

10,076' TO TOP HOLE

LATITUDE 39°22'30"

8,146'

LATITUDE 39°22'30"

LONGITUDE 80°52'30"

3,697'

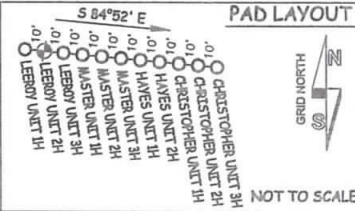
LONGITUDE 80°52'30"

11,304' TO BOTTOM HOLE

Antero Resources Corporation Well No. Leeroy Unit 2H

AS DRILLED DATA:
WELL 2H TOP HOLE INFORMATION:
 N: 318,127ft E: 1,601,180ft
 LAT: 39°21'53.46" LON: 80°54'38.29"
BOTTOM HOLE INFORMATION:
 N: 310,491ft E: 1,602,993ft
 LAT: 39°20'38.28" LON: 80°54'13.69"
 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.

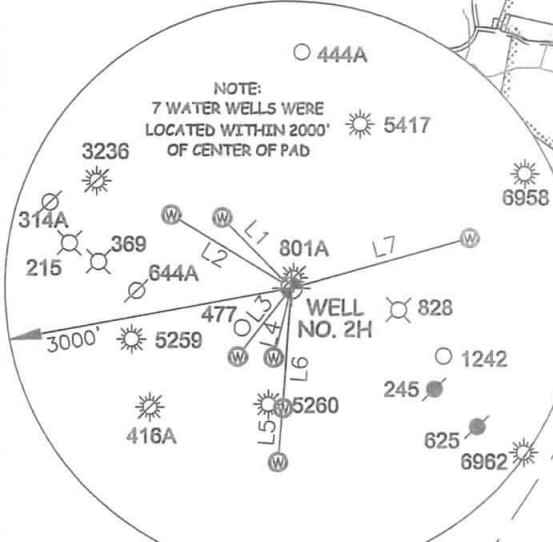
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 2H TOP HOLE INFORMATION:
 N: 4,357,278m E: 507,713m
BOTTOM HOLE INFORMATION:
 N: 4,354,961m E: 508,304m



TM-Par	Surface Owner	Book/Pg	Acreage
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.	316/760	19.772 AC
04-11.1	Nancy Richards	297/286	1.595 AC
04-11.2	Tommy Richmond	305/287	1.86 AC
04-13	Antero Resources Corp.	341/928	1.25 AC
04-13.1	Trustees Mountain Comm. Bldg.	124/569	1 AC
04-14	Jacob Cox	340/525	5.747 AC
04-14.3	Rocly McCain	286/361	1 AC
04-15	Christopher Haymond	214/99	1.33 AC
04-16	Charles Stull	193/778	1 AC
04-22	Donald Freas	262/167	42.22 AC
04-22.1	Jacob Cox	340/525	5.91 AC
04-23	Mary Lou Dawson	283/263	0.781 AC
04-25	Dina Noland	297/27	1.12 AC
04-26	Gregory Der	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	186/521	1.39 AC
04-31.1	Burt Neswald 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	Lewis Jones	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	0.529 AC
04-44	Donald Morrison	154/251	1.25 AC
04-47	Sheila Taylor	316/853	6.07 AC
04-47.1	William Shriver	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	306/138	39.66 AC
09-17	Rassiter Holmes	295/451	
09-19	Regar Scott	280/625	66 AC
09-20	Walter Smertycha	317/89	70.5 AC
09-21	Roy Robinson	175/817	36 AC
09-24	Roy Robinson Jr.	227/662	67.25 AC
09-27	Jeremy Lamp	295/929	0.789 AC

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'

Royalty Owner	
A	The Irene Nutter Haymond Trust
B	Elen 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 Winzeler Nigolian
I	Candice Winzeler Nigolian
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 Harrisville
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



JOB # 17-014WA	LEGEND - - - Surface Owner Boundary Lines +/- - - - Interior Surface Tracts +/- ○ Proposed Well Path ⊗ As Drilled Well Path
DRAWING # LEEROY2HAD	
SCALE 1" = 2000'	 THOMAS SUMMERS P.S. 2109
MINIMUM DEGREE OF ACCURACY SUBMETER	
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS	DATE 09/04/19
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS	OPERATOR'S WELL# LEEROY UNIT #2H

- 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.
 - TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 - AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 - WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE LEASE AND INFORMATION PROVIDED TO THE LEASEE BOUNDARIES.
 - WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 085 - 10363
 (IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW STATE COUNTY PERMIT
 LOCATION: ELEVATION 970' - AS BUILT 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 ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___
 PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL
 (SPECIFY) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,354' TVD 14,475' 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