

10,085' TO TOP HOLE

LATITUDE 39°22'30"

8,245'

LATITUDE 39°22'30"

LONGITUDE 80°52'30"

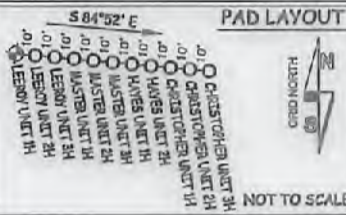
LONGITUDE 80°52'30"

11,445' TO BOTTOM HOLE

### Antero Resources Corporation Well No. Leeroy Unit 1H

**NOTES:**  
**WELL 1H TOP HOLE INFORMATION:**  
 N: 318,128ft E: 1,601,171ft  
 LAT: 39°21'53.47" LON: 80°54'38.41"  
**BOTTOM HOLE INFORMATION:**  
 N: 310,352ft E: 1,602,892ft  
 LAT: 39°20'36.88" LON: 80°54'14.95"  
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER 1H TOP HOLE MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

**(NAD) 83 (UTM) ZONE 17 COORDS:**  
**WELL 1H TOP HOLE INFORMATION:**  
 N: 4,357,279m E: 507,710m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,354,918m E: 503,274m

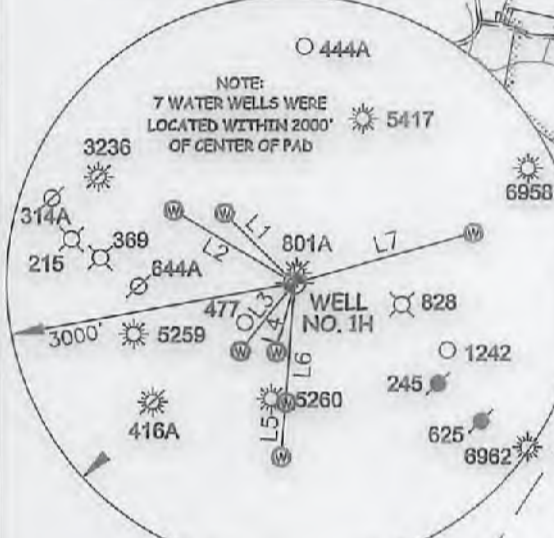


| TM-Per  | Surface Owner                | Beats/Pg | Acres/A   |
|---------|------------------------------|----------|-----------|
| 04-09   | Christin Haymond             | 346/484  | 111.48 AC |
| 04-10   | Perkins Oil & Gas Inc.       | 318/683  | 73.168 AC |
| 04-10.1 | Perkins Oil & Gas Inc.       | 316/760  | 0.996 AC  |
| 04-10.2 | Perkins Oil & Gas Inc.       | 316/750  | 19.772 AC |
| 04-11.1 | Nancy Richards               | 297/286  | 1.898 AC  |
| 04-11.2 | Tenany Richmond              | 305/287  | 1.56 AC   |
| 04-13   | Antero Resources Corp.       | 341/928  | 1.25 AC   |
| 04-13.1 | Trustees Alameda Comm. Bldg. | 124/569  | 1 AC      |
| 04-14   | Jacob Cox                    | 340/525  | 5.747 AC  |
| 04-14.3 | Rachy McClain                | 286/361  | 1 AC      |
| 04-15   | Christopher Haymond          | 214/99   | 1.33 AC   |
| 04-16   | Charles Stull                | 193/778  | 1 AC      |
| 04-22   | Donald Freese                | 262/167  | 42.22 AC  |
| 04-22.1 | Jacob Cox                    | 340/525  | 5.91 AC   |
| 04-23   | Mary Lou Dawson              | 283/268  | 0.781 AC  |
| 04-25   | Dina Holland                 | 297/27   | 1.12 AC   |
| 04-26   | Gregory Dar                  | 302/532  | 0.709 AC  |
| 04-27   | Perkins Oil & Gas Inc.       | 308/653  | 29.589 AC |
| 04-27.1 | Perkins Oil & Gas Inc.       | 308/653  | 0.79 AC   |
| 04-31   | Myron Perkins                | 186/921  | 1.39 AC   |
| 04-31.1 | Burt Newbold Sr.             | 316/1040 | 90.656 AC |
| 04-32   | Gary Bishop                  | 339/48   | 4.7 AC    |
| 04-39   | Gary Bishop                  | 339/43   | 24.256 AC |
| 04-35.1 | Lewis Jones                  | 309/503  | 23.424 AC |
| 04-36   | William Shirver              | 185/415  | 21.4 AC   |
| 04-39   | Scott Leggett                | 346/291  | 0.78 AC   |
| 04-43   | Walker Fleming               | 280/373  | 4.66 AC   |
| 04-43.1 | Scott Leggett                | 346/291  | 0.829 AC  |
| 04-44   | Donald Morrison              | 184/281  | 1.25 AC   |
| 04-47   | Sheila Taylor                | 316/893  | 6.07 AC   |
| 04-47.1 | William Shirver              | 185/415  | 8.5 AC    |
| 04-50   | James Mahoney                | 287/216  | 5 AC      |
| 04-51   | Jacob Cox                    | 340/525  | 2.2 AC    |
| 09-01   | James Mahoney                | 277/668  | 147.83 AC |
| 09-03   | Matthew Washington           | 306/130  | 39.66 AC  |
| 09-17   | Rossiter Holmes              | 298/481  |           |
| 09-19   | Roger Scott                  | 280/626  | 66 AC     |
| 09-20   | Walter Smertycha             | 317/69   | 70.5 AC   |
| 09-21   | Roy Robinson                 | 176/817  | 36 AC     |
| 09-24   | Roy Robinson Jr.             | 227/662  | 67.25 AC  |
| 09-27   | Jenney Lump                  | 295/929  | 0.789 AC  |

**Royalty Owner**

|   |                                |
|---|--------------------------------|
| A | The Irene Nutter Haymond Trust |
| B | Glen Ellis                     |
| C | Gary R. Davis Et Ux            |
| D | Gary R. Davis Et Ux            |
| E | Kysor Haymond Jr. Et Al        |
| F | Mary Lou Dawson                |
| G | Charles E. Stull Et Ux         |
| H | Candice Winzler Nilsson        |
| I | Candice Winzler Nilsson        |
| J | Myron Perkins Et Ux            |
| K | Heleen N. McCullough           |
| L | Norman Fleming                 |
| M | Ricky McCullough               |
| N | Emerson McCullough Et Al.      |
| O | L. S. Taggart Et Al            |
| P | Union Bank of Harrisville      |
| Q | Gene P. Bond                   |
| R | H. K. Haymond Et Al            |
| S | Richard K. McCullough          |
| T | Donald R. Reynolds             |

| LINE | BEARING    | DIST.   |
|------|------------|---------|
| L1   | N 44°29' W | 1030.7' |
| L2   | N 58°42' W | 1467.2' |
| L3   | S 38°14' W | 908.2'  |
| L4   | S 14°39' W | 747.3'  |
| L5   | S 04°35' W | 1820.0' |
| L6   | S 04°09' W | 1253.8' |
| L7   | N 74°14' E | 1942.9' |



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 PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

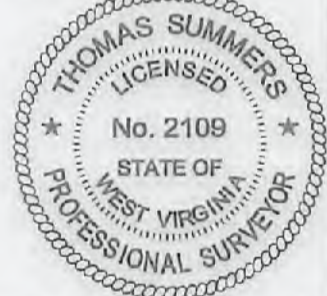


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC  
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

**(NAD) 27 (UTM) ZONE 17 COORDS:**  
**WELL 1H TOP HOLE INFORMATION:**  
 N: 14,294,791ft E: 1,665,664ft  
**POINT OF ENTRY INFORMATION:**  
 N: 14,294,539ft E: 1,664,964ft  
**BOTTOM HOLE INFORMATION:**  
 N: 14,287,047ft E: 1,667,515ft

**NOTE:**  
NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.



| JOB #   | LEGEND                           | REFERENCES      |
|---|----------------------------------|-----------------|
| 17-014WA  | Surface Owner Boundary Lines +/- | STAKE/MAIL, SET |
| DRAWING # LEEROY1H  | Interior Surface Tracts +/-      |                 |
| SCALE 1" = 2000'  | Existing Fence                   |                 |
| MINIMUM DEGREE OF ACCURACY SUBMETER                                 | Found monument, as noted         |                 |
| PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS                   | <i>Thomas Summers</i>            |                 |
| STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS | THOMAS SUMMERS P.S. 2109         |                 |
|   | DATE 04/13/18                    |                 |
|   | OPERATOR'S WELL# LEEROY UNIT #H  |                 |

|   |   |
|---|---|
| WELL TYPE: OIL ___ GAS <input checked="" type="checkbox"/> LIQUID INJECTION ___ WASTE DISPOSAL ___  | 47 - 085 - 10362  |
| (IF "GAS") PRODUCTION <input checked="" type="checkbox"/> STORAGE ___ DEEP ___ SHALLOW <input checked="" type="checkbox"/>                                  | STATE COUNTY PERMIT                                     |
| LOCATION: ELEVATION 974' - ORIGINAL 970' PROPOSED   | WATERSHED NORTH FORK HUGHES RIVER                       |
| QUADRANGLE PENNSBORO 7.5'   | DISTRICT CLAY COUNTY RITCHIE                            |
| SURFACE OWNER DANIEL M. HAYMOND IV. ET AL   | ACREAGE 111.48 ACRES +/-                                |
| OIL & GAS ROYALTY OWNER THE IRENE NUTTER HAYMOND TRUST; GARY R. DAVIS ET UX;  | LEASE ACREAGE 375 AC±; 10.25 AC±;                       |
| KYSOR HAYMOND JR. ET AL; MYRON PERKINS ET UX; HELEN N. McCULLOUGH; NORMAN FLEMING;  | 8.5 AC±; 1.42 AC±; 103 AC±; 49.5 AC±                    |
| RICKY McCULLOUGH; EMERSON McCULLOUGH ET AL; L. S. TAGGART ET AL; GENE P. BOND   | 9.92 AC±; 154 AC±; 151 AC±; 70.5 AC±                    |
| PROPOSED WORK: DRILL <input checked="" type="checkbox"/> CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE <input checked="" type="checkbox"/> |   |
| PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION <input checked="" type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL  |   |
| (SPECIFY) ___ PLUG & ABANDON ___ CLEAN OUT & REPLUG ___   |   |
| TARGET FORMATION MARCELLUS  | ESTIMATED DEPTH 6,800' TVD 15,800' MD                   |
| WELL OPERATOR ANTERO RESOURCES CORP.  | DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM |
| ADDRESS 1615 WYNKOOP ST.  | ADDRESS 5400 D BIG TYLER ROAD                           |
| FORM WW-6 DENVER, CO 80202  | CHARLESTON, WV 25313                                    |

06/29/2018

**Antero Resources Corporation**  
Appalachian Basin  
Leeroy Unit 1H  
Ritchie County

Quadrangle: Middlebourne  
Watershed: North Fork Hughes River  
District: Clay  
Date: 2-1-2017

