

**Antero Resources**  
**Well No. Kirk Hadley Unit 1H**  
**As-Drilled**  
**Antero Resources Corporation**

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

3,103' to Bottom Hole

4,611' to Top Hole  
**TOP HOLE LATITUDE 39 - 30 - 00**  
**BOTTOM HOLE LATITUDE 39 - 27 - 30**

**Wellhead Layout**  
 Detail Not to Scale

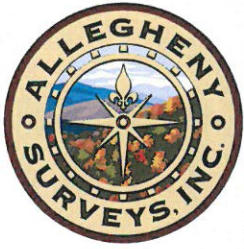
- Dierkes Unit 3H
- Dierkes Unit 2H 47-095-02551
- Dierkes Unit 1H 47-095-02550
- Kirk Hadley Unit 2H
- **Kirk Hadley Unit 1H 47-095-02554**
- Treasury Unit 2H 47-095-02557
- Treasury Unit 1H 47-095-02556
- Weese Unit 2H 47-095-02553
- Weese Unit 1H 47-095-02552
- Houser Unit 3H
- Houser Unit 2H 47-095-02555
- Houser Unit 1H 47-095-02460
- Kirk Hadley 8 47-095-02031

**Notes:**

West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. Kirk Hadley Unit 1H Top Hole coordinates are  
 N: 354,105.87' Latitude: 39°27'48.17"  
 E: 1,595,638.18' Longitude: 80°55'56.15"  
 Bottom Hole coordinates are  
 N: 346,147.11' Latitude: 39°26'29.71"  
 E: 1,596,909.59' Longitude: 80°55'38.33"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates N: 4,368,211.139m E: 505,841.531m  
 Bottom Hole Coordinates N: 4,365,792.951m E: 506,269.350m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.

**Bottom Hole**  
 7.5' Spot

Note: It appears 5 water wells 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.



Top Hole Coordinates, 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.

TM/Par	Bk/Pg	Acres	Owner(s)	
1	2 / 17	343/794	4.00	Manuela Reynolds
2	2 / 17.3	440/356	1.39	Curtis I. Watson
3	3 / 1.1	250/527	0.995	John M. & Lorie A. Watson
4	3 / 8	298/7	7.30	William L. & Jennifer Minger
5	3 / 2	215/506	0.48	Virginia Frazier
6	2 / 17.2	440/356	0.469	Curtis I. Watson
7	2 / 17.1	390/496	2.12	Manuela Reynolds
8	2 / 17.5	311/428	0.824	Jody L. & Jennifer Smith
9	2 / 17.4	306/667	1.00	Timothy R. & Sarah M. Patterson
10	2 / 16	319/331	1.87	Opal A. Wright
11	2 / 16.1	287/24	10.80	Timothy Patterson
12	2 / 16.2	349/249	0.76	Brenda L. George
13	2 / 19.2	336/412	3.069	Roger & Daniel Patterson
14	2 / 5.3	345/52	5.76	Timothy B. & Lisa D. Bowen

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.

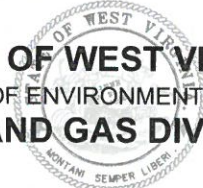
**Bradley D. Miller, P.S. 2167**



SEAL

FILE NO: 219-54-M-16  
 DRAWING NO: Kirk Hadley 1H-As-Drilled  
 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: April 23 20 20  
 OPERATOR'S WELL NO. Kirk Hadley Unit 1H  
 API WELL NO  
 47 - 095 - 02554  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: As-Built 912' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne  
 DISTRICT: Meade Marvin & Gary Hadley; COUNTY: Tyler 55; 100; 202;  
 SURFACE OWNER: Kirk L. Hadley; Glenna R. McMullen; Nila Ash Saylor; 125.93; 119;  
 ROYALTY OWNER: Kirk Hadley; Angela K. & James A. Long Jr. (h/w); Terry & Nancy Baxter (h/w); Mark & Heidi Humm (h/w); ACREAGE: 162 85.57; 166.09;  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,257' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 14,328' 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