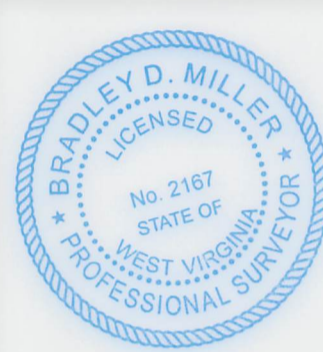


**Antero Resources
Well No. Mamba 2H
As-Drilled**
Antero Resources Corporation



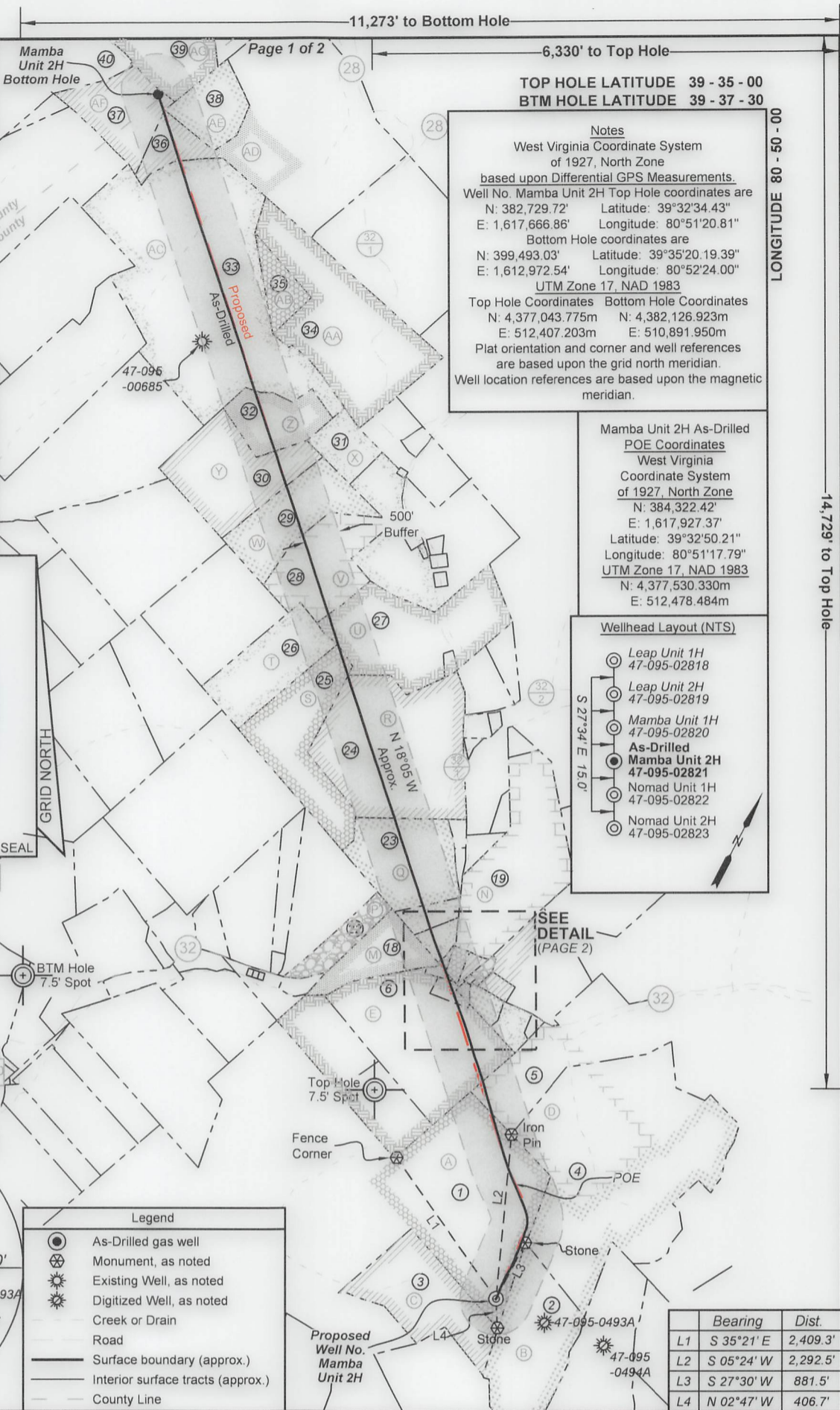
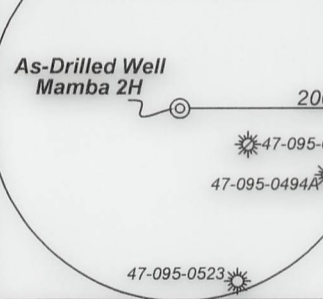
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

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



Top Hole 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.

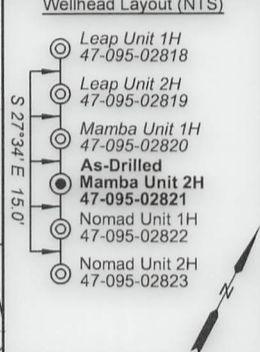
Note: 0 water wells or springs were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



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.)
	County Line

Notes
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements. Well No. Mamba Unit 2H Top Hole coordinates are N: 382,729.72' Latitude: 39°32'34.43" E: 1,617,666.86' Longitude: 80°51'20.81" Bottom Hole coordinates are N: 399,493.03' Latitude: 39°35'20.19.39" E: 1,612,972.54' Longitude: 80°52'24.00" UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,377,043.775m N: 4,382,126.923m
E: 512,407.203m E: 510,891.950m
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

Mamba Unit 2H As-Drilled POE Coordinates
West Virginia Coordinate System of 1927, North Zone
N: 384,322.42' E: 1,617,927.37' Latitude: 39°32'50.21" Longitude: 80°51'17.79" UTM Zone 17, NAD 1983
N: 4,377,530.330m E: 512,478.484m



	Bearing	Dist.
L1	S 35°21' E	2,409.3'
L2	S 05°24' W	2,292.5'
L3	S 27°30' W	881.5'
L4	N 02°47' W	406.7'

FILE NO: 99-54-E-19
DRAWING NO: Mamba Unit 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: July 28 20 23
OPERATOR'S WELL NO. Mamba Unit 2H
API WELL NO
47 - 095 - 02821
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: As-Built: 1,193' WATERSHED: Outlet Middle Island Creek QUADRANGLE: TH:Porter Falls 164.28125; BH:Paden City 20.67.23.25
DISTRICT: Ellsworth/Magnolia COUNTY: Tyler/Wetzel 30.72.20.24
SURFACE OWNER: Dennis & Clista Heintzman Michael Stillwagner; Beverly Kay Campbell; James D. VanCamp, et ux; William G. Baker; Jeffrey Seckman; Gary A. Midcap, et ux (2); Lee Morgan; James D. VanCamp; David Wayne VanCamp, et ux; David E. Bowyer; Christina L. Ebert; ACREAGE: 417.6 30.9625; 48.796; 10.02; 33.48125; 44;
ROYALTY OWNER: BRC Appalachian Minerals I, LLC (2); TMP Properties, LLC; Judy P. Meyers; LEASE NO: ACREAGE: 42.46875; 99.4438
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: 6,622' TVD 23,017' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
Denver, CO 80202 Charleston, WV 25313

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



ID	TM/Par	Owner	Bk/Pg	Acres
1	6-36	Dennis & Clista Heintzman	297/640	417.60
2	10-4	Stefan L. & Alberta B. Smolski	356/467	56.08
3	6-49	Dennis & Clista A. Heintzman	297/637	45.00
4	6-30.1	Larry M. & Amy B. Adams	369/344	150.33
5	6-30	Larry G. Rice	333/682	64.61
6	6-27	Ronnie L. VanCamp, et al	568/32	69.88
7	6-27.3	Laura A. Richeson	365/34	5.14
8	6-27.4	Joseph M. & Tammy A. Rice	634/778	3.79
9	6-21.2	Richard E. Leek	OR147/27	3.15
10	6-27.1	Larry G. Rice	333/682	0.81
11	6-27.5	David W. VanCamp	555/14	2.56
12	6-21.3	Richard E. Leek	OR147/27	0.28
13	6-21.1	Richard E. Leek	391/533	2.74
14	6-29	Richard Leek	402/216	1.00
15	6-28	David Wayne & Virginia VanCamp	395/557	2.00
16	6-47.1	Donna Faulk	408/113	1.00
17	6-27.2	David Wayne & Virginia VanCamp	395/557	1.0
18	6-47	Jeffrey Seckman	545/70	18.99
19	6-11	Jeffrey A. & Joann E. Seckman	343/153-A	68.72
20	6-20.2	Hiram Groves	98/195	7.50
21	6-20.1	Jeffrey Seckman	545/70	2.52
22	6-19	Linda J. & Jack E. Mason	OR101/678	10.00
23	6-20	Jeffrey Seckman	545/70	36.15
24	6-8	Matthew T. Ebert	361/219	98.50
25	6-7	Gary A. & Penny K. Midcap	301/265	30.90
26	3-26.1	Gary A. & Penny K. Midcap	301/265	40.00
27	3-34	Charlotte Terry, et al	WB76/367	57.19
28	3-27	Herbert & Phyllis Glendenning	349/827	33.25
29	3-25.1	Gary A. & Penny K. Midcap	304/230	33.48
30	3-25	Gary A. & Penny K. Midcap	301/265	42.47
31	3-28	Rhoda & Lawrence Morgan Est	317/413	61.33
32	3-19	Gary A. & Penny K. Midcap	301/265	20.94
33	3-9	Steven D. & Brenda M. Higgins	313/623	163.34
34	3-10	Steven D. & Brenda M. Higgins	313/623	79.75
35	3-10.1	Steven D. & Brenda M. Higgins	313/623	10.16
36	1-11	Daniel A. Witschey	541/326	122.81
37	16-64	Richard Todd Kay	420/650	29.00
38	1-16	Daniel A. & Amy J. Witschey	602/421	20.00
39	17-15	Don A. Stertzbach	367/623	37.90
40	16-63	Richard E. Kay, et ux	395/329	19.00

Leases	
A	BRC Appalachian Minerals I, LLC
B	Rose Enterprises, LLC
C	Dennis R. & Clista A. Heintzman
D	TMP Properties, LLC
E	Judy P. Meyers
F	Laura A. Richeson
G	Bobby J. Dennis
H	David W. VanCamp, et ux
I	BRC Appalachian Minerals I, LLC
J	Antero Mineral, LLC
K	Martha Elizabeth Matthews
L	David Wayne VanCamp, et ux
M	Jeffrey Seckman
N	Jon Keith Irvin
O	James D. VanCamp
P	Linda J. & Jack E. Mason
Q	David E. Bowyer
R	Christina L. Ebert
S	Gary A. Midcap, et ux
T	Gary A. Midcap, et ux
U	Lee Morgan
V	BRC Appalachian Minerals I, LLC
W	James D. VanCamp, et ux
X	MAP2012-OK
Y	William G. Baker
Z	Gary A. Midcap, et ux
AA	Mary F. Mutschelknaus
AB	Steven D. Higgins, et ux
AC	Beverly Kay Campbell
AD	Cider Run Mineral Holdings, LLC
AE	Don A. Stertzbach, et ux
AF	Michael Stillwagner
AG	Ridgetop Royalties

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