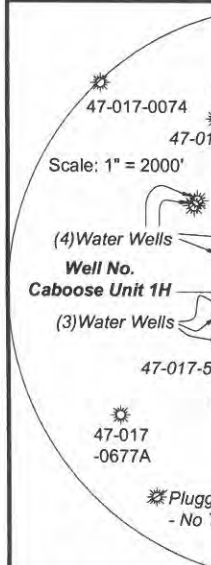
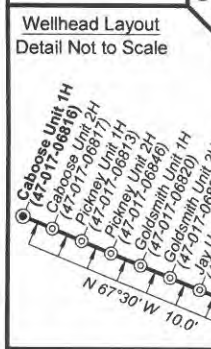


Bearing	Dist.
L1 S 85°06' W	603.3'
L2 N 06°43' E	500.0'
L3 N 24°08' E	829.7'
L4 S 36°57' W	634.5'

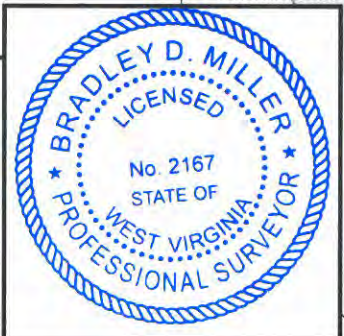
(⊕) Denotes Location of Well on United States Topographic Maps

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.



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



9,572' to Bottom Hole

4,301' to Top Hole

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

LONGITUDE 80 - 47 - 30

3,883' to Top Hole
 10,905' to Bottom Hole

Antero Resources Well No. Caboose Unit 1H As-Drilled
 Antero Resources Corporation

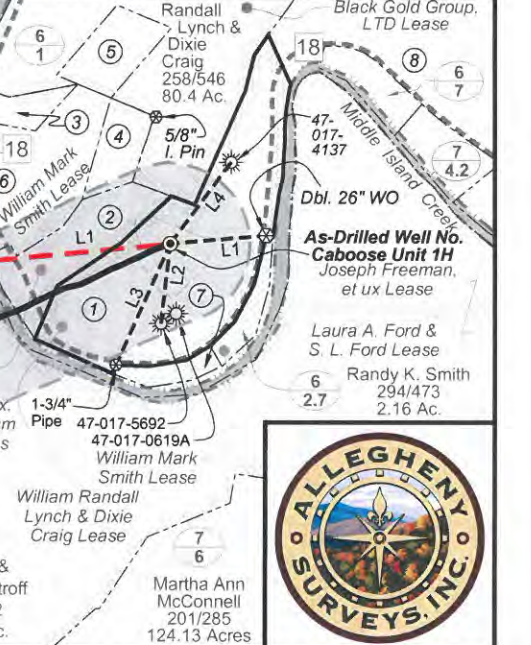
Legend

- ⊕ 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 1H Top Hole coordinates are N: 302,260.72' Latitude: 39°19'21.01" E: 1,630,347.74' Longitude: 80°48'24.01" Bottom Hole coordinates are N: 310,412.22' Latitude: 39°20'40.84" E: 1,625,294.22' Longitude: 80°49'29.84" UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,352,593.142m N: 4,355,050.782m
 E: 516,679.464m E: 515,098.474m
 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	Dominion Field Services, Inc.
4 6/2.6	266 / 36	3.52	
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 & Alfreda Painter John Paul Strickling, et al
8 4/28	WB 28/314	357.75	
9 3/15.1	235 / 236	0.56	Richard J. & S. Jean Kruse



FILE NO: 236-30-WU-14
 DRAWING NO: Caboose 1H 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 1H
 API WELL NO
 47 - 017 - 06816
 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 CLARENCE W. MUTSCHELKNAUS, et ux; WV Div. of Natural Resources; COUNTY: Doddridge 56.07; 86.5;
 SURFACE OWNER: William Randall Lynch & Dixie Craig WILLIAM RANDALL LYNCH, et ux, Memorandum of Oil & Gas Lease; 97; 8.66; 32.15;
 ROYALTY OWNER: Lewis Maxwell, et al; Dwight Robert Husk, et ux; Edwin Cain, et ux; William Paul McCutchan; LEASE NO: ACREAGE: 168; 180; 20.25;
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION 78.75; 32.75; 150;
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled ESTIMATED DEPTH: 105; 61.361;
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 6,406' TVD 15,798' 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