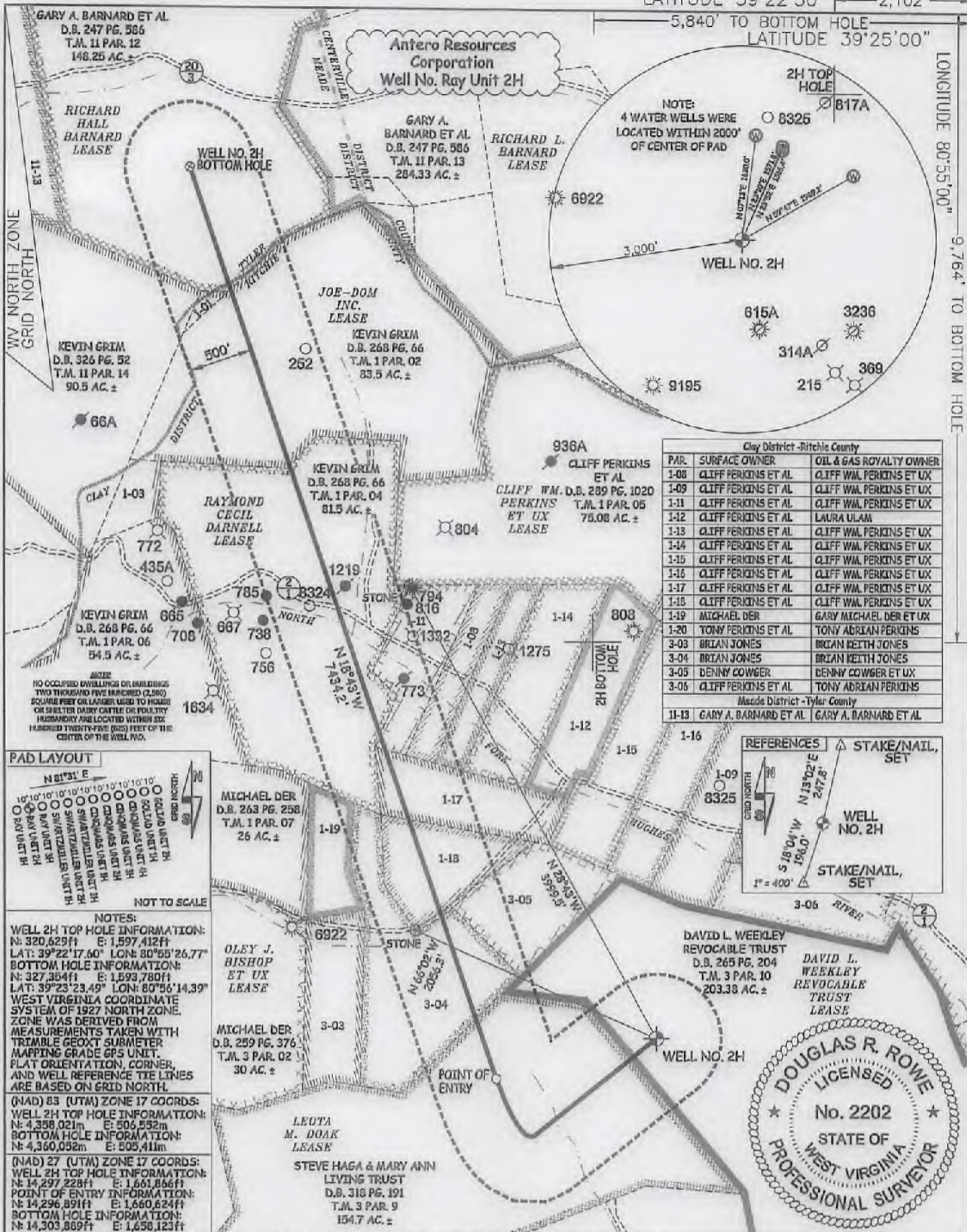


LATITUDE 39°22'30" 2,102'

5,840' TO BOTTOM HOLE
LATITUDE 39°25'00"

LONGITUDE 80°55'00" 9,764' TO BOTTOM HOLE

LONGITUDE 80°55'00"



NOTES:
WELL 2H TOP HOLE INFORMATION:
N: 320,629ft E: 1,597,412ft
LAT: 39°22'17.60" LON: 80°55'26.77"
BOTTOM HOLE INFORMATION:
N: 327,354ft E: 1,593,780ft
LAT: 39°23'23.49" LON: 80°56'14.39"
WEST VIRGINIA COORDINATE
SYSTEM OF 1927 NORTH ZONE.
ZONE WAS DERIVED FROM
MEASUREMENTS TAKEN WITH
TRIMBLE GEOXT SUBMETER
MAPPING GRADE GPS UNIT.
FLAT ORIENTATION, CORNER,
AND WELL REFERENCE TIE LINES
ARE BASED ON GRID NORTH.

(NAD 83 (UTM) ZONE 17 COORDS:
WELL 2H TOP HOLE INFORMATION:
N: 4,358,021m E: 505,552m
BOTTOM HOLE INFORMATION:
N: 4,360,052m E: 505,411m

(NAD 27 (UTM) ZONE 17 COORDS:
WELL 2H TOP HOLE INFORMATION:
N: 14,297,228ft E: 1,661,866ft
POINT OF ENTRY INFORMATION:
N: 14,296,891ft E: 1,660,624ft
BOTTOM HOLE INFORMATION:
N: 14,303,869ft E: 1,658,123ft

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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

LEGEND

--- Surface Owner Boundary Lines +/-
--- Interior Surface Tracts +/-
--- Existing Fence
--- Found monument, as noted

DOUGLAS R. ROWE P.S. 2202

DATE 02/01/18

OPERATOR'S WELL# RAY UNIT #2H

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1,265' - ORIGINAL 1,235' PROPOSED WATERSHED NORTH FORK HUGHES RIVER

QUADRANGLE PENNSBORO 7.5' - TH MIDDLEBOURNE 7.5' - BH DISTRICT CLAY COUNTY RITCHIE

SURFACE OWNER DAVID L. WEEKLEY REVOCABLE TRUST ACREAGE 203.38 ACRES +/-

OIL & GAS ROYALTY OWNER DAVID L. WEEKLEY REVOCABLE TRUST; LEOTA M. DOAK; LEASE ACREAGE 229 AC±; 126.5 AC±;
BRIAN KEITH JONES; CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; 31 AC±; 13 AC±; 13.5 AC±; 13 AC±;
RAYMOND CECIL DARNELL; JOE-DOM INC.; RICHARD HALL BARNARD 81.5 AC±; 380 AC±; 148.252 AC±

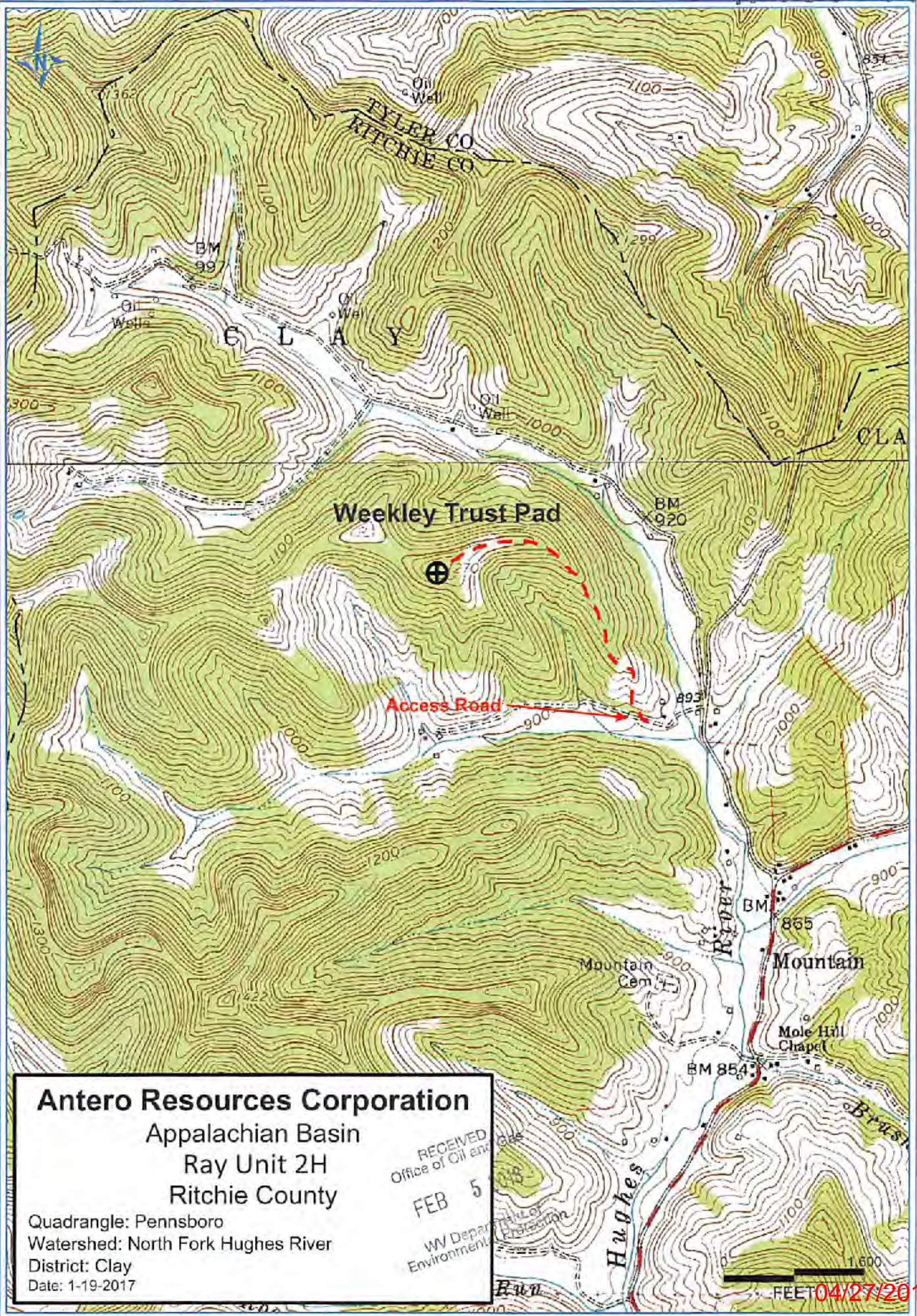
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL
(SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG

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
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

04/27/2018

COUNTY NAME PERMIT



Antero Resources Corporation
 Appalachian Basin
 Ray Unit 2H
 Ritchie County

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

RECEIVED
 Office of Oil and Gas
 FEB 5
 WV Department of Environmental Protection

0 1,600
 FEET 04/27/2018