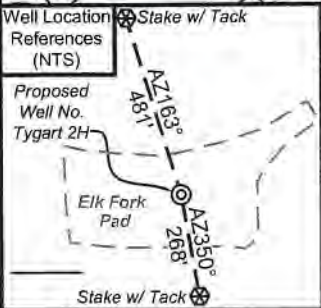
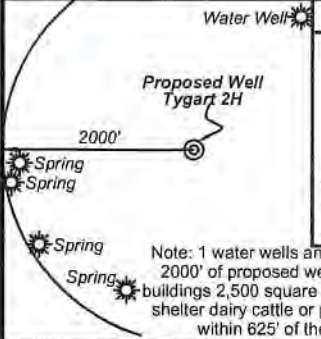


**Antero Resources
Well No. Tygart 2H
BHL MOD**
Antero Resources Corporation



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.

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

FILE NO: 82-54-E-19
DRAWING NO: Tygart Unit 2H 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 2H
API WELL NO
47 - 095 - 02722
STATE COUNTY PERMIT

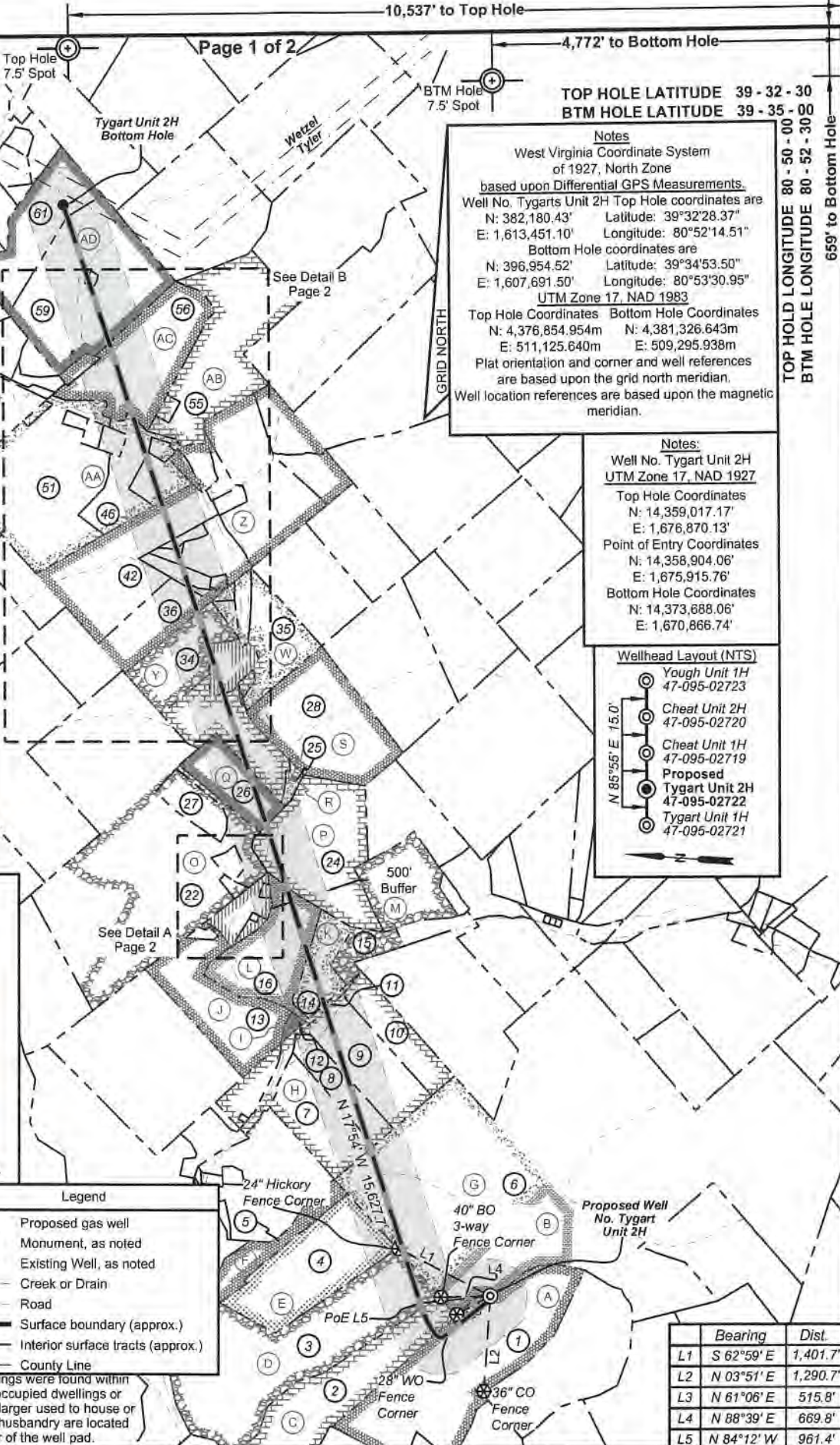
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: As-Built 1,126' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Top Hole:Porter Falls
DISTRICT: Ellsworth BTM Hole:Paden City

SURFACE OWNER: Patricia Ann Heintzman James D. VanCamp, et al (5); Kerry Lemasters, et ux; James D. VanCamp, et ux (3); Sherry Lynn Chefren; BRC Appalachian Minerals I, LLC (2);
ROYALTY OWNER: Patricia Ann Heintzman (2); John E. Roberts; Dennis R. Heintzman, et ux; Sybil Mae Gorb; LEASE NO: ACREAGE: 73.26
33.76; 76.25; 48.5; 100; 93.8985; 13.3; 24; 23.87; 47.5; 6.4; 109.875; 151.08; 98.2; 107.188; 17.2625; 100;

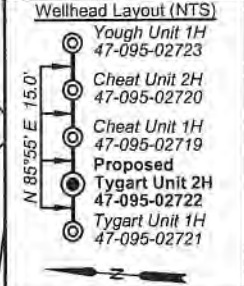
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 7,000' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,200' MD

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



Notes
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Tygart's Unit 2H Top Hole coordinates are
N: 382,180.43' Latitude: 39°32'28.37"
E: 1,613,451.10' Longitude: 80°52'14.51"
Bottom Hole coordinates are
N: 396,954.52' Latitude: 39°34'53.50"
E: 1,607,691.50' Longitude: 80°53'30.95"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,376,854.954m N: 4,381,326.643m
E: 511,125.640m E: 509,295.938m
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 2H UTM Zone 17, NAD 1927
Top Hole Coordinates
N: 14,359,017.17'
E: 1,676,870.13'
Point of Entry Coordinates
N: 14,358,904.06'
E: 1,675,915.76'
Bottom Hole Coordinates
N: 14,373,888.06'
E: 1,670,866.74'



	Bearing	Dist.
L1	S 62°59' E	1,401.7'
L2	N 03°51' E	1,290.7'
L3	N 61°06' E	515.8'
L4	N 88°39' E	669.8'
L5	N 84°12' W	961.4'

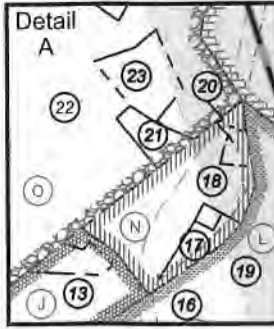
166' to Top Hole
659' to Bottom Hole

Page 1 of 2

10,537' to Top Hole

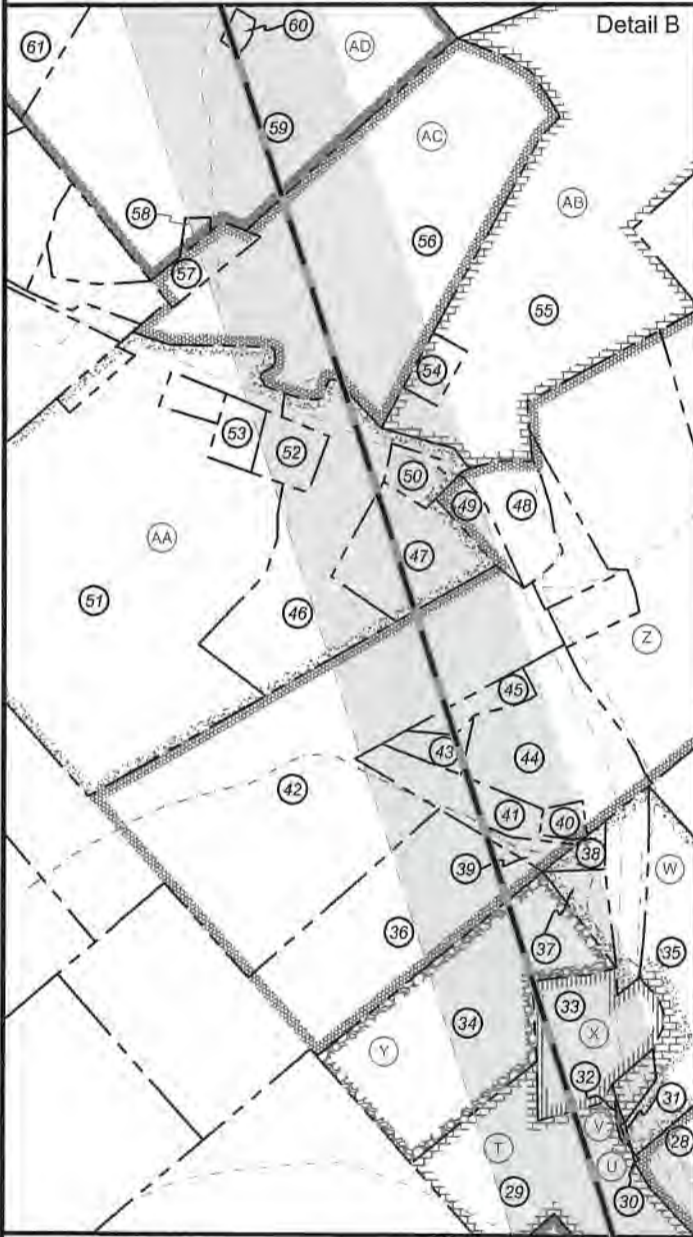
4,772' to Bottom Hole

Antero Resources
Well No. Tygart 2H
BHL MOD
 Antero Resources Corporation



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

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	6-35	Donald E. Forrester	343/381	25.75
8	6-35.1	Stephen & Andria Knowlton	289/20	13.32
9	6-35.2	Stephen & Andria Knowlton	224/77	29.02
10	6-35.4	Stephen & Andria Knowlton	340/412	17.46
11	6-35.3	Stephen & Andria Knowlton	224/77	3.00
12	6-23.2	Larry R. Henthorn	584/138	1.27
13	6-23	Randall Dennis, et al	W70/660	42.30
14	6-16.2	Stephen J. & Andria Knowlton	211/375	13.30
15	6-16.3	Michael L. Roberts	407/45	14.81
16	6-16	Kerry & Barbara Lemasters	215/548	33.76
17	6-16.7	Terry Andrew Jackson	388/271	1.23
18	6-16.1	James W. & Geneva Lancaster	443/639	3.44
19	6-16.6	Terry Andrew Jackson	388/271	0.25
20	6-16.8	James W. & Geneva Lancaster	443/639	0.55
21	6-22.1	Charles E. Dennis	348/160	1.25
22	6-22	Patricia Ann Greathouse	W38/671	169.90
23	6-22.2	Roger & Nadine Greathouse	334/770	2.61
24	6-15	James D. VanCamp, et al	W38/144	47.50
25	6-15.1	James D. VanCamp, et ux	174/451	2.28
26	6-14	James D. VanCamp, et al	W38/144	24.00
27	6-22.3	Lucinda J. Greathouse	350/674	10.00
28	6-4	James D. Vancamp, et al	W38/144	46.76
29	6-3	James D. Vancamp, et al	W38/144	23.87
30	6-3.2	Wayne L. Wade	220/322	0.05
31	6-3.3	Wayne L. Wade	220/322	0.03
32	6-3.4	Wayne L. Wade	268/478	0.12
33	6-2	Joel A. Prosser	387/736	6.64
34	6-1	Sybil Gorby	175/265	17.26
35	3-43	Joel A Prosser	387/736	23.62
36	5-1	James D. VanCamp, et al	W38/144	39.00
37	3-43.2	Larry & Kimberly Henthorn	642/513	2.05
38	3-43.1	Janet Johnson	W29/203	0.90
39	3-44.1	Tylor D. Hostuttler	592/109	0.98
40	3-44.2	Gary A & Penny K Midcap	272/632	0.88
41	3-44.4	Tylor D. Hostuttler	592/109	4.00
42	2-11	Rosalie B. Henry	W35/616	61.54
43	3-44.3	Wm J. & Melissa A. Buchanan	299/515	1.88
44	3-44	Jamie Leigh Parks	337/784	9.86
45	3-44.5	W.J. & Melissa Buchanan	326/348	1.72
46	2-8.4	Jonathan & Mary Belle Pittman	186/170	21.14
47	3-47	Donna & Matthew Cecil	462/582	8.61
48	3-46.1	Pamela R. Nelson-Lansford	328/699	2.96
49	3-46	Vada R Hart	40/469	1.54
50	3-47.1	Jack L. Throck-Morton	462/582	1.33
51	2-8	Jonathan & Mary Belle Pittman	186/170	70.93
52	2-8.5	Stanley G. Pittman	327/751	3.68
53	2-8.3	Teresa A. Morris	343/390	1.82
54	3-12.1	Josephine Kunkel	286/75	1.90
55	3-12	Lomax R. Kunkel	297/692	57.51
56	3-48	Linda Hoover	356/233	45.00
57	2-9	Linda L. Hoover	356/233	1.57
58	2-1.2	Donald E. Virden Jr.	421/281	0.41
59	2-1.1	Donald E. Virden, Jr.	421/281	68.20
60	2-1.3	Lou Ann & Donald E. Virden Jr.	325/907	0.55
61	2-1	Donald E. Virden, Jr.	421/281	30.84



FILE NO: 82-54-E-19
 DRAWING NO: Tygart Unit 2H 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 2H
 API WELL NO
47 - 095 - 02722
 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
 DISTRICT: Ellsworth COUNTY: Tyler 33.76; 76.25; 48.5; 100;

SURFACE OWNER: Patricia Ann Heintzman James D. VanCamp, et al (5); Kerry Lemasters, et ux; James D. VanCamp, et ux (3); Sherry Lynn Chefren; BRC Appalachian Minerals I, LLC (2); LEASE NO: _____ ACREAGE: _____
 ROYALTY OWNER: Patricia Ann Heintzman (2); John E. Roberts; Dennis R. Heintzman, et ux; Sybil Mae Gorby; 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: 24,200' MD

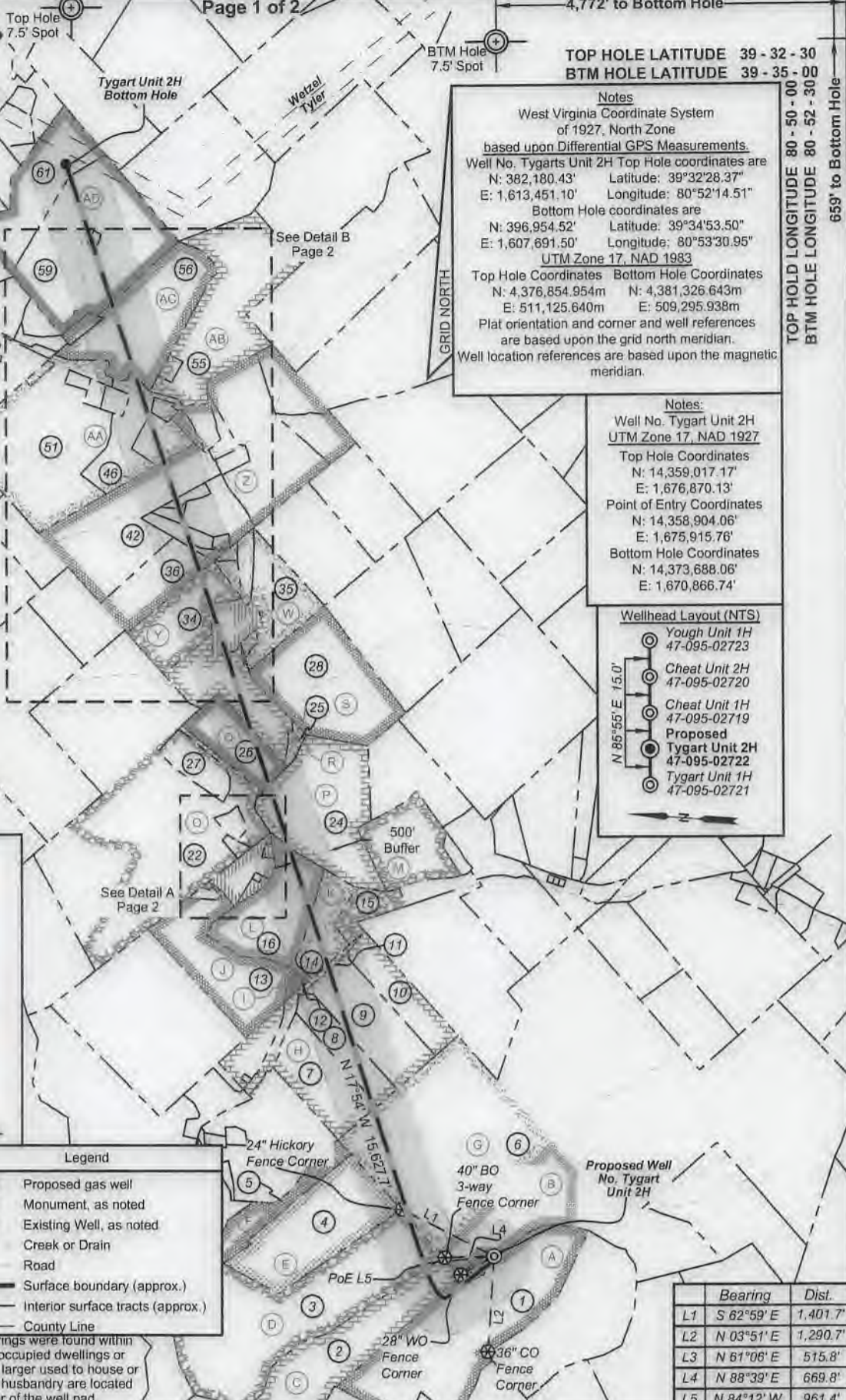
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313

10,537' to Top Hole

4,772' to Bottom Hole

Antero Resources Well No. Tygart 2H BHL MOD

Antero Resources Corporation



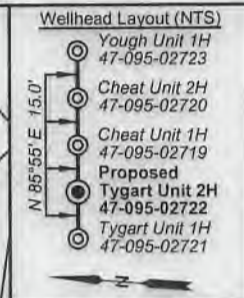
TOP HOLE LATITUDE 39 - 32 - 30
BTM HOLE LATITUDE 39 - 35 - 00

Notes
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Tygart Unit 2H Top Hole coordinates are
N: 382,180.43' Latitude: 39°32'28.37"
E: 1,613,451.10' Longitude: 80°52'14.51"
Bottom Hole coordinates are
N: 396,954.52' Latitude: 39°34'53.50"
E: 1,607,691.50' Longitude: 80°53'30.95"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,376,854.954m N: 4,381,326.643m
E: 511,125.640m E: 509,295.938m
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
166' to Top Hole
659' to Bottom Hole

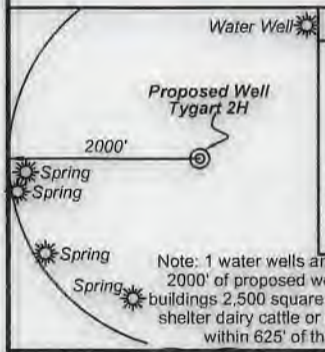


Notes:
Well No. Tygart Unit 2H
UTM Zone 17, NAD 1927
Top Hole Coordinates
N: 14,359,017.17'
E: 1,676,870.13'
Point of Entry Coordinates
N: 14,358,904.06'
E: 1,675,915.76'
Bottom Hole Coordinates
N: 14,373,688.06'
E: 1,670,866.74'



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.

	Bearing	Dist.
L1	S 62°59' E	1,401.7'
L2	N 03°51' E	1,290.7'
L3	N 61°06' E	515.8'
L4	N 88°39' E	669.8'
L5	N 84°12' W	961.4'

FILE NO: 82-54-E-19
DRAWING NO: Tygart Unit 2H 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 20 20
OPERATOR'S WELL NO. Tygart 2H
API WELL NO MOD
47 - 095 - 02722
STATE COUNTY PERMIT

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

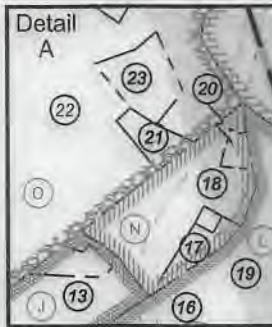
LOCATION: ELEVATION: As-Built 1,126' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Top Hole:Porter Falls
DISTRICT: Ellsworth COUNTY: Tyler 33.76; 76.25; 48.5; 100; 93.6965; 13.3; 24; 23.87; 47.5; 6.4; 109.875; 151.08; 98.2; 107.188; 17.2625; 100;

SURFACE OWNER: Patricia Ann Heintzman James D. VanCamp, et al (5); Kerry Lemasters, et ux; James D. VanCamp, et ux (3); Sherry Lynn Chelren; BRC Appalachian Minerals I, LLC (2);
ROYALTY OWNER: Patricia Ann Heintzman (2); John E. Roberts; Dennis R. Heintzman, et ux; Sybil Mae Gorbey; LEASE NO: ACREAGE: 73.26

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: 24,200' 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 2H
BHL MOD
 Antero Resources Corporation



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

ID	TM/Par	Owner	Bk/Pg	Acres
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5	9-13	Richard A. Mercer	321/197	16.00
6	6-36	Dennis & Clista Heintzman	297/640	417.60
7	6-35	Donald E. Forrester	343/381	25.75
8	6-35.1	Stephen & Andriea Knowlton	289/20	13.32
9	6-35.2	Stephen & Andriea Knowlton	224/77	29.02
10	6-35.4	Stephen & Andriea Knowlton	340/412	17.46
11	6-35.3	Stephen & Andriea Knowlton	224/77	3.00
12	6-23.2	Larry R. Henthorn	584/138	1.27
13	6-23	Randall Dennis, et al	W70/660	42.30
14	6-16.2	Stephen J. & Andriea Knowlton	211/375	13.30
15	6-16.3	Michael L. Roberts	407/45	14.81
16	6-16	Kerry & Barbara Lemasters	215/548	33.76
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18	6-16.1	James W. & Geneva Lancaster	443/639	3.44
19	6-16.6	Terry Andrew Jackson	388/271	0.25
20	6-16.8	James W. & Geneva Lancaster	443/639	0.55
21	6-22.1	Charles E. Dennis	348/160	1.25
22	6-22	Patricia Ann Greathouse	W38/671	169.90
23	6-22.2	Roger & Nadine Greathouse	334/770	2.61
24	6-15	James D. VanCamp, et al	W38/144	47.50
25	6-15.1	James D. VanCamp, et ux	174/451	2.28
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27	6-22.3	Lucinda J. Greathouse	350/674	10.00
28	6-4	James D. Vancamp, et al	W38/144	46.76
29	6-3	James D. Vancamp, et al	W38/144	23.87
30	6-3.2	Wayne L. Wade	220/322	0.05
31	6-3.3	Wayne L. Wade	220/322	0.03
32	6-3.4	Wayne L. Wade	268/478	0.12
33	6-2	Joel A. Prosser	387/736	6.64
34	6-1	Sybil Gorby	175/265	17.26
35	3-43	Joel A Prosser	387/736	23.62
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38	3-43.1	Janet Johnson	W29/203	0.90
39	3-44.1	Tylor D. Hostuttler	592/109	0.98
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44	3-44	Jamie Leigh Parks	337/764	9.86
45	3-44.5	W.J. & Melissa Buchanan	326/348	1.72
46	2-8.4	Jonathan & Mary Belle Pittman	186/170	21.14
47	3-47	Donna & Matthew Cecil	462/582	8.61
48	3-46.1	Pamela R. Nelson-Lansford	328/699	2.96
49	3-46	Vada R Hart	40/469	1.54
50	3-47.1	Jack L. Throck-Morton	462/582	1.33
51	2-8	Jonathan & Mary Belle Pittman	186/170	70.93
52	2-8.5	Stanley G. Pittman	327/751	3.68
53	2-8.3	Teresa A. Morris	343/390	1.82
54	3-12.1	Josphine Kunkel	286/75	1.90
55	3-12	Lomax R. Kunkel	297/692	57.51
56	3-48	Linda Hoover	356/233	45.00
57	2-9	Linda L. Hoover	356/233	1.57
58	2-1.2	Donald E. Virden Jr.	421/281	0.41
59	2-1.1	Donald E. Virden, Jr.	421/281	68.20
60	2-1.3	Lou Ann & Donald E. Virden Jr.	325/907	0.55
61	2-1	Donald E. Virden, Jr.	421/281	30.84



FILE NO: 82-54-E-19
 DRAWING NO: Tygart Unit 2H 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 2H
 API WELL NO. **W40**
 47 - 095 - 02722
 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 COUNTY: Tyler 33.76; 76.26; 48.5; 100;

SURFACE OWNER: Patricia Ann Heintzman James D. VanCamp, et al (5); Kerry Lemasters, et ux; James D. VanCamp, et ux (3);
 ROYALTY OWNER: Patricia Ann Heintzman (2); John E. Roberts; Dennis R. Heintzman, et ux; Sybil Mae Gorby; LEASE NO: _____ ACREAGE: _____
 93.6985; 13.3; 24; 23.87; 47.5; 6.4; 109.875; 151.08; 98.2; 107.188; 17.2625; 100;

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: 24,200' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
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