

8,783' to Bottom Hole

4,291' to Top Hole

BTM LATITUDE 39 - 22 - 30  
TOP LATITUDE 39 - 20 - 00

LONGITUDE 80 - 47 - 30

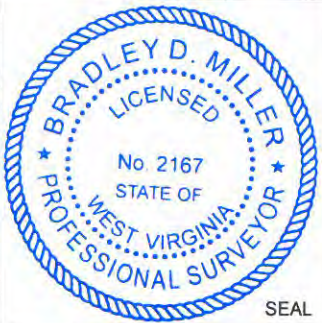
3,886' to Top Hole

11,088' to Bottom Hole

**Antero Resources**  
**Well No. Caboose Unit 2H**  
**As-Drilled**  
**Antero Resources**  
**Corporation**

(+) Denotes Location of Well on United States Topographic Maps

Note: It appears 23 water wells 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 84°40' W	594.3'
L2	N 07°50' E	497.5'
L3	N 24°50' E	830.2'
L4	S 36°04' W	631.9'

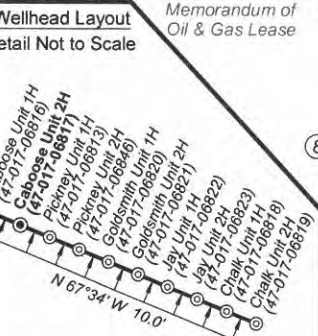
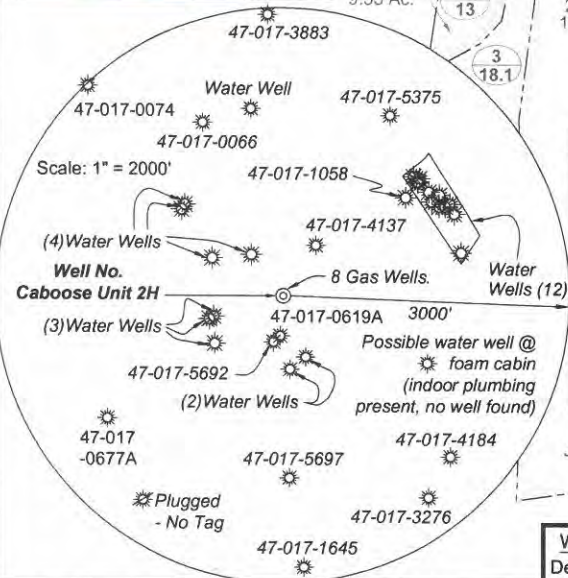
**Legend**

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

**Notes:**  
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
Well No. Caboose Unit 2H Top Hole coordinates are  
N: 302,256.97' Latitude: 39°19'20.98"  
E: 1,630,357.07' Longitude: 80°48'23.89"  
Bottom Hole coordinates are  
N: 310,229.86' Latitude: 39°20'39.16"  
E: 1,626,083.52' Longitude: 80°49'19.76"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,352,592.047m N: 4,354,999.245m  
E: 516,682.326m E: 515,339.861m  
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 Coordinates, As-drilled data and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

TM/Par	Bk / Pg	Acres	Owner(s)	
1	6/2	214 / 279	32.19	William Randall Lynch & Dixie Janet Craig
2	6/2.5	253 / 222	8.66	
3	6/2.8	305 / 419	2.68	
4	6/2.6	266 / 36	3.52	Dominion Field Services, Inc.
5	6/1.3	305 / 416	4.68	Equitrans, L.P.
6	6/2.4	163 / 44	14.98	
7	6/2.3	197 / 659	4.15	Carol & Frieda Painter
8	7/5	167 / 782	176.5	Joel W. & Bonnie Ostroff
9	3/15.1	235 / 236	0.56	Richard J. & S. Jean Kruse



**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: 236-30-WU-14  
DRAWING NO: Caboose 2H As-Drilled Well Plat  
SCALE: 1" = 1200'  
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: January 16 2019  
OPERATOR'S WELL NO. Caboose Unit 2H  
API WELL NO  
47 - 017 - 06817  
STATE COUNTY PERMIT

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

LOCATION ELEVATION: As-Drilled Grade - 843' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: West Union  
DISTRICT: West Union WV Division of Natural Resources; William Paul McCutchan; Lewis Maxwell, et al; COUNTY: Doddridge 78.75; 56.07;  
SURFACE OWNER: William Randall Lynch & Dixie Craig Dwight Robert Husk, et ux; Clarence W. Mutschelknaus, et ux; ACREAGE: 32.19 32.75; 20.49;  
ROYALTY OWNER: William Randall Lynch, et ux, Memorandum of Oil & Gas Lease; William Mark Smith; 8.66; 32.15; 150;  
William Randall Lynch & Dixie Craig; Janice M. Ellifrit Cox; James Douglas White LEASE NO: ACREAGE: 168; 61.361; 105;

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,411' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 15,294' 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

