

LATITUDE 39°12'30"

6,880'

LATITUDE 39°12'30" 5,824' TO BOTTOM HOLE

Antero Resources Corporation Well No. Twig 2H

Union District - Ritchie County	
15-5	Larry Gander
21-3	Dallas Smith Et Al
21-4	Larry Gander
21-5	James Beck Et Al
21-6	WF Smith
21-6.1	Lois Gander
21-7	Elmer Pierce
21-7.1	Larry Gander
21-7.2	Larry Gander
21-8.4	Brian Vansant
21-10	James Beck
21-10.1	Harvey Shepler
21-10.2	James Beck
Southwest District - Doddridge County	
8-5	Larry Gander
12-1	David Ball

NOTES:
 WELL 2H TOP HOLE INFORMATION:
 N: 247,754ft E: 1,615,114ft
 LAT: 39°10'20.09" LON: 80°51'27.36"
 BOTTOM HOLE INFORMATION:
 N: 248,311ft E: 1,616,178ft
 LAT: 39°10'25.75" LON: 80°51'13.95"
 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: 4,335,910m E: 512,316m
 BOTTOM HOLE INFORMATION:
 N: 4,336,085m E: 512,637m

(NAD) 27 (UTM) ZONE 17 COORDS:
 WELL 2H TOP HOLE INFORMATION:
 N: 14,224,685ft E: 1,680,775ft
 POINT OF ENTRY INFORMATION:
 N: 14,224,873ft E: 1,681,989ft
 BOTTOM HOLE INFORMATION:
 N: 14,225,259ft E: 1,681,829ft

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.

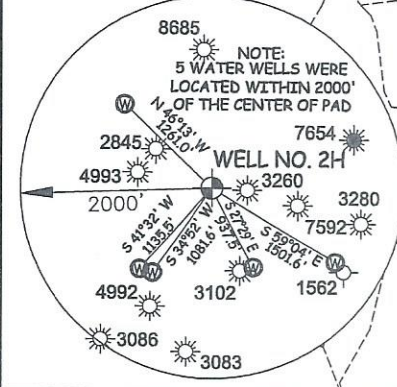
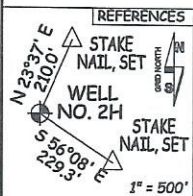
WV NORTH ZONE GRID NORTH

12,571' TO BOTTOM HOLE

13,144'

LONGITUDE 80°50'00"

LONGITUDE 80°50'00"



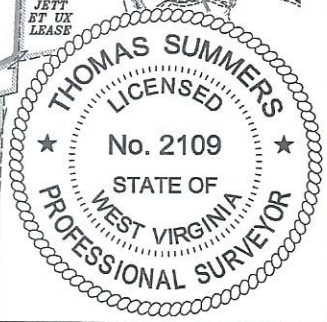
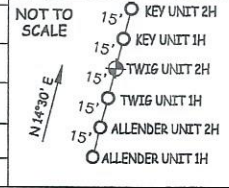
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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 # 21-015WA
 DRAWING # TWIG2HSR
 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

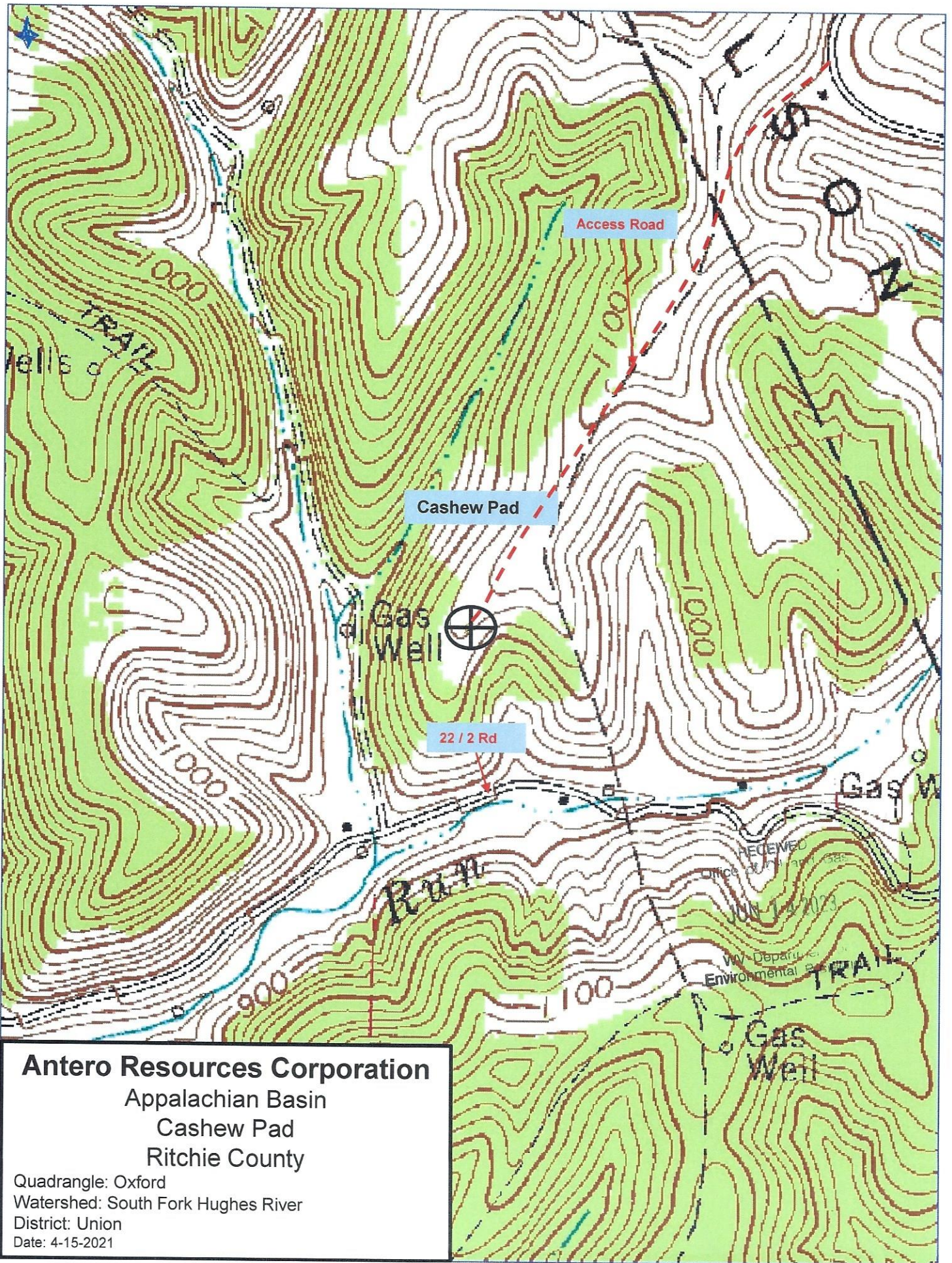
LEGEND
 — Surface Owner Boundary Lines +/-
 - - - Adjoining Surface Tracts +/-
 ⊕ Found monument, as noted
 THOMAS SUMMERS P.S. 2109
 DATE 06/07/23
 OPERATOR'S WELL# TWIG 2H



WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 085 - 10499
 (IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW STATE COUNTY PERMIT
 LOCATION: ELEVATION 1,019' -AS-BUILT WATERSHED SOUTH FORK HUGHES RIVER
 QUADRANGLE OXFORD 7.5' DISTRICT UNION COUNTY RITCHIE
 SURFACE OWNER ELMER W. PIERCE ACREAGE 67.78 ACRES +/- 07/21/2023
 OIL & GAS ROYALTY OWNER R. F. KIESTER ET AL; RALPH JETT ET UX; LEASE ACREAGE 70 AC ±; 148 AC ±;
 B. GUY WHITEHAIR ET UX 50 AC ±

PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
 (SPECIFY) ___ PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,900' TVD 9,900' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT KEVIN ELLIS
 ADDRESS 1615 WYNKOOP ST. ADDRESS 535 WHITE OAK BLVD.
 DENVER, CO 80202 BRIDGEPORT, WV 26330

COUNTY NAME PERMIT



Antero Resources Corporation

Appalachian Basin

Cashew Pad

Ritchie County

Quadrangle: Oxford

Watershed: South Fork Hughes River

District: Union

Date: 4-15-2021

07/21/2023