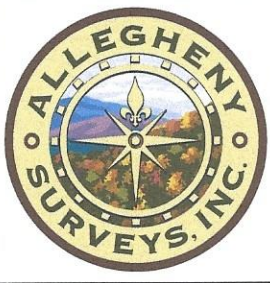


**Antero Resources**  
**Well No. Ringnus 1H**  
**BHL MOD**  
 Antero Resources Corporation

PAGE 1 of 2

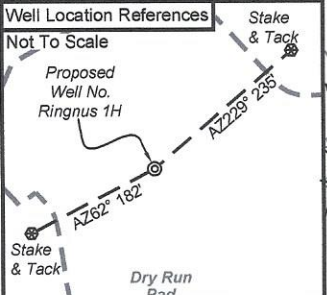
10,419' to Top Hole

5,263' to Bottom Hole  
**TOP HOLE LATITUDE 39 - 35 - 00**  
**BTM HOLE LATITUDE 39 - 37 - 30**



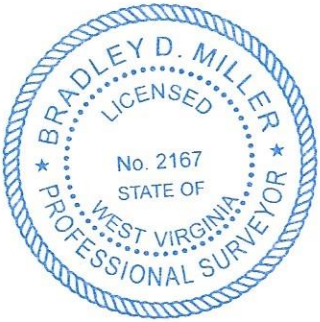
**Notes**  
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. Ringnus Unit 1H Top Hole coordinates are  
 N: 386,252.66' Latitude: 39°33'06.84"  
 E: 1,601,880.05' Longitude: 80°54'43.01"  
 Bottom Hole coordinates are  
 N: 402,661.91' Latitude: 39°35'48.01"  
 E: 1,595,544.85' Longitude: 80°56'07.23"  
**UTM Zone 17, NAD 1983**  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,378,036.638m N: 4,383,003.555m  
 E: 507,579.787m E: 505,566.404m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.

TOP HOLE LONGITUDE 80 - 52 - 30  
 HOLE LONGITUDE 80 - 55 - 00  
 10,319' to Bottom Hole  
 11,449' to Top Hole

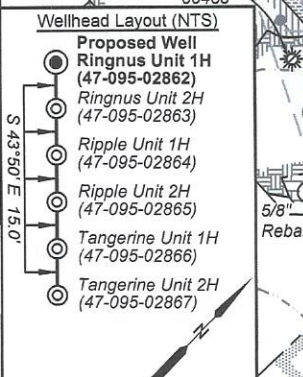
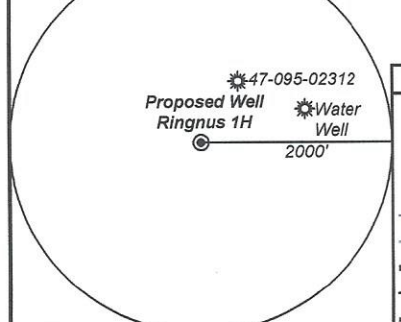


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

*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.



- 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.)
  - County Line

	Bearing	Dist.
L1	N 63°15' E	970.4'
L2	S 48°51' E	2,524.3'
L3	S 68°26' W	1,100.3'
L4	N 79°04' W	1,258.3'
L5	S 33°56' W	1,194.6'

FILE NO: 20-54-L-18  
 DRAWING NO: Ringnus 1H Well Plat  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

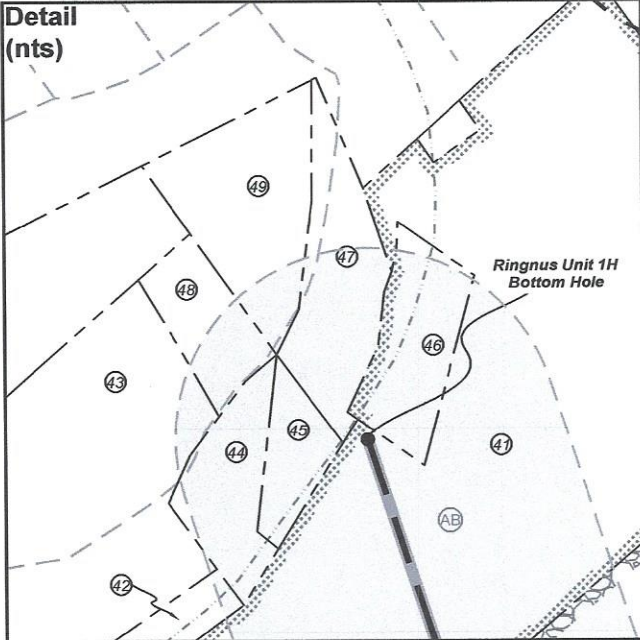
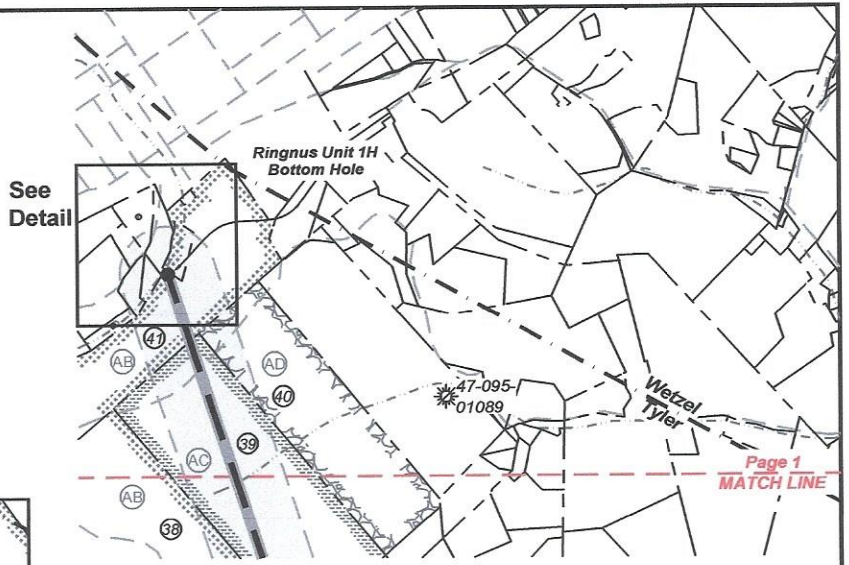
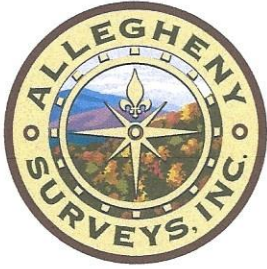
**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: June 7 2023  
 OPERATOR'S WELL NO. Ringnus 1H  
 API WELL NO  
 47 - 95 - 02862  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,007' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City 3.5;  
 DISTRICT: Lincoln COUNTY: Tyler 89.167; 74.47; 40; 59;  
 SURFACE OWNER: David E. Bowyer 29.99; 190; 190.043;  
 ROYALTY OWNER: Timothy L. VanCamp; Tamara M. Reynolds; Martha Hayes, et vir, David Mooney Carmichael; 46.9; 29.29; 12.87;  
 LEASE NO: ACREAGE: 60.700 64.835;  
 ACRES: 21.00; 146.75; 95; 88;  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 6,700' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 27,300' MD

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



Leases	
A	Timothy L. Vancamp
B	Tamara M. Reynolds
C	Blanch B. Bailey, et ux
D	Martha Hayes, et vir
E	David Mooney Carmichael
F	Betty K. Lucas
G	BRC Appalachian Minerals I LLC
H	Earl Grimes, et ux
I	J. Maurice Carlisle
J	BRC Appalachian Minerals I, LLC
K	Janet L. Heintzman
L	BRC Appalachian Minerals I, LLC
M	Robert F. Scardina, et ux
N	Robert F. Scardina, et ux
O	Jane Ann Miller

Leases	
P	BRC Appalachian Minerals I, LLC
Q	Richard L. Clark
R	Drilling Appalachian Corporation
S	Ralph & Stella Judge
T	Richard Tuttle, et ex
U	Richard Tuttle, et ex
V	Waco Oil & Gas Co Inc.
W	Brandon P. & Katie E. Mason
X	Mary Loretta Smith
Y	Clifton C. Lough, et ux
Z	Lee & Hall Royalties
AA	BRC Appalachian Minerals I, LLC
AB	Henry P. Snyder, et al
AC	Gary Holmes, et ux
AD	Bounty Minerals, LLC

ID	TM-Par	Owner	Bk/Pg	Acres
1	9-19	David E. Bowyer	OR16/22	85.79
2	9-31.1	David E. Bowyer	OR16/22	38.04
3	9-31	David E. Bowyer	OR16/22	31.45
4	9-30	Ervin Leslie & Betty M Bassett	309/391	19.57
5	9-28	Constance Heintzman	WB43/505	104.50
6	9-27	Robert Livio Bolner	226/593	59.00
7	9-24	Ethan A. & Marsha L. Riffle	299/26	82.00
8	9-17	Ethan A. & Marsha L. Riffle	323/649	90.04
9	9-17.1	James E. VanCamp & Barbie J. Palmer	318/485	4.90
10	9-16	Donald Grimes	547/631	118.21
11	9-6.1	Larry G. & Joyce Ann Kaprich	326/874	40.51
12	9-4	Brandon Scott Grimes	637/841	20.00
13	9-5	Chad & Janet L. Heintzman	330/527	64.35
14	9-3	Donald Grimes	547/631	67.00
15	5-18	Melvin S. Stern, et al	222/185	43.50
16	5-12	Robert F. Scardina and Rita K. Scardina	320/646	25.00
17	5-13	Robert F. Scardina and Rita K. Scardina	320/646	46.00
18	5-16	Kenneth W. & Susan D. Paden	215/390	11.11
19	5-14	Kenneth W. & Susan D. Paden	215/390	55.22
20	5-9.4	Neil R. Stebbins	366/436	51.48
21	5-9	Sally Anderson	368/92	25.89
22	5-9.2	Bryan Scott & Eleanor A. Campbell	350/334	1.23
23	5-6	Stephen D. & Pamela Lynn Hayes	368/92	2.11
24	5-4	Ralph D. & Sophia Judge	306/681	60.77
25	5-9.1	Stephen D. Hayes	333/313	1.28

ID	TM-Par	Owner	Bk/Pg	Acres
26	5-9.3	Franklin G. & Nancy M. Broughman	351/143	8.92
27	5-5	Ralph David & Sophia Viola Judge	212/572	3.58
28	5-3	Warren P. Judge	345/89	4.10
29	5-8	Franklin & Nancy Broughman	338/292	33.17
30	5-2.1	John Goode	OR28/720	27.52
31	5-1	Richard Lee & Linda Tuttle	362/43	88.00
32	4-69	Richard Lee & Linda Tuttle	362/43	87.47
33	5-35	Ethel & Timothy Brown	AR45/28	8.50
34	5-36	Brandon P. Mason and Katie E. Mason	396/464	56.86
35	5-38	Clegg Family Irrevocable Trust	361/387	3.5
36	4-68	Clifton C. & Allyson B. Lough	354/569	9.00
37	5-37	Clegg Family Irrevocable Trust	369/576	19.80
38	1-7	Floyd O. & Alice M. Bungard	270/220	86.83
39	1-8	Gary & Marsha L. Holmes	372/325	95.40
40	2-1	Lloyd Wayne & Lottie Cross	188/383	50.00
41	15-12	Mike Ross Inc.	459/59	69.45
42	1-9	Anna & Ashley Efav	OR80/548	2.27
43	1-15	G.R. & Patti R. Casteel	412/395	11.44
44	1-11.1	Lloyd Lewis & Edward Robert	256/596	2.00
45	1-11	Lloyd Sr. & Mary M. Lewis	285/447	1.35
46	1-27	Lloyd Lewis	295/505	2.50
47	1-12	Mary Ellen Lewis	308/96	2.21
48	1-14	Glen R & Patti R Casteel Life Estate	412/398	2.16
49	1-13	Thomas & Jennifer Winegardner	OR144/329	3.74

FILE NO: 20-54-L-18  
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Submeter  
 PROVEN SOURCE OF ELEVATION:  
WVDOT, Harrisville, WV

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 ADDRESS: 1615 Wynkoop Street  
Denver, CO 80202

DESIGNATED AGENT: Kevin Ellis  
 ADDRESS: 535 White Oaks Blvd.  
Bridgeport, WV 26330

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 Office of Oil and Gas  
 JUN 14 2023  
 COUNTY: Tyler  
 ACRES: 06/38/2023  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION



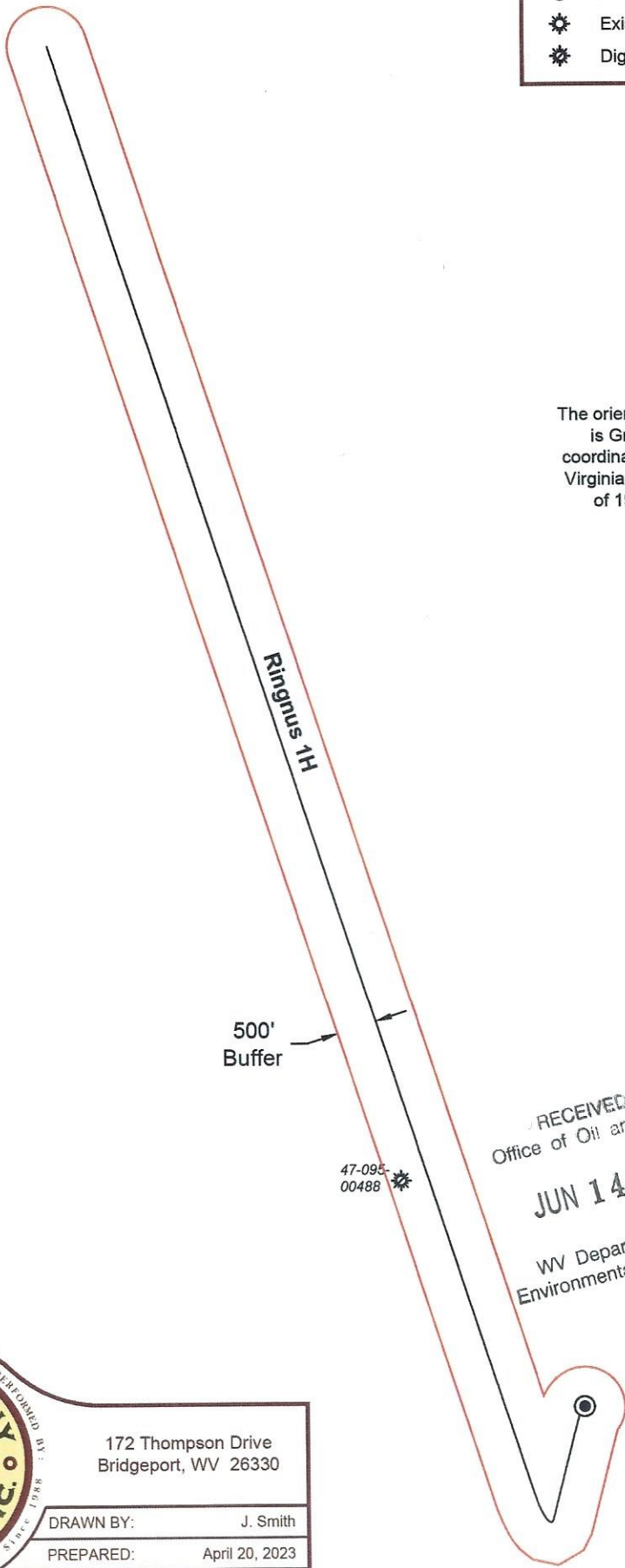
Scale: 1 inch = 2000 feet

**LEGEND**

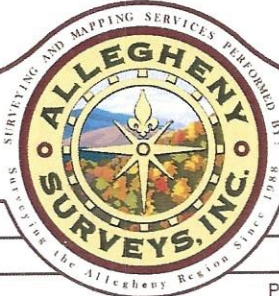
- ⊙ Proposed gas well
- ⊛ Existing Well, as noted
- ⊛ Digitized Well, as noted



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



RECEIVED  
Office of Oil and Gas  
JUN 14 2023  
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. Smith
RESEARCH: J. Miller	PREPARED: April 20, 2023
SURVEYED: Dec. 2016	PROJECT NO: 20-54-L-18
FIELD CREW: C.L., K.M.	DRAWING NO: Ringnus 1H BHL MOD AOR

Sheet 1 of 1

06/30/2023