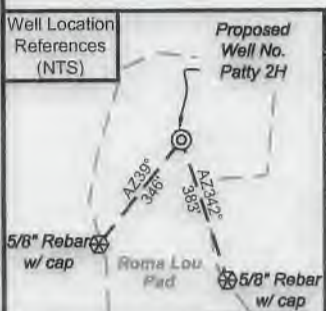


Antero Resources
Well No. Patty 2H
 Antero Resources Corporation

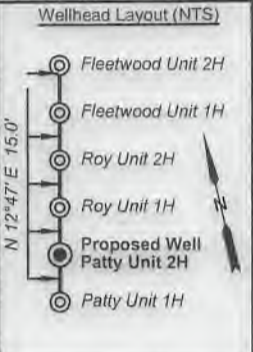


4,430' to Top Hole
 3,061' to Bottom Hole
 BTM Hole 7.5' Spot
 TOP HOLE LATITUDE 39 - 30 - 00
 BTM HOLE LATITUDE 39 - 27 - 30

Notes
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Patty Unit 2H Top Hole coordinates are
 N: 362,478.58' Latitude: 39°29'09.05"
 E: 1,583,982.64' Longitude: 80°58'26.50"
 Bottom Hole coordinates are
 N: 352,387.13' Latitude: 39°27'29.51"
 E: 1,586,188.07' Longitude: 80°58'09.02"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,370,702.536m N: 4,367,634.279m
 E: 502,248.052m E: 502,666.625m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

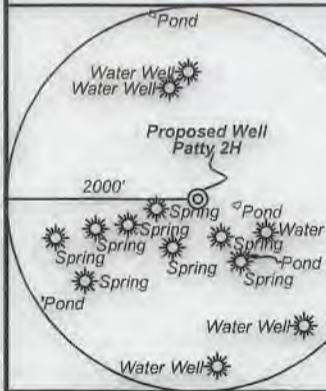


Notes:
 Well No. Patty Unit 2H UTM Zone 17, NAD 1927
 Top Hole Coordinates
 N: 14,338,833.02'
 E: 1,647,744.65'
 Point of Entry Coordinates
 N: 14,337,693.53'
 E: 1,646,043.20'
 Bottom Hole Coordinates
 N: 14,328,766.57'
 E: 1,649,117.92'



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



Note: 5 water wells 8 springs and 4 ponds 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.

Patty Unit 2H Bottom Hole

	Bearing	Dist.
L1	N 65°08' E	2,319.3'
L2	S 85°20' W	1,621.1'
L3	N 68°08' W	1,437.0'
L4	N 05°50' W	1,885.2'
L5	S 57°09' W	2,048.5'

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: 197-54-M-18
 DRAWING NO: Patty Unit 2H
 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: February 25 2021
 OPERATOR'S WELL NO. Patty 2H
 API WELL NO 474
 47 - 095 - 02333
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 883' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne
 DISTRICT: Union/Meade COUNTY: Tyler 04/16/2021

SURFACE OWNER: Antero Resources Corp. Kenneth James Lantz; Joshua Botkins; Sally & Mitchell Dunn;
 Andrew E. Harris, et ux; Everett Harris; Paula D. Garvey;
 ROYALTY OWNER: Berna J. Hammel; Roma Hart; Michael D. & Carol Wise; Donald M. Thomas, et ux (2) LEASE NO: ACREAGE: 60.38
 71.7; 35.5625; 96.0
 115.88; 68.65625
 90.24; 16.625; 27.25;
 60.38; 36.225; 38.87;

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: 18,800' MD 6,500' TVD

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. Patty 2H
 Antero Resources Corporation



ID	TM/Par	Owner	Bk/Pg	Acres
1	10-4.1	Antero Resources Corporation	OR12/739	60.38
2	10-4	Kevin L. & Tammy J. Thomas	OR7/290	32.22
3	9-9.1	Jennifer K. & Diane M. Thomas	AR46/754	40.00
4	9-9	Patrick L. & Tammy M. Smith	341/695	58.50
5	9-12	Mary J. Patterson	176/58	30.00
6	9-13	Kevin L. & Tammy J. Thomas	OR 7/290	2.00
7	9-15.3	Billy D. & Roma L. Thomas Hart	WB21/443	4.50
8	9-16	Billy D. & Roma L. Hart	154/569	20.00
9	10-5.3	Richard Daniel Bowen	344/814	25.93
10	10-6	James F. & Sarah K. Boley	321/745	1.00
11	10-7	Michael D. & Carol Wise	349/420	71.70
12	10-9	Bowen Family Irrevocable Trust	370/750	82.00
13	9-47	Coastal Lumber Company	301/131	67.24
14	10-8	Don M. & Montana Thomas	136/131	56.36
15	14-5	Stephen A. & Kimberly D. Starkey	382/395	16.07
16	14-1	Donald Marvin & Montana Thomas	215/271	27.25
17	13-26	Paul E. Snider	189/412	83.62
18	14-2	Everett E. Harris, et al	281/483	109.88
19	2-8	Roy F. Gorrell	415/82	68.66
20	2-6	Barnett Shinn Estate	WB23/146	15.00
21	2-9	Fred Davis	341/608	35.56
22	2-10	Joshua D. Botkins	399/327	96.00

Leases	
A	Berna J. Hammel
B	Maurice C. Grove
C	Sally & Mitchell Dunn
D	OPEN
E	OPEN
F	Roma Hart
G	J&N Management Enterprises, LLC
H	Richard A. Danser
I	Michael D. & Carol Wise
J	Bowen Family Irrevocable Trust
K	Barbara Ann Fowler
L	Donald M. Thomas, et ux
M	Andrew E. Harris, et ux
N	Donald M. Thomas, et ux
O	Paul E. Snider
P	Everett Harris
Q	Paula D. Garvey
R	Brady Carol Shinn
S	Kenneth James Lantz
T	Joshua Botkins

FILE NO: 197-54-M-18
 DRAWING NO: Patty Unit 2H
 SCALE: 1" = 1500'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 WVDOT, Harrisville, WV



DATE: February 25 20 21
 OPERATOR'S WELL NO. Patty 2H
 API WELL NO. **WVA**
 47 - 095 - **02733**
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 883' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne
 DISTRICT: Union/Meade COUNTY: Tyler **04/16/2021**
 SURFACE OWNER: Antero Resources Corp. Kenneth James Lantz; Joshua Botkins; Sally & Mitchell Dunn; Andrew E. Harris, et ux; Everett Harris; Paula D. Garvey; ACREAGE: 60.38
 ROYALTY OWNER: Berna J. Hammel; Roma Hart; Michael D. & Carol Wise; Donald M. Thomas, et ux (2) LEASE NO: _____ ACREAGE: 60.38; 36.225; 38.87;
 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: 18,800' MD 6,500' TVD

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. Patty 2H
 Antero Resources Corporation



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N	Donald M. Thomas, et ux
O	Paul E. Snider
P	Everett Harris
Q	Paula D. Garvey
R	Brady Carol Shinn
S	Kenneth James Lantz
T	Joshua Botkins

RECEIVED
 Office of Oil and Gas
MAR 10 2021
 WV Department of
 Environmental Protection

FILE NO: 197-54-M-18
 DRAWING NO: Patty Unit 2H
 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: February 25 2021
 OPERATOR'S WELL NO. Patty 2H
 API WELL NO HGA
47 - 095 - 02733
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 883' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne
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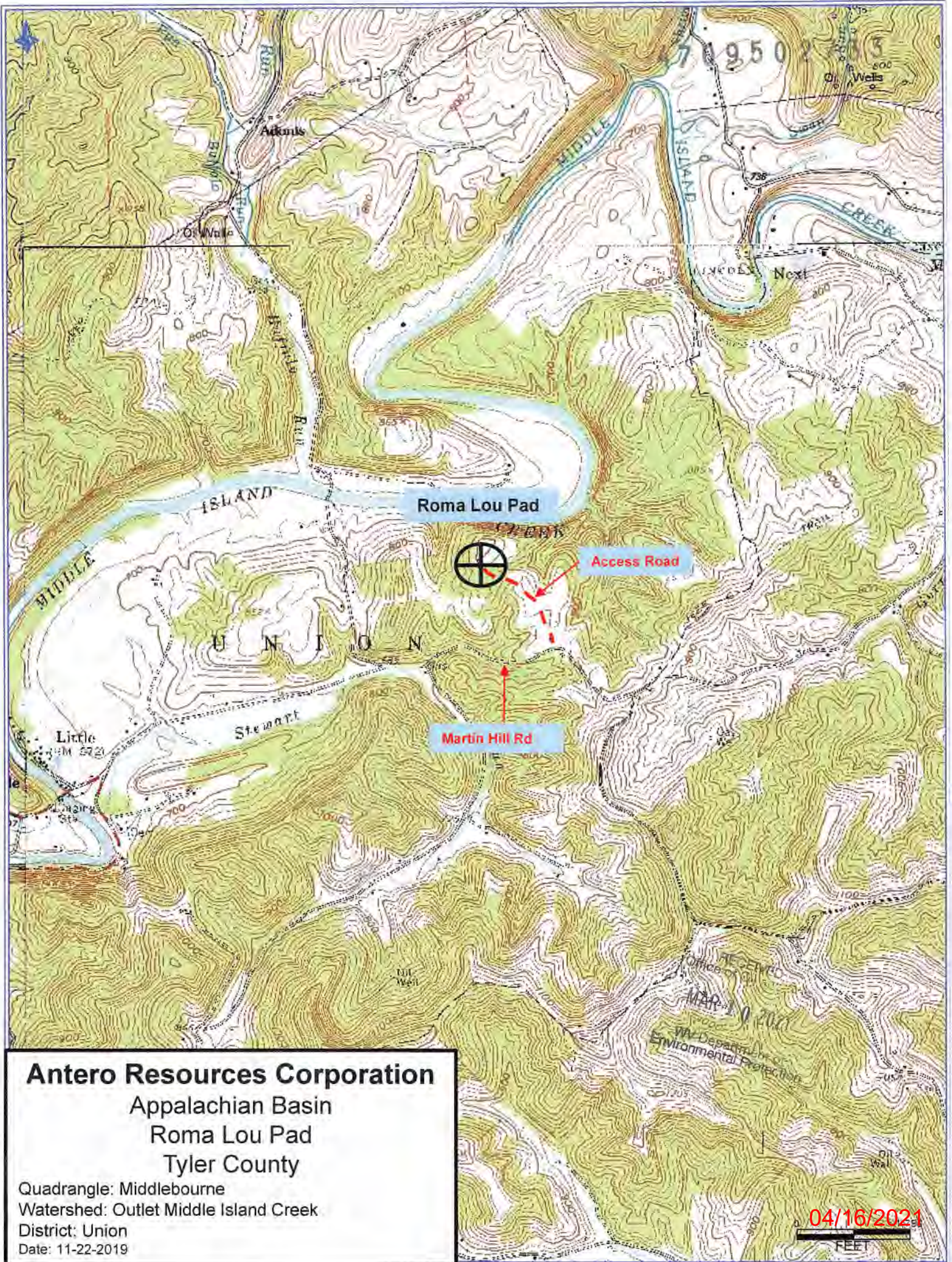
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 6,500' TVD
18,800' MD

WELL OPERATOR: Antero Resources Corporation
 ADDRESS: 1615 Wynkoop Street
Denver, CO 80202

DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 5400 D Big Tyler Road
Charleston, WV 25313

04/16/2021



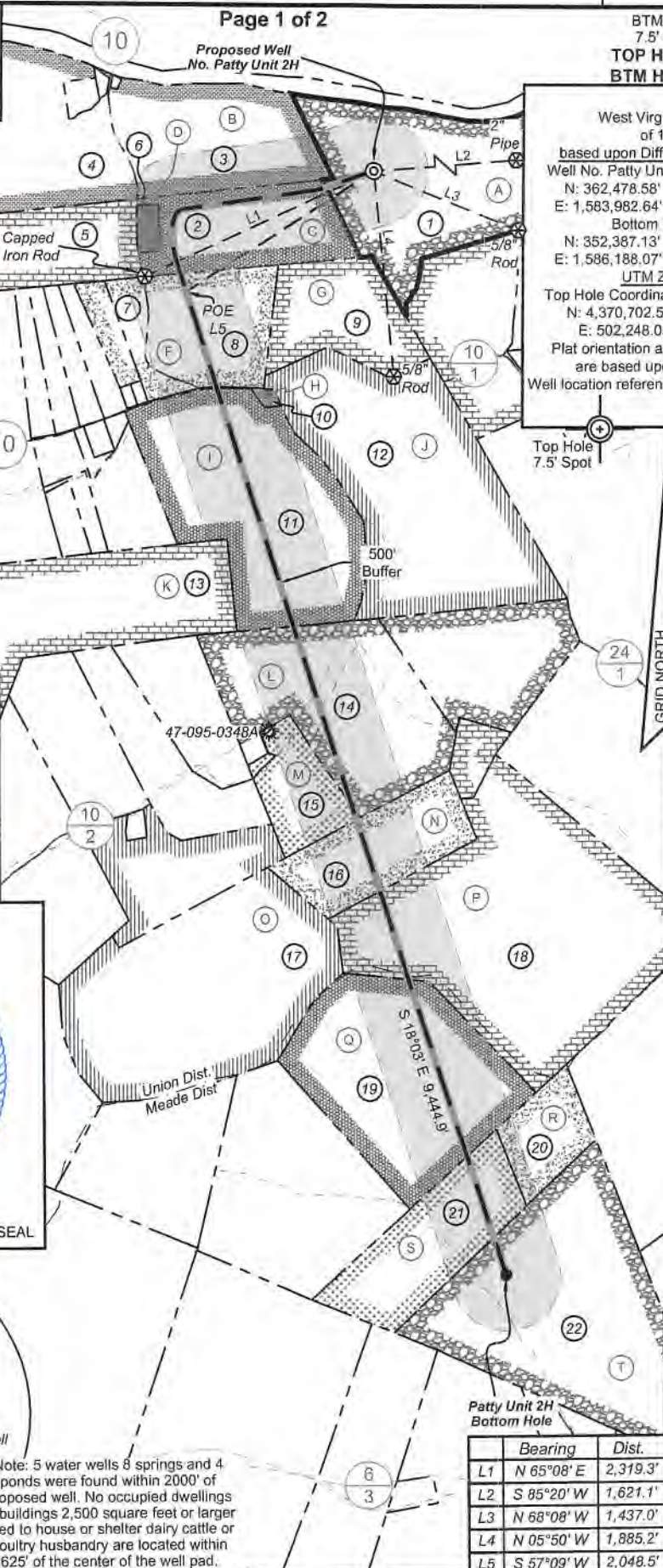
Antero Resources Corporation
Appalachian Basin
Roma Lou Pad
Tyler County

Quadrangle: Middlebourne
Watershed: Outlet Middle Island Creek
District: Union
Date: 11-22-2019

Office of
MAR
WV Department of
Environmental Protection

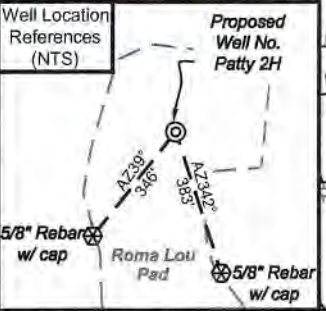
04/16/2021
FEET

Antero Resources
Well No. Patty 2H
 Antero Resources Corporation



4,430' to Top Hole
 3,061' to Bottom Hole
 TOP HOLE LATITUDE 39 - 30 - 00
 BTM HOLE LATITUDE 39 - 27 - 30
 LONGITUDE 80 - 57 - 30
 50' to Bottom Hole
 50' to Top Hole

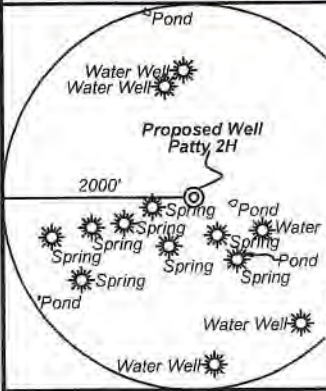
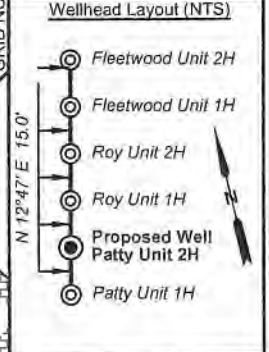
Notes
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Bradley D. Miller
 Bradley D. Miller, P.S. 2167



	Bearing	Dist.
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L2	S 85°20' W	1,621.1'
L3	N 68°08' W	1,437.0'
L4	N 05°50' W	1,885.2'
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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: 197-54-M-18
 DRAWING NO: Patty Unit 2H
 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: February 25 2021
 OPERATOR'S WELL NO. Patty 2H
 API WELL NO. HGA
 47 - 095 - 02133
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 883' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne
 DISTRICT: Union/Meade COUNTY: Tyler 04/16/2021

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PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ 6,500' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 13,800' 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