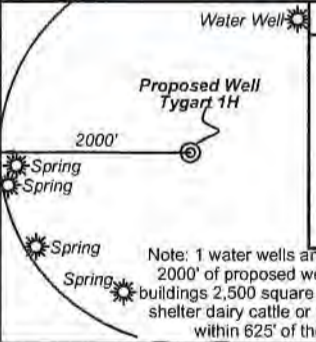


**Antero Resources**  
**Well No. Tygart 1H**  
**BHL MOD**  
 Antero Resources Corporation



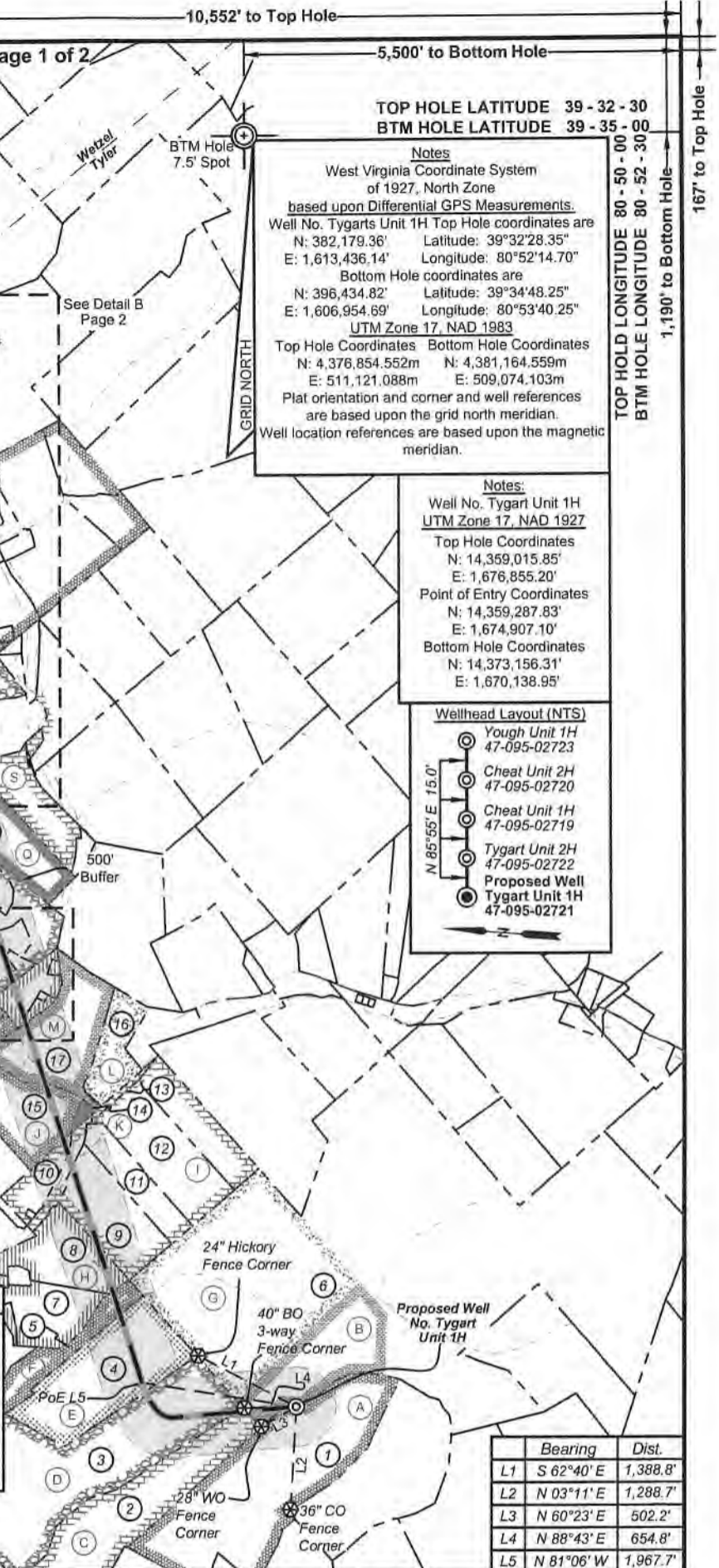
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

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



**Legend**

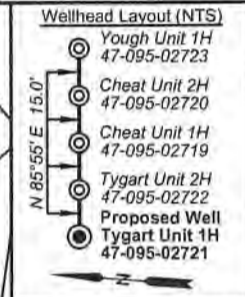
- Proposed gas well
- Monument, as noted
- Existing Well, as noted
- Creek or Drain
- Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)
- County Line



**TOP HOLE LATITUDE 39 - 32 - 30**  
**BTM HOLE LATITUDE 39 - 35 - 00**

**Notes**  
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. Tygart's Unit 1H Top Hole coordinates are  
 N: 382,179.36' Latitude: 39°32'28.35"  
 E: 1,613,436.14' Longitude: 80°52'14.70"  
 Bottom Hole coordinates are  
 N: 396,434.82' Latitude: 39°34'48.25"  
 E: 1,606,954.69' Longitude: 80°53'40.25"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates: Bottom Hole Coordinates  
 N: 4,376,854.552m N: 4,381,164.559m  
 E: 511,121.088m E: 509,074.103m  
 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. Tygart Unit 1H UTM Zone 17, NAD 1927  
 Top Hole Coordinates  
 N: 14,359,015.85'  
 E: 1,676,855.20'  
 Point of Entry Coordinates  
 N: 14,359,287.83'  
 E: 1,674,907.10'  
 Bottom Hole Coordinates  
 N: 14,373,156.31'  
 E: 1,670,138.95'



	Bearing	Dist.
L1	S 62°40' E	1,388.8'
L2	N 03°11' E	1,288.7'
L3	N 60°23' E	502.2'
L4	N 88°43' E	654.8'
L5	N 81°06' W	1,967.7'

FILE NO: 82-54-E-19  
 DRAWING NO: Tygart Unit 1H BHL MOD  
 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 17 2020  
 OPERATOR'S WELL NO. Tygart 1H  
 API WELL NO  
 47 - 095 - 02721  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,128' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Top Hole:Porter Falls 76.25; 48.5; 100; 33.8125; 42.24; 16; 52.186; 98.2; 107.188; 33.76; 17.26250; 151.08; 109.875; 24; 23.87; 62.875; 42.3; 15.3262; 101.5; 208.00; 100;  
 DISTRICT: Ellsworth COUNTY: Tyler  
 SURFACE OWNER: Patricia Ann Heintzman Kay Christen; Victor Herbert Boyd, II; Sherry Lynn Chehren; Sybil Mae Gorbey; Kerry Lemasters, et ux; James D. Vancamp, et ux (3); James D. VanCamp, et al (4); Elizabeth B. Trosch; BRC Appalachian Minerals I, LLC (2); Richard A. Mercer; ACREAGE: 73.26  
 ROYALTY OWNER: Patricia Ann Heintzman (2); John E. Roberts; Norma Smith; Michael Scott Mercer, et ux; 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) BHL MOD 7,000' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,100' MD

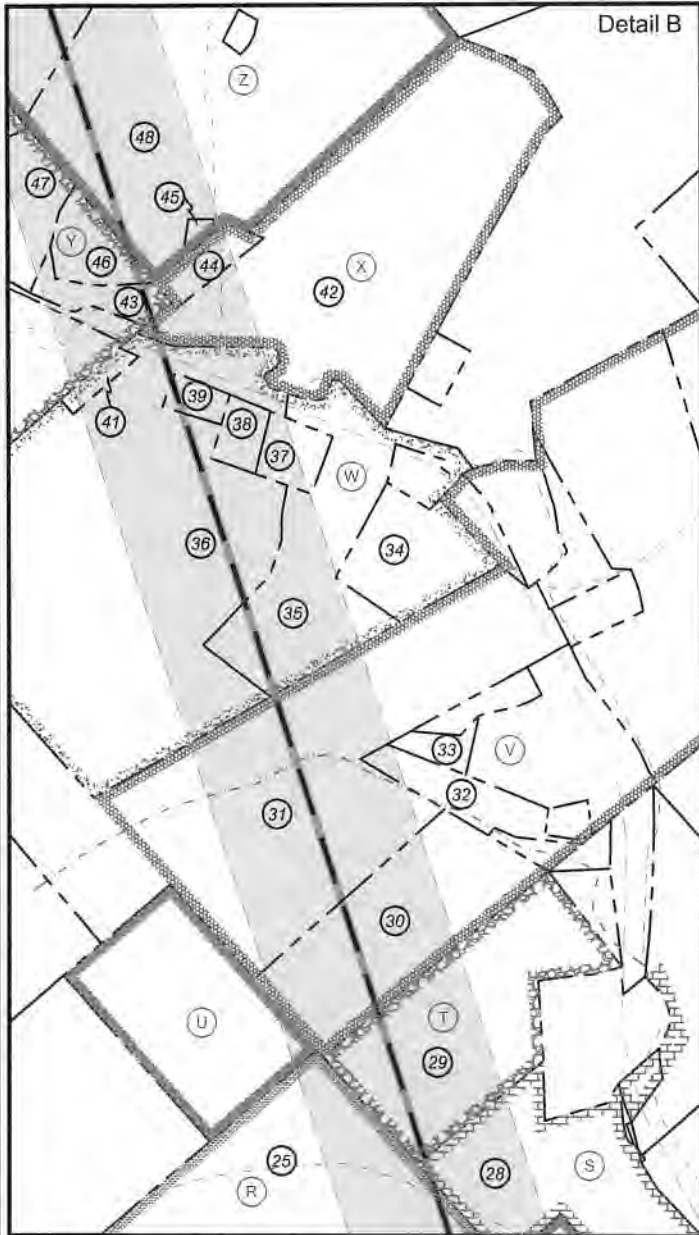
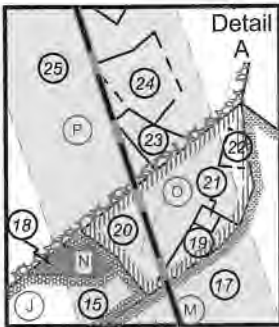
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System  
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road  
 Denver, CO 80202 Charleston, WV 25313

**Antero Resources  
Well No. Tygart 1H  
BHL MOD**

Antero Resources Corporation



Leases			
A	Patricia Ann Heintzman	O	James D. VanCamp, et al
B	Norma Smith	P	Kay Christen
C	Patricia Ann Heintzman	Q	James D. VanCamp, et ux
D	John E. Roberts	R	James D. VanCamp, et ux
E	Michael Scott Mercer, et ux	S	James D. VanCamp, et al
F	Richard A. Mercer	T	Sybil Mae Gorby
G	Dennis R. Heintzman, et ux	U	OPEN
H	Elizabeth B. Trosch	V	James D. VanCamp, et al
I	BRC Appalachian Minerals I, LLC	W	BRC Appalachian Minerals I, LLC
J	James D. VanCamp, et al	X	James D. VanCamp, et ux
K	Waco Oil & Gas Company, Inc.	Y	Victor Herbert Boyd, II
L	James D. VanCamp, et al	Z	Sherry Lynn Chefred
M	Kerry Lemasters, et ux	AA	OPEN
N	James D. VanCamp, et al		



ID	TM/Par	Owner	Bk/Pg	Acres
1	10-2	Patricia Ann Heintzman	W13/384	73.26
2	10-1	Patricia Ann Heintzman	150/15	48.50
3	10-64	John E Roberts	W30/108	100.00
4	6-40	Alan D. Wyke	W40/195	42.20
5	9-13	Richard A. Mercer	321/197	16.00
6	6-36	Dennis & Clista Heintzman	297/640	417.60
7	6-41	Donald E. Forrester	125/421	20.05
8	6-39	Donald E. Forrester	242/39	30.00
9	6-35	Donald E. Forrester	343/381	25.75
10	6-34	John Stanley Starkey	39/200	6.11
11	6-35.1	Stephen & Andriea Knowlton	289/20	13.32
12	6-35.2	Stephen & Andriea Knowlton	224/77	29.02
13	6-35.3	Stephen & Andriea Knowlton	224/77	3.00
14	6-23.2	Larry R. Henthorn	584/138	1.27
15	6-23	Randall Dennis, et al	W70/660	42.30
16	6-16.2	Stephen J. & Andriea Knowlton	211/375	13.30
17	6-16	Kerry & Barbara Lemasters	215/548	33.76
18	6-23.1	Jeffery & Tarina Morris	346/47	1.06
19	6-16.7	Terry Andrew Jackson	388/271	1.23
20	6-16.1	James W. & Geneva Lancaster	443/639	3.44
21	6-16.6	Terry Andrew Jackson	388/271	0.25
22	6-16.8	James W. & Geneva Lancaster	443/639	0.55
23	6-22.1	Charles E. Dennis	348/160	1.25
24	6-22.3	Roger & Nadine Greathouse	334/770	2.61
25	6-22	Patricia Ann Greathouse	W38/671	169.90
26	6-22.3	Lucinda J. Greathouse	350/674	10.00
27	6-14	James D. VanCamp, et al	W38/144	24.00
28	6-3	James D. VanCamp, et al	W38/144	23.87
29	6-1	Sybil Gorby	175/265	17.26
30	5-1	James D. VanCamp, et al	W38/144	39.00
31	2-11	Rosalie B. Henry	W35/616	61.54
32	3-44.4	Tylor D. Hostuttler	592/109	4.00
33	3-44.3	Wm J. & Melissa A. Buckhanan	299/515	1.88
34	3-47	Donna & Matthew Cecil	462/582	8.61
35	2-8.4	Jonathan & Mary Belle Pittman	186/170	21.14
36	2-8	Jonathan & Mary Belle Pittman	186/170	70.93
37	2-8.5	Stanley G. Pittman	327/751	3.68
38	2-8.3	Teresa A. Morris	343/390	1.82
39	2-8.2	Martha A. Pittman	345/745	1.26
40	5-63.2	Jesse D. King & Melinda A. King	343/812	33.97
41	2-8.1	Mary Belle & Jonathan Pittman	164/352	0.92
42	3-48	Linda Hoover	356/233	45.00
43	2-6.1	Mera Lynn & William Kunkel	369/064	2.55
44	2-9	Linda L. Hoover	356/233	1.57
45	2-1.2	Donald E. Virden Jr.	421/281	0.41
46	2-6	Lou Ann & Donald E. Virden Jr.	421/281	3.42
47	2-5	Cindy L. & Charles T. White Jr.	309/25	9.52
48	2-1.1	Donald E. Virden, Jr.	421/281	68.20
49	2-4.2	Larry H. Kimble	W36/539	5.87
50	2-3.1	Dawn M. & Howard F. Myers Jr.	328/701	1.58
51	2-2	John William & Rhonda L. Burton	380/341	7.20
52	2-1	Donald E. Virden, Jr.	421/281	30.84
53	5-64	Ridgetop Capital II, LP	382/393	80.38

FILE NO: 82-54-E-19  
 DRAWING NO: Tygart Unit 1H BHL MOD  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY:  
Submeter  
 PROVEN SOURCE OF ELEVATION:  
WVDOT, Harrisville, WV



DATE: December 17 2020  
 OPERATOR'S WELL NO. Tygart 1H  
 API WELL NO  
47 - 095 - 02721  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,126' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Top Hole:Porter Falls 76.25; 48.5; 100;  
District: Ellsworth Bottom Hole:Paden City 33.8125; 42.24; 16;

SURFACE OWNER: Patricia Ann Heintzman COUNTY: Tyler  
 ROYALTY OWNER: Patricia Ann Heintzman (2); John E. Roberts; Norma Smith; Michael Scott Mercer, et ux; ACREAGE: 73.26  
 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) BHL MOD 7,000' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,100' 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

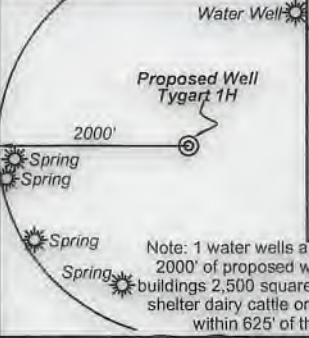
**Antero Resources  
Well No. Tygart 1H  
BHL MOD**  
Antero Resources Corporation



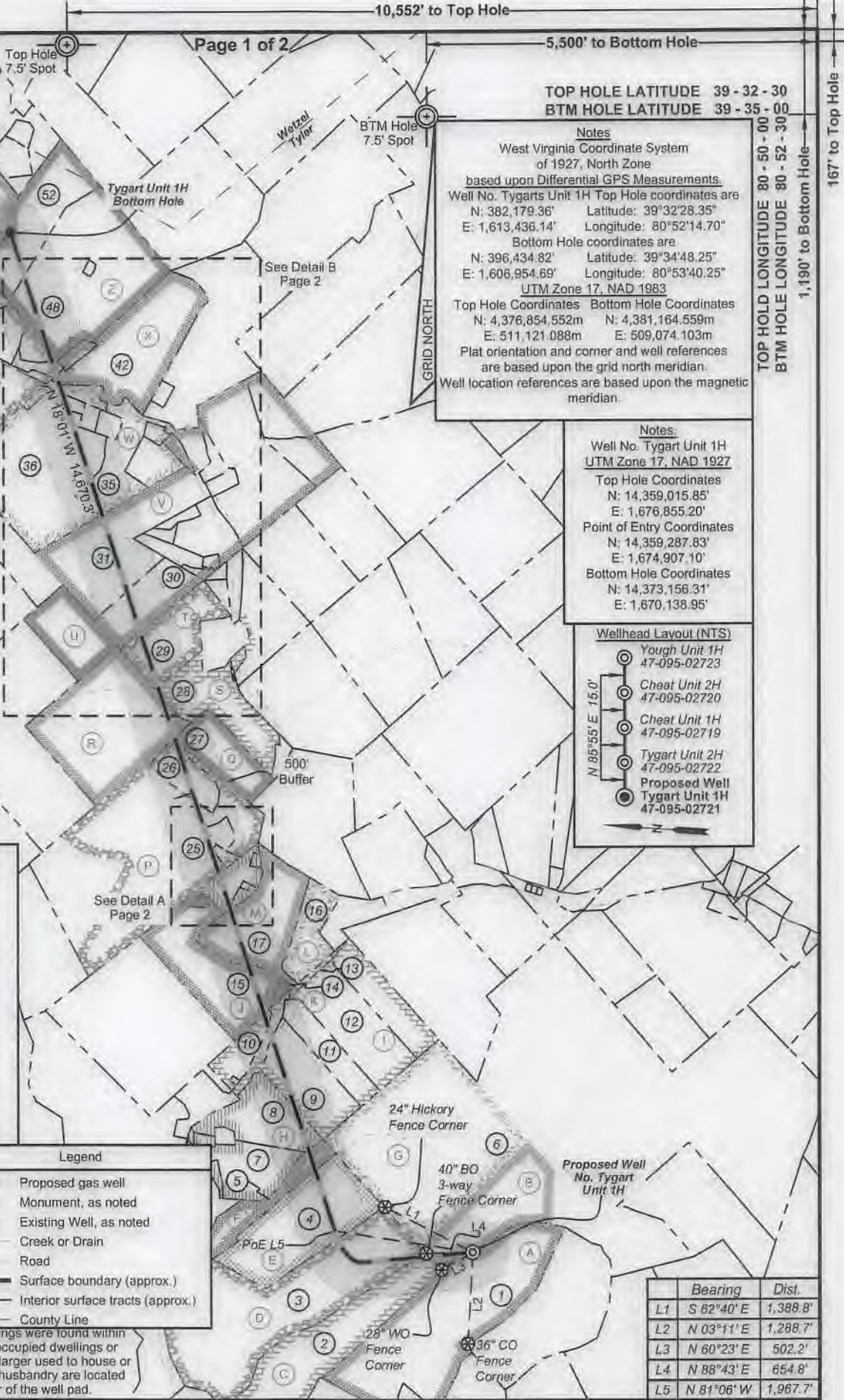
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

*Bradley D. Miller*

Bradley D. Miller, P.S. 2167



Note: 1 water wells and 4 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.



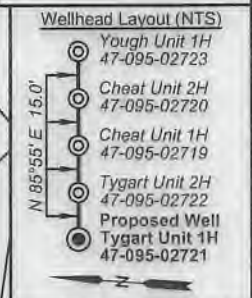
10,552' to Top Hole  
5,500' to Bottom Hole

TOP HOLE LATITUDE 39 - 32 - 30  
BTM HOLE LATITUDE 39 - 35 - 00

Notes  
West Virginia Coordinate System of 1927, North Zone  
based upon Differential GPS Measurements.  
Well No. Tygart's Unit 1H Top Hole coordinates are  
N: 382,179.36' Latitude: 39°32'28.35"  
E: 1,613,436.14' Longitude: 80°52'14.70"  
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E: 1,606,954.69' Longitude: 80°53'40.25"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates: Bottom Hole Coordinates  
N: 4,376,854.552m N: 4,381,164.559m  
E: 511,121.088m E: 509,074.103m  
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 LONGITUDE 80 - 50 - 00  
BTM HOLE LONGITUDE 80 - 52 - 30  
1,190' to Bottom Hole  
167' to Top Hole

Notes:  
Well No. Tygart Unit 1H  
UTM Zone 17, NAD 1927  
Top Hole Coordinates  
N: 14,359,015.85'  
E: 1,676,855.20'  
Point of Entry Coordinates  
N: 14,359,287.83'  
E: 1,674,907.10'  
Bottom Hole Coordinates  
N: 14,373,156.31'  
E: 1,670,138.95'



	Bearing	Dist.
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L4	N 88°43' E	654.8'
L5	N 81°06' W	1,967.7'

FILE NO: 82-54-E-19  
DRAWING NO: Tygart Unit 1H BHL MOD  
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 17, 2020  
OPERATOR'S WELL NO. Tygart 1H  
API WELL NO. ~~NA~~ 47-095-02721  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,126' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Top Hole:Porter Falls  
DISTRICT: Ellsworth BTM Hole:Paden City 76.25; 48.5; 100; 33.8125; 42.24; 16; 52.186; 98.2; 107.188; 33.76; 17.26250; 151.08; 109.875; 24; 23.87; 62.875; 42.3; 15.3252; 101.5; 208.00; 100;

SURFACE OWNER: Patricia Ann Heintzman Kay Christen; Victor Herbert Boyd, II; Sherry Lynn Cheffren; Sybil Mae Gorby; Kerry Lemasters, et ux; James D. Vancamp, et ux (3); James D. VanCamp, et al (4); Elizabeth B. Trosch; BRC Appalachian Minerals I, LLC (2); Richard A. Mercer; ACREAGE: 73.26

ROYALTY OWNER: Patricia Ann Heintzman (2); John E. Roberts; Norma Smith; Michael Scott Mercer, et ux; 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) BHL MOD 7,000' TVD

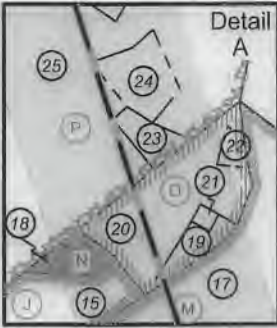
PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,100' MD

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. Tygart 1H**  
**BHL MOD**  
 Antero Resources Corporation



Leases			
A	Patricia Ann Heintzman	O	James D. VanCamp, et al
B	Norma Smith	P	Kay Christen
C	Patricia Ann Heintzman	Q	James D. VanCamp, et ux
D	John E. Roberts	R	James D. VanCamp, et ux
E	Michael Scott Mercer, et ux	S	James D. VanCamp, et al
F	Richard A. Mercer	T	Sybil Mae Gorby
G	Dennis R. Heintzman, et ux	U	OPEN
H	Elizabeth B. Trosch	V	James D. VanCamp, et al
I	BRC Appalachian Minerals I, LLC	W	BRC Appalachian Minerals I, LLC
J	James D. VanCamp, et al	X	James D. VanCamp, et ux
K	Waco Oil & Gas Company, Inc.	Y	Victor Herbert Boyd, II
L	James D. VanCamp, et al	Z	Sherry Lynn Chefren
M	Kerry Lemasters, et ux	AA	OPEN
N	James D. VanCamp, et al		



ID	TM/Par	Owner	Bk/Pg	Acres
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8	6-39	Donald E. Forrester	242/39	30.00
9	6-35	Donald E. Forrester	343/381	25.75
10	6-34	John Stanley Starkey	39/200	6.11
11	6-35.1	Stephen & Andriea Knowlton	289/20	13.32
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18	6-23.1	Jeffery & Tarina Morris	346/47	1.06
19	6-16.7	Terry Andrew Jackson	388/271	1.23
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21	6-16.6	Terry Andrew Jackson	388/271	0.25
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46	2-6	Lou Ann & Donald E. Virden Jr.	421/281	3.42
47	2-5	Cindy L. & Charles T. White Jr.	309/25	9.52
48	2-1.1	Donald E. Virden, Jr.	421/281	68.20
49	2-4.2	Larry H. Kimble	W36/539	5.87
50	2-3.1	Dawn M. & Howard F. Myers Jr.	328/701	1.58
51	2-2	John William & Rhonda L. Burton	380/341	7.20
52	2-1	Donald E. Virden, Jr.	421/281	30.84
53	5-64	Ridgetop Capital II, LP	382/399	80.38

FILE NO: 82-54-E-19  
 DRAWING NO: Tygart Unit 1H BHL MOD  
 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 17 2020  
 OPERATOR'S WELL NO. Tygart 1H  
 API WELL NO **MoD**  
 47 - 095 - 02721  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,126' WATERSHED: Outlet Middle Island Creek QUADRANGLE: BTM Hole: Paden City 76.25; 48.5; 100;  
 DISTRICT: Ellsworth COUNTY: Tyler 33.8125; 42.24; 16;  
 SURFACE OWNER: Patricia Ann Heintzman Kay Christen; Victor Herbert Boyd, II; Sherry Lynn Chefren; Sybil Mae Gorby; 52.186; 98.2; 107.188;  
 ROYALTY OWNER: Patricia Ann Heintzman (2); John E. Roberts; Norma Smith; Michael Scott Mercer, et ux; 33.76; 17.26250; 151.08;  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 109.875; 24; 23.87;  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,100' MD 62.875; 42.3; 15.3262;  
 101.5; 208.00; 100

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