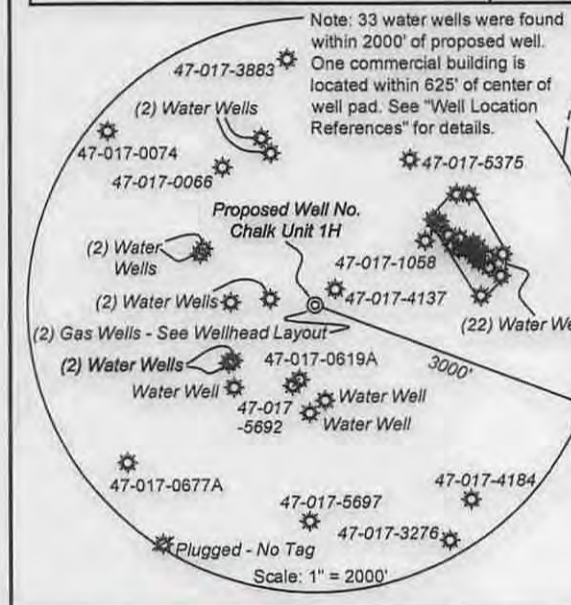


TM/Par	Bk / Pg	Acres	Owner(s)
1	6/2	214 / 279	32.19 William Randall Lynch & Dixie Janet Craig
2	6/2.5	253 / 222	8.66 Joseph L. & Maria McConnell
3	3/8	202 / 8	49.52 Dominion Field Services, Inc.
4	6/2.6	266 / 36	3.52 Equitrans, L.P.
5	6/1.3	305 / 416	4.68 Connie Ruckman
6	3/23	WB 47 / 723	3.00 Glen H. Montgomery, et al
7	3/19.1	265 / 582	7.00 Thomas K. Jr. & Penny A. Porter
8	3/18	228 / 723	6.84 David J. & Debra S. Smith
9	3/18.2	232 / 135	6.00 Michael A. Montgomery
10	3/17.1	261 / 508	9.90 Mary Hill Frame
11	3/9	239 / 114	7.39 John & Jennifer Layton
12	3/18.4	286 / 473	16.58 James W. & Lynda S. Beatty
13	3/10	259 / 310	75.00 Doris F. Wiseman
14	3/10.1	259 / 312	0.25 Skylar Ora & Clifford Warren Montgomery, et al
15	3/16	AP 40 / 512	26.00 Dale Bradford & Dewight R. Husk
16	3/19	WB 47 / 333	21.64
17	3/5	170 / 587	53.00

**Notes:**  
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. Chalk Unit 1H Top Hole coordinates are  
 N: 302,589.68' Latitude: 39°19'24.29"  
 E: 1,630,492.62' Longitude: 80°48'22.23"  
 Bottom Hole coordinates are  
 N: 310,806.31' Latitude: 39°20'45.13"  
 E: 1,628,025.77' Longitude: 80°48'55.14"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,352,694.097m N: 4,355,184.751m  
 E: 516,721.930m E: 515,928.838m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.



ID	Mineral Owner
(A)	William Randall Lynch, et ux, Memorandum of Oil & Gas Lease
(B)	William Randall Lynch & Dixie Craig Lease

**Wellhead Layout**

Proposed Chalk Unit 1H  
 Goldsmith Unit 2H  
 Caboose Unit 2H  
 Caboose Unit 1H  
 Chalk Unit 2H  
 Pickney Unit 2H  
 Pickney Unit 1H

Note A:  
 Tangent Point  
 N: 302,997.60'  
 E: 1,631,272.23'



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: 237-30-WU-14  
 DRAWING NO: 237-14 Chalk 1H Plat  
 SCALE: 1" = 1200'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: CORS, Marietta, OH

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

DATE: November 10 20 14  
 Operator's Well No. Chalk Unit 1H  
 API WELL NO 4604  
 47 - 017 - 060694  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: 863' WATERSHED: Middle Island Creek QUADRANGLE: West Union  
 DISTRICT: West Union Clarence W. Mutschelknaus, et ux; Joseph Freeman, et ux COUNTY: Doddridge  
 SURFACE OWNER: Randall Lynch & Dixie Craig William Randall Lynch & Dixie Craig; Dwight Robert Husk, et ux ACREAGE: 80.4 188; 290; 32.15  
 ROYALTY OWNER: J.C. Smith, Agent for Jacob Smith Estate; Joseph B. Hammond R.E. McCabe, Jr. Trustee & Brooke F. McCabe, Jr. Agent LEASE NO: ACREAGE: 53; 82.21; 75; 600  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 6,600' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 16,500' 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

04/10/2015



RECEIVED  
Office of Oil and Gas  
NOV 26 2014

WV Department of  
Environmental Protection

**Antero Resources Corporation**  
Appalachian Basin  
Chalk Unit 1H  
Doddridge County  
Quadrangle: West Union  
Watershed: Middle Island Creek  
District: West Union  
Date: 5-15-2014