

10,075' TO TOP HOLE

LATITUDE 39°22'30"

8,125'

LATITUDE 39°22'30"

LONGITUDE 80°52'30"

LONGITUDE 80°52'30"

11,463' TO BOTTOM HOLE

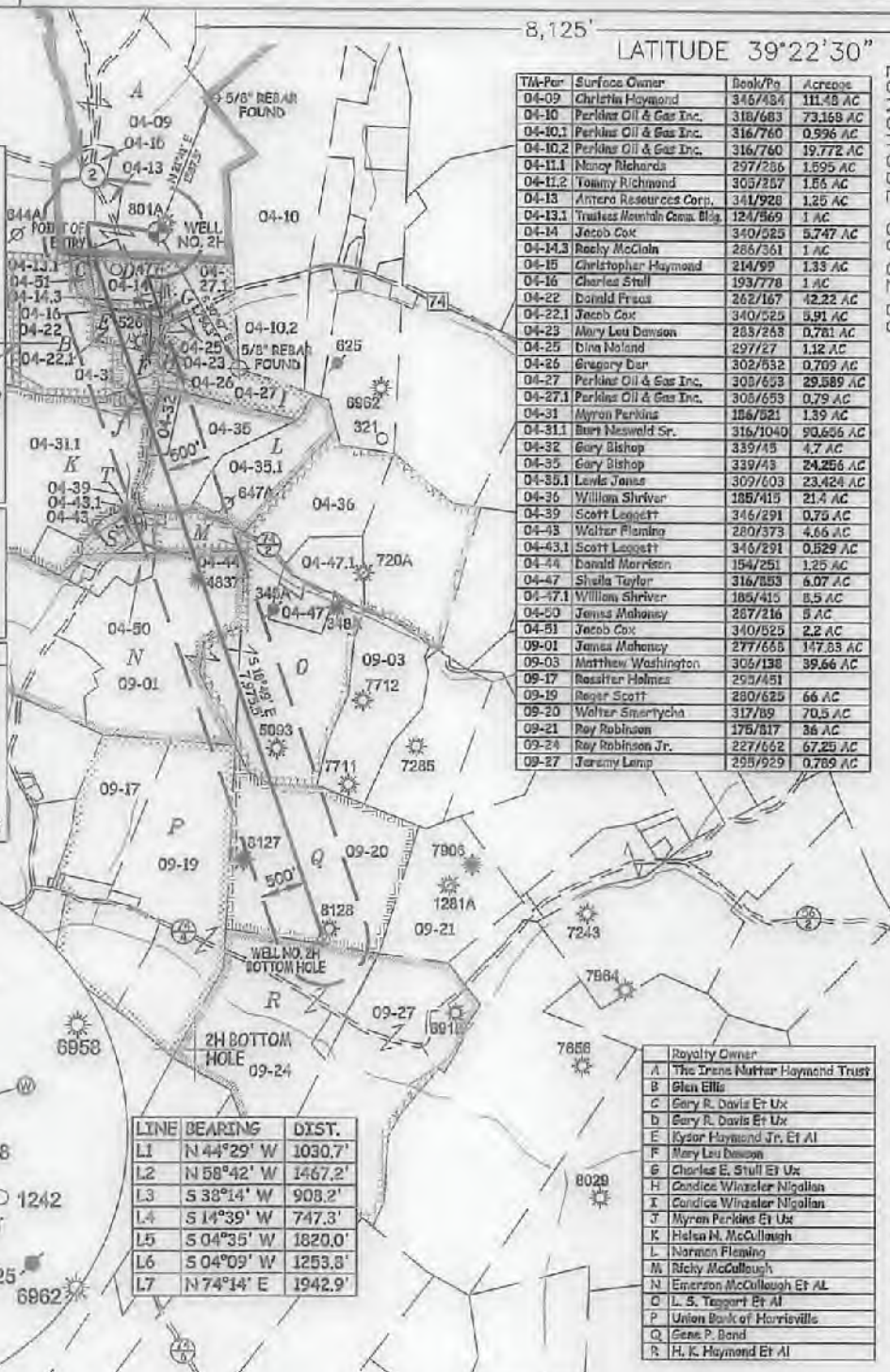
### Antero Resources Corporation Well No. Leeroy Unit 2H

**NOTES:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 318,127ft E: 1,601,181ft  
 LAT: 39°21'53.46" LON: 80°54'38.29"  
**BOTTOM HOLE INFORMATION:**  
 N: 310,332ft E: 1,603,011ft  
 LAT: 39°20'36.71" LON: 80°54'13.43"  
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER. 2H TOP MAPPING GRADE GPS UNIT. HOLE PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

**(NAD) 83 (UTM) ZONE 17 COORDS:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 4,357,278m E: 507,713m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,354,913m E: 508,310m



WV NORTH ZONE  
GRID NORTH



| TMI-Per | Surface Owner                  | Book/Pg  | Acres     |
|---------|--------------------------------|----------|-----------|
| 04-09   | Christin Hayward               | 346/484  | 111.48 AC |
| 04-10   | Perkins Oil & Gas Inc.         | 316/683  | 73.168 AC |
| 04-10.1 | Perkins Oil & Gas Inc.         | 316/760  | 0.996 AC  |
| 04-10.2 | Perkins Oil & Gas Inc.         | 316/760  | 19.772 AC |
| 04-11.1 | Marcy Richards                 | 297/256  | 1.695 AC  |
| 04-11.2 | Tommy Richmond                 | 305/257  | 1.65 AC   |
| 04-13   | Antero Resources Corp.         | 341/928  | 1.25 AC   |
| 04-13.1 | Trustees North Fork Coal. Bldg | 124/569  | 1 AC      |
| 04-14   | Jacob Cox                      | 340/525  | 9.747 AC  |
| 04-14.3 | Reilly 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 Fraso                   | 262/167  | 42.22 AC  |
| 04-22.1 | Jacob Cox                      | 340/525  | 5.91 AC   |
| 04-23   | Mary Lou Dawson                | 285/268  | 0.781 AC  |
| 04-25   | Dina Noland                    | 297/27   | 1.12 AC   |
| 04-26   | Gregory Bar                    | 302/552  | 0.709 AC  |
| 04-27   | Perkins Oil & Gas Inc.         | 303/653  | 29.589 AC |
| 04-27.1 | Perkins Oil & Gas Inc.         | 303/653  | 0.79 AC   |
| 04-31   | Myron Perkins                  | 186/521  | 1.39 AC   |
| 04-31.1 | Bern Mesweld Sr.               | 316/1040 | 90.656 AC |
| 04-32   | Gary Bishop                    | 339/45   | 4.7 AC    |
| 04-35   | Gary Bishop                    | 339/43   | 24.256 AC |
| 04-35.1 | Levin James                    | 309/603  | 23.424 AC |
| 04-36   | William Shriver                | 185/415  | 21.4 AC   |
| 04-39   | Scott Leggett                  | 346/291  | 0.75 AC   |
| 04-43   | Walter Fleming                 | 280/373  | 4.66 AC   |
| 04-43.1 | Scott Leggett                  | 346/291  | 0.829 AC  |
| 04-44   | Donald Morrison                | 154/251  | 1.25 AC   |
| 04-47   | Shella Taylor                  | 316/553  | 6.07 AC   |
| 04-47.1 | William Shriver                | 185/415  | 8.5 AC    |
| 04-50   | Jenna Mahoney                  | 287/216  | 5 AC      |
| 04-51   | Jacob Cox                      | 340/525  | 2.2 AC    |
| 09-01   | Jenna Mahoney                  | 277/655  | 147.53 AC |
| 09-03   | Matthew Washington             | 306/138  | 39.66 AC  |
| 09-17   | Rosette Holmes                 | 253/451  |           |
| 09-19   | Reyer Scott                    | 280/625  | 66 AC     |
| 09-20   | Walter Smartycha               | 317/89   | 70.5 AC   |
| 09-21   | Ray Robinson                   | 176/317  | 36 AC     |
| 09-24   | Ray Robinson Jr.               | 227/652  | 67.25 AC  |
| 09-27   | Jeremy Lemp                    | 255/929  | 0.789 AC  |

| LINE | BEARING    | DIST.   |
|------|------------|---------|
| L1   | N 44°29' W | 1030.7' |
| L2   | N 58°42' W | 1467.2' |
| L3   | S 33°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' |

**Royalty Owner**

|   |                                |
|---|--------------------------------|
| A | The Irene Nutter Haymond Trust |
| B | Blair 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 | Condice Winsler Nigallan       |
| I | Condice Winsler Nigallan       |
| J | Myron Perkins Et Ux            |
| K | Helen N. McCullough            |
| L | Norman Fleming                 |
| M | Ricky McCullough               |
| N | Emerson McCullough Et Al       |
| O | L. S. Taggart Et Al            |
| P | Union Bank of Morrisville      |
| Q | Gene P. Bond                   |
| R | H. K. Haymond Et Al            |



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.

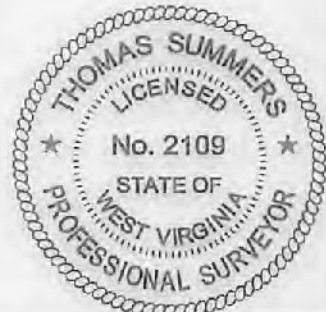


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

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

**(NAD) 27 (UTM) ZONE 17 COORDS:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 14,294,790ft E: 1,665,674ft  
**POINT OF ENTRY INFORMATION:**  
 N: 14,294,533ft E: 1,664,938ft  
**BOTTOM HOLE INFORMATION:**  
 N: 14,287,090ft E: 1,667,634ft

**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         |
|---|---|--------------------|
| JOB # 17-014WA  | Surface Owner Boundary Lines +/-                        | STAKE/NAIL, SET    |
| DRAWING # LEEROY2HR   | 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 07/18/18   |                    |
|   | OPERATOR'S WELL# LEEROY UNIT #2H                        |                    |
|   | 1" = 400'   | 1" = 400'          |
| WELL TYPE: OIL ___ GAS <input checked="" type="checkbox"/> LIQUID INJECTION ___ WASTE DISPOSAL ___  |   |                    |
| (IF "GAS") PRODUCTION <input checked="" type="checkbox"/> STORAGE ___ DEEP ___ SHALLOW <input checked="" type="checkbox"/>                                  |   |                    |
| LOCATION: ELEVATION 970' - AS BUILT   | WATERSHED NORTH FORK HUGHES RIVER                       |                    |
| QUADRANGLE PENNSBORO 7.6  | 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 ___ CONVERT ___ DRILL DEEPER <input checked="" type="checkbox"/> 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) MOD-BHL                      | PLUG & ABANDON  | CLEAN OUT & REPLUG |
| TARGET FORMATION MARCELLUS  | ESTIMATED DEPTH 6,800' TVD 15,900' 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                                    |                    |

COUNTY NAME  
PERMIT  
HGA