

LATITUDE 39°20'00"

8,007'

6,291' TO BOTTOM HOLE

LATITUDE 39°17'30"

LONGITUDE 81°00'00"

8,686'

LONGITUDE 81°00'00"

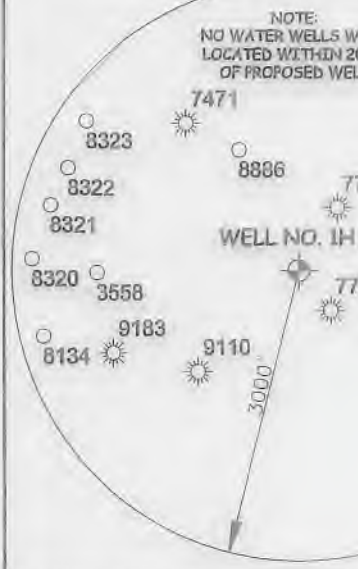
01/11/2019

# Antero Resources Corporation Well No. Hayhurst Unit 1H

**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.

(NAD) 27 (UTM) ZONE 17 COORDS:  
WELL 1H TOP HOLE INFORMATION:  
N: 14,274,621ft E: 1,632,412ft  
POINT OF ENTRY INFORMATION:  
N: 14,274,010ft E: 1,630,976ft  
BOTTOM HOLE INFORMATION:  
N: 14,264,888ft E: 1,634,127ft

NORTH ZONE  
GRID NORTH  
W

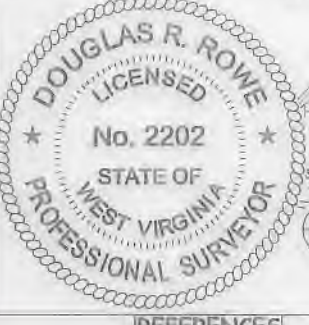


**NOTE:**  
NO WATER WELLS WERE LOCATED WITHIN 2000' OF PROPOSED WELL.

**NOTES:**  
WELL 1H TOP HOLE INFORMATION:  
N: 298,509ft E: 1,567,574ft  
LAT: 39°18'34.15" LON: 81°01'41.88"  
BOTTOM HOLE INFORMATION:  
N: 288,746ft E: 1,569,128ft  
LAT: 39°16'57.92" LON: 81°01'20.01"  
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH 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: 4,351,131m E: 497,575m  
BOTTOM HOLE INFORMATION:  
N: 4,348,164m E: 498,098m

JOB # 17-018WA  
DRAWING # HAYHURST1HR2  
SCALE 1" = 1000'  
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



DOUGLAS R. ROWE P.S. 2202  
DATE 09/25/18  
OPERATOR'S WELL# HAYHURST UNIT #1H  
API WELL # 47 085 10376  
STATE COUNTY PERMIT



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.



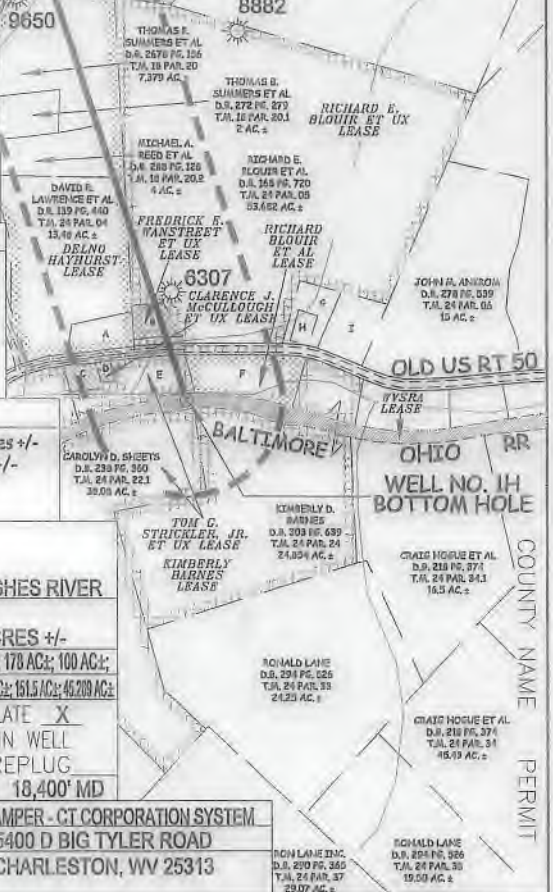
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WILLOW LAND SURVEYING PLLC  
220 MASONIC AVENUE PENNSBORO WEST VIRGINIA 26415

NOT TO SCALE N 28°38' E PAD LAYOUT



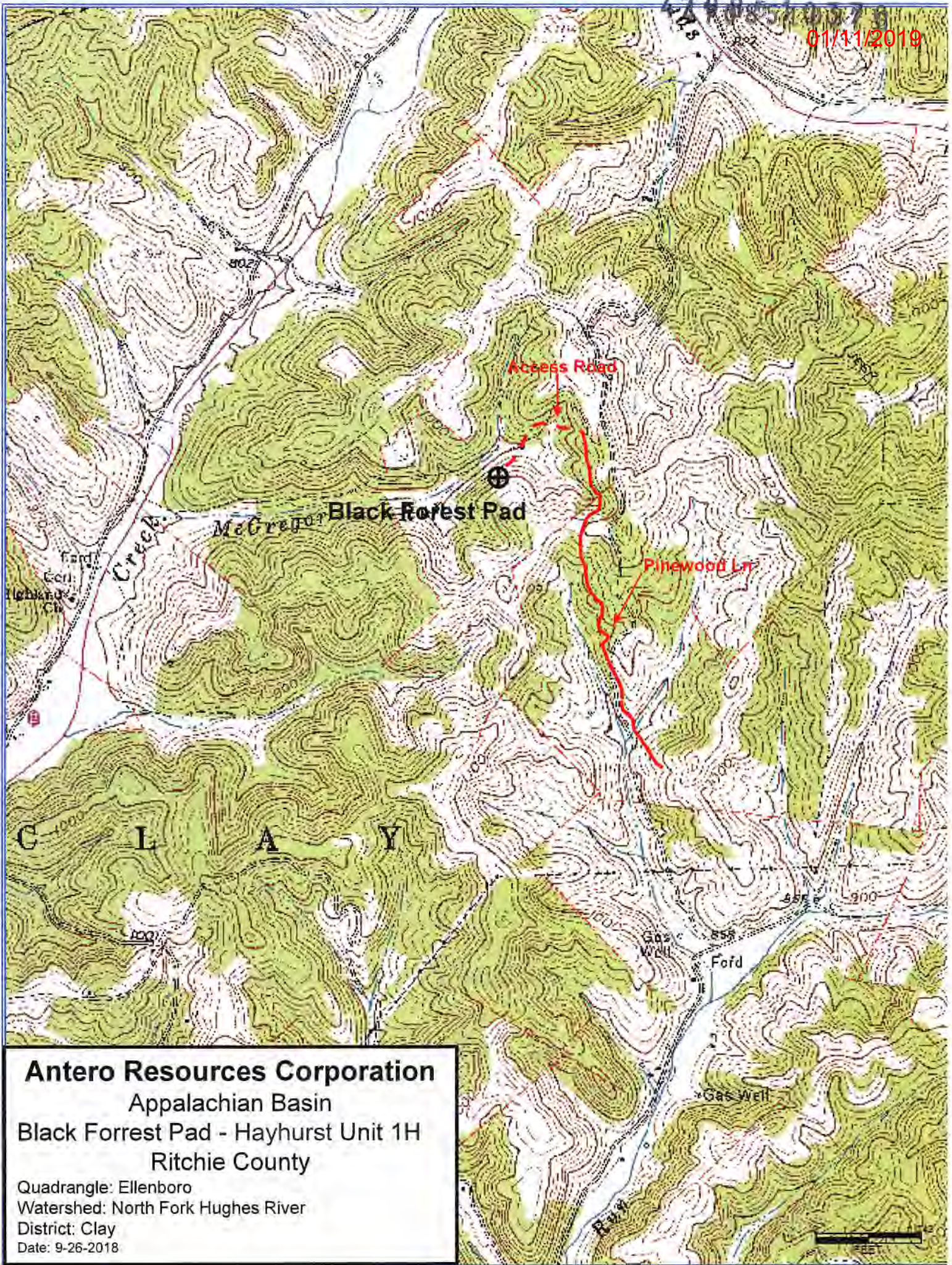
WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL  
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X  
LOCATION: ELEVATION 1,083' AS BUILT WATERSHED NORTH FORK HUGHES RIVER  
QUADRANGLE ELLENBORO 7.5 DISTRICT CLAY COUNTY RITCHIE  
SURFACE OWNER MICHAEL GAIL UNDERWOOD ET AL ACREAGE 6 ACRES +/-  
OIL & GAS ROYALTY OWNER RONNIE L. UNDERWOOD ET AL; KATHRYN A. STEWART; C.B. MORRIS & S.A. SMITH IRREVOCABLE TRUST; LEASE ACREAGE 180.52 AC.; 178 AC.; 100 AC.;  
FREDRICK R. HAYHURST ET AL; DELNO HAYHURST; RICHARD E. BLOUIN ET UX; FREDRICK E. WAINSTREET ET UX; TOM G. STRICKLER, JR. ET UX; WISRA 182.10 AC.; 312 AC.; 51.00 AC.; 0.02 AC.; 151.5 AC.; 45,709 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 6,700' TVD 18,400' MD  
WELL OPERATOR ANTERO RESOURCES CORPORATION DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM  
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

REFERENCES 1" = 200'  
STAKE/ NAIL SET  
STAKE/ NAIL SET  
LEGEND  
Surface Owner Boundary Lines +/-  
Interior Surface Tracts +/-  
Existing Fence  
Rebar, Found



COUNTY NAME PERMIT

479851077  
01/11/2019



**Antero Resources Corporation**  
Appalachian Basin  
Black Forrest Pad - Hayhurst Unit 1H  
Ritchie County

Quadrangle: Ellenboro  
Watershed: North Fork Hughes River  
District: Clay  
Date: 9-26-2018

