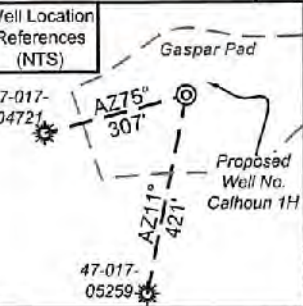


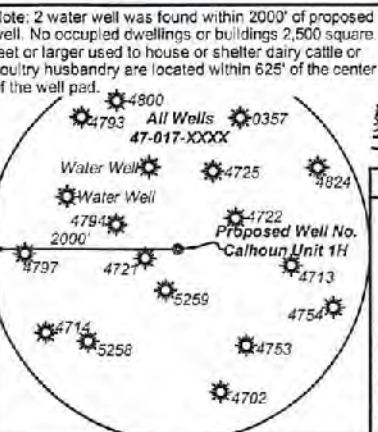
**Antero Resources  
Well No. Calhoun 1H**

Antero Resources Corporation



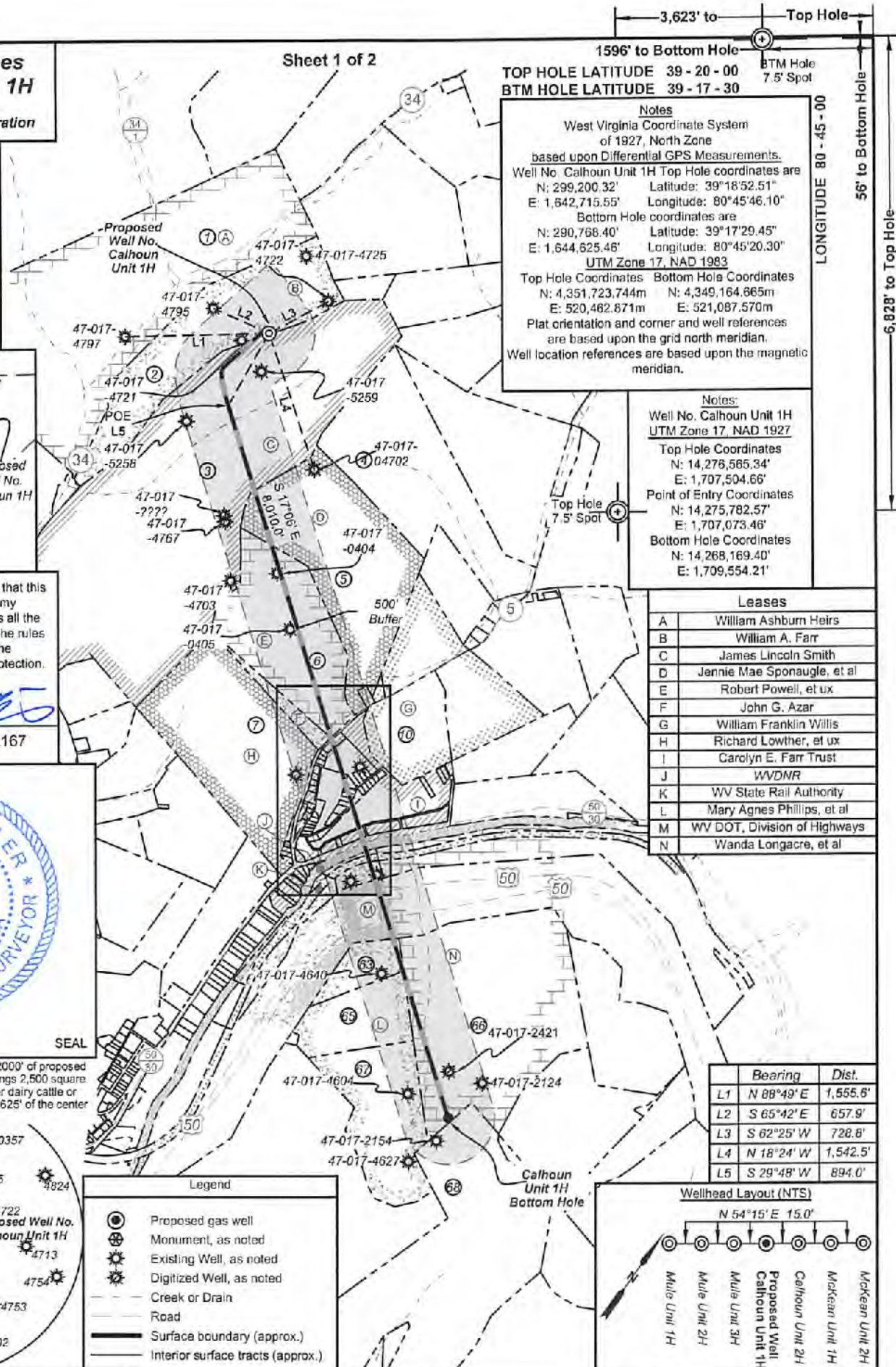
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

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



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.)



1596' to Bottom Hole  
3,623' to Top Hole

TOP HOLE LATITUDE 39 - 20 - 00  
BTM HOLE LATITUDE 39 - 17 - 30

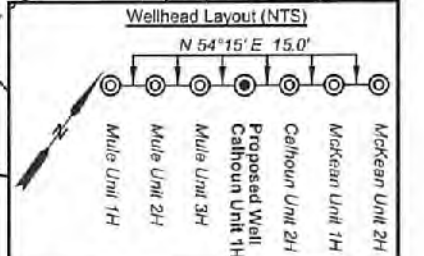
Notes  
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
Well No. Calhoun Unit 1H Top Hole coordinates are  
N: 299,200.32' Latitude: 39°18'52.51"  
E: 1,642,715.55' Longitude: 80°45'46.10"  
Bottom Hole coordinates are  
N: 290,766.40' Latitude: 39°17'29.45"  
E: 1,644,625.46' Longitude: 80°45'20.30"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,351,723.744m N: 4,349,164.865m  
E: 520,462.871m E: 521,087.570m  
Plat orientation and corner and well references are based upon the grid north meridian.  
Well location references are based upon the magnetic meridian.

Notes:  
Well No. Calhoun Unit 1H  
UTM Zone 17, NAD 1927  
Top Hole Coordinates  
N: 14,276,565.34'  
E: 1,707,504.66'  
Point of Entry Coordinates  
N: 14,275,782.57'  
E: 1,707,073.46'  
Bottom Hole Coordinates  
N: 14,268,169.40'  
E: 1,709,554.21'

Leases

A	William Ashburn Heirs
B	William A. Farr
C	James Lincoln Smith
D	Jennie Mae Sponaugle, et al
E	Robert Powell, et ux
F	John G. Azar
G	William Franklin Willis
H	Richard Lowther, et ux
I	Carolyn E. Farr Trust
J	WVDNR
K	WV State Rail Authority
L	Mary Agnes Phillips, et al
M	WV DOT, Division of Highways
N	Wanda Longacre, et al

Bearing	Dist.
L1 N 88°49' E	1,555.6'
L2 S 65°42' E	657.9'
L3 S 62°25' W	728.8'
L4 N 18°24' W	1,542.5'
L5 S 29°48' W	894.0'



FILE NO: 54-30-WU-14  
DRAWING NO: Calhoun Unit 1H Well Plat  
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: November 12 2021  
OPERATOR'S WELL NO. Calhoun Unit 1H  
API WELL NO  
47 - 017 - 06913  
STATE COUNTY PERMIT

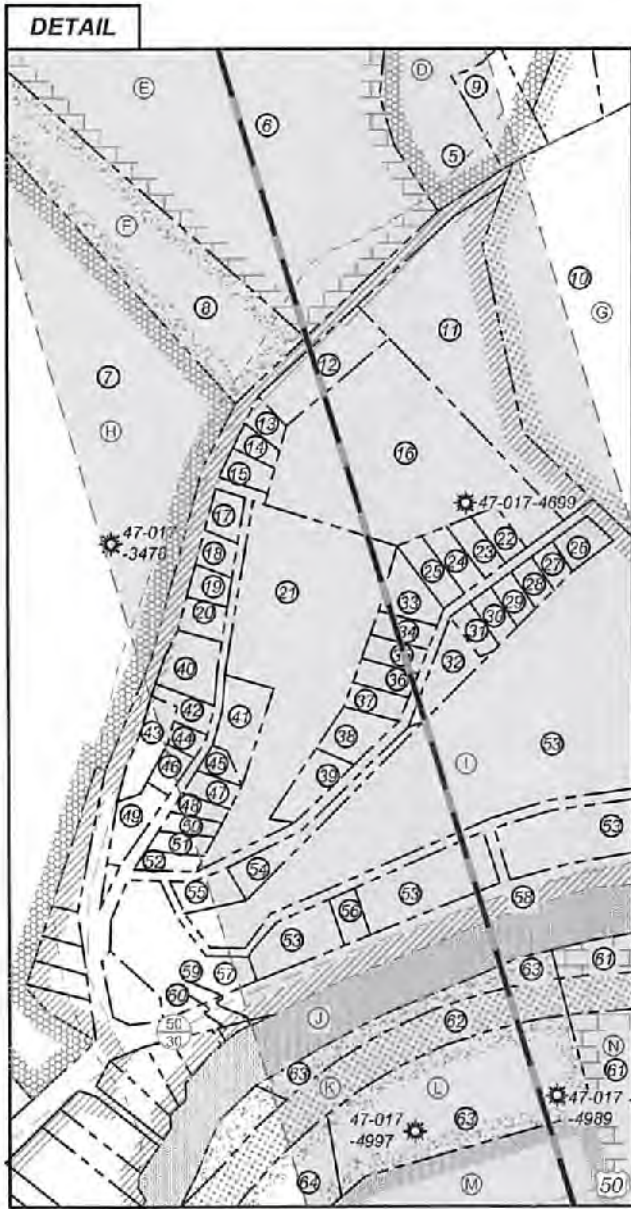
WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION: Existing: 1,216' Proposed: 1,189' WATERSHED: Middle Island Creek QUADRANGLE: West Union  
DISTRICT: West Union Antero COUNTY: Doddridge  
SURFACE OWNER: Midstream, LLC WV State Rail Authority; WVDNR COUNTY: Doddridge  
ROYALTY OWNER: William A. Farr; James Lincoln Smith; Jennie Mae Sponaugle, et al; John G. Azar. LEASE NO: ACREAGE: 45.8; 54.48; 54.48; 180; 50; 44; 6.145; 38; 301.19;  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,400' TVD  
17,000' 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

**Antero Resources  
Well No. Calhoun 1H**

Antero Resources Corporation



ID	TMPar	Owner	Bk/Pg	Acres
1	7-18	Antero Midstream, LLC	387/708	116.54
2	7-18.1	Antero Midstream, LLC	346/612	45.80
3	7-29	Sharon A. Gaspar	W113/242	182.67
4	8-31	Jacqueline D. & Gayford A. Cox	469/369	53.75
5	7-25	Robert W. Sponaugle, et al	369/496	49.50
6	11-8	Granville Jr. & Rose Mae Criss	317/43	44.15
7	11-9	Shelia Jane Lynch Buck, et al	W8/35	56.25
8	11-9.1	Leonard & Sheila Cash	387/31	6.14
9	7-25.1	Elden C. & Terese A. Sponaugle	349/701	0.50
10	12-1	Antero Midstream, LLC	378/34	18.90
11	34-3	Spencer Enterprises, LLC	261/512	2.13
12	34-2	Destiny Cheyenne Lambert	436/310	0.39
13	34-61	Destiny Cheyenne Lambert	436/310	0.10
14	34-60	Destiny Cheyenne Lambert	436/310	0.10
15	34-59	Destiny Cheyenne Lambert	436/310	0.10
16	34-82	Terri Lynn Whitehill	AP44/659	2.90
17	34-58	Terri Lynn Whitehill	AP44/659	0.10
18	34-57	Terri Lynn Whitehill	AP44/659	0.10
19	34-56	Terri Lynn Whitehill	AP44/659	0.10
20	34-55	Terri Lynn Whitehill	AP44/659	0.10
21	34-7	Terri Lynn Whitehill	AP44/659	3.00
22	34-82	Terri Lynn Whitehill	AP44/659	0.13
23	34-81	Terri Lynn Whitehill	AP44/659	0.15
24	34-80	Terri Lynn Whitehill	AP44/659	0.15
25	34-79	Terri Lynn Whitehill	AP44/659	0.16
26	34-90	Terri Lynn Whitehill	AP44/659	0.14
27	34-89	Terri Lynn Whitehill	AP44/659	0.10
28	34-88	Terri Lynn Whitehill	AP44/659	0.10
29	34-87	Terri Lynn Whitehill	AP44/659	0.11
30	34-86	Terri Lynn Whitehill	AP44/659	0.11
31	34-85	Terri Lynn Whitehill	AP44/659	0.11
32	34-84	Terri Lynn Whitehill	AP44/659	0.27
33	34-78	Terri Lynn Whitehill	AP44/659	0.19
34	34-77	Terri Lynn Whitehill	AP44/659	0.11
35	34-76	Terri Lynn Whitehill	AP44/659	0.11
36	34-75	Terri Lynn Whitehill	AP44/659	0.11
37	34-74	Terri Lynn Whitehill	AP44/659	0.11
38	34-73	Terri Lynn Whitehill	AP44/659	0.22
39	34-72	Terri Lynn Whitehill	AP44/659	0.23
40	34-8	Webb & Son, LLC	423/335	0.25
41	34-63	Terri Lynn Whitehill	AP44/659	0.30
42	34-54	Terri Lynn Whitehill	AP44/659	0.12
43	34-53.1	Cheryl L. Brunner	AP38/201	0.24
44	34-5	Terri Lynn Whitehill	AP44/659	0.07
45	34-84	Terri Lynn Whitehill	AP44/659	0.08
46	34-53	Terri Lynn Whitehill	AP44/659	0.10
47	34-65	Terri Lynn Whitehill	AP44/659	0.10
48	34-86	Terri Lynn Whitehill	AP44/659	0.10
49	34-52	Terri Lynn Whitehill	AP44/659	0.20
50	34-67	Terri Lynn Whitehill	AP44/659	0.10
51	34-68	Terri Lynn Whitehill	AP44/659	0.10
52	34-69	Terri Lynn Whitehill	AP44/659	0.10
53	34-98	Rossie & Eva Lowery	272/321	15.62
54	34-83	Terri Lynn Whitehill	AP44/659	0.20
55	34-70	Terri Lynn Whitehill	AP44/659	0.16
56	34-39	Roy F. Ruppert	122/141	0.17
57	34-8	Terri Lynn Whitehill	AP44/659	1.40
58	34-13	W. Va. D.O.H.	---/---	0.36
59	34-14	Terri Lynn Whitehill	AP44/659	0.03
60	34-24	Terri Lynn Whitehill	AP44/659	0.07
61	12-103	Barnes Siblings Property LLC	471/545	43.11
62	12-101	WV Railroad Maintenance Authority	216/166	11.30
63	11-26	Karen M. Ireland Family L.P.	235/3	11.80
64	11-25	J. Charles & George J. Buff III, et al	377/517	6.02
65	11-25.1	J. Charles & George J. Buff III, et al	377/517	16.72
66	12-50	Key Oil Co, et al	252/558	76.98
67	12-63	Karen M. Ireland Family L.P.	235/3	31.50
68	12-71.1	Franklin L. Butler & Key Oil Co.	256/324	81.91

FILE NO: 54-30-WU-14  
 DRAWING NO: Calhoun Unit 1H Well Plat  
 SCALE: 1" = 1500'  
 MINIMUM DEGREE OF ACCURACY:  
 Submeter  
 PROVEN SOURCE OF ELEVATION:  
 WVDOT, Harrisville, WV



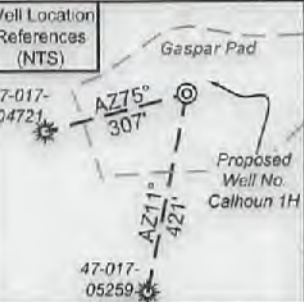
DATE: November 12 2021  
 OPERATOR'S WELL NO. Calhoun Unit 1H  
 API WELL NO  
 47 - 017 - 069/3  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: Existing: 1,216' Proposed: 1,189' WATERSHED: Middle Island Creek QUADRANGLE: West Union  
 DISTRICT: West Union Antero COUNTY: Doddridge  
 SURFACE OWNER: Midstream, LLC WV State Rail Authority, WVDNR  
 Wanda Longacre, et al; WV DOT, Division of Highway; ACREAGE: 45.8 54.48;  
 Robert Powell, et ux; Carolyn E. Farr Trust; Mary Agnes Phillips, et al; 6.145; 38; 301.19;  
 ROYALTY OWNER: William A. Farr, James Lincoln Smith; Jennie Mae Sponaugle, et al; John G. Azar, LEASE NO: ACREAGE: 92; 10.9; 115  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ 7,400' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 17,000' 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

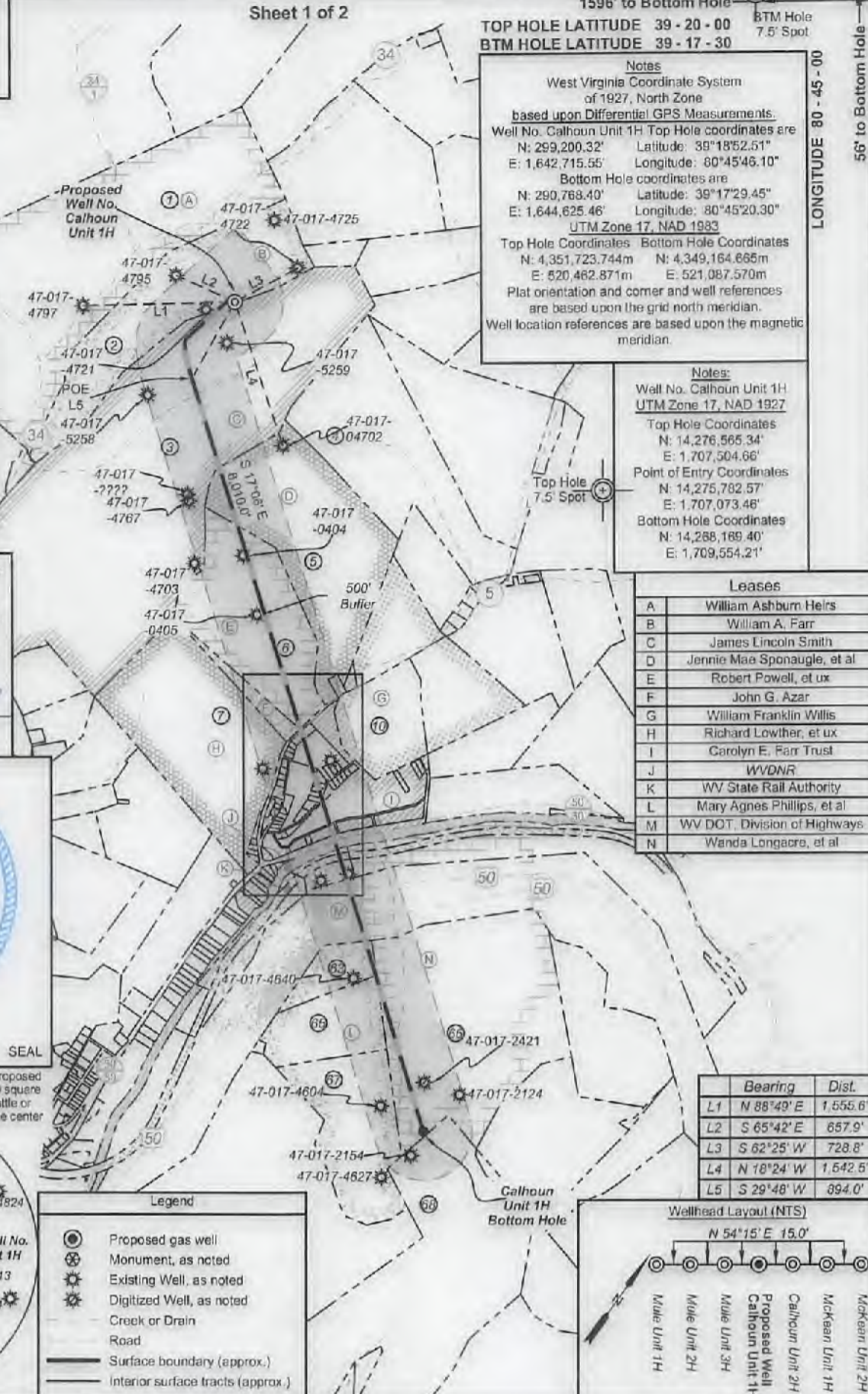
**Antero Resources  
Well No. Calhoun 1H**

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, P.S. 2167



**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.)

3,623' to Top Hole  
1596' to Bottom Hole  
TOP HOLE LATITUDE 39 - 20 - 00  
BTM HOLE LATITUDE 39 - 17 - 30  
BTM Hole 7.5' Spot  
LONGITUDE 80 - 45 - 00  
56' to Bottom Hole  
6,828' to Top Hole

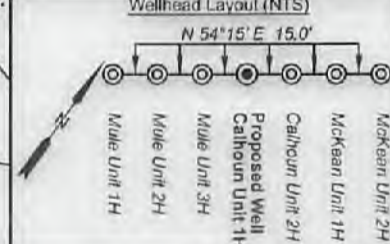
**Notes**  
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E: 1,642,715.55' Longitude: 80°45'46.10"  
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E: 1,644,625.46' Longitude: 80°45'20.30"  
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**Notes:**  
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N: 14,275,782.57'  
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N: 14,288,169.40'  
E: 1,709,554.21'

**Leases**

A	William Ashburn Heirs
B	William A. Farr
C	James Lincoln Smith
D	Jennie Mae Sponaugle, et al
E	Robert Powell, et ux
F	John G. Azar
G	William Franklin Willis
H	Richard Lowther, et ux
I	Carolyn E. Farr Trust
J	WVDNR
K	WV State Rail Authority
L	Mary Agnes Phillips, et al
M	WV DOT, Division of Highways
N	Wanda Longacre, et al

Bearing	Dist.
L1 N 88°49' E	1,555.6'
L2 S 65°42' E	657.9'
L3 S 62°25' W	728.8'
L4 N 18°24' W	1,542.5'
L5 S 29°48' W	894.0'



FILE NO: 54-30-WU-14  
DRAWING NO: Calhoun Unit 1H Well Plat  
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: November 12 20 21  
OPERATOR'S WELL NO. Calhoun Unit 1H  
API WELL NO  
47 - 017 - 06913  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: Existing: 1,216' Proposed: 1,189' WATERSHED: Middle Island Creek QUADRANGLE: West Union  
DISTRICT: West Union Antero COUNTY: Doddridge  
SURFACE OWNER: Midstream, LLC WV State Rail Authority; WVDNR  
ROYALTY OWNER: William A. Farr, James Lincoln Smith, Jennie Mae Sponaugle, et al, John G. Azar, LEASE NO: ACREAGE: 45.8  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,400' TVD  
ESTIMATED DEPTH: 17,000' 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

**Antero Resources  
Well No. Calhoun 1H**

Antero Resources Corporation



**DETAIL**



ID	TMPar	Owner	Bk/Pg	Acres
1	7-18	Antero Midstream, LLC	387/708	116.54
2	7-18.1	Antero Midstream, LLC	346/612	45.80
3	7-29	Sharon A. Gaspar	W113/242	182.67
4	8-31	Jacqueline D. & Gayford A. Cox	469/369	53.75
5	7-25	Robert W. Sponaugle, et al	369/496	49.50
6	11-8	Granville Jr. & Rose Mae Criss	317/43	44.15
7	11-9	Shelia Jane Lynch Buck, et al	W8/35	56.25
8	11-9.1	Leonard & Sheila Cash	387/31	6.14
9	7-25.1	Elden C. & Teresa A. Sponaugle	349/701	0.50
10	12-1	Antero Midstream, LLC	376/34	18.90
11	34-3	Spencer Enterprises, LLC	261/512	2.13
12	34-2	Destiny Cheyenne Lambert	436/310	0.39
13	34-61	Destiny Cheyenne Lambert	436/310	0.10
14	34-60	Destiny Cheyenne Lambert	436/310	0.10
15	34-59	Destiny Cheyenne Lambert	436/310	0.10
16	34-62	Terri Lynn Whitehill	AP44/659	2.90
17	34-58	Terri Lynn Whitehill	AP44/659	0.10
18	34-57	Terri Lynn Whitehill	AP44/659	0.10
19	34-56	Terri Lynn Whitehill	AP44/659	0.10
20	34-55	Terri Lynn Whitehill	AP44/659	0.10
21	34-7	Terri Lynn Whitehill	AP44/659	3.00
22	34-82	Terri Lynn Whitehill	AP44/659	0.13
23	34-81	Terri Lynn Whitehill	AP44/659	0.15
24	34-80	Terri Lynn Whitehill	AP44/659	0.15
25	34-79	Terri Lynn Whitehill	AP44/659	0.16
26	34-90	Terri Lynn Whitehill	AP44/659	0.14
27	34-89	Terri Lynn Whitehill	AP44/659	0.10
28	34-88	Terri Lynn Whitehill	AP44/659	0.10
29	34-87	Terri Lynn Whitehill	AP44/659	0.11
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31	34-85	Terri Lynn Whitehill	AP44/659	0.11
32	34-84	Terri Lynn Whitehill	AP44/659	0.27
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38	34-73	Terri Lynn Whitehill	AP44/659	0.22
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40	34-6	Webb & Son, LLC	423/335	0.25
41	34-63	Terri Lynn Whitehill	AP44/659	0.30
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43	34-53.1	Cheryl L. Brunner	AP38/201	0.24
44	34-5	Terri Lynn Whitehill	AP44/659	0.07
45	34-64	Terri Lynn Whitehill	AP44/659	0.08
46	34-53	Terri Lynn Whitehill	AP44/659	0.10
47	34-65	Terri Lynn Whitehill	AP44/659	0.10
48	34-66	Terri Lynn Whitehill	AP44/659	0.10
49	34-52	Terri Lynn Whitehill	AP44/659	0.20
50	34-67	Terri Lynn Whitehill	AP44/659	0.10
51	34-68	Terri Lynn Whitehill	AP44/659	0.10
52	34-69	Terri Lynn Whitehill	AP44/659	0.10
53	34-98	Rossie & Eva Lowery	272/321	15.62
54	34-83	Terri Lynn Whitehill	AP44/659	0.20
55	34-70	Terri Lynn Whitehill	AP44/659	0.16
56	34-39	Roy F. Ruppert	122/141	0.17
57	34-8	Terri Lynn Whitehill	AP44/659	1.40
58	34-13	W. Va. D.O.H.	---	0.36
59	34-14	Terri Lynn Whitehill	AP44/659	0.03
60	34-24	Terri Lynn Whitehill	AP44/659	0.07
61	12-103	Barnes Siblings Property LLC	471/545	43.11
62	12-101	WV Railroad Maintenance Authority	216/166	11.30
63	11-26	Karen M. Ireland Family L.P.	235/3	11.80
64	11-25	J. Charles & George J. Buff III, et al	377/517	6.02
65	11-25.1	J. Charles & George J. Buff III, et al	377/517	16.72
66	12-50	Key Oil Co, et al	252/559	76.98
67	12-63	Karen M. Ireland Family L.P.	235/3	31.50
68	12-71.1	Franklin L. Buller & Key Oil Co.	256/324	81.91

FILE NO: 54-30-WU-14  
 DRAWING NO: Calhoun Unit 1H Well Plat  
 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: November 12 20 21  
 OPERATOR'S WELL NO. Calhoun Unit 1H  
 API WELL NO  
 47 - 017 - 04915  
 STATE COUNTY PERMIT

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

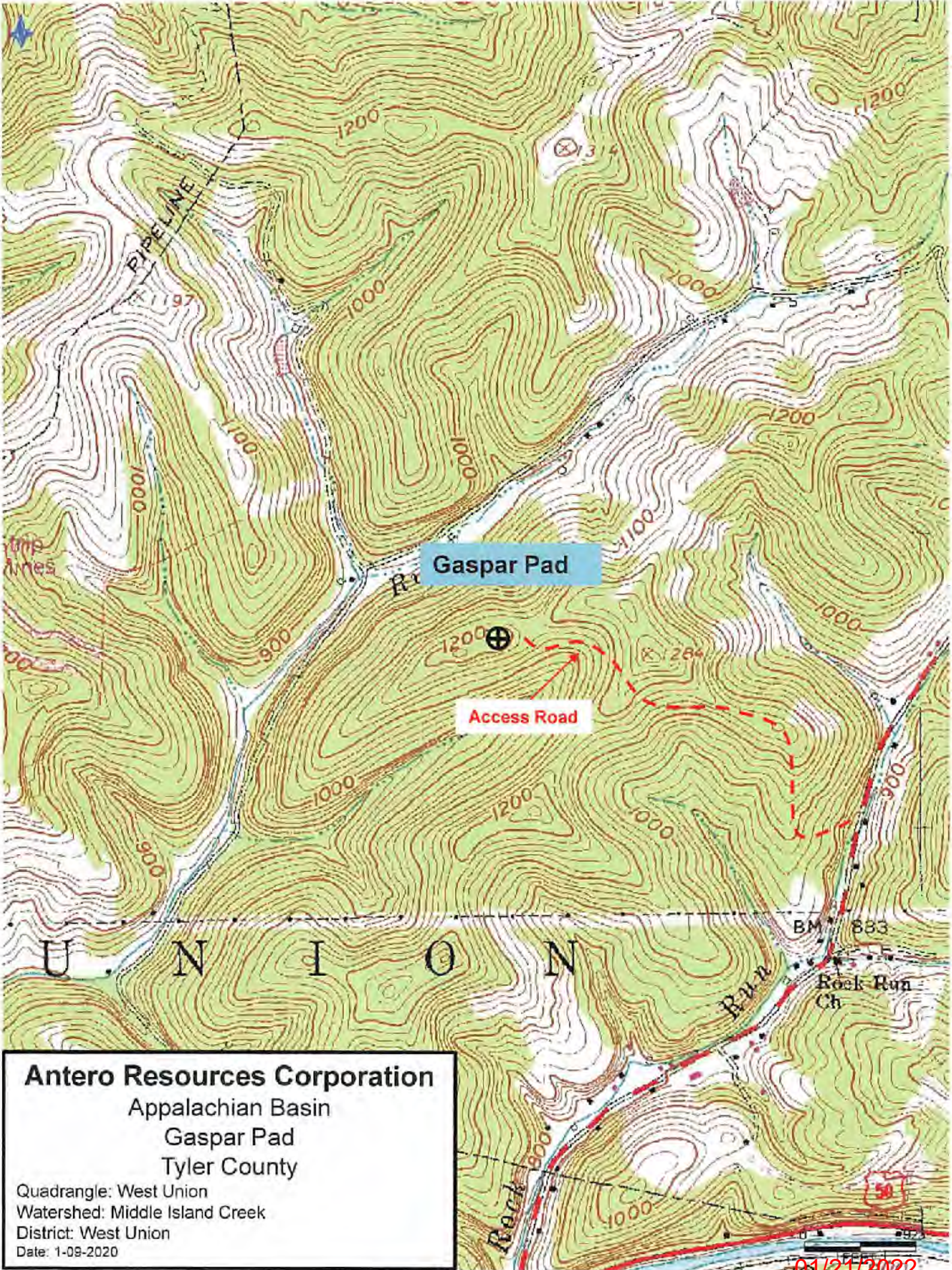
LOCATION: ELEVATION: Existing: 1,216' Proposed: 1,189' WATERSHED: Middle Island Creek QUADRANGLE: West Union

DISTRICT: West Union Antero COUNTY: Doddridge  
 SURFACE OWNER: Midstream, LLC WV State Rail Authority; WVDNR Wanda Longacre, et al; WV DOT, Division of Highway; Robert Powell, et ux; Carolyn E. Farr Trust; Mary Agnes Phillips, et al; ACREAGE: 45.8 54.48; 45.8; 180; 50; 44; 6.145; 38; 301.19;  
 ROYALTY OWNER: William A. Farr; James Lincoln Smith; Jennie Mae Sponaugle, et al; John G. Azar; LEASE NO: ACREAGE: 92; 10.9; 115

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

PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,400' TVD 17,000' 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



**Antero Resources Corporation**  
 Appalachian Basin  
 Gaspar Pad  
 Tyler County

Quadrangle: West Union  
 Watershed: Middle Island Creek  
 District: West Union  
 Date: 1-09-2020