

LATITUDE 39°22'30"

9,996'

LATITUDE 39°25'00"

LONGITUDE 80°55'00"

3,703'

LONGITUDE 80°52'30"

8,052'

2H BOTTOM HOLE

Antero Resources Corporation Well No. Christopher Unit 2H

NOTES: WELL 2H TOP HOLE INFORMATION: N: 318,120ft E: 1,601,260ft LAT: 39°21'53.41" LON: 80°54'37.27" BOTTOM HOLE INFORMATION: N: 328,976ft E: 1,599,514ft LAT: 39°23'40.42" LON: 80°55'01.68" 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 2H TOP HOLE INFORMATION: N: 4,357,277m E: 507,737m BOTTOM HOLE INFORMATION: N: 4,360,575m E: 507,150m

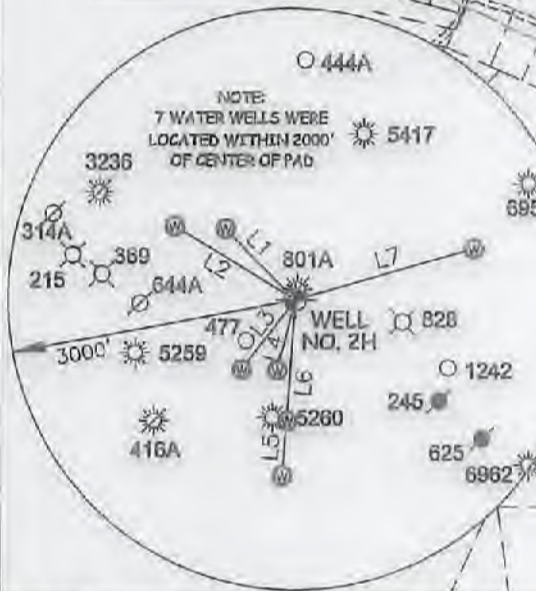


Table with columns: Tract No., Surface Owner, Book/Pg, Acreage. Lists various land parcels and owners in Tyler and Ritchie Counties.

Table with columns: LINE, BEARING, DIST. Lists line bearings and distances for various points.

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.

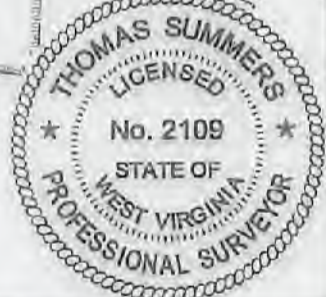


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

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

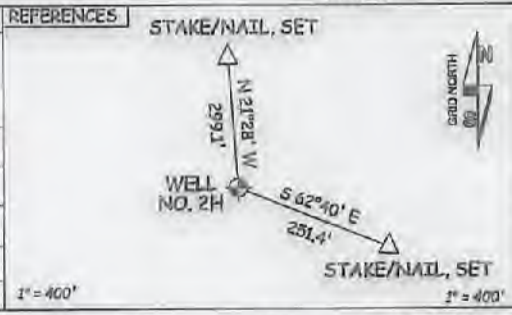
(NAD) 27 (UTM) ZONE 17 COORDS: WELL 2H TOP HOLE INFORMATION: N: 14,294,785ft E: 1,665,754ft POINT OF ENTRY INFORMATION: N: 14,295,461ft E: 1,667,496ft BOTTOM HOLE INFORMATION: N: 14,305,606ft E: 1,663,928ft

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 # CHRISTOPHER2H 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 +/- Existing Fence Found monument, as noted THOMAS SUMMERS P.S., 2109 DATE 04/13/18 OPERATOR'S WELL# CHRISTOPHER UNIT #2H



WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 - 085 - 10358 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT LOCATION: ELEVATION 974' - ORIGINAL 970' PROPOSED WATERSHED NORTH FORK HUGHES RIVER QUADRANGLE PENNSBORO 7.6 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; LEASE ACREAGE 375 AC +/- 94 AC +/- 120 AC +/- ROSEANN DOAK; DANIEL M. HAYMOND ET UX; GENE HOSKINS ET UX; 15,963 AC +/- 375 AC +/- 87 AC +/- PATRICIA A. HEINTZMAN; PATRICIA A. HEINTZMAN; PATRICIA L. McCULLOUGH; FRANK GRASS ET AL 60 AC +/- 149.5 AC +/- 50.54 AC +/- 431.29 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 20,000' MD WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM ADDRESS 1615 WYNNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD DENVER, CO 80202 CHARLESTON, WV 25313

Antero Resources Corporation

Appalachian Basin

Christopher Unit 2H

Ritchie County

RECEIVED

Office of Oil and Gas

Quadrangle: Middlebourne

Watershed: North Fork Hughes River

APR 23 2018

District: Clay

Date: 2-1-2017

WV Department of Environmental Protection

