

Antero Resources
Well No. Penn Unit 1H

Antero Resources Corporation

	Bearing	Dist.
L1	S 56°22' W	2,988.0'
L2	N 78°09' W	3,455.6'
L3	N 59°18' E	2,673.9'
L4	N 65°56' E	3,839.8'
L5	N 24°23' W	1,026.7'

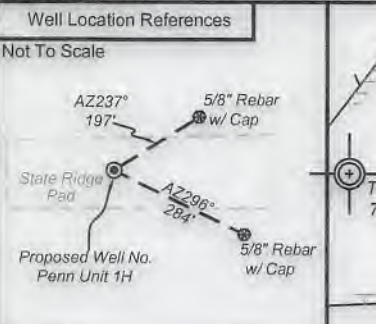
TOP HOLE LATITUDE 39 - 32 - 30
BTM HOLE LATITUDE 39 - 30 - 00

Notes:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Penn Unit 1H Top Hole coordinates are
N: 370,244.42' Latitude: 39°30'30.21"
E: 1,612,214.80' Longitude: 80°52'27.96"
Bottom Hole coordinates are
N: 363,330.64' Latitude: 39°29'22.21"
E: 1,614,343.40' Longitude: 80°51'59.96"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,373,212.268m N: 4,371,116.790m
E: 510,809.588m E: 511,493.207m
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. Penn Unit 1H
UTM Zone 17, NAD 1927
Top Hole Coordinates
N: 14,347,066.26'
E: 1675,833.61'
Point of Entry Coordinates
N: 14,347,993.83'
E: 1,675,394.32'
Bottom Hole Coordinates
N: 14,340,191.32'
E: 1,678,076.55'

Legend

- ⊙ Proposed gas well
- ⊕ Found corner, as noted
- ⊛ Existing Well, as noted
- ⊙ Digitized Well
- - - - - Creek or Drain
- - - - - Existing Road
- Surface boundary (approx.)
- - - - - Interior surface tracts (approx.)



ID	TM/Par	Owner	Bk/Pg	Acres
1	10/62	Haessley Land & Timber, LLC	334/833	268.91
2	15/1	Martin L. Blair Jr. & Ronald K. Blair Sr.	WB18/361	47.00
3	15/37	John D. Mendenhall & Jeffrey A. Davis	444/531	154.17
4	15/3	John W. Eddy Estate	77/319	40.33
5	15/16	Robert M. Feldmeier	330/109	52.37
6	15/18	John W. Eddy Estate	398/670	26.18
7	15/17	David Mendenhall, et al	288/662	85.71
8	15/22	Donald Jr. & Marlene A. MacNaughtan	366/289	99.56
9	15/23	David Mendenhall, et al	326/13	97.25
10	15/15	David Mendenhall, et al	289/4	50.00
11	15/25	Charles Loy Jr., et al	358/610	20.00
12	15/24	Charles & Wilma Lee Fruner	300/342	97.50
13	21/2	Donald K. Baker	WB36/545	130.45
14	21/3	Douglas O. & Monna K. Cooper	287/390	60.46
15	21/5	Michael & Bente H. Biddle	294/537	223.77
16	15/34	Michael & Bente H. Biddle	294/537	82.34
17	21/6	Carl E. & Elsie M. Taylor	391/181	63.50
18	21/19	Ridgetop Capital II, LP	385/781	20.00
19	21/5.2	Alfred B. & Elizabeth J. Bridle	319/408	6,582
20	21/5.1	Alfred B. & Elizabeth J. Bridle	319/408	1,062
21	21/4	Martha E. & Timothy Ruble	274/236	1,036
22	21/2.1	Jeffery A. & Debra J. Baker	233/258	34.55
23	21/20	Charles O. Conaway	WB17/354	95.50
24	21/44	Tyler County Home	77/672	189.36

Note: 0 water wells or 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.



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

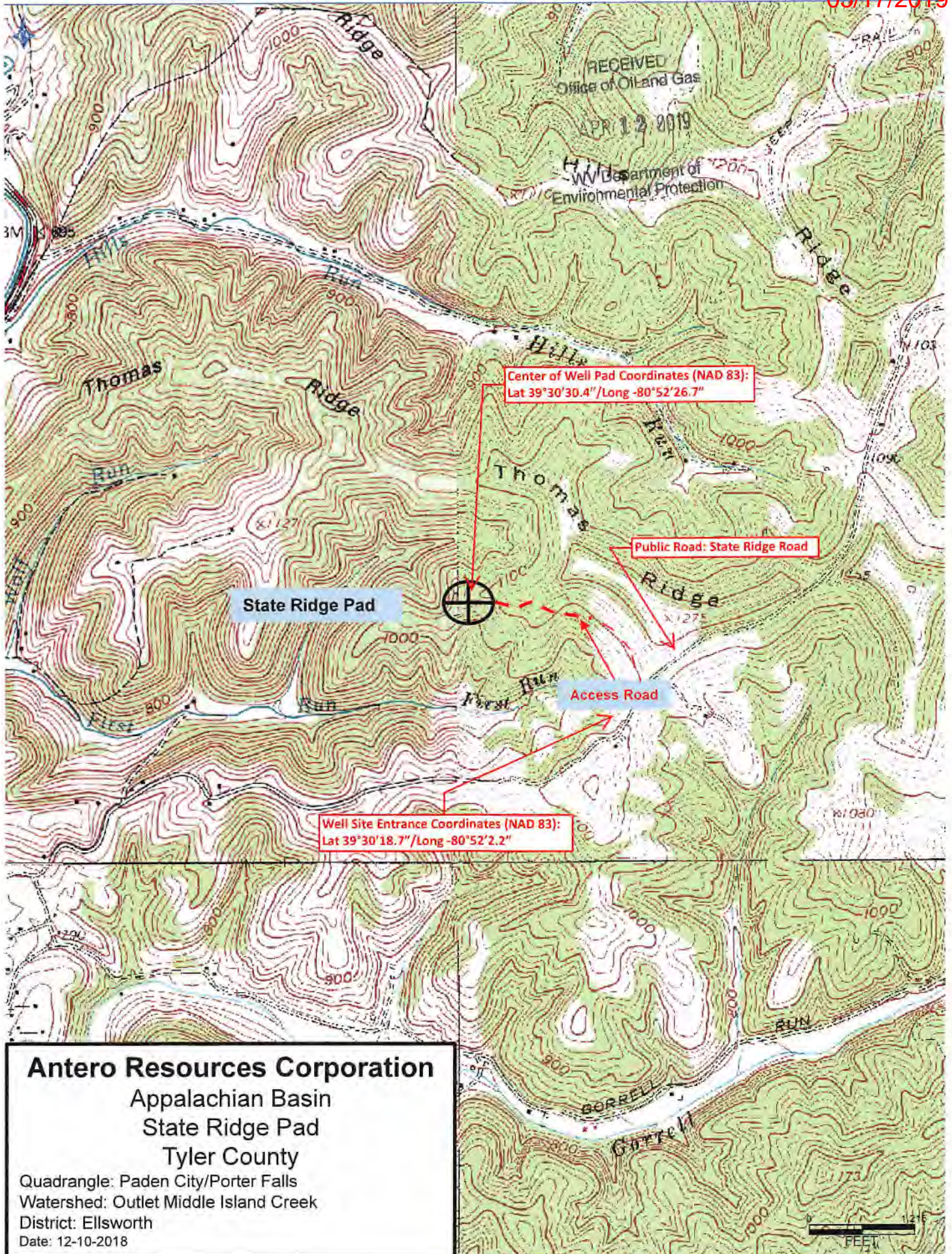
FILE NO: 05-54-E-16
DRAWING NO: Penn 1H Well Plat
SCALE: 1" = 1500'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: April 9 2019
OPERATOR'S WELL NO. Penn Unit 1H
API WELL NO
47 - 095 - 02614464
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: Existing 1,090' Proposed 1,064' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City/Porter Falls
DISTRICT: Ellsworth COUNTY: Tyler
SURFACE OWNER: John D. Mendenhall & Jeffrey A. Davis Piney Holdings, Inc. ACREAGE: 154.17 154.17; 85.71; 97.25; 97.5; 61.5;
ROYALTY OWNER: Dianne T. Carpenter; Darla S. Colombo; Gina Pastors; Darrell Eugene Whaley; LEASE NO: ACREAGE: 231.42344;
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: 16,800' MD 7,000' 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



Center of Well Pad Coordinates (NAD 83):
Lat 39°30'30.4"/Long -80°52'26.7"

Public Road: State Ridge Road

State Ridge Pad

Access Road

Well Site Entrance Coordinates (NAD 83):
Lat 39°30'18.7"/Long -80°52'2.2"

Antero Resources Corporation

Appalachian Basin
State Ridge Pad
Tyler County

Quadrangle: Paden City/Porter Falls
Watershed: Outlet Middle Island Creek
District: Ellsworth
Date: 12-10-2018

1216
FEET