

LATITUDE 39°22'30"

9,986'

LATITUDE 39°25'00"

LONGITUDE 80°52'30"

3,703'

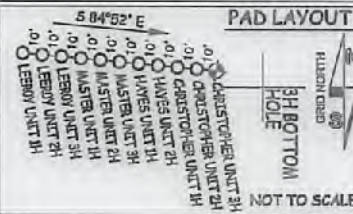
LONGITUDE 80°52'30"

7,852'

Antero Resources Corporation
Well No. Christopher Unit 3H

NOTES:
WELL 3H TOP HOLE INFORMATION:
N: 318,119ft E: 1,601,270ft
LAT: 39°21'53.40" LON: 80°54'37.14"
BOTTOM HOLE INFORMATION:
N: 329,166ft E: 1,600,149ft
LAT: 39°23'42.39" LON: 80°54'53.63"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

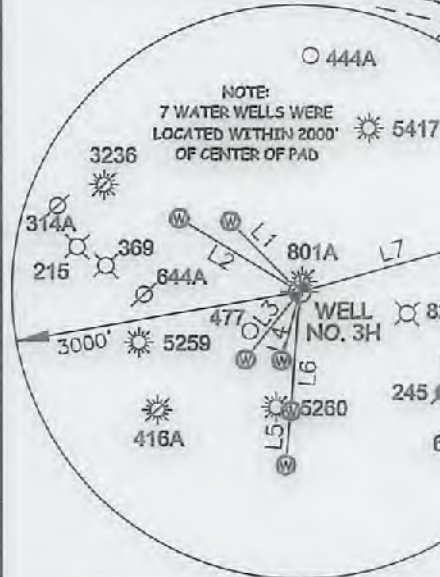
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 3H TOP HOLE INFORMATION:
N: 4,357,276m E: 507,740m
BOTTOM HOLE INFORMATION:
N: 4,360,636m E: 507,343m



TM-Par	Surface Owner	Book/Pg	Acres
Tyler County			
11-06	Mary E. Adkins	255/139	79.7 AC
11-14.1	Mary E. Adkins	255/139	46.29 AC
11-13	Gary A. Barnard	247/586	294.33 AC
11-14	Mary E. Adkins	255/139	81 AC
11-14.6	Mary E. Adkins	255/139	21.39 AC
11-16	Patricia Heintzman	36/549	48.13 AC
11-21	Patricia Heintzman	36/549	33.88 AC
11-22	Patricia Heintzman	36/549	149.5 AC
11-20	Patricia Heintzman	36/547	80.8 AC
11-19	Patricia Heintzman	36/549	10 AC
Ritchie County			
03-06	Cliff W. Perkins Et Al	289/1020	24.1 AC
03-07	Deniel Haymond IV	334/356	168 AC
03-10	David Weekly Rev. Trust	265/204	203.88 AC
04-01	Deniel M. Haymond III Et Al	22/305	13 AC
04-02	Deniel M. Haymond III Et Al	22/305	16.25 AC
04-05	Christopher Haymond Et Al	334/343	15 AC
04-06	Adolphe D. Werner	48/560	15.5 AC
04-07	Deniel M. Haymond III Et Al	22/305	12 AC
04-08	Deniel M. Haymond III Et Al	22/305	11.76 AC
04-08.1	Deniel M. Haymond III Et Al	22/305	10 AC
04-09	Christin Haymond	346/484	11.48 AC
04-10	Abel L. Martin Et Al	242/729	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
04-12	Alfred James	300/480	48.47 AC
04-13	Antero Resources Corp.	341/928	1.25 AC
04-13.1	Trustees Mountain Comm. Bldg.	124/659	1 AC
04-14	Jacob Cox	340/525	5.747 AC
04-14.3	Rocky 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 Fress	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	0.705 AC
04-27	Perkins Oil & Gas Inc.	308/653	29.589 AC
04-27.1	Perkins Oil & Gas Inc.	308/653	0.79 AC
04-30.1	James Lutzner	219/107	60 AC

LINE	BEARING	DIST.
L1	N 44°29' W	1030.7'
L2	N 58°42' W	1467.2'
L3	S 36°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'

WV NORTH ZONE GRID NORTH



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.

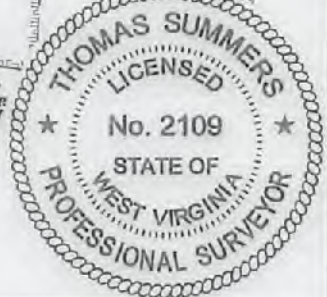


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

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

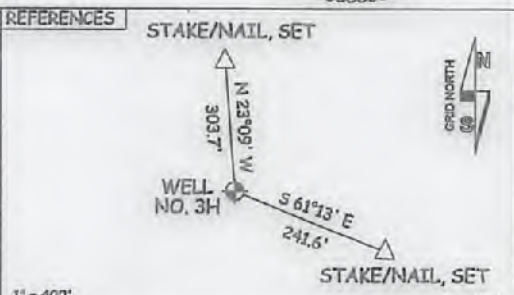
(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 3H TOP HOLE INFORMATION:
N: 14,294,704ft E: 1,665,764ft
POINT OF ENTRY INFORMATION:
N: 14,295,651ft E: 1,668,102ft
BOTTOM HOLE INFORMATION:
N: 14,305,806ft E: 1,664,459ft

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 # 17-017WA
DRAWING # CHRISTOPHER3H
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

LEGEND
--- Surface Owner Boundary Lines +/-
--- Interior Surface Tracts +/-
X Existing Fence
Found monument, as noted
THOMAS SUMMERS P.S. 2109
DATE 04/13/18
OPERATOR'S WELL # CHRISTOPHER UNIT #3H



WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 085 -10359
(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 IRENE NUTTER HAYMOND TRUST; PERKINS OIL & GAS CO.; WILSON HOSKINS ET UX; ROSEANN DOAK; GENE L. HOSKINS ET UX; PATRICIA A. HEINTZMAN; PATRICIA A. HEINTZMAN; FRANK GRASS ET AL; ROBERT BRUCE FERRELL LEASE ACREAGE 375 AC±; 94 AC±; 120 AC±; 15,963 AC±; 87 AC±; 60 AC±; 149.5 AC±; 431.29 AC±; 29.12 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 20,600' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
ADDRESS 1615 WYKHOOP ST. ADDRESS 5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25313

06/29/2018

Antero Resources Corporation
Appalachian Basin
Christopher Unit 3H
Ritchie County

RECEIVED
Office of Oil and Gas
Quadrangle: Middlebourne
Watershed: North Fork Hughes River
District: Clay
Date: 2-1-2017

APR 23 2018
WV Department of
Environmental Protection

