

10,045' to Bottom Hole

4,989' to Top Hole  
LATITUDE 39 - 25 - 00

LONGITUDE 80 - 32 - 30  
2,370' to Bottom Hole  
11,630' to Top Hole

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



	Bearing	Dist.
L1	S 37°26' E	1228.5'
L2	N 21°07' W	339.6'

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

Legend

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

Notes:

West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. Booher Unit 1H Top Hole coordinates are  
 N: 323,944.31' Latitude: 39°23'04.48"  
 E: 1,700,720.61' Longitude: 80°33'31.82"  
 Bottom Hole coordinates are  
 N: 333,204.48' Latitude: 39°24'35.40"  
 E: 1,695,664.54' Longitude: 80°34'37.63"  
**UTM Zone 17, NAD 1983**  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,359,557.262m N: 4,362,352.718m  
 E: 538,008.897m E: 536,421.478m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.

Detail Not to Scale

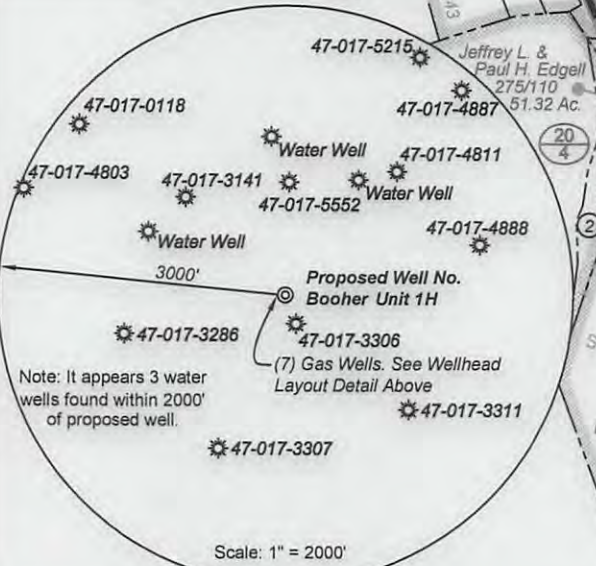
Well Location References



Tax Map 20 Parcels				
Par	Owner	DB/Pg	Acres	
1	25 Board of Education	67/233	0.50	
2	4.1 Robert J. & Diane Edgell	249/262	5.25	

Tax Map 14 Parcels				
Par	Owner	DB/Pg	Acres	
3	28.2 Charles Oakley Rigney & Kevin Ray Rigney	WB36/239	18.00	
4	28.3 Bertha Ann McCarty	203/601	7.80	
5	28.1 Andrea Devon Dufficy & Ashley Brennan	222/264	8.30	
6	29 Andrea Devon Dufficy & Ashley Brennan	222/264	17.39	
7	30.1 Paul M. Hutson	247/526	17.33	
8	30.4 Paul & Lisa Hutson	266/477	17.08	
9	30.2 David Paul Grimes	272/449	13.50	
10	30.4 Paul David Grimes	266/476	13.36	
11	20 Carl & Nannette Townsend	245/478	13.88	
12	19 Ronald P. Hutson & William Hutson	245/94	1.78	



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: 130-30-M-13  
 DRAWING NO: 130-13 Booher 1H Well Plat  
 SCALE: 1" = 1200'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: WVDOT, Bridgeport, WV

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

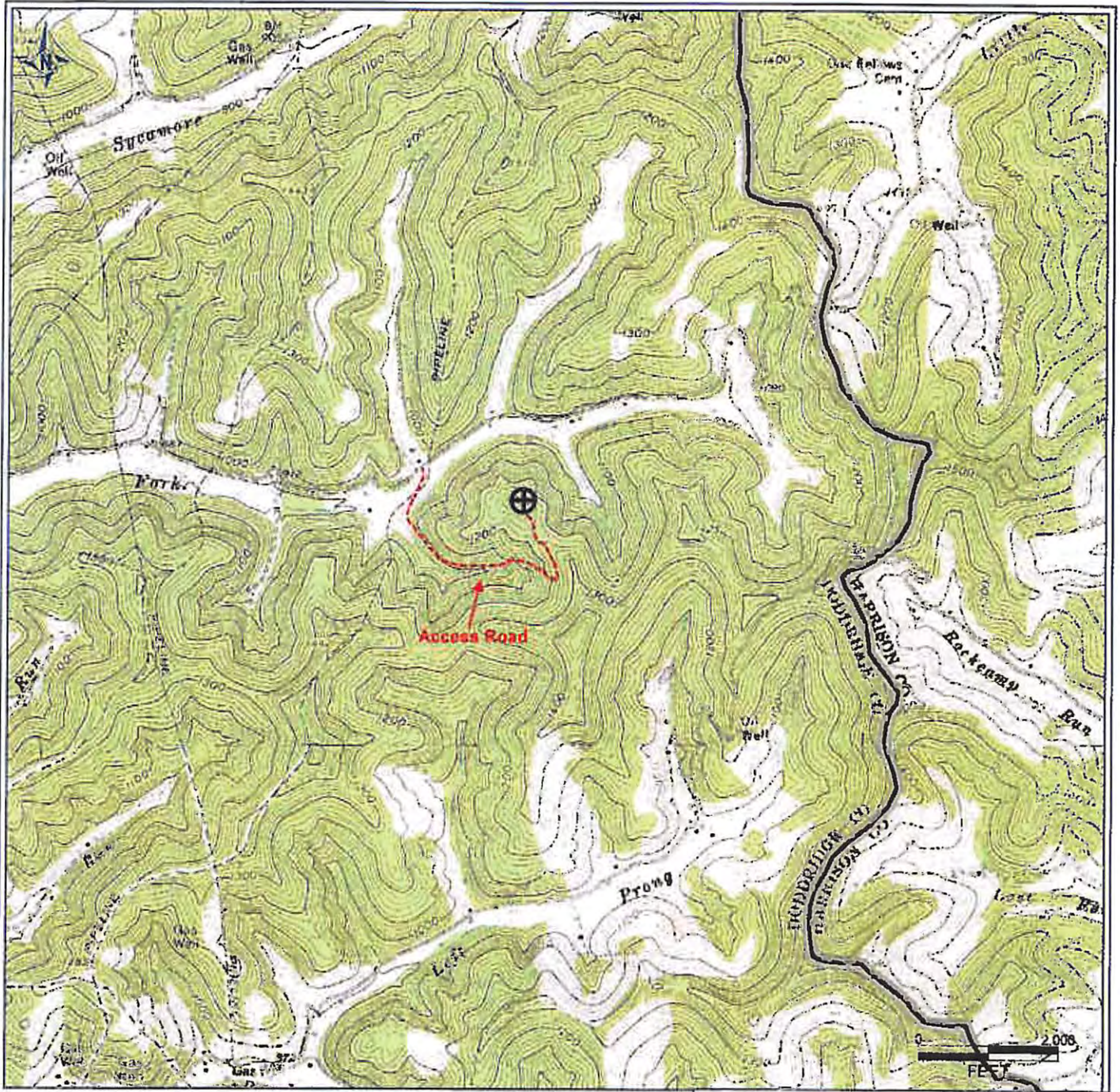
DATE: July 9 2013  
 OPERATOR'S WELL NO. Booher Unit 1H  
 API WELL NO MOD  
 47 - 017 - 063M H6A  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: 1270' WATERSHED: Pike Fork QUADRANGLE: Folsom  
 DISTRICT: McClellan COUNTY: Doddridge  
 SURFACE OWNER: David M. & Barbara K. Thompson W.J. & Martha M. Booher Blackstone Minerals Company, LP ACREAGE: 102.5 55; 65  
 ROYALTY OWNER: Clarence W. & Mary F. Mutschelknaus, et al; Chad Johnson Sara B. Estlack, et al; Luther E. Kile, et ux 20243 ACREAGE: 110; 136; 98; 160  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL-Modification  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,500' TVD 17,400' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System  
 ADDRESS: 1625 17th Street ADDRESS: 5400 D Big Tyler Road  
 Denver, CO 80202 Charleston, WV 25313

02/21/2014





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*DCW  
7-23-2013*

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Office of Oil and Gas

JUL 24 2013

WV Department of  
Environmental Protection

Antero Resources Corporation

APPALACHIAN BASIN

Booher Unit 1H  
Doddridge County



REMARKS  
QUADRANGLE: FOLSOM & SALEM  
WATERSHED: PIKE FORK  
DISTRICT: MCCLELLAN

Date: 6/20/2012