

10,075' TO TOP HOLE

LATITUDE 39°22'30"

7,519'

LATITUDE 39°22'30"

LONGITUDE 80°52'30"

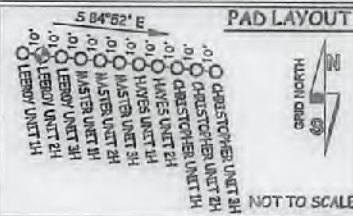
LONGITUDE 80°52'30"

LONGITUDE 80°52'30"

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: 310,307ft E: 1,603,617ft
 LAT: 39°20'36.55" LON: 80°54'05.71"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 660XT SUBMETER. 2H TOP MAPPING GRADE 6PS UNIT. 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: 4,354,908m E: 508,495m

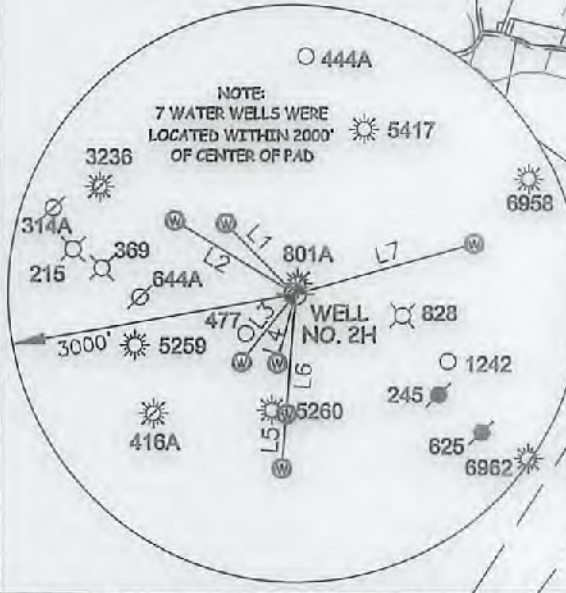


TM-Par	Surface Owner	Book/Pg	Acres
04-09	Christin Haymond	346/484	111.48 AC
04-10	Perkins Oil & Gas Inc.	318/683	73.168 AC
04-10.2	Perkins Oil & Gas Inc.	316/760	19,772 AC
04-13	Antero Resources Corp.	341/928	1.25 AC
04-13.1	Trustees Maubeta Comm. Bldg.	124/559	1 AC
04-14	Jacob Cox	340/625	8,747 AC
04-14.3	Ricky McCulloch	286/361	1 AC
04-15	Christopher Haymond	214/959	1.33 AC
04-16	Charles Stull	193/773	1 AC
04-22	Donald Frens	262/167	42.22 AC
04-22.1	Jacob Cox	340/925	6.91 AC
04-23	Mary Lou Dawson	283/263	0.781 AC
04-25	Dina Noland	297/27	1.12 AC
04-26	Gregory Ben	302/532	0,709 AC
04-27	Perkins Oil & Gas Inc.	308/653	29,589 AC
04-27.1	Perkins Oil & Gas Inc.	309/653	0.79 AC
04-31	Alycen Perkins	186/821	1.39 AC
04-31.1	Burt Newbold Sr.	316/1040	90,686 AC
04-32	Gary Bishop	339/45	4.7 AC
04-35	Gary Bishop	339/45	24,286 AC
04-35.1	Lewis Jensen	309/603	23,424 AC
04-36	William Shriver	185/415	21.4 AC
04-47	Sheila Taylor	316/853	6.07 AC
04-47.1	William Shriver	185/415	8.5 AC
09-01	James Mahoney	277/658	147.93 AC
09-03	Matthew Washington	305/138	39.66 AC
09-04	Zacharia Kelley	312/915	33.59 AC
09-17	Russell Holmes	295/451	27.43 AC
09-19	Roger Scott	280/625	66 AC
09-20	Walter Smartycha	317/89	70.5 AC
09-21	Ray Robinson	178/817	36 AC
09-24	Ray Robinson Jr.	227/662	67.25 AC
09-27	Jeremy Lamp	295/929	0.789 AC

Royalty Owner

A	The Irene Nutter Haymond Trust
B	Gary R. Davis Et Ux
C	Candice Winzeler Nigolian
d	Charles E. Stull Et Ux
E	Myron Haymond Jr. Et Al
F	Mary Lou Dawson
G	Candice Winzeler Nigolian
H	Myron Perkins Et Ux
I	Norman Fleming
J	Ricky McCulloch
K	Emerson McCulloch Et Al
L	L. S. Taggart Et Al
M	Carl W. Ridgway Et Ux
N	Michael A. Teeshman Et Ux
O	Gene P. Bond
P	Frederick Hordesty
Q	H. K. Haymond Et Al

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 PERSIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

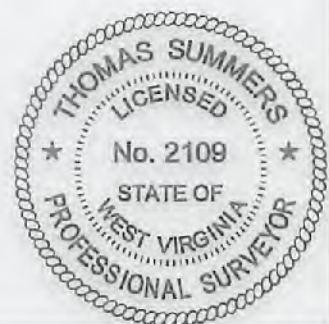


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

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: 14,294,704ft E: 1,665,584ft
BOTTOM HOLE INFORMATION:
 N: 14,287,014ft E: 1,668,240ft

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.



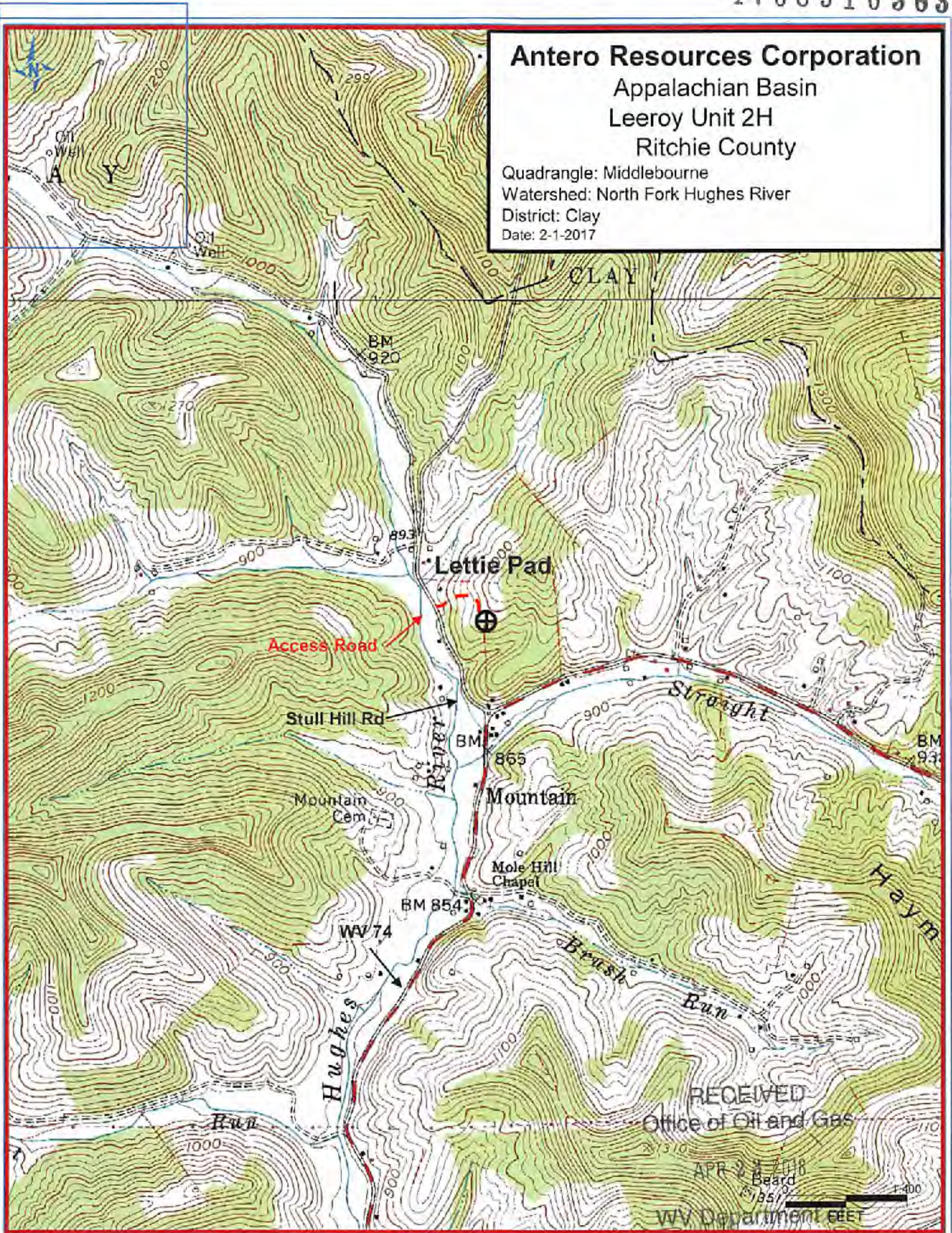
JOB # 17-014WA	LEGEND	REFERENCES	STAKE/NAIL, SET
DRAWING # LEEROY2H	Surface Owner Boundary Lines +/-		
SCALE 1" = 2000'	Interior Surface Tracts +/-		
MINIMUM DEGREE OF ACCURACY SUBMETER	Existing Fence		
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS	Found monument, as noted		
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS	THOMAS SUMMERS P.S. 2109		
	DATE 04/13/18		
	OPERATOR'S WELL# LEEROY UNIT #2H		

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL	47	085	10363
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X	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±;		
CANDICE WINZELER NIGOLIAN; CHARLES E. STULL ET UX; NORMAN FLEMING;	35.89 AC±; 1 AC±; 49.5 AC±		
RICKY McCULLOUGH; L. S. TAGGART ET AL; CARL W. RIDGWAY ET UX; GENE P. BOND	9.92 AC±; 151 AC±; 40 AC±; 70.5 AC±		
PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X			
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL			
(SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG			
TARGET FORMATION MARCELLUS	ESTIMATED DEPTH 6,800' TVD 16,000' MD		
WELL OPERATOR ANTERO RESOURCES CORP.	DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM		
ADDRESS 1615 WYNKOOP ST.	ADDRESS 5400 D BIG TYLER ROAD		
DENVER, CO 80202	CHARLESTON, WV 25313		

06/29/2018

Antero Resources Corporation
Appalachian Basin
Leeroy Unit 2H
Ritchie County

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



RECEIVED
Office of Oil and Gas

APR 24 2018
Beard

WV Department of Environmental Protection

Environmental Protection

06/29/2018