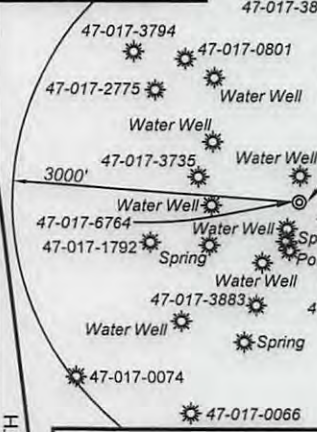


**Antero Resources**  
**Well No. Cobra Unit 2H**  
**Antero Resources Corporation**

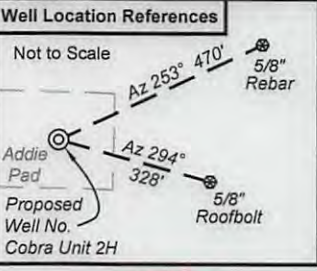
**Notes:**  
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. Cobra Unit 2H Top Hole coordinates are  
 N: 306,252.65' Latitude: 39°20'00.52"  
 E: 1,630,718.00' Longitude: 80°48'20.04"  
 Bottom Hole coordinates are  
 N: 315,003.35' Latitude: 39°21'26.93"  
 E: 1,630,210.13' Longitude: 80°48'28.12"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,353,811.176m N: 4,356,474.511m  
 E: 516,771.973m E: 516,572.769m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.

Note: It appears 13 water wells, 7 springs and a pond 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.

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



- Leases**
- A. Jerry L. Myer Lease
  - B. Thomas Lee White Lease
  - C. Sam Horton Lease
  - D. Kendra K. Cottrill Wyke Lease
  - E. Jeffrey W. Smith Lease



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.

*Kenneth J. Plum*  
**Kenneth J. Plum, P.S. 2216**



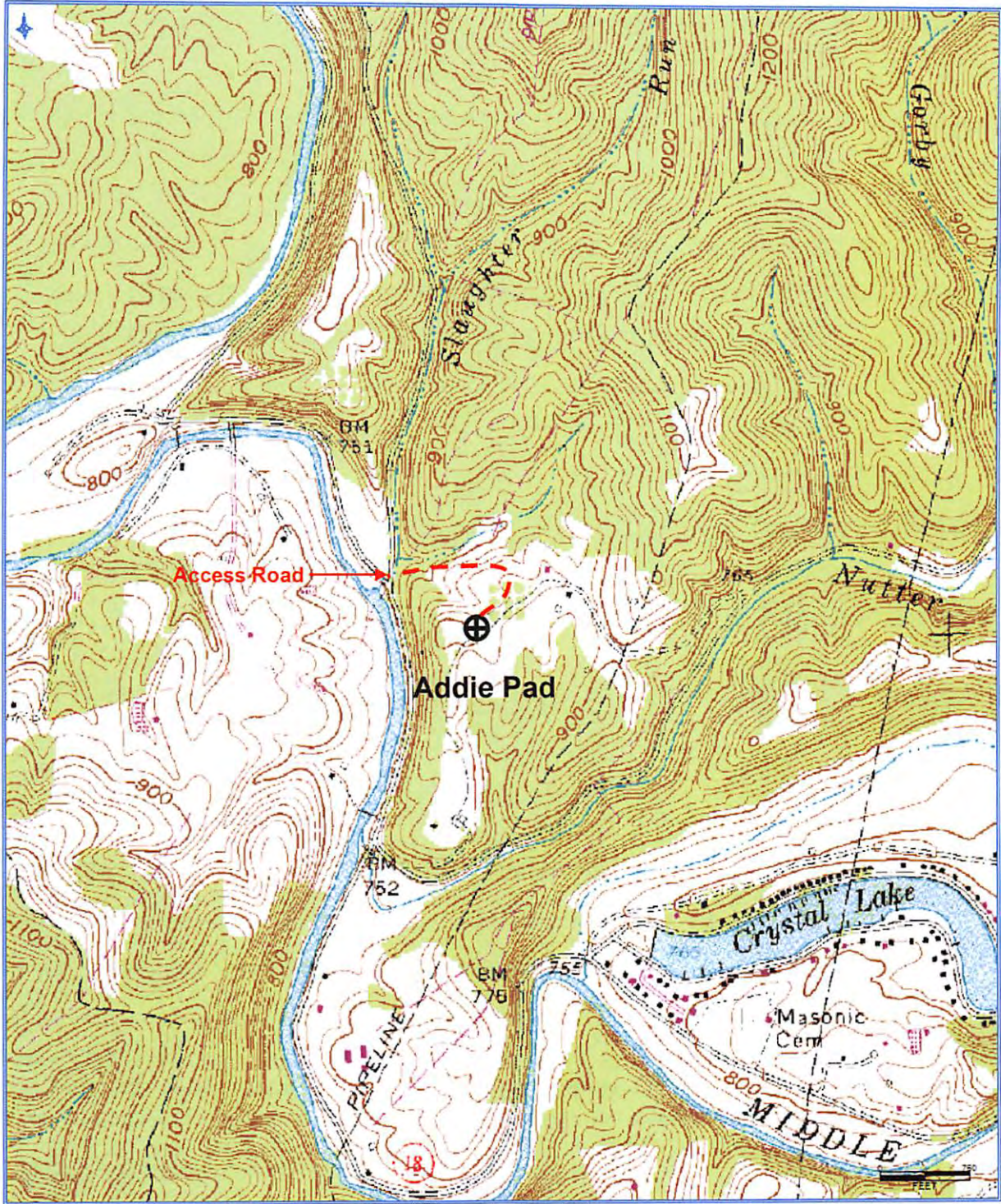
FILE NO: 45-30-WU-14  
 DRAWING NO: Cobra 2H Well Plat Extend  
 SCALE: 1" = 1200'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

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

DATE: February 6 20 17  
 OPERATOR'S WELL NO. Cobra Unit 2H  
 API WELL NO  
 47 - 017 - 06810  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: Existing 895' Proposed 890' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: West Union  
 DISTRICT: West Union E.O. Dawson, et al; Kendra K. Cottrill Wyke COUNTY: Doddridge  
 SURFACE OWNER: Antero Resources Corp. W.F. Smith, et al; Thomas Lee White ACREAGE: 25.9 368; 14.88  
 ROYALTY OWNER: J.C. Smith, Agent for Jacob Smith Estate; Bell Smith, et al LEASE NO: ACREAGE: 28.1; 45; 290; 79  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ 6,900' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 18,000' 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



Received  
Office of Oil & Gas  
FEB 13 2017

**Antero Resources Corporation**  
Appalachian Basin  
Cobra Unit 2H  
Doddridge County  
Quadrangle: West Union  
Watershed: Middle Island Creek  
District: West Union  
Date: 11-3-2015