

Antero Resources
Well No. Cobra Unit 1H
Antero Resources Corporation

Leases

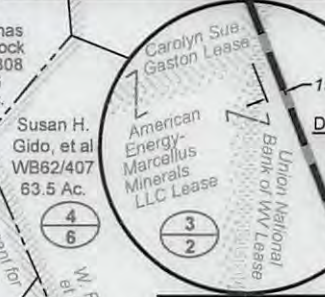
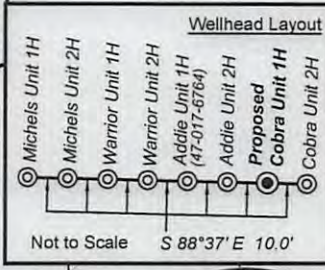
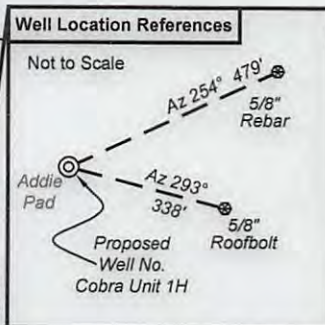
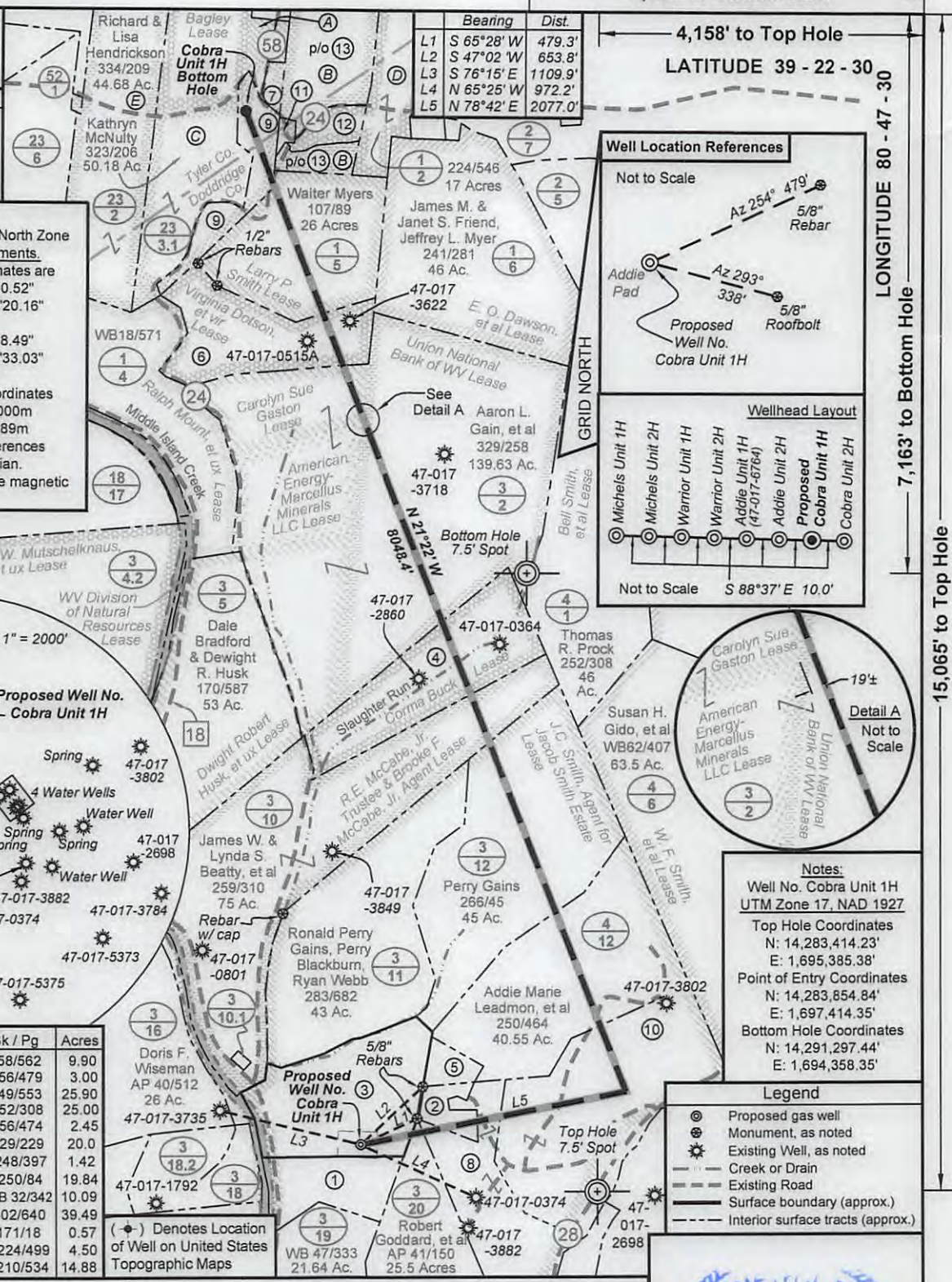
A. Jerry L. Myer Lease
 B. Thomas Lee White Lease
 C. S. A. Smith & C. Burke Morris Lease
 D. Kendra K. Cottrill Wyke Lease
 E. Asia D. Cumberlandge, et al Lease

Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Cobra Unit 1H Top Hole coordinates are
 N: 306,252.89' Latitude: 39°20'00.52"
 E: 1,630,708.00' Longitude: 80°48'20.16"
 Bottom Hole coordinates are
 N: 314,154.89' Latitude: 39°21'18.49"
 E: 1,629,812.32' Longitude: 80°48'33.03"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,353,811.198m N: 4,356,214.000m
 E: 516,768.926m E: 516,455.889m
 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.

Scale: 1" = 2000'

ID	TM/Par	Owner	Bk / Pg	Acres
1	3/17.1	Antero Resources Corp.	358/562	9.90
2	3/21.1	Charles & Carol Cottrill	256/479	3.00
3	3/17	Antero Resources Corp.	349/553	25.90
4	3/6	Thomas R. Prock	252/308	25.00
5	3/24	Charles L. & Carol Cottrill	256/474	2.45
6	1/7	Perry Gains & Aaron Gain	329/229	20.0
7	1/10.1	Jason & Jennifer Bagley	248/397	1.42
8	3/21	Addie Marie Leadmon	250/84	19.84
9	1/10	Judith Ann Bagley	WB 32/342	10.09
10	4/22	Gary M. & Mary Ann Eiff	302/640	39.49
11	1/1.1	Myron B. & Betty L. White	171/18	0.57
12	1/1.2	Charles & Roberta Beagle	224/499	4.50
13	1/1	Myron B. & Betty L. White	210/534	14.88



Notes:
 Well No. Cobra Unit 1H
 UTM Zone 17, NAD 1927
 Top Hole Coordinates
 N: 14,283,414.23'
 E: 1,695,385.38'
 Point of Entry Coordinates
 N: 14,283,854.84'
 E: 1,697,414.35'
 Bottom Hole Coordinates
 N: 14,291,297.44'
 E: 1,694,358.35'

Legend

- Proposed gas well
- Monument, as noted
- Existing Well, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)



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



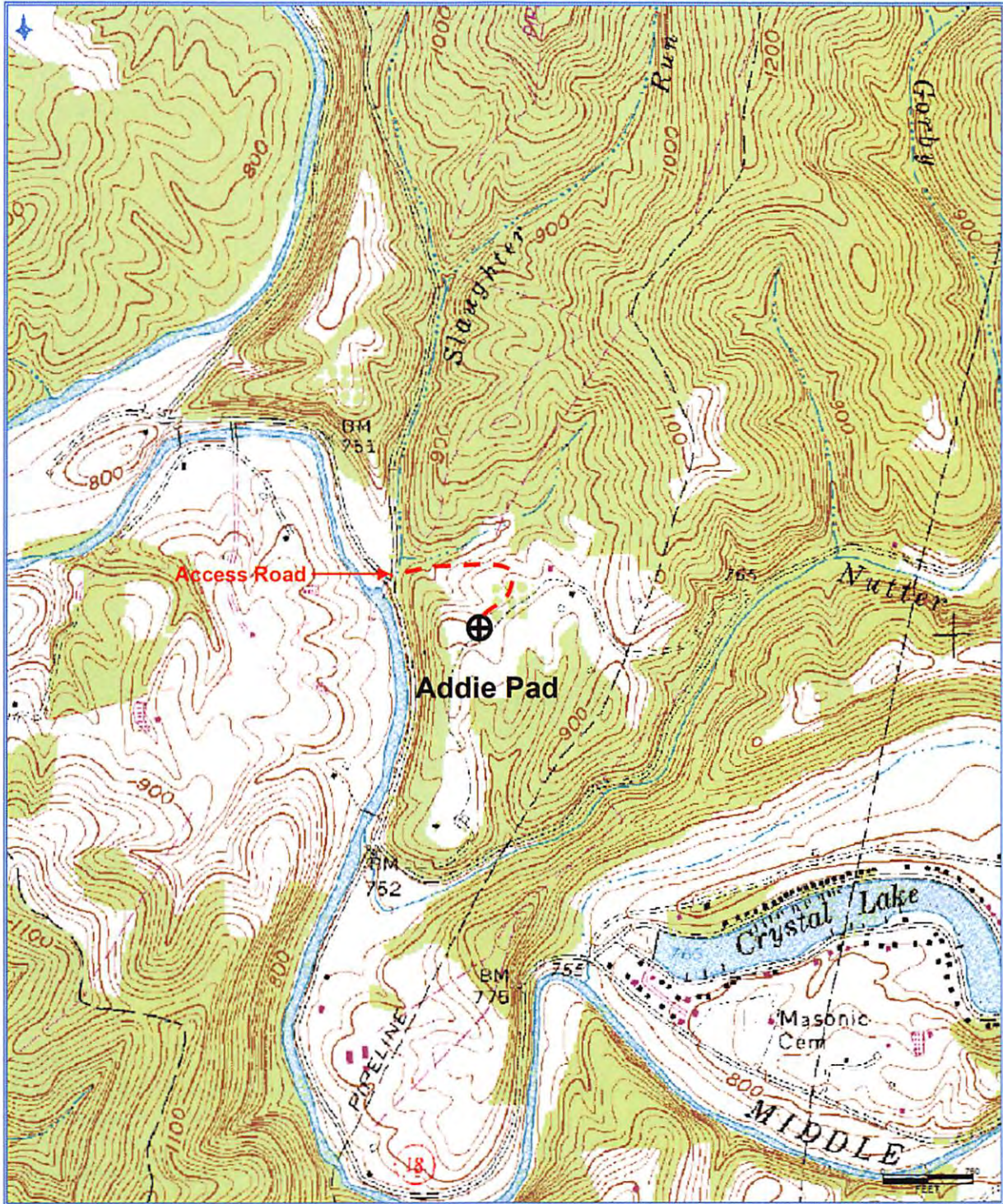
FILE NO: 45-30-WU-14
 DRAWING NO: Cobra 1H Well Plat Extend
 SCALE: 1" = 1200'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

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

DATE: February 6 20 17
 OPERATOR'S WELL NO. Cobra Unit 1H
 API WELL NO
 47 - 017 - 06809
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: Proposed 890' Existing 895' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: West Union
 DISTRICT: West Union Union National Bank of WV; Corma Buck; Larry P. Smith COUNTY: Doddridge
 SURFACE OWNER: Antero Resources Corp. J.C. Smith, Agent for Jacob Smith Estate; Virginia Dotson, et vir ACREAGE: 25.9 20; 79; 28.1
 ROYALTY OWNER: R. E. McCabe, Jr. Trustee & Brooke F. McCabe, Jr. Agent LEASE NO: ACREAGE: 25; 290; 75; 20
 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: 17,200' 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 1H
Doddridge County
Quadrangle: West Union
Watershed: Middle Island Creek
District: West Union
Date: 11-3-2015