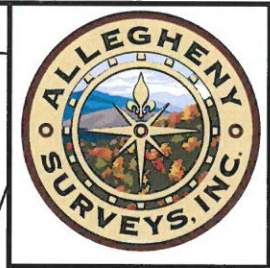


Antero Resources
Well No. Dierkes Unit 1H
As-Drilled
Antero Resources Corporation



4,610' to Top Hole
 747' to Bottom Hole
TOP HOLE LATITUDE 39 - 30 - 00
BOTTOM HOLE LATITUDE 39 - 27 - 30

Note: It appears 5 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.

LONGITUDE 80 - 55 - 00
 5,315' to Bottom Hole

13,247' to Top Hole

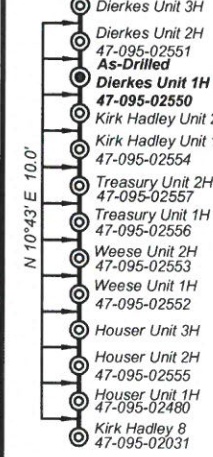
- Legend**
- ⊙ Proposed gas well
 - ⊗ Found corner, as noted
 - ⊙ Existing Well, as noted
 - - - Creek or Drain
 - - - Existing Road
 - - - Surface boundary (approx.)
 - - - Interior surface tracts (approx.)

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

As-Drilled Well No. Dierkes Unit 1H

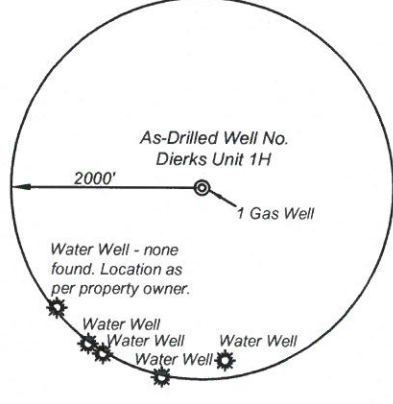
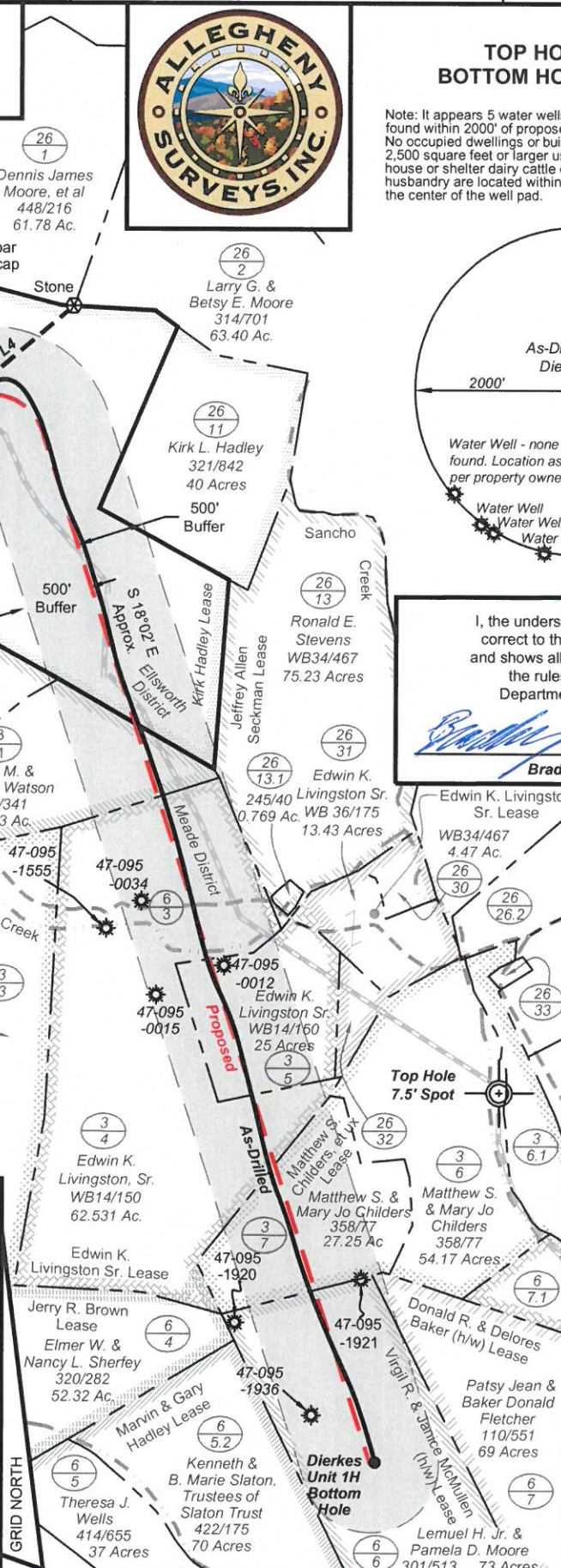
Bearing	Dist.
L1 N 42°28' E	741.5'
L2 S 30°13' E	975.6'
L3 S 28°54' W	1538.5'
L4 S 49°30' W	1833.5'

Wellhead Layout Detail Not to Scale



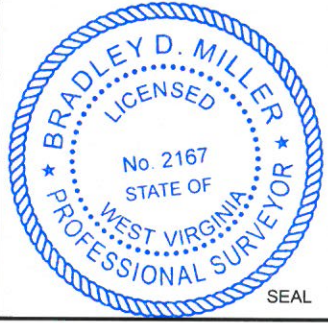
Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Dierkes Unit 1H Top Hole coordinates are
 N: 354,125.38' Latitude: 39°27'48.36"
 E: 1,595,641.90' Longitude: 80°55'56.11"
 Bottom Hole coordinates are
 N: 346,883.26' Latitude: 39°26'37.35"
 E: 1,599,265.20' Longitude: 80°55'08.45"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,368,217.102m N: 4,366,029.222m
 E: 505,842.565m E: 506,983.247m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

FILE NO: 216-54-M-16
 DRAWING NO: Dierkes 1H Well Plat
 SCALE: 1" = 1200'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV



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



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.

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

DATE: April 23 20 20
 OPERATOR'S WELL NO. Dierkes Unit 1H
 API WELL NO
 47 - 095 - 02550
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 912' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne
 DISTRICT: Meade & Ellsworth COUNTY: Tyler
 SURFACE OWNER: Kirk L. Hadley Nila Ash Saylor; Virgil R. & Janice McMullen (h/w) ACREAGE: 162 202; 125.93;
 ROYALTY OWNER: Kirk Hadley; Edwin K. Livingston Sr.; Matthew S. Childers, et ux; LEASE NO: ACREAGE: 89.49375; 172.101; 73;
 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: 14,535' MD 6,295' TVD

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