

LATITUDE 39°15'00" 1,308'

9,269' TO BOTTOM HOLE  
LATITUDE 39°15'00"

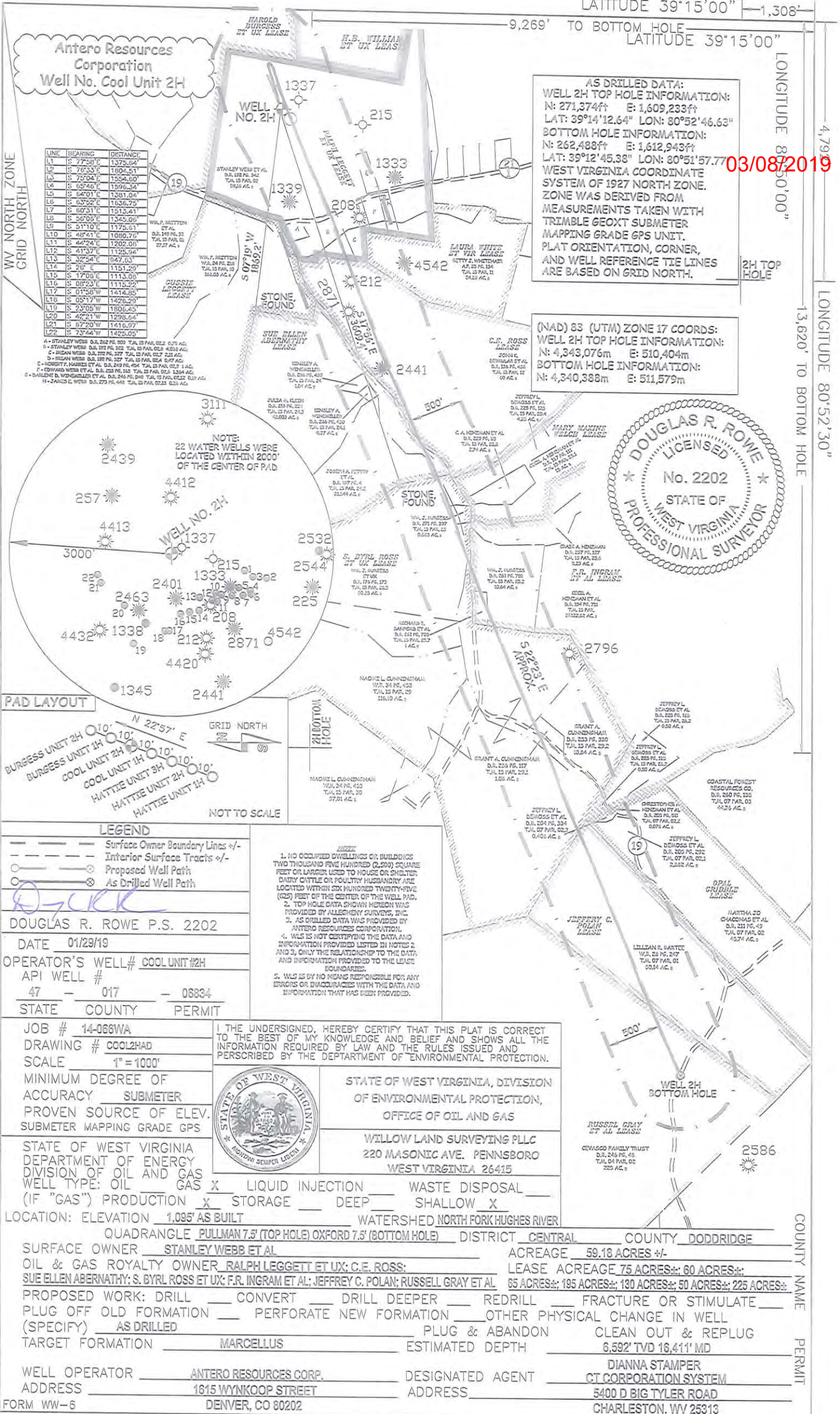
LONGITUDE 80°50'00"

4,792'

LONGITUDE 80°52'30"

13,620' TO BOTTOM HOLE

03/08/2019



Antero Resources Corporation  
Well No. Cool Unit 2H

AS DRILLED DATA:  
 WELL 2H TOP HOLE INFORMATION:  
 N: 271,374ft E: 1,609,233ft  
 LAT: 39°14'12.64" LON: 80°52'46.63"  
 BOTTOM HOLE INFORMATION:  
 N: 262,488ft E: 1,612,943ft  
 LAT: 39°12'45.38" LON: 80°51'57.77"  
 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.

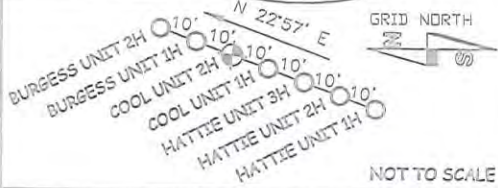
(NAD) 83 (UTM) ZONE 17 COORDS:  
 WELL 2H TOP HOLE INFORMATION:  
 N: 4,343,076m E: 510,404m  
 BOTTOM HOLE INFORMATION:  
 N: 4,340,388m E: 511,579m



LINE	BEARING	DISTANCE
L1	S 77°50'E	1375.04'
L2	S 76°53'E	1104.51'
L3	S 75°04'E	1556.00'
L4	S 65°46'E	1506.34'
L5	S 64°01'E	1361.04'
L6	S 63°52'E	1636.75'
L7	S 60°31'E	1513.41'
L8	S 56°00'E	1345.00'
L9	S 51°10'E	1175.01'
L10	S 46°41'E	1080.70'
L11	S 44°24'E	1262.00'
L12	S 41°37'E	1125.04'
L13	S 32°54'E	947.03'
L14	S 26° E	1151.20'
L15	S 17°00'E	1113.00'
L16	S 08°37'E	1113.22'
L17	S 01°58'W	1414.40'
L18	S 03°17'W	1420.20'
L19	S 23°05'W	1100.43'
L20	S 42°21'W	1208.04'
L21	S 67°20'W	1410.97'
L22	S 73°44'W	1425.00'

NOTE:  
 22 WATER WELLS WERE LOCATED WITHIN 2000' OF THE CENTER OF PAD

PAD LAYOUT



LEGEND

- Surface Owner Boundary Lines +/-
- - - Interior Surface Tracts +/-
- Proposed Well Path
- ⊙ As Drilled Well Path

DOUGLAS R. ROWE P.S. 2202  
 DATE 01/29/19  
 OPERATOR'S WELL# COOL UNIT #2H  
 API WELL # 47 - 017 - 08834  
 STATE COUNTY PERMIT

1. 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.  
 2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.  
 3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.  
 4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASEE BOUNDARIES.  
 5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

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

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS  
 WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL  
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X  
 LOCATION: ELEVATION 1,095' AS BUILT WATERSHED NORTH FORK HUGHES RIVER

QUADRANGLE PULLMAN 7.5' (TOP HOLE) OXFORD 7.5' (BOTTOM HOLE) DISTRICT CENTRAL COUNTY DODDRIDGE  
 SURFACE OWNER STANLEY WEBB ET AL ACREAGE 59.18 ACRES +/-  
 OIL & GAS ROYALTY OWNER RALPH LEGGETT ET UX; C.E. ROSS; LEASE ACREAGE 75 ACRES +/-; 60 ACRES +/-; 65 ACRES +/-; 195 ACRES +/-; 130 ACRES +/-; 50 ACRES +/-; 225 ACRES +/-  
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE  
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED  
 TARGET FORMATION MARCELLUS PLUG & ABANDON CLEAN OUT & REPLUG  
 ESTIMATED DEPTH 6,592' TVD 18,411' MD  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV 25313