

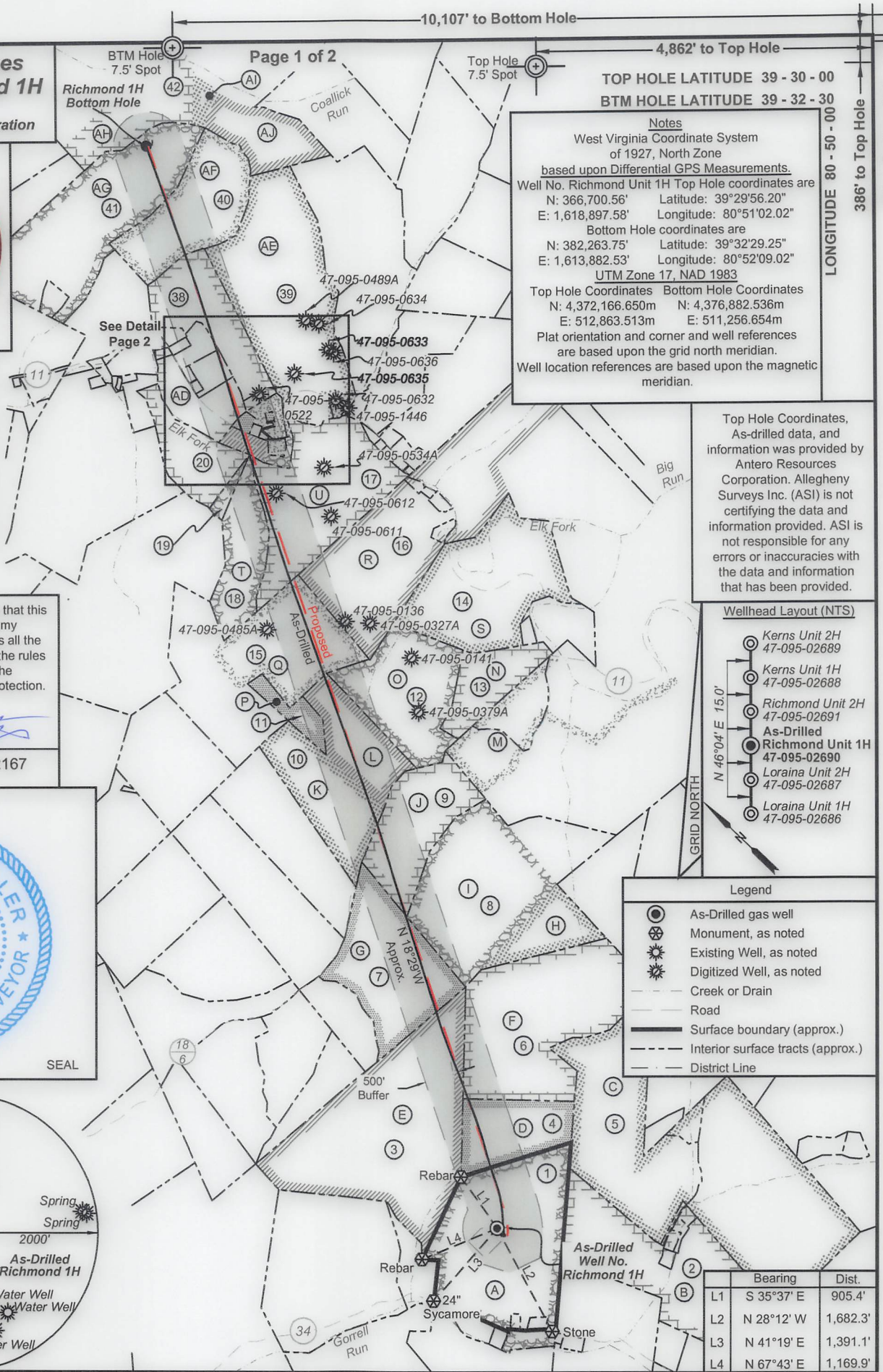
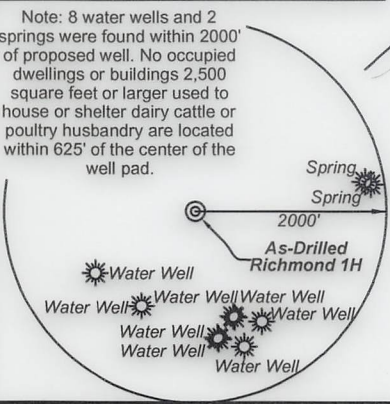
**Antero Resources**  
**Well No. Richmond 1H**  
 As-Drilled  
 Antero Resources Corporation



Richmond Unit 1H  
 POE Coordinates  
 West Virginia  
 Coordinate System  
 of 1927, North Zone  
 N: 367,327.63'  
 E: 1,618,888.17'  
 Latitude: 39°30'02.39"  
 Longitude: 80°51'02.26"  
 UTM Zone 17, NAD 1983  
 N: 4,372,357.644m  
 E: 512,857.459m

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.

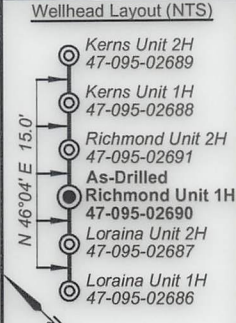
*Bradley D. Miller*  
 Bradley D. Miller, P.S. 2167



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

**Notes**  
 West Virginia Coordinate System of 1927, North Zone  
 based upon Differential GPS Measurements.  
 Well No. Richmond Unit 1H Top Hole coordinates are  
 N: 366,700.56' Latitude: 39°29'56.20"  
 E: 1,618,897.58' Longitude: 80°51'02.02"  
 Bottom Hole coordinates are  
 N: 382,263.75' Latitude: 39°32'29.25"  
 E: 1,613,882.53' Longitude: 80°52'09.02"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,372,166.650m N: 4,376,882.536m  
 E: 512,863.513m E: 511,256.654m  
 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 Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheeny 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.



**Legend**

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

	Bearing	Dist.
L1	S 35°37' E	905.4'
L2	N 28°12' W	1,682.3'
L3	N 41°19' E	1,391.1'
L4	N 67°43' E	1,169.9'

FILE NO: 49-54-E-19  
 DRAWING NO: Richmond 1H As-Drilled  
 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: December 28 2020  
 OPERATOR'S WELL NO. Richmond 1H  
 API WELL NO  
 47 - 095 - 02690  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,004' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Porter Falls  
 DISTRICT: Ellsworth COUNTY: Tyler

SURFACE OWNER: Roger D. Blizzard Ridgewood Development, LLC; Nina & Phillip Whitefield; Patrica Ann Heintzman; & Ruth E. Spencer A. DeWayne Matthews; Kevin S. Goff, et ux (2); Susan Ertel; Kenneth L. VanCamp, et ux; ACREAGE: 102.62  
 ROYALTY OWNER: Heritage Resources Marcellus Minerals, LLC; Jerry R. Brown; B. Fred Hill, Jr.; LEASE NO: \_\_\_\_\_ ACREAGE: \_\_\_\_\_

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

PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 6,407' TVD  
22,714' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System  
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road  
Denver, CO 80202 Charleston, WV 25313



ID	TM/Par	Owner	Bk/Pg	Acres
1	15-33	Roger D. Blizzard, et al	340/170	102.62
2	15-32	William S. & Opal Marie Nash	335/188	78.58
3	15-30	Thomas C. Grinage, et al	458/73	124.08
4	15-31	Roger D. Blizzard, et al	342/782	25
5	15-38	Rodney A. & Candis L. Nash	351/701	85.48
6	15-30.1	Roger D. Blizzard, et al	343/427	101.38
7	15-12	Roger Matthess	319/22	61
8	15-11	Roger Matthess	318/137	115.47
9	15-7	Roger Matthess	319/22	41.72
10	15-6	James F. & Connie L. Billiter, et al	288/325	59.5
11	10-59	Goldie A. Matthews	115/485	10.08
12	10-58	Jeffery A. & Cheryl L. Ferrell	325/334	52
13	10-56	Mary K Neff	413/731	22.06
14	10-57	Charles E. & Laura L. Friend	334/836	84.39
15	10-60	J.S. & Goldie A. Matthews	129/58	17.67
16	10-46	Opal Carol Tallman	282/382	114
17	10-43	Kevin S. & Melinda S. Goff	431/799	100
18	10-42	Kevin S. & Melinda S. Goff	431/799	25.5
19	10-41	Kevin S. & Melinda S. Goff	431/799	2.66
20	10-36	Randy Lee & Mary Lou Michael	230/499	24.65
21	10-37.3	H.H. Snider	158/151	0.50
22	10-37.4	Kevin S. & Melinda S. Goff	425/830	7.50

ID	TM/Par	Owner	Bk/Pg	Acres
23	10-37.1	Wayne H. & Violet L. Mercer	226/473	5.05
24	10-37.2	Kenneth L. & Gladys L. Vancamp	431/194	1.36
25	10-39	Elk Fork Cemetery Association	143/308	0.32
26	10-15	Kevin S. Goff & Melinda S. Goff	423/695	18.50
27	10-15.9	Becky S. & Everett E. Neff, II	322/751	1.03
28	10-40	Avril Dewayne Matthews	421/565	1.43
29	10-14.1	Triad Energy Corp. of WV Inc.	329/604	1
30	10-14.3	Elk Fork Church	299/126	1.495
31	10-16	Ruby M. Watson	256/45	0.488
32	10-15.5	Ruby M. Watson	289/359	0.0292
33	10-15.7	Frank W., Jr. & Ruby M. Watson	317/383	5.226
34	10-15.4	Frank W., Jr. & Ruby M. Watson	343/309	0.65
35	10-15.8	Frank & Ruby Watson	427/47	5.229
36	10-17	Sandra K. Metz	342/153	0.89
37	10-18	Wendy S. Gustavich	331/365	1.9
38	10-15.6	Wayne H. & Violet Mercer	317/378	35.82
39	10-14	Kevin S. & Melinda S. Goff	597/808	97.065
40	10-3	Kevin S. & Melinda S. Goff	597/808	53.75
41	10-2	Patricia Ann Heintzman	W13/384	73.26
42	6-36	Dennis & Clista Heintzman	297/640	417.6
43	10-38	Elk Fork Cemetery Association	142/271	0.46
44	10-37	Sandra Fanti	425/827	1.31



Leases	
A	Heritage Resources Marcellus Minerals, LLC
B	William S. Nash, et al
C	Helen E. Boggs
D	Jerry R. Brown
E	B. Fred Hill Jr.
F	Roger D. Blizzard
G	Reita Jane Hall
H	Samuel Rogers
I	Linda Lou Moore
J	Dale E. Pipes
K	Sandra E. Merrigan
L	David E. Bowyer
M	Joseph Shoemaker
N	Kenneth R. Barker
O	J&N Management Enterprises LLC
P	Rockford Energy, LLC
Q	A. DeWayne Matthews
R	Allen Smith
S	Charles Eugene Friend, et ux
T	Kevin S. Goff, et ux
U	Susan Ertel
V	Sandra Fanti
W	Kevin S. Goff, et ux
X	Kenneth L. Van Camp, et ux
Z	Elk Fork Cemetery
AA	Wayne H. Mercer, et ux
AC	Elk Fork Church of Christ
AD	Ridgewood Development LLC
AE	Dennis M. Strode
AF	Nina & Phillip Whitefield
AG	Patricia Ann Heintzman
AH	Norma Smith
AI	BRC Appalachian Minerals I, LLC
AJ	Nina A. Whitefield

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 47 - 095 - 02690  
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 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: As-Built 1,004' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Porter Falls 90.168; 25;  
 DISTRICT: Ellsworth COUNTY: Tyler 119.578; 101.38;  
 SURFACE OWNER: Roger D. Blizzard Ridgewood Development, LLC; Nina & Phillip Whitefield; Patrica Ann Heintzman; 68.5; 44.85; 39;  
 & Ruth E. Spencer A. DeWayne Matthews; Kevin S. Goff, et ux (2); Susan Ertel; Kenneth L. VanCamp, et ux; 20; 50.13542;  
 Roger D. Blizzard; Reita Jane Hall; Dale E. Pipes; Sandra E. Merrigan; David E. Bowyer; 30.7625; 100;  
 ROYALTY OWNER: Heritage Resources Marcellus Minerals, LLC; Jerry R. Brown; B. Fred Hill, Jr.; LEASE NO: ACREAGE: 4.3075; 1.36; 100;  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,407' TVD  
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