

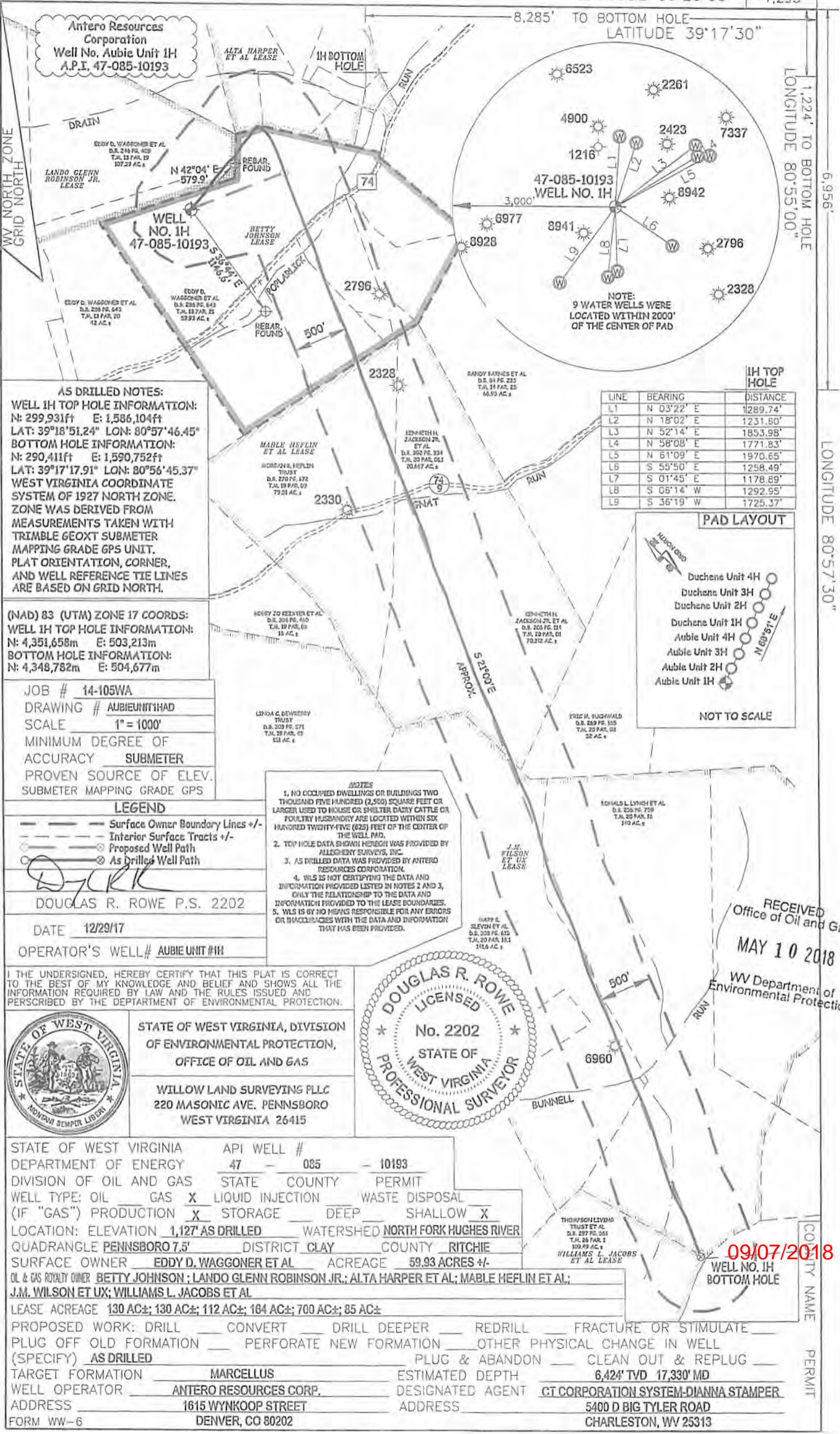
LATITUDE 39°20'00" | -1,293'

8,285' TO BOTTOM HOLE  
LATITUDE 39°17'30"

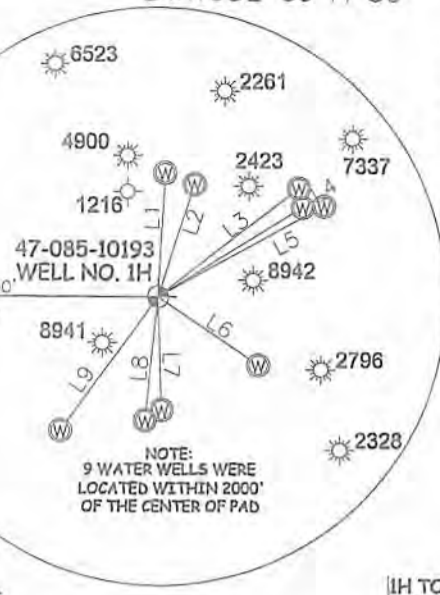
LONGITUDE 80°55'00"

6,956'

LONGITUDE 80°57'30"



Antero Resources Corporation  
Well No. Aubie Unit 1H  
A.P.I. 47-085-10193



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

**AS DRILLED NOTES:**  
WELL 1H TOP HOLE INFORMATION:  
N: 299,931ft E: 1,586,104ft  
LAT: 39°18'51.24" LON: 80°57'46.45"  
BOTTOM HOLE INFORMATION:  
N: 290,411ft E: 1,590,752ft  
LAT: 39°17'17.91" LON: 80°56'45.37"  
WEST VIRGINIA COORDINATE  
SYSTEM OF 1927 NORTH ZONE.  
ZONE WAS DERIVED FROM  
MEASUREMENTS TAKEN WITH  
TRIMBLE 600XT 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: 4,351,658m E: 503,213m  
BOTTOM HOLE INFORMATION:  
N: 4,348,782m E: 504,677m

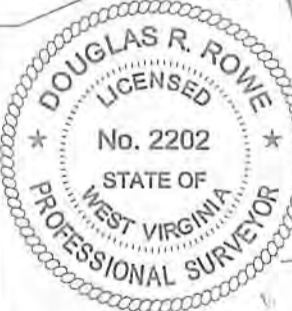
JOB # 14-105WA  
DRAWING # AUBIEUNIT1HAD  
SCALE 1" = 1000'  
MINIMUM DEGREE OF  
ACCURACY SUBMETER  
PROVEN SOURCE OF ELEV.  
SUBMETER MAPPING GRADE GPS

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

DOUGLAS R. ROWE P.S. 2202  
DATE 12/29/17  
OPERATOR'S WELL # AUBIE UNIT #1H

**NOTES**  
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 LEASE BOUNDARIES.  
5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

LINE	BEARING	DISTANCE
L1	N 03°22' E	1289.74'
L2	N 18°02' E	1231.60'
L3	N 52°14' E	1853.98'
L4	N 58°08' E	1771.83'
L5	N 61°09' E	1970.65'
L6	S 55°50' E	1258.49'
L7	S 01°45' E	1178.89'
L8	S 05°14' W	1292.95'
L9	S 36°19' W	1725.37'



RECEIVED  
Office of Oil and Gas  
MAY 10 2018  
WV Department of  
Environmental Protection

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

API WELL # 47 - 085 - 10193

STATE COUNTY PERMIT

WELL TYPE: OIL GAS  LIQUID INJECTION WASTE DISPOSAL

(IF "GAS") PRODUCTION  STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,127' AS DRILLED WATERSHED NORTH FORK HUGHES RIVER

QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE

SURFACE OWNER EDDY D. WAGGONER ET AL ACREAGE 59.93 ACRES +/-

OIL & GAS ROYALTY OWNER BETTY JOHNSON; LANDO GLENN ROBINSON JR.; ALTA HARPER ET AL; MABLE HEFLIN ET AL; J.M. WILSON ET UX; WILLIAMS L. JACOBS ET AL

LEASE ACREAGE 130 AC±; 130 AC±; 112 AC±; 164 AC±; 700 AC±; 85 AC±

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  PLUG & ABANDON  CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,424' TVD 17,330' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM-DIANNA STAMPER

ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD

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

09/07/2018

COUNTY NAME

PERMIT