

5,265' to Bottom Hole

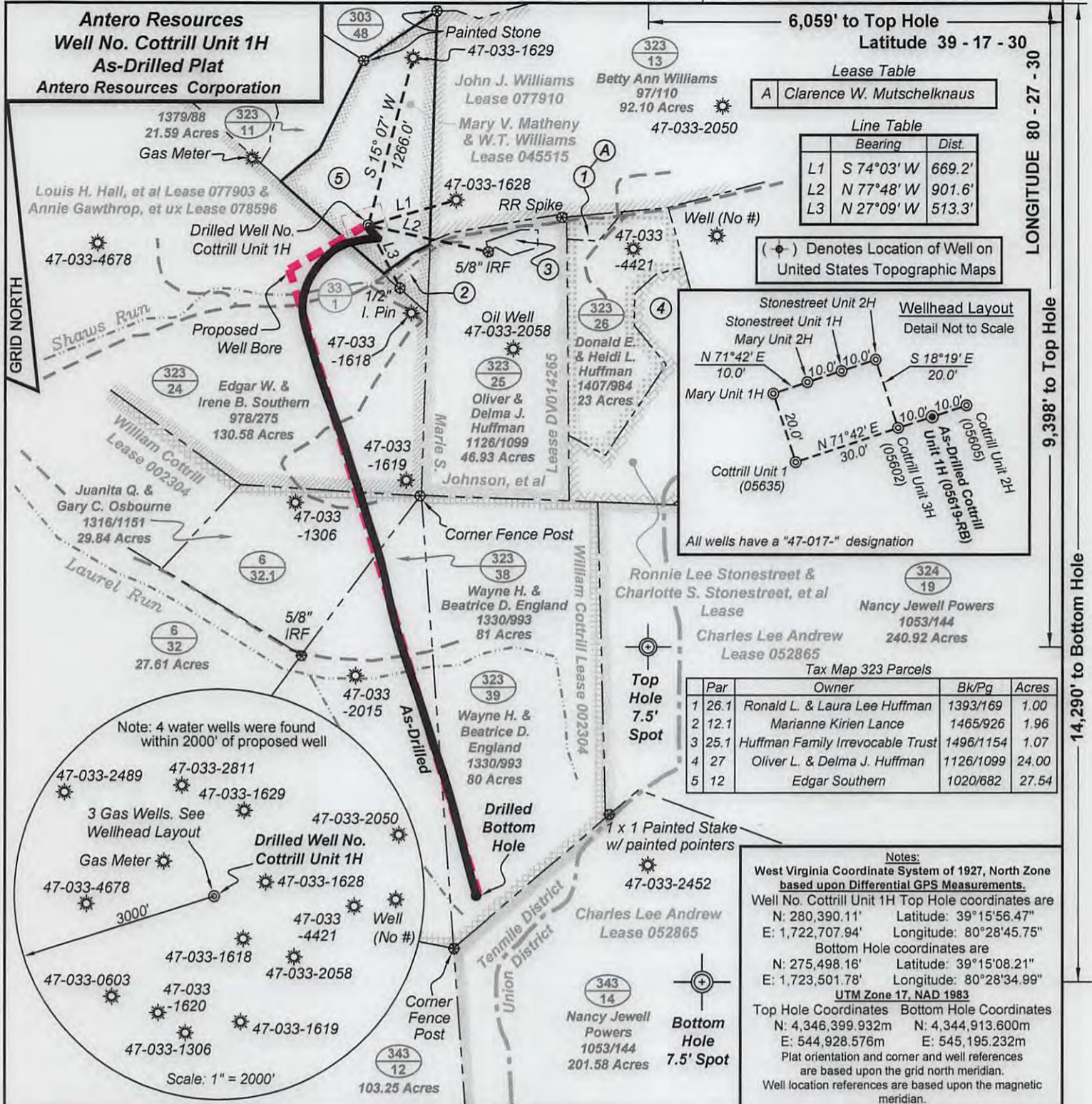
6,059' to Top Hole

Latitude 39 - 17 - 30

LONGITUDE 80 - 27 - 30

9,398' to Top Hole

14,290' to Bottom Hole



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.)

FILE NO: 222-36-TM-11  
DRAWING NO: Cottrill As-Drill Unit 1H  
SCALE: 1" = 1000'  
MINIMUM DEGREE OF ACCURACY: Submeter  
PROVEN SOURCE OF ELEVATION: CORS Glenville, WV

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

DATE: March 6 2015  
OPERATOR'S WELL NO. Cottrill Unit 1H  
API WELL NO  
47 - 033 - 05619-RB  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: 1175' WATERSHED: Tenmile Creek QUADRANGLE: Wolf Summit  
DISTRICT: Tenmile COUNTY: Harrison  
SURFACE OWNER: Edgar Southern Louis H. Hall, et al & Annie Gawthrop, et ux; 078596; 002304; ACREAGE: 27.54  
ROYALTY OWNER: Mary V. Matheny & W.T. Williams; William Cottrill LEASE NO: 045515; 077903 ACREAGE: 30; 132; 330  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,918' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale DEPTH: 11,970' 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