

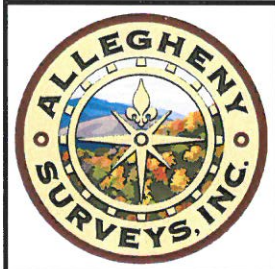
(⊙) Denotes Location of Well on United States Topographic Maps

**Notes:**  
**West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.**  
 Well No. Gainer Unit 1H Top Hole coordinates are  
 N: 282,654.02" Latitude: 39°16'14.63"  
 E: 1,686,011.79" Longitude: 80°36'32.65"  
 Bottom Hole coordinates are  
 N: 274,878.17" Latitude: 39°14'58.31"  
 E: 1,690,393.36" Longitude: 80°35'35.74"  
**UTM Zone 17, NAD 1983**  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,346,903.134m N: 4,344,556.474m  
 E: 533,737.337m E: 535,111.673m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.

	Bearing	Dist.
L1	N 04°49' W	1329.5'
L2	N 49°23' W	281.2'
L3	N 67°10' W	837.5'
L4	S 84°38' W	1307.0'

**Legend**

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



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.

FILE NO: 42-30-G-13  
 DRAWING NO: 42-13 As-Drilled Gainer 1H  
 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: 2015  
 OPERATOR'S WELL NO. Gainer Unit 1H  
 API WELL NO  
 47 - 017 - 06210  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: 1364' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: Salem & Big Isaac  
 DISTRICT: Greenbrier COUNTY: Doddridge  
 SURFACE OWNER: Carolyn N. Plaughter Ruby Sadler, et al ACREAGE: 328.92 51; 90  
 ROYALTY OWNER: C.E. Plaughter, et al; C.E. Plaughter, et ux, et al M.T. Williams, et ux, et al 003636; 21396 LEASE NO: DAD1988; DAD1906 ACREAGE: 165; 165; 376.78  
 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 DEPTH: 7,539' TVD 16,253' 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