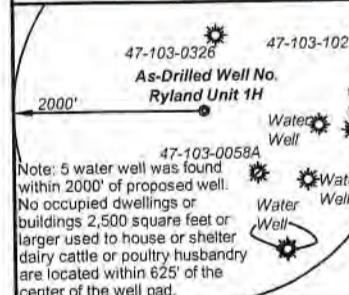
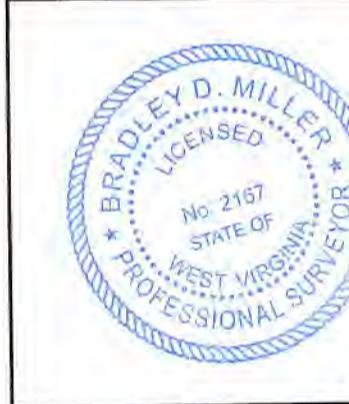


**Antero Resources**  
**Well No. Ryland 1H**  
**As-Drilled**  
 Antero Resources Corporation

Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

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



**Wellhead Layout (NTS)**

Trader Unit 1H	47-103-03459
Trader Unit 2H	47-103-03460
Proposed Well 1H	47-103-03456
Ryland Unit 2H	47-103-03457
Ryland Unit 3H	47-103-03458
Welder Unit 1H	47-103-03461
Welder Unit 2H	47-103-03462

**Legend**

- Proposed gas well
- Monument, as noted
- Existing Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)

10,010' to Top Hole

6,196' to Bottom Hole

**TOP HOLE LATITUDE 39 - 35 - 00**  
**BTM HOLE LATITUDE 39 - 32 - 30**

**Notes**  
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. Ryland Unit 1H Top Hole coordinates are  
 N: 384,179.68' Latitude: 39°32'53.27"  
 E: 1,649,260.47' Longitude: 80°44'37.80"  
 Bottom Hole coordinates are  
 N: 376,050.21' Latitude: 39°31'33.43"  
 E: 1,652,966.43' Longitude: 80°43'49.07"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,377,646.454m N: 4,375,188.620m  
 E: 522,025.028m E: 523,195.337m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.

LONGITUDE 80 - 42 - 30

5,724' to Bottom Hole

Ryland Unit 1H As-Drilled POE Coordinates West Virginia Coordinate System of 1927, North Zone

N: 385,206.10'  
 E: 1,649,890.81'  
 Latitude: 39°33'03.50"  
 Longitude: 80°44'29.93"  
 UTM Zone 17, NAD 1983  
 N: 4,377,962.372m  
 E: 522,211.861m

	Bearing	Dist.
L1	S 83°08' E	1,568.6'
L2	S 09°58' W	776.8'
L3	S 25°02' W	1,857.6'
L4	S 68°27' W	973.6'

FILE NO: 278-34-G-17  
 DRAWING NO: Ryland 1H As-Drilled  
 SCALE: 1" = 1500'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: CORS, Monroe County, OH

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

DATE: December 6 2022  
 OPERATOR'S WELL NO. Ryland Unit 1H  
 API WELL NO  
 47 - 103 - 03456  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,154' WATERSHED: Fishing Creek QUADRANGLE: Pine Grove  
 DISTRICT: Green Antero Resources COUNTY: Wetzel 03/17/2023  
 SURFACE OWNER: Corporation Waco Oil & Gas Company, Inc.; ACREAGE: 47.5 47.5; 537.11875;  
 ROYALTY OWNER: Pamela Ann Plamer Emch; William R. Stalnaker; Karen B. Mason; Barbara Barker, et.vir; BRC Appalachian Minerals I, LLC; Carl F. Fellows; Terry Bartrug; 81.5; 35.5; 100; 53;  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 7,005' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 17,032' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis  
 ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oak Blvd.  
 Denver, CO 80202 Bridgeport, WV 26330



Leases	
A	Pamela Ann Palmer Emch
B	BRC Appalachian Minerals I, LLC
C	David E. Bowyer
D	William R. Stalnaker
E	Karen B. Mason
F	BRC Appalachian Minerals I, LLC
G	Barbara Barker, et vir
H	Carl F. Fellows
I	Waco Oil & Gas Company Inc.
J	Terry Bartrug
K	BRC Appalachian Minerals I, LLC

ID	TM/Par	Owner	Bk/Pg	Acres
1	16-26	Antero Resources Corporation	474/713	47.50
2	16-25	Antero Resources Corporation	474/713	39.00
3	16-16	Donald L. Smith II, et ux	451/925	60.75
4	17-15.1	Douglas Alan & Shirley Joann Bucher	442/718	12.41
5	17-58	Pennie Baker	411/735	42.41
6	17-22	Perry D. Bucher	411/759	37.65
7	17-23	Michael Steven Blinkman	461/443	40.10
8	17-22.1	Steven & Bertie Blinkman	418/121	41.0
9	17-42.1	Robert & Connie Haught	416/373	2.63
10	17-42.3	Coastal Forest Resources	444/105	88.43
11	17-43.1	Robert & Phylis Cross	443/205	5.00
12	17-43	George David Sell, et al	206/184	124.50
13	20-2	George David Sell	351/473	10.00
14	20-8.1	Josh Wright	W75/551	42.00
15	20-9.1	George David Sell	372/705	5.00
16	20-9	George David Sell	351/473	48.00
17	20-13	Dallison Lumber Inc.	440/243	208.00
18	20-12	Terry Bartrug	361/465	92.90

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SURFACE OWNER: Corporation Waco Oil & Gas Company, Inc.; ACREAGE: 47.5  
 ROYALTY OWNER: Pamela Ann Palmer Emch; William R. Stalnaker; Karen B. Mason; Barbara Barker, et vir; BRC Appalachian Minerals I, LLC; Carl F. Fellows; Terry Bartrug; LEASE NO: ACREAGE: 47.5  
 81.5; 35.5; 100; 53; 137.9125; 92.904

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 7,005' TVD

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Jm