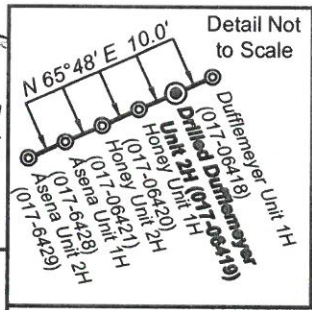


7,292' to Top Hole  
 6,147' to Bottom Hole  
 LATITUDE 39 - 12 - 30  
 LONGITUDE 80 - 37 - 30  
 1,143' to Top Hole  
 7,638' to Bottom Hole

Scale: 1" = 2000'

Note: It appears 13 water wells and 2 springs 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.



Par.	Tax Map 13 Owner	Bk/Pg	Acres
1	26 Pamela & Darrel Swisher	246/469	15.42
2	26.3 Deana & Gibson L. Clark III	245/236	18.98
3	31 Joseph E. & Sandra Gum	AP38/182	4.25
4	25 Pamela & Darrel Swisher	246/469	0.50
5	26.2 Pamela E. Moore	209/293	0.75
6	26.1 Deana & Gibson L. Clark III	204/87	1.50
7	24 Jim Charles & Thelma Pasco	WB43/508	47.9

Notes:  
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. Dufflemeyer Unit 2H Top Hole coordinates  
 N: 258,842.64' Latitude: 39°12'17.79"  
 E: 1,673,925.79' Longitude: 80°39'02.44"  
 Bottom Hole coordinates  
 N: 252,346.54' Latitude: 39°11'13.73"  
 E: 1,675,070.21' Longitude: 80°38'46.85"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,339,587.528m N: 4,337,614.320m  
 E: 530,176.227m E: 530,557.880m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.

Line	Bearing	Dist.
L1	S 67°26' W	560.2'
L2	N 23°44' W	1368.0'
L3	S 79°40' W	1497.6'
L4	S 69°37' W	862.7'



**Top Hole coordinates verified by survey grade GPS. 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**

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

FILE NO: 67-30-NM-13  
 DRAWING NO: Dufflemeyer 2H Well Plat As-Drill  
 SCALE: 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: WVDOT, Bridgeport, WV

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

DATE: March 30 2015  
 OPERATOR'S WELL NO. Dufflemeyer Unit 2H  
 API WELL NO 47 - 017 - 06419  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: Original Grade - 1112' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: New Milton  
 DISTRICT: New Milton COUNTY: Doddridge 141.46  
 SURFACE OWNER: Michael B. Dufflemeyer, et al; James D. Rogers, et al; Albert A. Hileman ACREAGE: 107 195; 107.25  
 ROYALTY OWNER: Joyce A. Shaw Nazelrod, et al; James D. Rooney, et al (2); A. Roslie Clark LEASE NO: ACREAGE: 56.6; 0.555; 10; 120.4  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,089' TVD 13,931' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stammer - CT Corporation System  
 ADDRESS: 1815 Wynkoop Street ADDRESS: 5400 D Big Tyler Road  
 Denver, CO 80202 Charleston, WV 25313