

1262' to Bottom Hole

672' to Top Hole
LATITUDE 39 - 30 - 00

Antero Resources Well No. Guild Unit 1H

Antero Resources Corporation

	Bearing	Dist.
L1	N 59°10' W	2,636.5'
L2	N 53°12' W	1,553.0'
L3	N 87°23' E	1,890.9'
L4	S 47°19' W	2,944.2'
L5	N 67°22' E	1,773.6'

Note: 1 spring was 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. There were no gas wells found or documented within 3000' of the proposed well.

Notes:
Well No. Guild Unit 1H
UTM Zone 17, NAD 1927
Top Hole Coordinates
N: 14,333,908.71'
E: 1,663.4, 0.96'
Point of Entry Coordinates
N: 14,334,618.29'
E: 1,665,045.72'
Bottom Hole Coordinates
N: 14,341,402.86'
E: 1,662,705.94'

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



Lease

A	WV Division of Natural Resources
B	Thomas & Cynthia H. Hall
C	Larry Steven & Diane Helmick
D	Mary Frances Carpenter
E	BRC Appalachian Minerals 1, LLC
F	Tyler County Commission
G	Joseph J. Morris
H	J.C. & Barbara Nuss
J	Larry Allen Anderson
K	Ernest D. & Karen S. Helmick
L	Robert L. & Pamela L. Shaffer
M	Robert L. & Pamela L. Shaffer

Notes:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Guild Unit 1H Top Hole coordinates are
N: 357,291.47' Latitude: 39°28'20.27"
E: 1,599,579.92' Longitude: 80°55'06.54"
Bottom Hole coordinates are
N: 364,799.09' Latitude: 39°29'34.37"
E: 1,598,989.90' Longitude: 80°55'15.58"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,369,201.725m N: 4,371,485.946m
E: 507,026.188m E: 506,808.249m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

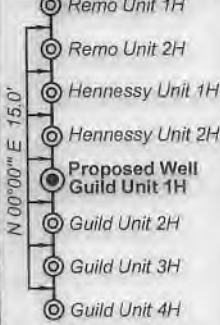
Legend

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

Well Location References



Wellhead Layout (NTS)



23	20/2	Anderson	282/506	68.05
22	14/40	Nuss	347/832	12.00
21	20/3	Leek	332/329	18.056
20	20/16	Rymer	219/287	25.813
19	20/12.2	Shaffer	354/76	0.37
18	20/12	Steen	264/127	39.76
17	20/11	Shaffer	399/15	0.45
16	20/14	Morris	205/425	0.15
15	20/13	Ty.Co. Comm.	333/63	0.15
14	20/12.1	Nuss	411/206	0.75
13	20/17	Rymer	219/287	0.877
12	20/40	White	352/566	9.37
11	20/42.1	Ashley	351/771	1.889
10	20/39	Rymer	219/287	36.40
9	20/37.6	Vancamp	443/643	19.67
8	20/37.4	Thacker, et al	395/843	4.437
7	20/37	Thacker, et al	443/643	8.892
6	20/37.2	Wolf	362/386	4.56
5	20/83.6	Hall	WB40/335	30.034
4	20/37.3	Wolf	384/321	4.095
3	20/83.7	Helmick	400/592	30.353
2	20/98	Hennessy	247/7	74.231
1	20/83.1	Helmick	230/446	2.76
ID	TM/Par	Owner	Bk/Pg	Acres

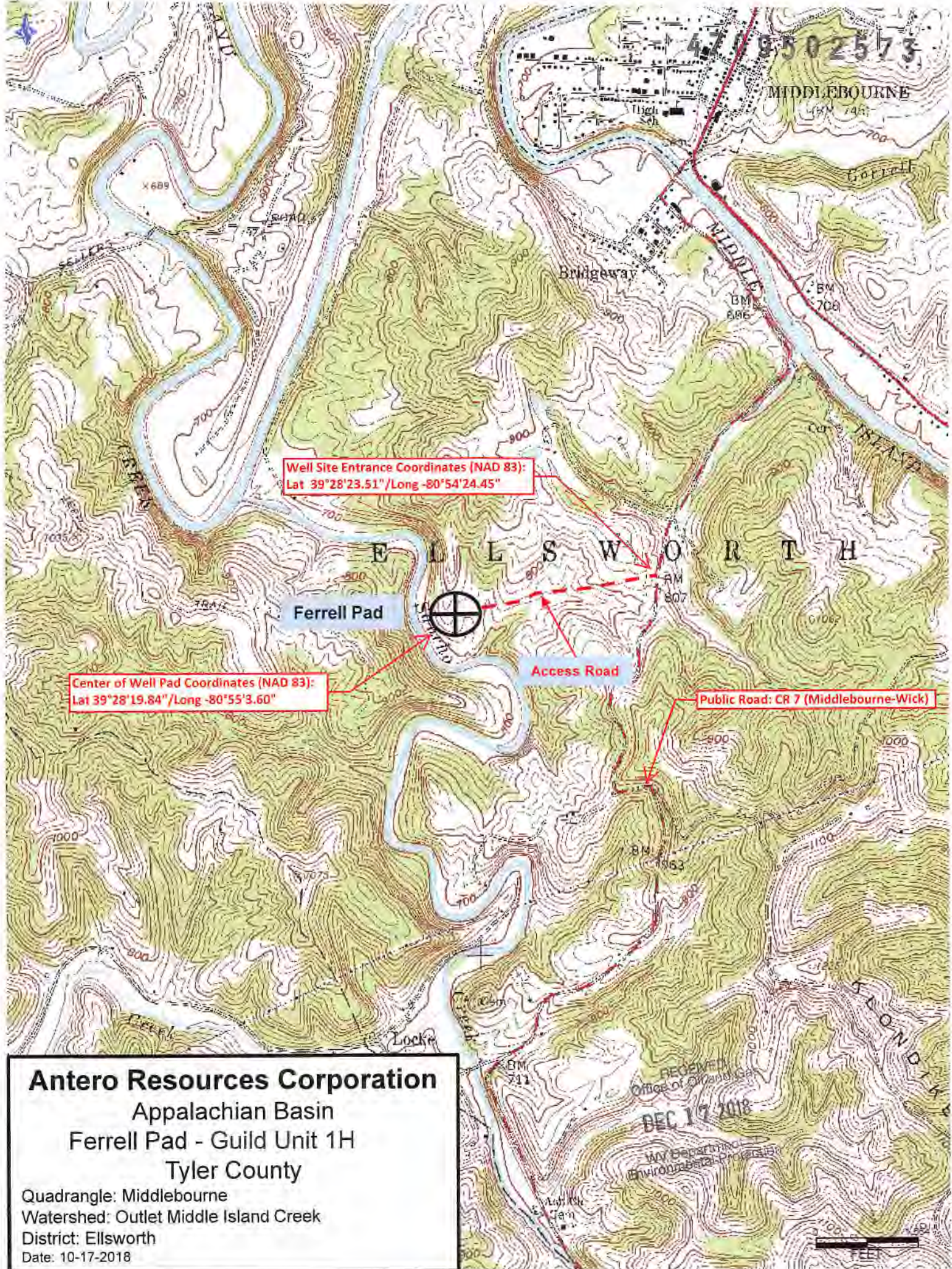
FILE NO: 14-54-E-17
DRAWING NO: Guild 1H Well Plat
SCALE: 1" = 1000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

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

DATE: December 4 2018
OPERATOR'S WELL NO. Guild Unit 1H
API WELL NO
47 - 095 - 02573
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
Proposed Elev. 757'
LOCATION: ELEVATION: Existing Elev. 770' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne
DISTRICT: Ellsworth COUNTY: Tyler 61.71875;
SURFACE OWNER: Antero Midstream, LLC J. Howard Hassig & Teresa A. Hassig; 25.8125; 0.02;
Thomas & Cynthia H. Hall; Earnest D. & Karen S. Helmick; 109.14; 99.413;
ROYALTY OWNER: The Swan Living Trust; Larry Steven & Diane Helmick; LEASE NO: ACREAGE: 166.09063;
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: 15,900' 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



Well Site Entrance Coordinates (NAD 83):
Lat 39°28'23.51"/Long -80°54'24.45"

Center of Well Pad Coordinates (NAD 83):
Lat 39°28'19.84"/Long -80°55'3.60"

Public Road: CR 7 (Middlebourne-Wick)

Ferrell Pad

Access Road

Antero Resources Corporation
Appalachian Basin
Ferrell Pad - Guild Unit 1H
Tyler County

Quadrangle: Middlebourne
Watershed: Outlet Middle Island Creek
District: Ellsworth
Date: 10-17-2018

RECEIVED
Office of Oil and Gas
DEC 17 2018
WV Department of Environmental Protection

FEET