

11,759' to Bottom Hole

4,227' to Top Hole

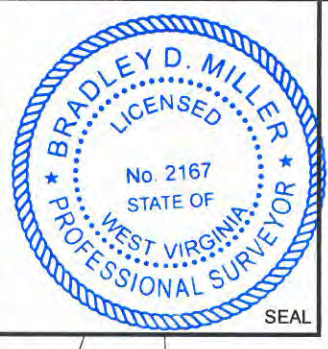
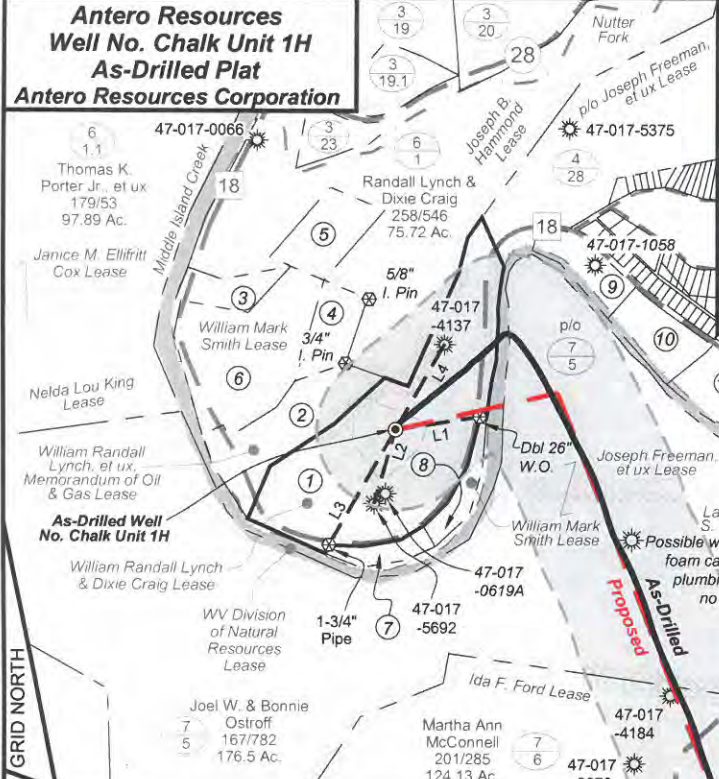
LATITUDE 39 - 20 - 00

02/08/2019

TOP LONGITUDE 80 - 47 - 30
BTM LONGITUDE 80 - 45 - 00

3,913' to Top Hole

11,661' to Bottom Hole



TM/Par	Bk / Pg	Acres	Owner(s)
1	6/2	214 / 279	32.19
2	6/2.5	253 / 222	8.66
3	6/2.8	305 / 419	2.68
4	6/2.6	266 / 36	3.52
5	6/1.3	305 / 416	4.68
6	6/2.4	163 / 44	12.30
7	6/2.3	197 / 659	1.82
8	6/2.7	294 / 473	2.16
9	6/7	AP 35 / 212	3.46
10	7/4.2	293 / 340	4.19
11	7/4.1	301 / 466	5.49
12	7/4	301 / 464	6.14
13	6/3.1	237 / 371	8.78
14	7/23	129 / 38	99.52

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.

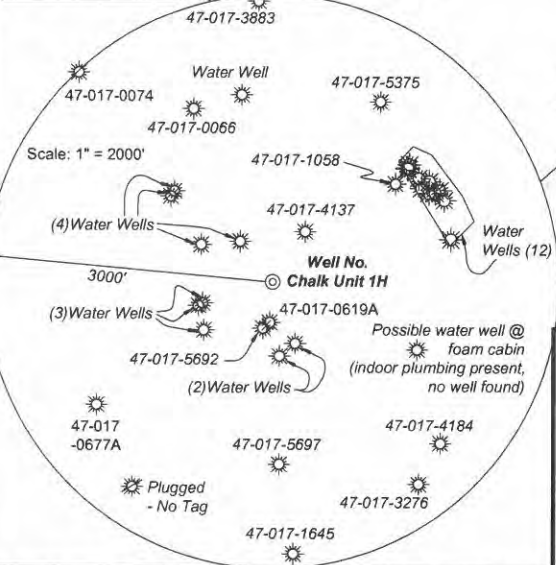
Bradley D. Miller
Bradley D. Miller, P.S. 2167

Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Chalk Unit 1H Top Hole coordinates are
 N: 302,230.16' Longitude: 39°19'20.72"
 E: 1,630,421.50' Longitude: 80°48'23.06"
 Bottom Hole coordinates are
 N: 294,315.49' Longitude: 39°18'03.11"
 E: 1,634,674.12' Longitude: 80°47'27.51"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,352,584.207m N: 4,350,194.639m
 E: 516,702.091m E: 518,037.876m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

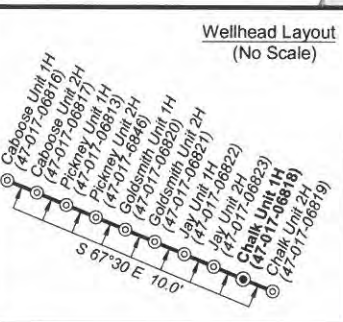
Top Hole Coordinates, As-drilled data and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

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

Bottom Hole 7.5' Spot



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.



Legend

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

	Bearing	Dist.
L1	S 80°10' W	533.7'
L2	N 15°50' E	484.4'
L3	N 29°37' E	835.8'
L4	S 29°47' W	619.4'



FILE NO: 237-30-WU-14
 DRAWING NO: Chalk 1H As-Drilled Well Plat
 SCALE: 1" = 1200'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: CORS, Marietta, OH

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

DATE: January 16 2019
 Operator's Well No. Chalk Unit 1H
API WELL NO
 47 - 017 - 06818
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: As-Built Grade - 843' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: West Union
 DISTRICT: West Union COUNTY: Doddridge 100; 32.15;
 SURFACE OWNER: William Randall Lynch & Dixie Craig ACREAGE: 32.19 600; 180; 56.07;
 ROYALTY OWNER: William Randall Lynch & Dixie Craig; Joseph Freeman, et ux; Ida F. Ford (2) LEASE NO: ACREAGE: 50; 420; 102.85
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,551' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 15,475' 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