

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

Sheet 1 of 2



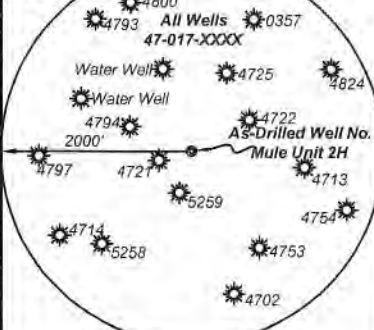
Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

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



Note: 2 water well was 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.

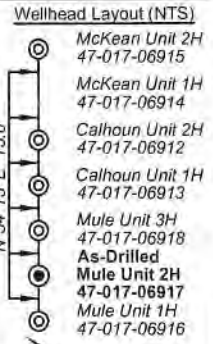


Legend	
	Proposed gas well
	Monument, as noted
	Existing Well, as noted
	Digitized Well, as noted
	Creek or Drain
	Road
	Surface boundary (approx.)
	Interior surface tracts (approx.)

3,647' to Top Hole  
 2,788' to Bottom Hole  
 TOP HOLE LATITUDE 39 - 20 - 00  
 BTM HOLE LATITUDE 39 - 17 - 30

**Notes**  
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. Mule Unit 2H Top Hole coordinates are  
 N: 299,182.40' Latitude: 39°18'52.33"  
 E: 1,642,690.97' Longitude: 80°45'46.41"  
 Bottom Hole coordinates are  
 N: 288,892.03' Latitude: 39°17'10.73"  
 E: 1,643,407.46' Longitude: 80°45'35.45"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,351,718.159m N: 4,348,586.827m  
 E: 520,455.474m E: 520,726.041m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.

**Mule Unit 2H As-Drilled POE Coordinates**  
 West Virginia Coordinate System of 1927, North Zone  
 N: 297,316.17'  
 E: 1,640,850.46'  
 Latitude: 39°18'33.63"  
 Longitude: 80°46'09.49"  
 UTM Zone 17, NAD 1983  
 N: 4,351,140.240m  
 E: 519,904.246m



Bearing	Dist.
L1 N 89°28' E	1,531.8'
L2 S 63°21' E	643.4'
L3 S 62°04' W	758.9'
L4 N 19°29' W	1,533.6'

FILE NO: 55-30-WU-14  
 DRAWING NO: Mule Unit 2H As-Drilled  
 SCALE: 1" = 1500'  
 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 20 2022  
 OPERATOR'S WELL NO. Mule Unit 2H  
 API WELL NO  
 47 - 017 - 06917  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built: 1,189' WATERSHED: Middle Island Creek QUADRANGLE: West Union  
 DISTRICT: West Union Antero  
 SURFACE OWNER: Midstream, LLC  
 ROYALTY OWNER: William A. Farr; James Lincoln Smith; Richard Lowther, et ux; WVDNR  
 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: 16,371' MD

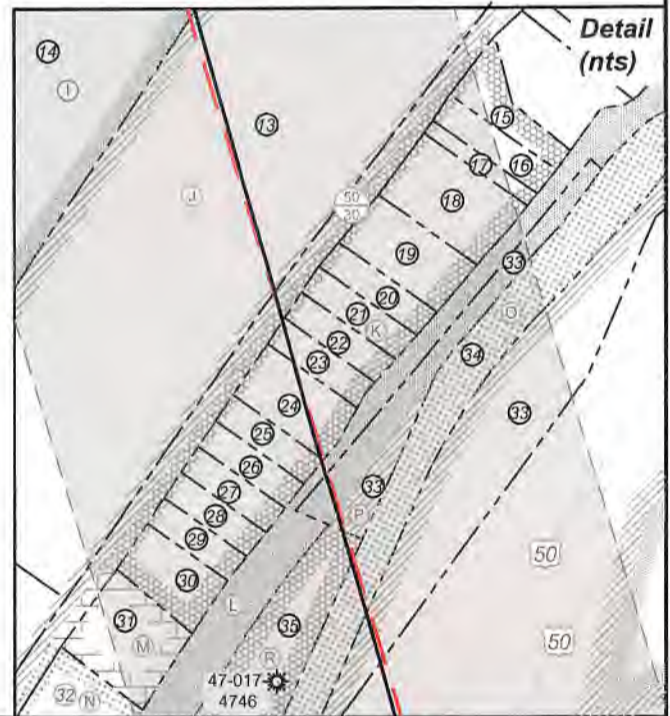
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis  
 ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oak Blvd.  
 Denver, CO 80202 Bridgeport, WV 26330

03/17/2023



Leases	
A	William A. Farr
B	William Ashburn Heirs
C	James Lincoln Smith
D	Roy E. Smith, et ux
E	Richard Lowther, et ux
F	Michael A. Swisher, et ux
G	Ernest Spence Shannon, et al
H	L. Donald Cinci, III
I	Ernest Spence Shannon, et al
J	Frank L. Butler
K	Winston Love Family Trust
L	WVDNR
M	Cherly Lynn Hall
N	James P. Pierce
O	WV State Rail Authority
P	Mary Agnes Phillips, et al
Q	WV DOT, Division of Highways
R	Key Oil Company & Frank L. Butler
S	AMP Fund III, LP
T	Four Leaf Land Company
U	R.S. Maxwell & Clarence E. Sigley Sr.

ID	TM/Par	Owner	Bk/Pg	Acres
1	7-18.1	Antero Midstream, LLC	346/612	45.8
2	7-18	Antero Midstream, LLC	387/708	116.54
3	7-29	Sharon A. Gaspar	W113/242	182.67
4	7-18.2	Brian D. and Patricia Sue Reed	392/472	1.34
5	7-18.3	Bryan & Ronda Ash	216/663	15.00
6	11-87	Amy B. & Howard Spurlock II	244/522	8.94
7	11-87.1	Amy B. & Howard Spurlock II	243/113	5.94
8	11-9	Shelia Jane Lynch Buck, et al	W8/35	56.25
9	11-7.1	Michael A. & Vivian L. Swisher	219/617	3.50
10	11-14	Rhoda Rene Fitzsimmons, et al	272/89	5.12
11	11-93	Rhoda Rene Fitzsimmons, et al	272/89	0.11
12	11-16	Rhoda Rene Fitzsimmons, et al	272/89	19.72
13	11-24	Clarence Ray Bonnell, et al	105/317	15.76
14	11-23	Justin E. & Melissa Ann Holtz	342/354	23.77
15	11-66	Monkey Row Trailer Park LLC	288/26	0.25
16	11-65.1	Monkey Row Trailer Park LLC	288/26	0.40
17	11-65	Monkey Row Trailer Park LLC	288/26	0.15
18	11-64	Monkey Row Trailer Park LLC	288/26	0.96
19	11-63	Monkey Row Trailer Park LLC	288/26	0.73
20	11-62	Monkey Row Trailer Park LLC	288/26	0.35
21	11-61	W. Randall Lynch & Dixie Craig	315/477	0.34
22	11-60	Ralph & Pamela Cutright	376/34	0.33
23	11-59	Ralph & Pamela Cutright	376/34	0.33
24	11-58	Janet M. Esposito, et al	W37/536	0.62
25	11-57	Patrick H. Bonnell	248/582	0.32
26	11-56	Robert O. Bonnell	229/184	0.30
27	11-55	Robert O. Bonnell	229/184	0.30
28	11-54	Mansfield Lee Leeson	282/339	0.29
29	11-53	Shelly G. Bonnell	275/367	0.29
30	11-52	Daniel L. Friend	274/34	0.51
31	11-51	Cheryl Lynn Hall	W89/488	1.00
32	11-50	Earl R. Daugherty	304/415	1.00
33	11-25	J. Charles & George J. Buff III, et al	377/517	6.02
34	11-95	WV Railroad Maintenance Authority	216/166	31.84
35	11-69.1	Franklin L. Butler	255/666	1.00
36	11-68	Earl R. Daugherty	286/205	5.00
37	11-25.1	J. Charles & George J. Buff III, et al	377/517	16.72
38	11-70	Four Leaf Land Co.	270/147	0.24
39	12-63	Karen M. Ireland Family L.P.	235/3	31.50
40	11-80	Karen M. Ireland Family L.P.	235/3	105.35
41	12-71.1	Franklin L. Butler & Key Oil Co.	256/324	81.91



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 DISTRICT: West Union Antero COUNTY: Doddridge **03/17/2023**  
 SURFACE OWNER: Midstream, LLC Four Leaf Land Company; R.S. Maxwell & Clarence E. Sigley, Sr.; Mary Agnes Phillips, et al; COUNTY: Doddridge ACREAGE: 45.8  
 ROYALTY OWNER: William A. Farr; James Lincoln Smith; Richard Lowther, et ux; WVDNR Winston Love Family Trust; Frank L. Butler; Key Oil Company & Frank L. Butler; WV State Rail Authority; Michael A. Swisher, et ux; Ernest Spence Shannon, et al ACREAGE: 137; 7.2; 17; 1.95  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,836' TVD  
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