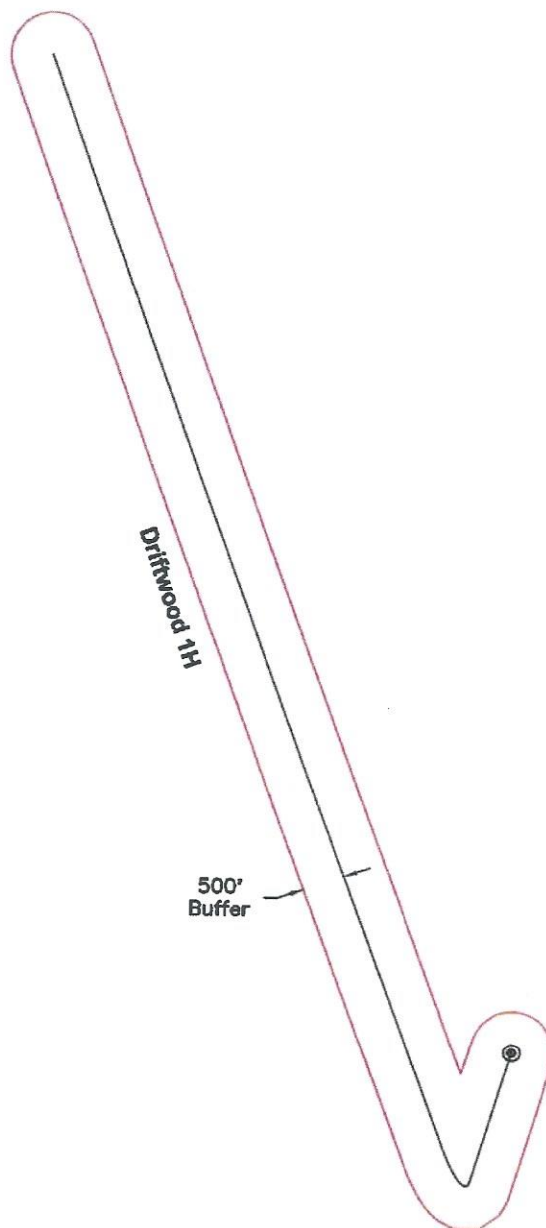
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04/18/2025
3/21/25

LEGEND

- Proposed gas well
- ⊗ Existing Well, as noted
- ⊗ Digitized Well, as noted



The orientation of this survey is Grid North, and its coordinate base is the West Virginia Coordinate System of 1927, North Zone



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Office of Oil and Gas

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WV Department of
Environmental Protection



Bridgeport Office
Phone: (304) 848-5035
Fax: (304) 848-5037

172 Thompson Drive
Bridgeport, WV 26330

PARTY CHIEF: C. Lynch

DRAWN BY: J. McNemar

RESEARCH: J. Miller

PREPARED: March 10, 2025

SURVEYED: Dec. 2016

PROJECT NO: 154-54-L-23

FIELD CREW: C.L., K.M.

Sheet 1 of 1

DRAWING NO: Driftwood 1H AOR



Scale: 1 inch = 2000 feet

04/18/2025

Antero Resources
Well No. Driftwood 1H
BHL_MOD
Antero Resources Corporation

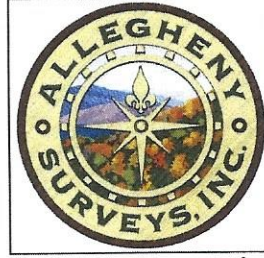
Page 1 of 6

Top Hole
7.5' Spot

7,398' to Top Hole

1,468' to Bottom Hole

TOP LATITUDE 39 - 35 - 00
BTM LATITUDE 39 - 37 - 30



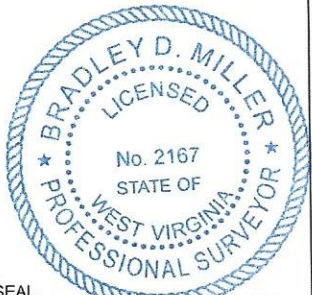
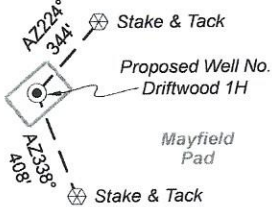
TOP HOLE LONGITUDE 80 - 52 - 30
BTM HOLE LONGITUDE 80 - 55 - 00

814' to Top Hole

Bottom
Hole
7.5' Spot

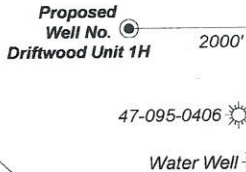
4,416' to Bottom Hole

Well Location References
Not to Scale



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.

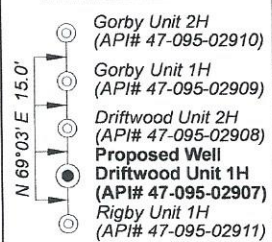
Bradley D. Miller
Bradley D. Miller, P.S. 2167



Note: 1 water well were found within 2000'
of proposed well. No occupied dwellings or
buildings 2,500 square feet or larger used
to house or shelter dairy cattle or poultry
husbandry are located within 625' of the
center of the well pad.

Tag	Bearing	Dist.	Monument
L1	N 27°09' W	2,052.9'	Center of bridge
L2	N 50°37' W	1,487.9'	47-095-00406
L3	S 65°58' W	610.5'	Roof bolt on creek bank
L4	S 24°23' E	1,936.6'	5/8" Rebar
L5	S 34°50' W	1,403.1'	Point of Entry (POE)

Wellhead Layout (NTS)



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Environmental Protection

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: March 7 20 25
OPERATOR'S WELL NO. Driftwood 1H
API WELL NO
47 - 095 - 02907
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built: 864' Existing: 874' WATERSHED: Outlet Middle Island Creek

DISTRICT: Lincoln / Magnolia

SURFACE OWNER: Antero Resources Corp.

ROYALTY OWNER: Dennis Swindall & Constance Swindall Trustees for the Swindall Revoable Trust LEASE NO: ACREAGE: 208

PROPOSED WORK: ☐ DRILL ☐ CONVERT ☒ DRILL DEEPER ☒ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL-MOD 6,600' TVD

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,000' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Conrad Baston
ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
Denver, CO 80202 Bridgeport, WV 26330

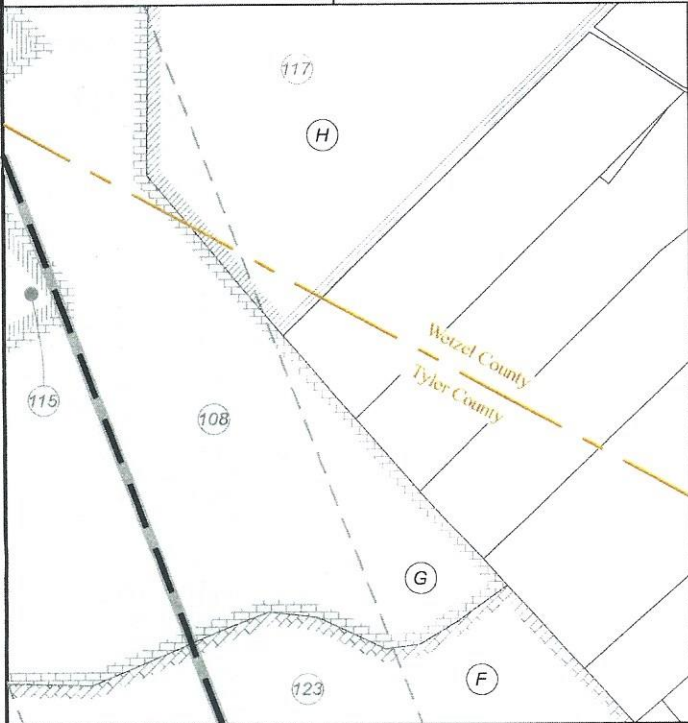
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3/21/25

Antero Resources
Well No. Driftwood 1H
BHL_MOD
Antero Resources Corporation

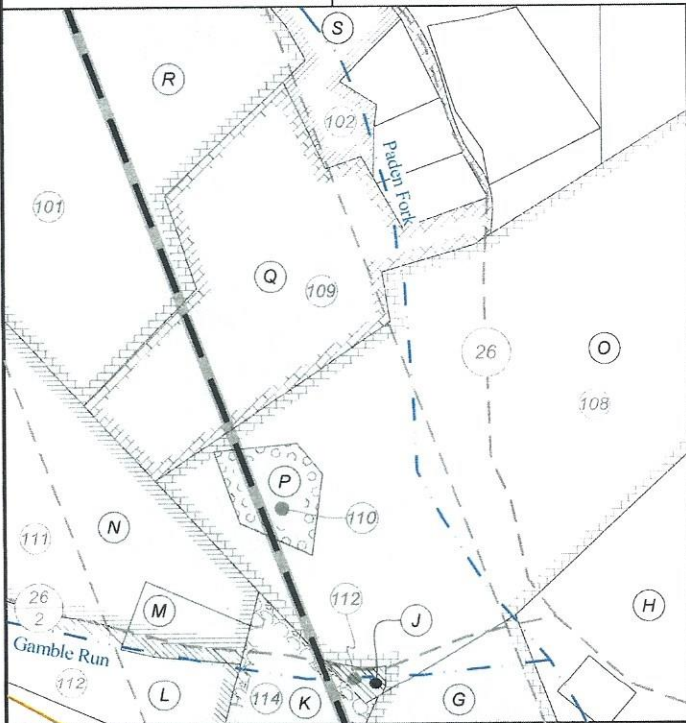
Page 2 of 6



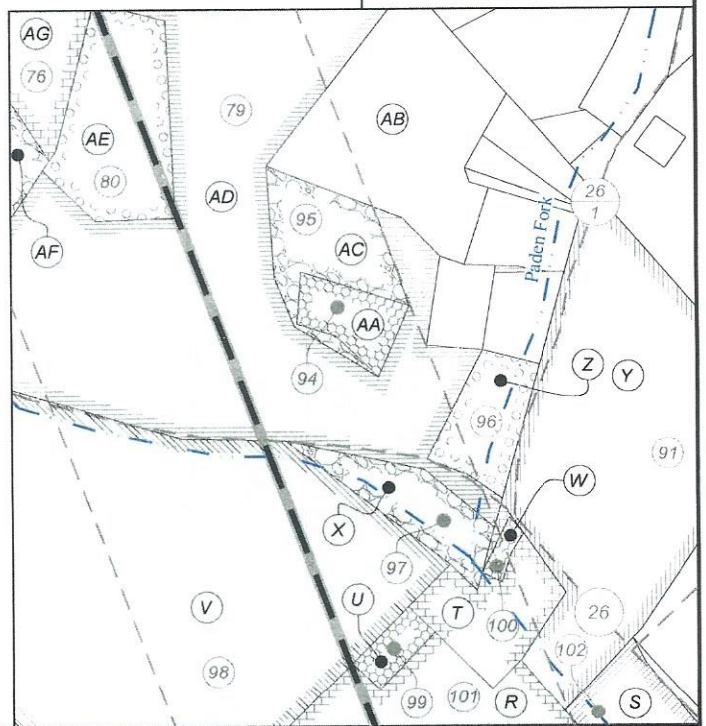
Detail 1 (1"=500')



Detail 2 (1"=500')



Detail 3 (1"=500')



Notes:
Well No. Driftwood Unit 1H
UTM Zone 17, NAD 1927
N: 14,373,529.86'
E: 1,668,241.45'
Point of Entry Coordinates
N: 14,372,365.32'
E: 1,667,459.73'
Bottom Hole Coordinates
N: 14,385,094.29'
E: 1,662,418.26'

Notes
West Virginia Coordinate System
of 1927, North Zone
based upon Differential GPS Measurements.
Well No. Driftwood Unit 1H Top Hole coordinates are
N: 396,840.14' Latitude: 39°34'51.96"
E: 1,605,063.05' Longitude: 80°54'04.49"
Bottom Hole coordinates are
N: 408,504.14' Latitude: 39°36'46.36"
E: 1,599,431.83' Longitude: 80°55'18.76"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,381,278.405m N: 4,384,803.236m
E: 508,495.745m E: 506,720.927m
Plat orientation and corner and well references
are based upon the grid north meridian.
Well location references are based upon the
magnetic meridian.

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Legend

- Proposed gas well
- Well Reference, as noted
- Monument, as noted
- Existing Well, as noted
- Existing Plugged Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Railroad Tracks (approx.)
- State / County line

FILE NO: 154-54-L-23

DRAWING NO: Driftwood 1H Well Plat

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:
Submeter

PROVEN SOURCE OF ELEVATION:
WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: March 7 20 25

OPERATOR'S WELL NO. Driftwood 1H

API WELL NO

47 — 095 — 02907
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: Existing: 874'
As-Built: 864'

WATERSHED: Outlet Middle Island Creek

QUADRANGLE: Paden City

DISTRICT: Lincoln / Magnolia

COUNTY: Tyler / Wetzel

SURFACE OWNER: Antero Resources Corp.

ACREAGE: 208

ROYALTY OWNER: Dennis Swindall & Constance Swindall Trustees for the Swindall Revoable Trust

LEASE NO: ACREAGE: 208

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☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL-MOD

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,000' MD 6,600' TVD

WELL OPERATOR: Antero Resources Corporation



DESIGNATED AGENT: Conrad Baston

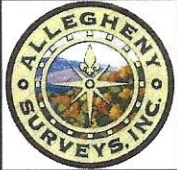
ADDRESS: 1615 Wynkoop Street

ADDRESS: 535 White Oaks Blvd.

Denver, CO 80202

Bridgeport, WV 26330

<div>Antero Resources</div> <div>Well No. Driftwood 1H</div> <div>BHL_MOD</div> <div>Antero Resources Corporation</div> <div>Page 3 of 6</div>					
<div>Detail 4 (1"=250')</div> 					
<div>FILE NO: 154-54-L-23</div> <div>DRAWING NO: Driftwood 1H Well Plat</div> <div>SCALE: 1" = 2000'</div> <div>MINIMUM DEGREE OF ACCURACY: Submeter</div> <div>PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV</div>		<div>STATE OF WEST VIRGINIA</div> <div>DEPARTMENT OF ENVIRONMENTAL PROTECTION</div> <div>OIL AND GAS DIVISION</div>		<div>DATE: March 7 2025</div> <div>OPERATOR'S WELL NO. Driftwood 1H</div> <div>API WELL NO</div> <div>47 — 095 — 02907</div> <div>STATE COUNTY PERMIT</div>	
<div>WELL TYPE: <input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL</div> <div>(IF GAS) PRODUCTION : <input type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input checked="" type="checkbox"/> SHALLOW</div> <div>LOCATION: ELEVATION: As-Built: 864' Existing: 874' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City</div> <div>DISTRICT: Lincoln / Magnolia COUNTY: Tyler / Wetzel</div> <div>SURFACE OWNER: Antero Resources Corp. ACREAGE: 208</div> <div>ROYALTY OWNER: Dennis Swindall & Constance Swindall Trustees for the Swindall Revoable Trust LEASE NO: ACREAGE: 208</div> <div>PROPOSED WORK: <input type="checkbox"/> DRILL <input type="checkbox"/> CONVERT <input checked="" type="checkbox"/> DRILL DEEPER <input checked="" type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION</div> <div><input type="checkbox"/> PERFORATE NEW FORMATION <input checked="" type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL-MOD</div> <div><input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,000' MD</div>					
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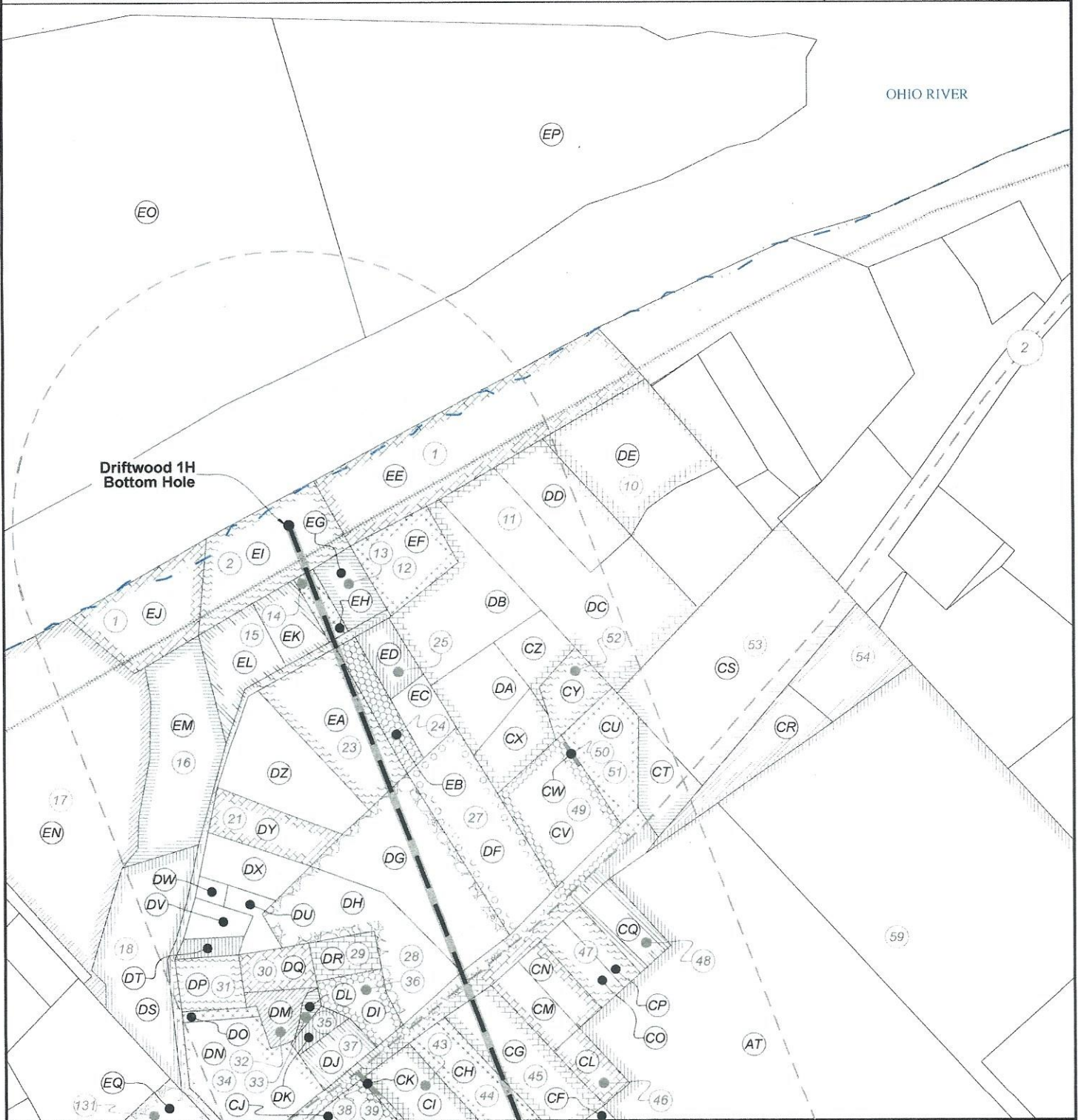


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Detail 5 (1"=250')



FILE NO: 154-54-L-23

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Submeter

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WVDOT, Harrisville, WV

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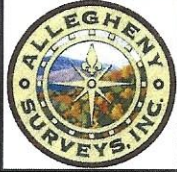
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ADDRESS: 1615 Wynkoop Street
Denver, CO 80202

ADDRESS: 535 White Oaks Blvd.
Bridgeport, WV 26330



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Office of Oil and Gas

APR 02 2025

WV Department of
Environmental Protection

ID	Lease
1	Kimela Mathews
2	Kimela Mathews
10	Phillip S. Herrick & Karrie M. Herrick
11	Roger L. Kline
12	Kimela Mathews
13	Kimela Mathews
14	Kimela Mathews
15	Gary Cardelein
16	Paul Wissmach Glass Company, Inc.
17	Nathan B. Anderson
18	Dale E. Henthorn Sr. & Sheila I. Henthorn, JTWROS
21	Ronald L. & Brenda S. Wright
23	Kimela Mathews
24	Kimela Mathews
25	Kimela Mathews
27	Ricky C. & Carla F. Riggenschach
28	Paden City Gardens Limited
29	Linda K. Knight
30	Georgia Sue Tennant & Jack M. Tennant
31	Carol Sue Loy
32	Roy Gene McDonnell
33	April D. Clarke
34	Diana Cecil, Life Tenant & Carrie Renee Still
35	April D. Clarke
36	Stone Property Management Group, LLC
37	April D. Clarke
38	Heather L. Tedrow
39	Robin Ann Fox
40	Beth Ann Shreve
41	Beth Ann Shreve
42	Michelle Smith
43	Heather L. Tedrow
44	Stephen Gabriel Pierce & Regina L. Pierce, JTWROS
45	Amy L. Sulsberger & Justin M. Wade
46	Donna Gean Ice
47	David S. Asher
48	Katherine M. Steadman
49	Brian J. & Sherry A. Croasmun
50	Kevin H. & Stacey N. Yoho, JTWROS
51	Kevin H. & Stacey N. Yoho, JTWROS
52	Kevin H. & Stacey N. Yoho, JTWROS
53	Linda L. Forrester
54	Jesse D. & Betty Lou Danielson, JTWROS
59	Patterson, LLC
60	Peggy A. Beckett
61	Danny R. Anderson

ID	Lease
62	Robert L. Jones Jr. & Donna K. Jones, JTWROS
63	Richard K. Long II
64	Marvin Williams & Bonnie Williams, JTWROS
66	Brenda Sue Palmer
67	Frank G. Knight & Connie E. Knight
68	Danny K. Carney & Stacey L. Carney
69	Bryon D. Hatfield
70	Jeffery R. Stackpole & Susan L. Stackpole, JTWROS
71	Brenda Sue Palmer
72	Branson Lee Corcoran
73	Elk Range Royalties II, LP
74	Anthony R. & Toni L. Glover
75	Mineral Acquisition Company, I, LP
76	Mineral Acquisition Company, I, LP
77	Pamela Sue Billeter
78	Alexander Brast Thomas & Carol Thomas Revocable Trust
79	Shirley M. Blatt
80	Glenn W. Tarbett, et ux
91	Paul S. Cunningham
94	Adam R. & Renee L. Pennell, JTWROS
95	Adam R. & Renee L. Pennell, JTWROS
96	Michael Stracher
97	Ronald F. Billeter
98	Ronald F. Billeter
99	Carol S. Cunningham
100	Gracie Viola Richard
101	John Ventemiglia
102	Trustees of Paden Fork Chapel Christian Church Lease
108	Lawrence Grayson Walker III, et ux
109	Brandon P. Mason & Katie Elizabeth Amos
110	Linda Allen
111	Ralph Job Howell Trust
112	Clinton Leasure
114	Clinton Levi Leasure
115	Lawrence Grayson Walker III & Amelia Ann Walker
117	Billy K. Goddard
123	Lawrence Grayson Walker III et ux
124	Ridgetop Capital II, LP
126	Dennis Swindall & Constance L. Swindall, Trustees for the Swindall Revocable Trust
127	Cynthia M. Oldham
128	Cynthia M. Oldham
129	Susan D. Paden
130	Markus E. & Ruth E. Derby
131	Christopher A. Jackson, et ux

FILE NO: 154-54-L-23

DRAWING NO: Driftwood 1H Well Plat

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:
Submeter

PROVEN SOURCE OF ELEVATION:
WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: March 7 20 25

OPERATOR'S WELL NO. Driftwood 1H

API WELL NO

47 — 095 — 02907

STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built: 864'
Existing: 874'

WATERSHED: Outlet Middle Island Creek

QUADRANGLE: Paden City

DISTRICT: Lincoln / Magnolia

COUNTY: Tyler / Wetzel

SURFACE OWNER: Antero Resources Corp.

ACREAGE: 04/18/2025

ROYALTY OWNER: Dennis Swindall & Constance Swindall Trustees for the Swindall Revoable Trust

LEASE NO: ACREAGE: 208

PROPOSED WORK: ☐ DRILL ☐ CONVERT ☒ DRILL DEEPER ☒ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL-MOD

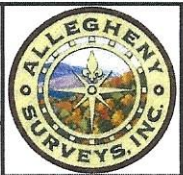
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 6,600' TVD
23,000' MD

WELL OPERATOR: Antero Resources Corporation

DESIGNATED AGENT: Conrad Baston

ADDRESS: 1615 Wynkoop Street
Denver, CO 80202

ADDRESS: 535 White Oaks Blvd.
Bridgeport, WV 26330



RECEIVED
Office of Oil and Gas
APR 02 2025
WV Department of Environmental Protection

Tyler County				
No.	TM / Par	Owner	Bk / Pg	Ac.
A	5 / 63.1	Antero Resources Corp.	OR299 / 308	60.96
B	5 / 63	James D. Kimble	W35 / 174	94.23
C	5 / 60	Suasn D. Paden, et al	W26 / 586	36.79
D	5 / 26	Robert L. & Cynthia M. Oldham	OR23 / 300	36.79
E	5 / 64	Wesley Shriver	490 / 758	80.38
F	5 / 65	Russell E. Hussey, et al	OR247 / 747	82.25
Wetzel County				
No.	TM / Par	Owner	Bk / Pg	Ac.
G	16 / 46	Russell E. Hussey, et al	503 / 481	131.04
H	16 / 31	Billy K. Goddard	277 / 286	72.50
I	16 / 47	Evans Cemetery	xxx / xxx	0.77
J	16 / 25.1	Clinton Leasure	428 / 155	0.23
K	16 / 45	Clinton Leasure	428 / 155	5.00
L	16 / 44	Clinton Leasure	428 / 155	5.32
M	16 / 16.1	Ralph Job Howell Trust	423 / 367	1.10
N	16 / 16	Ralph Job Howell Trust	421 / 33	37.52
O	16 / 25	Billy K. & Carolyn S. Goddard	502 / 370	32.57
P	16 / 30	Kendle Cemetery	PB1 / 116	1.00
Q	16 / 24	Brandon P. Mason, et al	420 / 315	12.51
R	16 / 17	John & Rebecca S. Weekly	358 / 425	21.13
S	16 / 19	Paden Fork Christian Chapel	286 / 414	2.75
T	16 / 17.1	John & Rebecca S. Weekly	358 / 425	1.87
U	16 / 18	John & Rebecca S. Weekly	358 / 425	0.50
V	16 / 2	Ronald Billiter	288 / 288	34.82
W	16 / 17.2	Donald E. Richard	331 / 8	0.19
X	16 / 73	Ronald Billiter	288 / 288	2.11
Y	16 / 4	Evelyn M. Cross	242 / 252	12.26
Z	16 / 77	Michael Starcher	445 / 156	1.52
AA	16 / 73	Adam R. & Renee L. Pennell	411 / 981	1.00
AB	11 / 83.5	Matthew J. & Carla R. Hudson	405 / 1	5.70
AC	16 / 76	Adam R. & Renee L. Pennell	439 / 153	2.11
AD	11 / 83	Donald Blatt, et al	288 / 499	29.45
AE	11 / 83.4	Glen W. & Carolyn A. Tarbett	300 / 478	3.47
AF	10 / 65.4	John M. & Vicky L. Myers	481 / 815	4.78
AG	10 / 65	Teresa K. Goots	501 / 764	34.89
AH	10 / 65.1	Teresa K. Goots	501 / 764	2.49
AI	10 / 65.2	Pamela S. & Jerry S. Billeter	458 / 358	3.53
AJ	11 / 84.4	Carl Sweeny	388 / 312	30.73
AK	11 / 67	Carl L. Sweeny, et al	452 / 681	27.50
AL	5 / 29	Brandon L. Corcoran	488 / 237	2.78
AM	5 / 28	Brandon L. Corcoran	488 / 237	2.76
AN	5 / 27	Robert J. Gibbs, et ux	450 / 302	1.67
AO	5 / 26	Robert J. Gibbs, et ux	450 / 302	1.64
AP	5 / 25	Robert J. Gibbs, et ux	450 / 302	1.87
AQ	5 / 24	Robert J. Gibbs, et ux	428 / 820	1.86
AR	10 / 75.1	Anthony R. & Toni L. Glover	388 / 239	1.90
AS	10 / 75	Anthony R. & Toni L. Glover	421 / 698	1.80
AT	11 / 62	TW Enterprises	465 / 115	20.11
AU	10 / 70.1	Anthony R. & Toni L. Glover	388 / 239	2.50
AV	10 / 70	Anthony R. & Toni L. Glover	421 / 698	3.22
AW	5 / 20	Aaron Ramsey	459 / 569	0.24
AX	5 / 19	Brent A. Smith	423 / 978	0.42
AY	5 / 18	Brandon L. Corcoran	488 / 237	0.15
AZ	5 / 17	Brandon L. Corcoran	488 / 237	0.17
BA	5 / 16	Brandon L. Corcoran	488 / 237	0.49
BB	5 / 15	Brandon L. Corcoran	488 / 237	0.09
BC	5 / 15.1	Michael A. Smith	359 / 367	0.14
BD	5 / 14	Michael A. Smith, et al	355 / 290	0.21
BE	5 / 13	David & Kelly Schultheis	378 / 391	0.18
BF	5 / 12	Mark A. & Robyn A. Durant	410 / 599	0.18
BG	5 / 11	Jennifer J. Latimer	441 / 105	0.18
BH	5 / 3	Crystal L. Ebert, et al	453 / 86	0.18
BI	5 / 4	Kyra D. Slampak	479 / 866	0.18
BJ	5 / 5	Donna J. Giles	386 / 366	0.18
BK	5 / 6	Donna J. Giles	386 / 366	0.32
BL	5 / 7	Donna J. Giles	386 / 366	0.32
BM	5 / 8	Terrell E. & Judith M. Yeager	289 / 181	0.29
BN	10A / 22	Markus E. & Ruth E. Derby	357 / 238	0.37
BO	10A / 23	Christopher G. Potoczny	514 / 479	0.38
BP	10A / 30	Christopher G. Potoczny	514 / 479	0.45

Wetzel County				
No.	TM / Par	Owner	Bk / Pg	Ac.
BR	10A / 31	Erica L. Doll	455 / 891	0.44
BS	10A / 29.1	Donna K. & Robert L. Jones	322 / 478	0.23
BT	10A / 29	Donna K. & Robert L. Jones	311 / 516	0.29
BV	10A / 28.1	Donna K. & Robert L. Jones	302 / 432	0.59
BW	10 / 69	Jeffery R. & Susan L. Stackpole	431 / 745	0.73
BX	10 / 68	Bryon D. Hatfield	489 / 322	0.75
BY	10 / 67	Danny K. & Stacy L. Carney	340 / 451	0.76
BZ	10 / 66	Frank G. & Connie Knight	291 / 117	0.75
CA	10 / 81	Brenda S. Palmer	467 / 925	0.54
CB	10 / 82	Brenda S. Palmer	467 / 925	1.24
CC	10 / 49.1	Andrew J. Stevens	508 / 316	0.50
CD	10 / 49.4	Andrew J. Stevens	508 / 316	0.50
CE	10 / 41	Beth A. Shreve	355 / 212	1.08
CF	10 / 49.5	Beth A. Shreve	383 / 518	0.10
CG	10 / 49.7	Michelle Smith	513 / 341	0.38
CH	10 / 49.2	Peggy Beckett	220 / 56	0.84
CI	10 / 44	Amy L. Sulsberger, et al	466 / 927	0.69
CJ	10 / 43	Stephen G. & Regina Pierce	418 / 551	0.55
CK	10 / 42	Heather L. Caruth	428 / 300	0.69
CL	10 / 49	Robin A. Fox	323 / 75	0.86
CM	10 / 49.6	Heather L. Caruth	428 / 300	0.01
CN	10 / 49.3	Donna G. Ice	325 / 233	0.20
CO	10 / 45	Donna G. Ice	325 / 233	0.25
CP	10 / 46	Donna G. Ice	325 / 233	0.21
CQ	10 / 46.1	David S. Asher	444 / 398	0.19
CR	10 / 46.2	David S. Asher	444 / 398	0.15
CS	10 / 47	Katherine M. Toothman	361 / 495	0.28
CT	10 / 47.1	Jesse D. & Betty L. Danielson	421 / 36	0.31
CU	11 / 47	Jason E. & Bernadette Hood	494 / 690	1.50
CV	10B / 39	Jason E. & Bernadette Hood	494 / 690	0.14
CW	10B / 32.1	Kevin N. & Stacey N. Yoho	422 / 606	0.47
CX	10B / 32.7	Brian J. & Sherry A. Croasmun	347 / 576	0.77
CY	10B / 32.5	Kevin N. & Stacey N. Yoho	422 / 606	0.01
CZ	10B / 32.6	Karen Burkhardt, et al	379 / 203	0.33
DA	10B / 32.8	Kevin N. & Stacey N. Yoho	422 / 606	0.26
DB	10B / 32.2	Roger L. Kline	371 / 370	0.25
DC	10B / 32.3	Roger L. Kline	422 / 358	0.44
DD	10B / 32	Roger L. Kline	336 / 377	0.91
DE	10B / 33.1	Roger L. Kline	329 / 44	1.56
DF	10B / 33	Roger L. Kline	329 / 44	0.58
DG	10B / 34.1	Phillip S. & Karen M. Herrick	331 / 529	1.00
DH	10B / 38	Ricky C. & Carla F. Riggensbach	482 / 458	1.00
DI	3A / 9	Paden City Gardens, LP	315 / 366	1.21
DJ	3A / 8	Paden City Gardens, LP	336 / 627	0.92
DK	3A / 6.1	Stone Property Management Group, LLC.	488 / 539	0.28
DL	3A / 6	April Stackpole	514 / 236	0.20
DM	3A / 6.2	April D. Clarke	369 / 501	0.09
DN	3A / 4.1	April D. Clarke	401 / 442	0.04
DO	3A / 4	Roy G. McDonald, et al	W58 / 90	0.22
DP	3A / 2	Carrie R. Still	424 / 161	0.61
DQ	3A / 3	Carrie R. Still	424 / 161	0.18
DR	10B / 22	Patricia Ruth Loy Estate, et al	W20 / 494	0.25
DS	3A / 5	Jack M. & Georgia S. Tennant	313 / 637	0.23
DT	3A / 7	Linda K. & Robert G. Knight	304 / 227	0.19
DU	10B / 18	Sheila I. & Dale E. Henthorn, Sr.	373 / 386	1.00
DV	10B / 24	Sheila I. & Dale E. Henthorn, Sr.	373 / 386	0.10
DW	10B / 25	William E. Jacobs, Jr.	476 / 581	0.17
DX	10B / 26	William E. Jacobs, Jr.	476 / 581	0.15
DY	10B / 27	William E. Jacobs, Jr.	469 / 842	0.05
DZ	10B / 28	William E. Jacobs, Jr.	469 / 842	0.33
EA	10B / 28.1	Ronald L. & Brenda S. Wright	441 / 180	0.40
EB	10B / 29	Eric D. & Amy P. Weber	374 / 78	0.78
EC	10B / 13	Kimela A. Mathews	476 / 97	0.80
ED	10B / 31.2	Kimela A. Mathews	417 / 115	0.23
EE	10B / 31.3	Merry A. Westbrooks (L/E), et al	438 / 294	0.18
EF	10B / 31	Kimela A. Mathews	436 / 150	0.20
EG	10B / 3	Kimela A. Mathews	475 / 394	2.50
EH	10B / 14	F.E. Schamp, et al	427 / 314	0.36
EI	10B / 31.1	Kimela A. Mathews	348 / 9	0.24
EJ	10B / 31.4	Kimela A. Mathews	348 / 9	0.11
EK	10B / 13.3	Kimela A. Mathews	475 / 394	0.40
EL	10B / 4	Kimela A. Mathews	475 / 394	0.25
EM	10B / 13.1	Gary & Phillip Cardelein	466 / 492	0.26
EN	10B / 13.2	Gary & Phillip Cardelein	466 / 492	0.26
EO	10B / 12	Paul Wissmach Glass Co.	333 / 342	1.05
EP	10B / 11	Nathan B. Anderson	433 / 329	3.83
EQ	10 / 1	United States of America	333 / 690	75.00
	10 / 1.1	United States of America	256 / 227	5.13
	3A / 1	Terrell L. Paden	329 / 492	1.40

FILE NO: 154-54-L-23	DATE: March 7 20 25
DRAWING NO: Driftwood 1H Well Plat	OPERATOR'S WELL NO. Driftwood 1H
SCALE: 1" = 2000'	API WELL NO
MINIMUM DEGREE OF ACCURACY: Submeter	47 — 095 — 02907
PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV	STATE COUNTY PERMIT
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION	
WELL TYPE: <input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL (IF GAS) PRODUCTION: <input type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input checked="" type="checkbox"/> SHALLOW	
LOCATION: ELEVATION: As-Built: 864' Existing: 874'	WATERSHED: Outlet Middle Island Creek
DISTRICT: Lincoln / Magnolia	QUADRANGLE: Paden City
SURFACE OWNER: Antero Resources Corp.	COUNTY: Tyler / Wetzel
ROYALTY OWNER: Dennis Swindall & Constance Swindall Trustees for the Swindall Revoable Trust	ACREAGE: 40.06
PROPOSED WORK: <input type="checkbox"/> DRILL <input type="checkbox"/> CONVERT <input checked="" type="checkbox"/> DRILL DEEPER <input checked="" type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION	LEASE NO: ACREAGE: 208
<input type="checkbox"/> PERFORATE NEW FORMATION <input checked="" type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL-MOD	ESTIMATED DEPTH: 6,600' TVD
<input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale	ESTIMATED DEPTH: 23,000' MD
WELL OPERATOR: Antero Resources Corporation	DESIGNATED AGENT: Conrad Baston
ADDRESS: 1615 Wynkoop Street	ADDRESS: 535 White Oaks Blvd.
Denver, CO 80202	Bridgeport, WV 26330

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>126: Dennis Swindall & Constance L. Swindall, Trustees for the Swindall Revocable Trust Lease</u>			
Dennis Swindall & Constance L. Swindall, Trustees for the Swindall Revocable Trust	Back Country Exploration LLC	1/8+	387/501
Back Country Exploration LLC	Triad Hunter, LLC	Conveyance	338/234
Triad Hunter, LLC	Antero Resources Corporation	Assignment	496/776
✓ <u>124: Ridgetop Capital II, LP Lease</u>			
Ridgetop Capital II, LP	Antero Resources Corporation	1/8+	175/743
✓ <u>123: Lawrence Grayson Walker III, et ux Lease</u>			
Lawrence Grayson Walker III, et ux	Antero Resources Corporation	1/8+	291A/646
✓ <u>108: Lawrence Grayson Walker III, et ux Lease</u>			
Lawrence Grayson Walker III, et ux	Antero Resources Corporation	1/8+	291A/650
✓ <u>115: Lawrence Grayson Walker III & Amelia Ann Walker Lease</u>			
Lawrence Grayson Walker III and Amelia Ann Walker	Antero Resources Corporation	1/8+	291A/650
✓ <u>108: Lawrence Grayson Walker III, et ux Lease</u>			
Lawrence Grayson Walker III, et ux	Antero Resources Corporation	1/8+	291A/650
✓ <u>114: Clinton Levi Leasure Lease</u>			
Clinton Levi Leasure	SEP Exploration, LLC	1/8+	363A/541
SEP Exploration, LLC	Antero Resources Corporation	Agreement	405A/872
✓ <u>112: Clinton Leasure Lease</u>			
Clinton Leasure	Antero Resources Corporation	1/8+	241/794
✓ <u>108: Lawrence Grayson Walker III, et ux Lease</u>			
Lawrence Grayson Walker III, et ux	Antero Resources Corporation	1/8+	291A/650
✓ <u>110: Linda Allen Lease</u>			
Linda Allen	Antero Resources Corporation	1/8+	362A/848
✓ <u>108: Lawrence Grayson Walker III, et ux Lease</u>			
Lawrence Grayson Walker III, et ux	Antero Resources Corporation	1/8+	291A/650
✓ <u>109: Brandon P. Mason & Katie Elizabeth Amos Lease</u>			
Brandon P. Mason & Katie Elizabeth Amos	Antero Resources Corporation	1/8+	286A/134

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APR 02 2025

WV Department of
Environmental Protection

04/18/2025

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<u>101: John Ventemiglia Lease</u> John Ventemiglia	Antero Resources Corporation	1/8+	373A/725
<u>99: Carol S. Cunningham Lease</u> Carol S. Cunningham	Antero Resources Corporation	1/8+	391A/818
<u>98: Ronald F. Billiter Lease</u> Ronald F. Billiter	Antero Resources Corporation	1/8+	304A/507
<u>79: Shirley M. Blatt Lease</u> Shirley M. Blatt TH Exploration, LLC EQT TGH Exploration LLC	TH Exploration, LLC EQT TGH Exploration LLC Antero Resources Corporation	1/8 Name Change Assignment	329A/812 154/899 Pooled Tract
<u>80: Glenn W. Tarbett, et ux Lease</u> Glenn W. Tarbett, et ux TH Exploration, LLC EQT TGH Exploration LLC	TH Exploration, LLC EQT TGH Exploration LLC Antero Resources Corporation	1/8 Name Change Assignment	314A/434 154/899 Pooled Tract
<u>76: Mineral Acquisition Company, I, LP Lease</u> Mineral Acquisition Company, I, LP	Antero Resources Corporation	1/8+	380A/395
<u>72: Branson Lee Corcoran Lease</u> Branson Lee Corcoran	Antero Resources Corporation	1/8+	372A/254
<u>73: Elk Range Royalties II, LP Lease</u> Elk Range Royalties II, LP	Antero Resources Corporation	1/8+	401A/307
<u>74: Anthony R. & Toni L. Glover Lease</u> Anthony R. & Toni L. Glover	Antero Resources Corporation	1/8+	390A/339
<u>71: Brenda Sue Palmer Lease</u> Brenda Sue Palmer	Antero Resources Corporation	1/8+	385A/482
<u>66: Brenda Sue Palmer Lease</u> Brenda Sue Palmer	Antero Resources Corporation	1/8+	385A/482
<u>68: Danny K. Carney & Stacey L. Carney Lease</u> Danny K. Carney & Stacey L. Carney	Antero Resources Corporation	1/8+	397A/929
<u>67: Frank G. Knight & Connie E. Knight Lease</u> Frank G. Knight & Connie E. Knight	Antero Resources Corporation	1/8+	391A/425
<u>60: Peggy A Beckett Lease</u> Peggy A. Beckett	Antero Resources Corporation	1/8+	376A/521
<u>44: Stephen Gabriel Pierce & Regina L. Pierce, JTWROS Lease</u> Stephen Gabriel Pierce & Regina L. Pierce, JTWROS	Antero Resources Corporation	1/8+	378A/621

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Office of Oil and Gas

APR 02 2025

WV Department of
Environmental Protection

04/18/2025

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
✓ 45: Amy L. Sulsberger & Justin M. Wade Lease Amy L. Sulsberger & Justin M. Wade	Antero Resources Corporation	1/8+	373A/672
✓ 28: Paden City Gardens Limited Lease Paden City Gardens Limited	Antero Resources Corporation	1/8	Pooled Tract
✓ 23: Kimela Mathews Lease Kimela Mathews	Antero Resources Corporation	1/8+	370A/151
✓ 24: Kimela Mathews Lease Kimela Mathews	Antero Resources Corporation	1/8+	370A/151
✓ 14: Kimela Mathews Lease Kimela Mathews	Antero Resources Corporation	1/8+	370A/151

*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.

*Cotenancy 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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WV Department of
Environmental Protection

04/18/2025

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Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
<u>2: Kimela Mathews Lease</u>	Kimela Mathews	Antero Resources Corporation	1/8+	370A/151

***Cotenancy 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

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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Office of Oil and Gas
APR 02 2025
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: Senior Vice President of Land



March 26th, 2025

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

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

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Office Of Oil and Gas

MAR 27 2025

WV Department of
Environmental Protection

Mr. Brewer:

Antero Resources Corporation (Antero) would like to submit the following permit modifications for approved wells on the Mayfield Pad. We are requesting to extend the horizontal lateral length which will change the bottom hole location of the Driftwood Unit 1H & 2H wells.

Attached you will find the following documents:

- REVISED Form WW-6B, which shows the revised MD and Production Casing/Cement program
- REVISED Form WW-6A1, which shows the leases we will be drilling into
- REVISED Mylar Plat, which shows the new bottom hole location

If you have any questions please feel free to contact me at (303) 357-7373.

Thank you in advance for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to be "CW", written over a horizontal line.

Carly Wren
Permitting Agent
Antero Resources Corporation

Enclosures

04/18/2025