

LATITUDE 39°22'30" 2,082'

4,578' TO BOTTOM HOLE, LATITUDE 39°25'00"

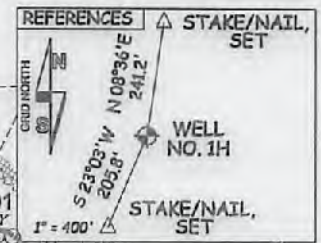
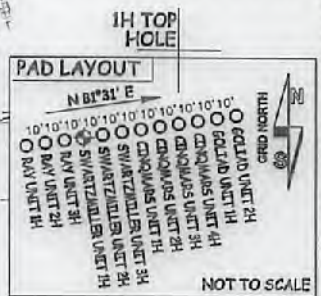
LONGITUDE 80°55'00" 9,361' TO BOTTOM HOLE
LONGITUDE 80°55'00"

Antero Resources Corporation
Well No. Swartzmiller Unit 1H

NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 320,632ft E: 1,597,432ft
 LAT: 39°22'17.63" LON: 80°55'26.52"
 BOTTOM HOLE INFORMATION:
 N: 327,738ft E: 1,595,048ft
 LAT: 39°23'27.48" LON: 80°55'58.31"
 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.

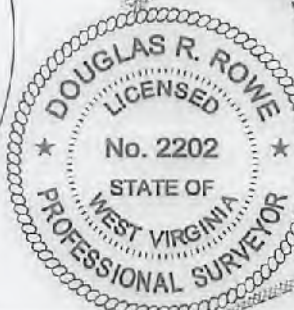
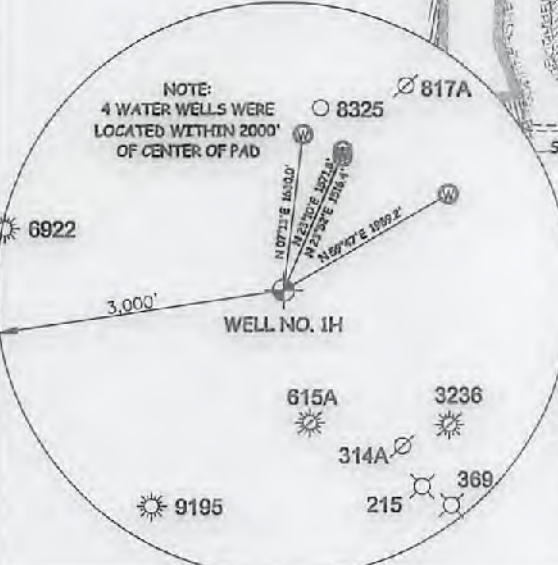
(NAD) 83 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 4,358,022m E: 505,558m
 BOTTOM HOLE INFORMATION:
 N: 4,360,175m E: 505,795m

(NAD) 27 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 14,297,231ft E: 1,661,886ft
 POINT OF ENTRY INFORMATION:
 N: 14,297,317ft E: 1,661,877ft
 BOTTOM HOLE INFORMATION:
 N: 14,304,294ft E: 1,659,384ft



Clay District - Ritchie County

PAR.	SURFACE OWNER	OIL & GAS ROYALTY OWNER
1-08	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-09	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-11	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-12	CLIFF PERKINS ET AL	LAURA ULAM
1-13	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-14	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-15	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-16	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-17	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-18	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-19	MICHAEL DER	GARY MICHAEL DER ET UX
1-20	TONY PERKINS ET AL	TONY ADRIAN PERKINS
3-03	BRIAN JONES	BRIAN KEITH JONES
3-04	BRIAN JONES	BRIAN KEITH JONES
3-05	DENNY COWGER	DENNY COWGER ET UX
3-06	CLIFF PERKINS ET AL	TONY ADRIAN PERKINS



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 # 17-041WA
 DRAWING # SWARTMILLER1HR
 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

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.

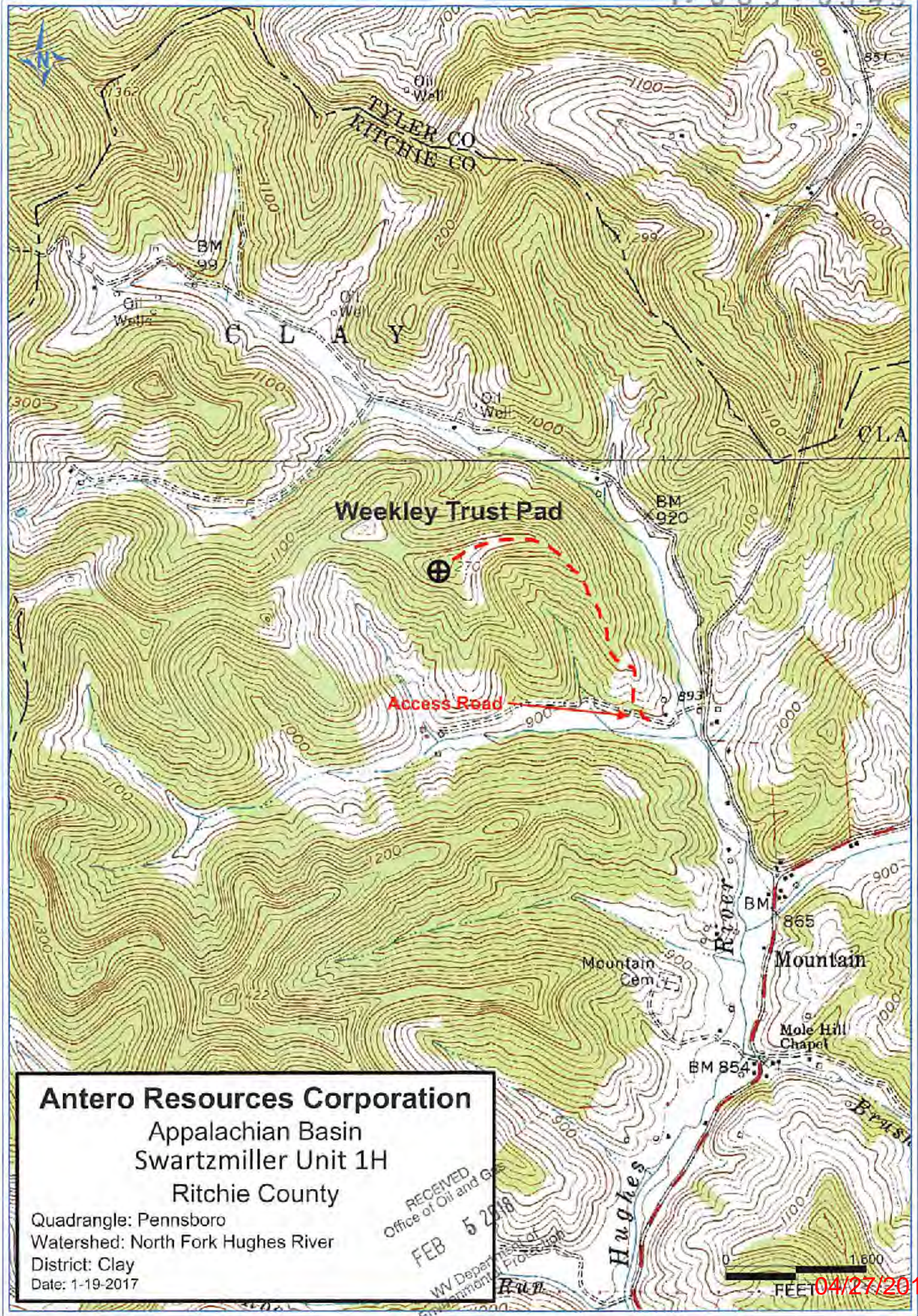


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

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# SWARTZMILLER UNIT 1H

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 085 - 10349
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X STATE COUNTY PERMIT
 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; DENNY COWGER ET UX; LEASE ACREAGE 229 AC±; 15.17 AC±;
 CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; LAURA ULAM; CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; 17 AC±; 10.5 AC±; 16.5 AC±; 16 AC±; 8.25 AC±;
 CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; JOE-DOM INC.; ROBERT A. DAVIS ET UX 8.5 AC±; 75.08 AC±; 380 AC±; 284.33 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 17,300' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313

04/27/2018



Antero Resources Corporation
 Appalachian Basin
 Swartzmiller Unit 1H
 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 Department of Environment

0 1,600
 FEET 04/27/2018