

LATITUDE 39°22'30" 2,023'

LATITUDE 39°22'30"

LONGITUDE 80°52'30"

LONGITUDE 80°55'00"

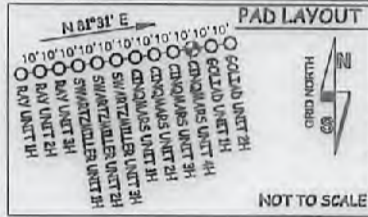
10,736' TO BOTTOM HOLE

10,544' TO BOTTOM HOLE

Antero Resources Corporation Well No. Cinquars Unit 4H

NOTES: WELL 4H TOP HOLE INFORMATION: N: 320,641ft E: 1,597,491ft LAT: 39°22'17.73" LON: 80°55'25.76" BOTTOM HOLE INFORMATION: N: 311,135ft E: 1,600,592ft LAT: 39°20'44.26" LON: 80°54'44.38" 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.

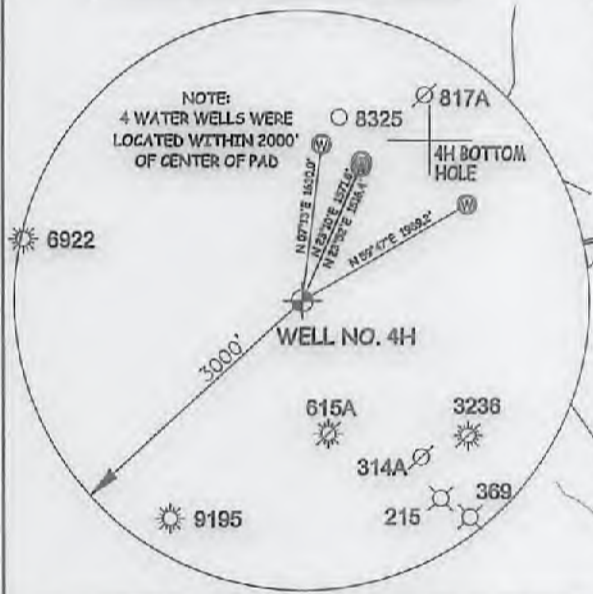
(NAD) 83 (UTM) ZONE 17 COORDS: WELL 4H TOP HOLE INFORMATION: N: 4,358,025m E: 506,576m BOTTOM HOLE INFORMATION: N: 4,355,145m E: 507,569m



WV NORTH ZONE GRID NORTH

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

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



(NAD) 27 (UTM) ZONE 17 COORDS: WELL 4H TOP HOLE INFORMATION: N: 14,297,241ft E: 1,661,945ft POINT OF ENTRY INFORMATION: N: 14,297,167ft E: 1,661,937ft BOTTOM HOLE INFORMATION: N: 14,287,791ft E: 1,665,202ft

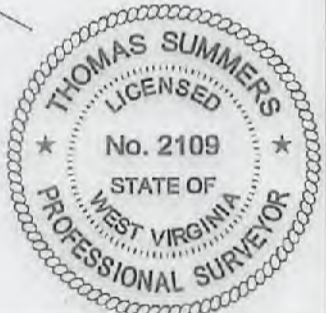
NOTE: NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

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.



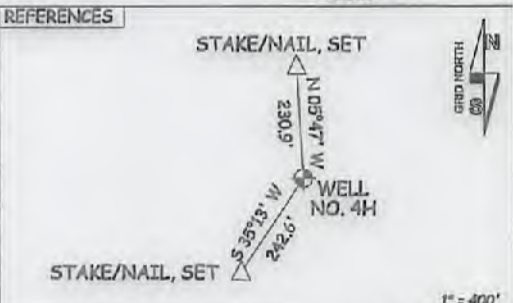
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

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



JOB # 17-045WA DRAWING # CINQMARS 4H 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

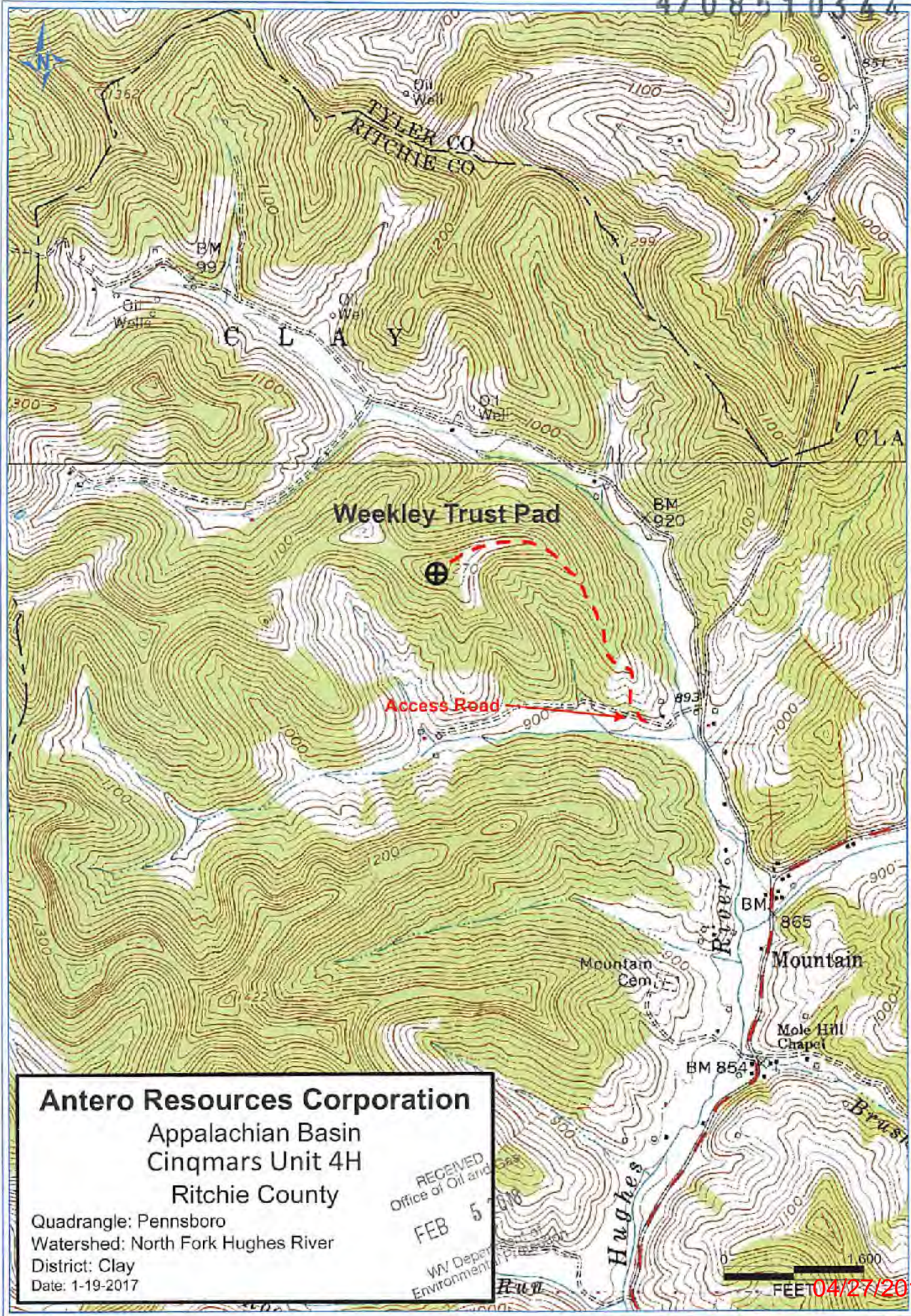
LEGEND: Surface Owner Boundary Lines +/-, Interior Surface Tracts +/-, Existing Fence, Found monument, as noted. Includes signature of Thomas Summers and date 01/26/18.



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

04/27/2018

COUNTY NAME PERMIT



Antero Resources Corporation
 Appalachian Basin
 Cinqmars Unit 4H
 Ritchie County

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

RECEIVED
 Office of Oil and Gas
 FEB 5 2018
 WV Dept
 Environment

0 1,600
 FEET 04/27/2018