

Antero Resources
Well No. Kerns 2H
 As-Drilled
 Antero Resources Corporation

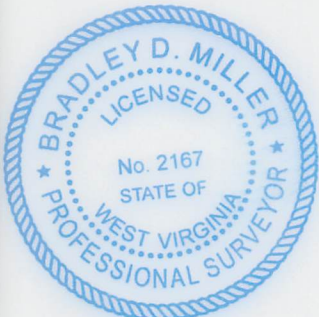


Kerns Unit 2H
 POE Coordinates
 West Virginia
 Coordinate System
 of 1927, North Zone
 N: 368,209.38'
 E: 1,621,227.42'
 Latitude: 39°30'11.45"
 Longitude: 80°50'32.59"
 UTM Zone 17, NAD 1983
 N: 4,372,638.190m
 E: 513,565.646m

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.

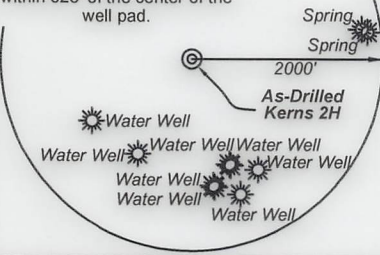
Bradley D. Miller

Bradley D. Miller, P.S. 2167



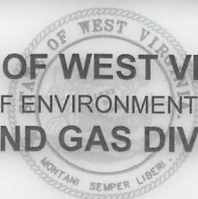
SEAL

Note: 8 water wells and 2
 springs 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.



FILE NO: 46-54-E-19
 DRAWING NO: Kerns 2H As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 WVDOT, Harrisville, WV

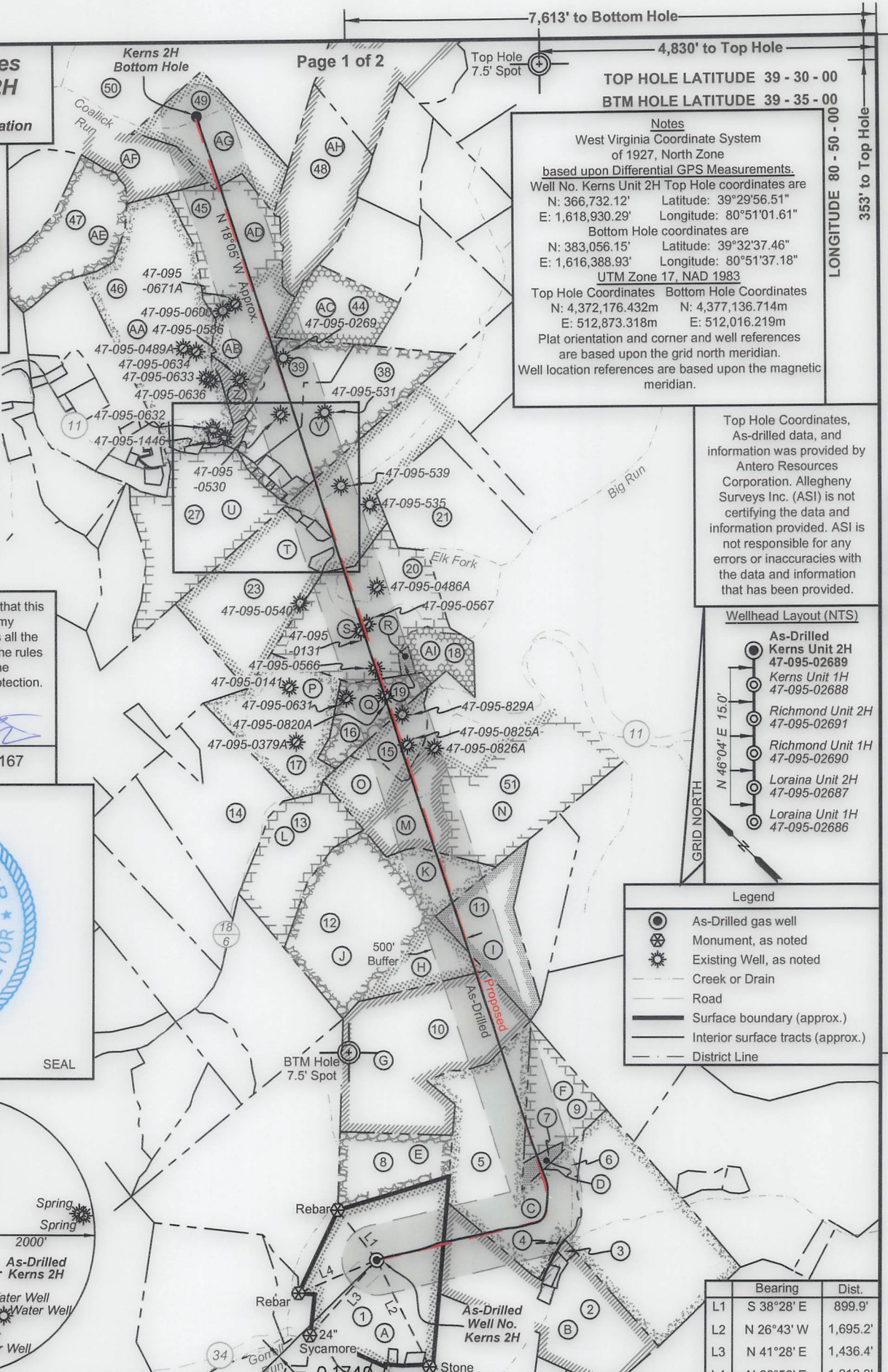
STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION



DATE: December 28 2020
 OPERATOR'S WELL NO. Kerns 2H
 API WELL NO
47 - 095 - 02689
 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. Blizard & Ruth E. Spencer ACREAGE: 102.62
 ROYALTY OWNER: Heritage Resources-Marcellus Minerals, LLC; Dennis R. & Clista A. Heintzman; 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: 6,438' TVD
23,319' MD

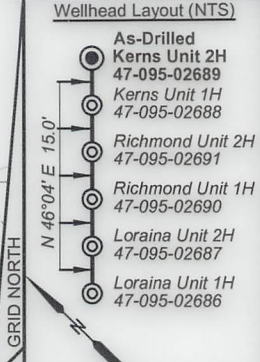
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313



TOP HOLE LATITUDE 39 - 30 - 00
 BTM HOLE LATITUDE 39 - 35 - 00
 LONGITUDE 80 - 50 - 00
 353' to Top Hole
 14,422' to Bottom Hole

Notes
 West Virginia Coordinate System
 of 1927, North Zone
 based upon Differential GPS Measurements.
 Well No. Kerns Unit 2H Top Hole coordinates are
 N: 366,732.12' Latitude: 39°29'56.51"
 E: 1,618,930.29' Longitude: 80°51'01.61"
 Bottom Hole coordinates are
 N: 383,056.15' Latitude: 39°32'37.46"
 E: 1,616,388.93' Longitude: 80°51'37.18"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,372,176.432m N: 4,377,136.714m
 E: 512,873.318m E: 512,016.219m
 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. 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.



Legend

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

	Bearing	Dist.
L1	S 38°28' E	899.9'
L2	N 26°43' W	1,695.2'
L3	N 41°28' E	1,436.4'
L4	N 66°56' E	1,212.3'



ID	TM/Par	Owner	Bk/Pg	Acres
1	15-33	Roger D. Blizzard, et al	340/170	90.17
2	15-32	William S. & Opal Marie Nash	335/187	76.92
3	16-54	David M. & Amanda B. Trimble	447/110	1.00
4	16-60	Rodney & Candis Nash	378/815	0.56
5	15-38	Rodney A. & Candis L. Nash	351/701	85.48
6	16-44.1	Carl Straight	543/598	3.70
7	16-23.1	Bruce Winkelmann	334/234	3.30
8	15-31	Roger D. Blizzard, et al	342/782	25.00
9	16-23	Joseph L. & Karen Sitko	314/462	29.70
10	15-30.1	Roger D. Blizzard, et al	343/427	101.38
11	15-10	Darrell J. Sole	617/739	34.13
12	15-11	Roger Matthes, et al	528/764	115.47
13	15-7	Roger Matthes, et al	528/764	41.72
14	15-6	Eric D. Wykert, et al	632/832	59.50
15	15-8	William A. & Joyce L. Caputo	245/485	14.00
16	10-56	Mary K. Neff	413/731	22.06
17	10-58	Jeffery A. & Cheryl A. Ferrell	325/334	66.66
18	10-54	Michael W. & Brenda S. Schmidt	244/409	14.06
19	10-55	Shirley E. Neff	218/46	1.47
20	10-57	Charles E. & Laura L. Friend	334/836	68.86
21	10-49	Charles E. & Laura Lynn Friend	334/839	71.52
22	10-48	Charles E. & Laura Lynn Friend	334/839	1.40
23	10-46	Opal Carol Tallman	282/383	115.52
24	10-46.1	Opal Carol Tallman	282/383	1.36
25	10-46.2	William F. Ferrell	W47/233	0.50

ID	TM/Par	Owner	Bk/Pg	Acres
26	10-47	William F. Ferrell	W47/233	0.72
27	10-43	Kevin S. & Melinda S. Goff	431/799	100.00
28	10-45.3	Patricia Spencer	345/134	0.04
29	10-45.1	Richard S. & Clara Sue Baker	345/134	0.65
30	10-43.1	Patricia Spencer	345/134	1.76
31	10-45	Richard S. & Clara Sue Baker	342/536	0.25
32	10-45.2	Michael E. & Mary B. Neff	532/812	0.71
33	10-44	James R. Dawson	AR48/228	0.40
34	10-10.3	Paul Richard Baker	612/603	1.32
35	10-10.1	William F. & Paula S. Ferrell	312/454	1.23
36	10-44.1	Nile Dean Harris	290/234	0.71
37	10-10.2	Sandra K. Metz	376/458	0.15
38	10-10	Ronald D. & Sandra Sue Martin	344/279	58.36
39	10-12	Sandra K. Metz	376/458	30.50
40	10-13.1	Brian E. & Barbara J. Courtney	377/792	1.90
41	10-14.1	Triad Energy Corp. of WV Inc.	329/604	1.00
42	10-14.3	Elk Fork Church	299/126	1.49
43	10-14.2	Triad Energy Corp. of WV Inc.	329/604	0.17
44	10-11	J.R. Schamp	318/543	30.00
45	10-13	Kevin S. & Melinda S. Goff	597/808	87.19
46	10-14	Kevin S. & Melinda S. Goff	597/808	96.84
47	10-3	Kevin S. & Melinda S. Goff	597/808	53.75
48	10-4	Stefan L. & Alberta B. Smolski	356/467	56.08
49	6-49	Dennis & Clista A. Heintzman	297/637	45.00
50	6-36	Dennis & Clista Heintzman	297/640	417.6
51	15-9	Antero Midstream LLC	586/544	153.90



Leases	
A	Heritage Resources Marcellus Minerals, LLC
B	William S. Nash, et al
C	Helen E. Boggs
D	Bruce Winkelmann
E	Jerry R. Brown
F	Joseph L. Silko, et ux
G	Roger D. Blizzard
H	Samuel Rogers
I	BRC Appalachian Mineral I LLC
J	Linda Lou Moore
K	James Matthes
L	Dale E. Pipes
M	Trustees of James L. Newsom Revocable Trust
N	Will E. Morris Heirs Trust
O	Joseph Shoemaker
P	J&N Management Enterprises, LLC
Q	Kenneth R. Barker
R	Shirley E. Neff
S	Charles Eugene Friend, et ux
T	Allen Smith
U	Susan Ertel
V	B&C Oil and Gas Company
Y	Elk Fork Church of Christ
Z	Will E. Morris Heirs
AA	Dennis M. Strode
AB	BRC Appalachian Minerals I, LLC
AC	Sharon Rose Faini
AD	Bounty Minerals, LLC
AE	Nina & Phillip Whitefield
AF	Nina Whitefield
AG	Dennis R. & Clista Heintzman
AH	Rose Enterprises, LLC
AI	Michael W. Schmidt, et ux

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