

980' to Bottom Hole

672' to Top Hole

LATITUDE 39 - 30 - 00

LONGITUDE 80 - 55 - 00

Antero Resources Well No. Hennessy Unit 1H

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, P.S. 2167

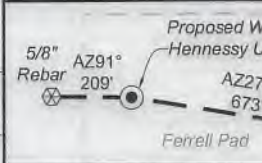
Notes:
 Well No. Hennessy Unit 1H
 UTM Zone 17, NAD 1927
 Top Hole Coordinates
 N: 14,333,938.70'
 E: 1,663,420.46'
 Point of Entry Coordinates
 N: 14,334,077.66'
 E: 1,663,475.63'
 Bottom Hole Coordinates
 N: 14,335,202.48'
 E: 1,663,090.70'



03/08/2019

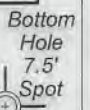
SEAL

Well Location References



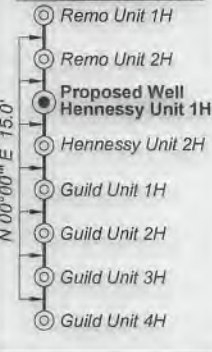
Legend

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



Top Hole 7.5' Spot

Wellhead Layout (NTS)



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.



ID	TM/Par	Owner	Bk/Pg	Acres
35	13/3.4	Carpenter	415/733	7.505
34	13/3.3	Mathisen	349/563	70.509
33	14/12	Evans	491/331	2.58
32	14/28	Evans	491/331	2.00
31	14/29	Boor Family Trust	478/280	26.00
30	13/5.1	Scales	342/553	2.00
29	13/2	Evans	113/6	35.00
28	13/6	Ball	387/671	21.42
27	20/34	Haught	344/268	7.75
26	20/2	Anderson	282/506	68.05
25	20/12	Steen	264/127	39.76
24	20/12.4	Keller	282/435	4.493
23	20/12.5	Haught	343/731	2.00
22	20/12.1	Nuss	411/206	0.75
21	20/12.3	Nuss	366/467	0.19
20	20/15	Mason	388/834	0.37
19	20/36.1	Wagner	329/366	0.37
18	20/36	Tucker	8/210	0.45
17	20/39	Rymer	219/287	36.40
16	20/38	Rymer	219/287	28.744
15	13/3.1	Owens	350/388	13.919
14	20/37.1	Moore	360/656	1.45
13	20/37.4	Thacker, et al	395/843	4.437
12	20/37.2	Wolf	362/386	4.56
11	20/37	Thacker, et al	443/643	8.892
10	20/37.3	Wolf	384/321	4.095
9	20/83.2	Helmick	311/390	0.545
8	20/83.6	Hall	WB40/335	30.034
7	20/83.7	Helmick	400/592	30.353
6	20/83	Helmick	WB40/335	99.413
5	20/98.1	Brookover	353/386	2.576
4	20/98.2	Price	417/303	10.493
3	20/97	Moore	314/699	66.84
2	26/2	Moore	314/701	63.40
1	26/3	Moore, et al	448/216	63.02

Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Hennessy Unit 1H Top Hole coordinates are
 N: 357,321.47' Latitude: 39°28'20.56"
 E: 1,599,579.92' Longitude: 80°55'06.54"
 Bottom Hole coordinates are
 N: 358,591.02' Latitude: 39°28'33.06"
 E: 1,599,271.19' Longitude: 80°55'10.74"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,369,210.865m N: 4,369,596.065m
 E: 507,026.035m E: 506,925.523m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

Lease	Owner
A	Thomas & Cynthia H. Hall
B	Larry Steven & Diane Helmick
C	Samuel M. Brookover
D	Martha Jean Tucker
E	Thomas J. Wagner
F	Jack J. Mason
G	J.C. & Barbara Nuss
H	Michael P. & Deborah G. Haught
J	Hilda Steen
K	Hilda Steen
L	Phyllis Roth Tobias
M	Richard J. Mathisen & Lisa M. Beane
N	Richard A. Scale

	Bearing	Dist.
L1	N 58°36' W	2,652.0'
L2	N 52°19' W	1,571.2'
L3	N 86°29' E	1,892.5'
L4	S 47°45' W	2,924.0'
L5	N 22°37' E	149.6'

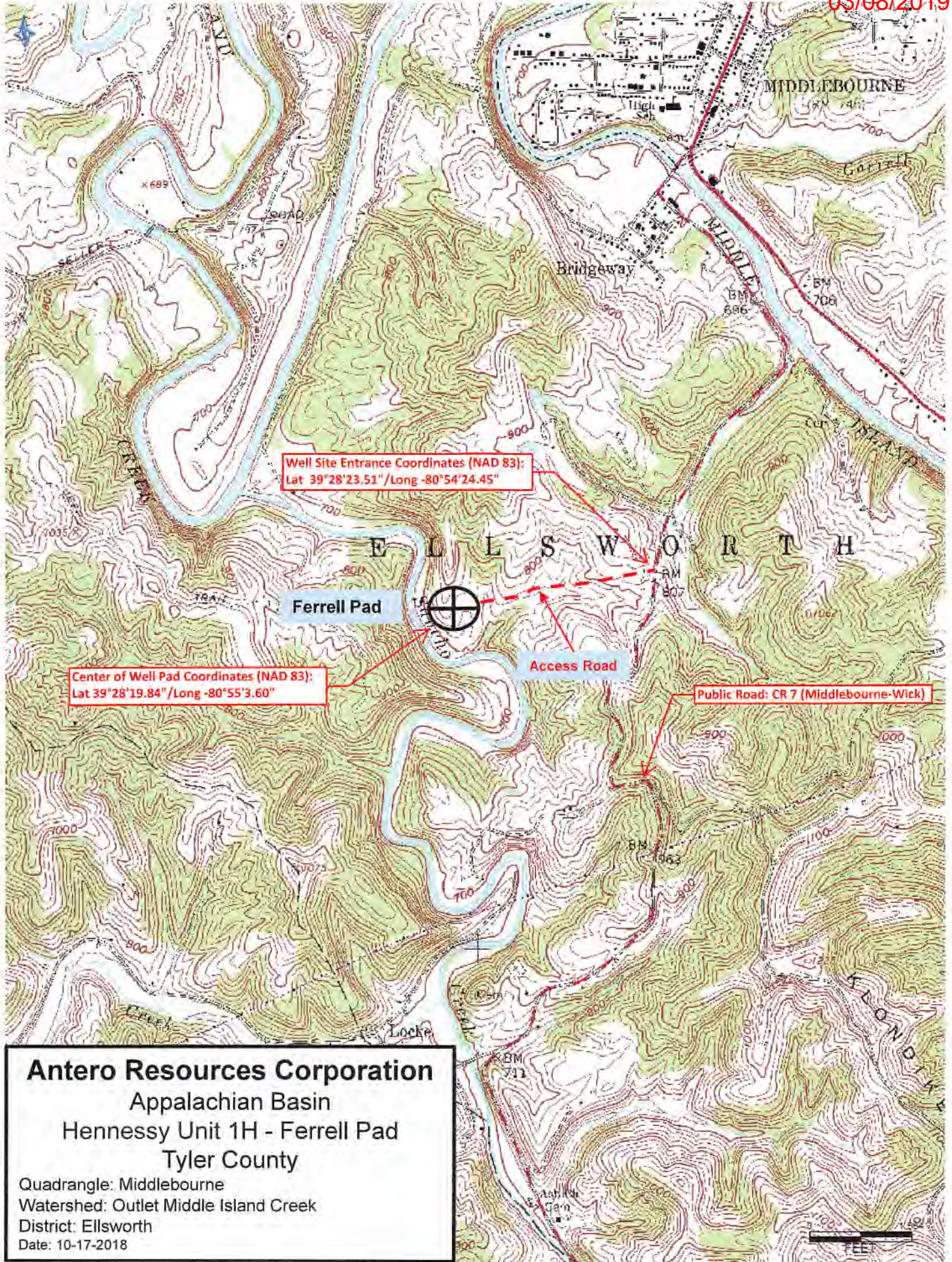
FILE NO: 16-54-E-17
 DRAWING NO: Hennessy 1H Well Plat
 SCALE: 1" = 1500'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

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

DATE: December 18 2018
 OPERATOR'S WELL NO. Hennessy Unit 1H
 API WELL NO
 47 - 095 - 0267
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: Proposed Elev. 757' Existing Elev. 770' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne
 DISTRICT: Ellsworth COUNTY: Tyler
 SURFACE OWNER: Antero Midstream, LLC ACREAGE: 203.59 63.02;
 ROYALTY OWNER: Larry R. Henthorn, et ux; Richard L. Clark LEASE NO: ACREAGE: 61.71875
 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: 8,200' 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



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)

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

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