

LATITUDE 39°22'30" 2,033'

LATITUDE 39°22'30"

LONGITUDE 80°52'30"

LONGITUDE 80°55'00"

11,821' TO BOTTOM HOLE

10,866' TO BOTTOM HOLE

Antero Resources Corporation Well No. Cinqmars Unit 3H

NOTES: WELL 3H TOP HOLE INFORMATION: N: 320,640ft E: 1,597,482ft LAT: 39°22'17.71" LON: 80°55'25.89" BOTTOM HOLE INFORMATION: N: 310,016ft E: 1,600,265ft LAT: 39°20'33.16" LON: 80°54'48.31" 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: 4,358,025m E: 506,573m BOTTOM HOLE INFORMATION: N: 4,354,803m E: 507,475m

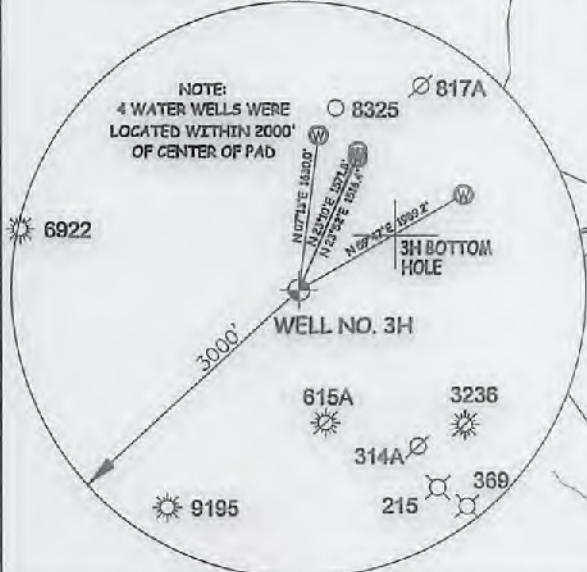
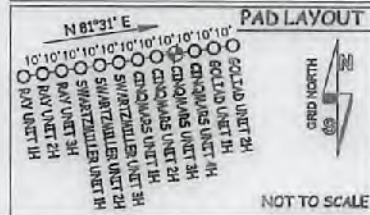


Table with 4 columns: TM-Par, Surface Owner, Book/Pg, Acreage. Lists various land parcels and owners.

Table with 2 columns: Royalty Owner, Name. Lists royalty owners for different sections of the well pad.

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.

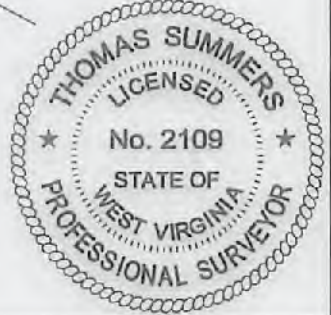


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

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

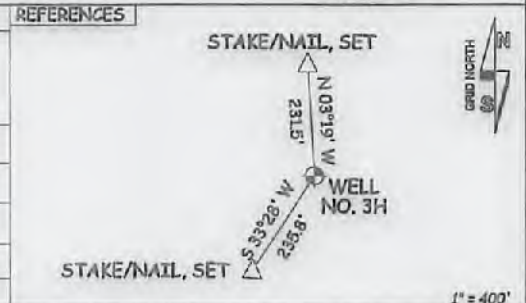
(NAD) 27 (UTM) ZONE 17 COORDS: WELL 3H TOP HOLE INFORMATION: N: 14,297,240ft E: 1,661,935ft POINT OF ENTRY INFORMATION: N: 14,296,920ft E: 1,661,319ft BOTTOM HOLE INFORMATION: N: 14,286,668ft E: 1,664,895ft

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.



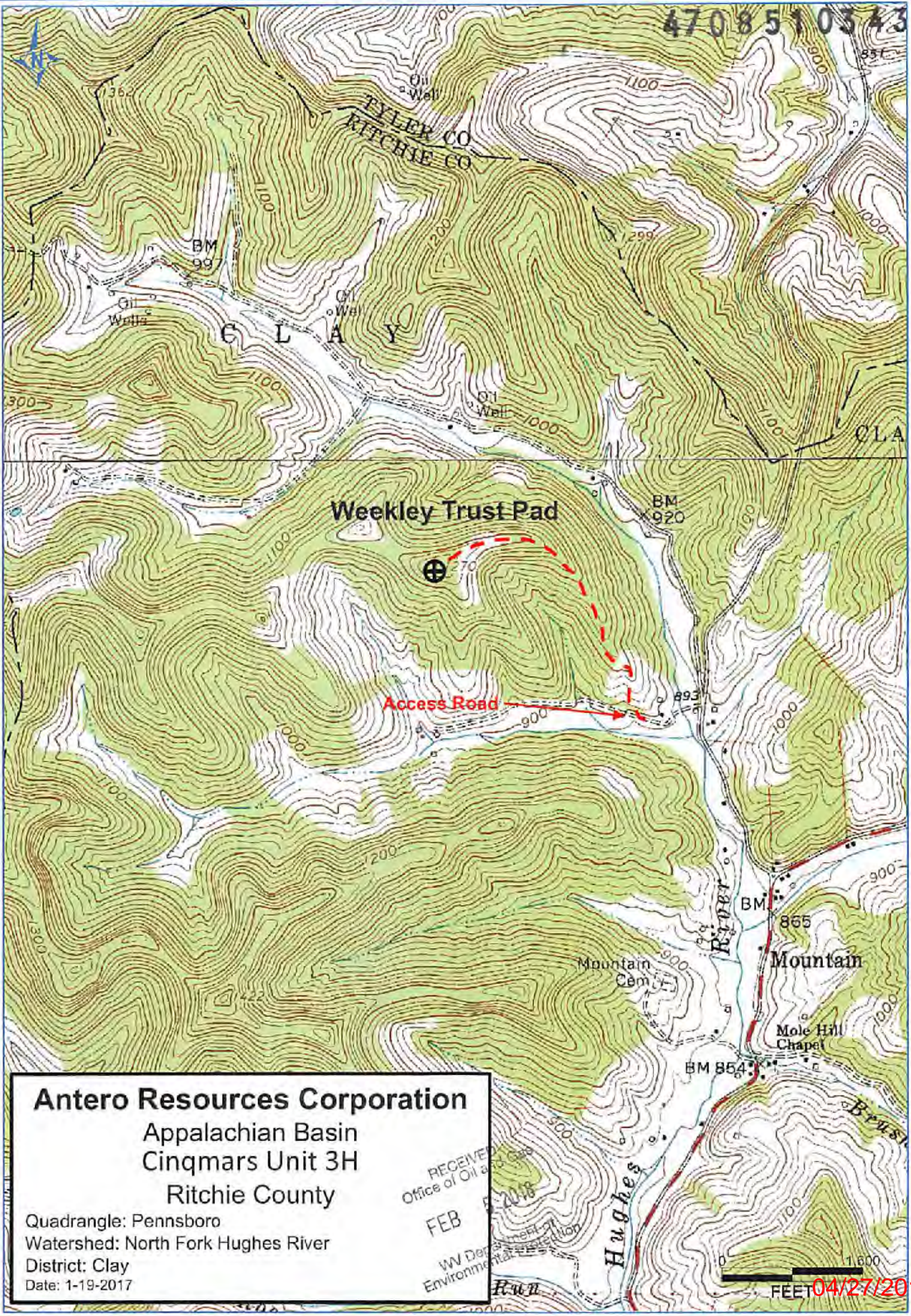
JOB # 17-045WA DRAWING # CINQMARS 3H SCALE 1" = 2000' MINIMUM DEGREE OF ACCURACY SUBMETER PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

LEGEND: Surface Owner Boundary Lines +/-, Interior Surface Tracts +/-, Existing Fence, Found monument, as noted. THOMAS SUMMERS P.S. 2109 DATE 01/25/18 OPERATOR'S WELL# CINQMARS UNIT #3H



Form with fields for WELL TYPE, LOCATION, SURFACE OWNER, OIL & GAS ROYALTY OWNER, PROPOSED WORK, TARGET FORMATION, WELL OPERATOR, ADDRESS, etc.

4708510343



Antero Resources Corporation
 Appalachian Basin
 Cinqmars Unit 3H
 Ritchie County

Quadrangle: Pennsboro
 Watershed: North Fork Hughes River
 District: Clay
 Date: 1-19-2017

RECEIVED
 Office of Oil and Gas
 FEB 2018
 WV Department of Environmental Protection



04/27/2018