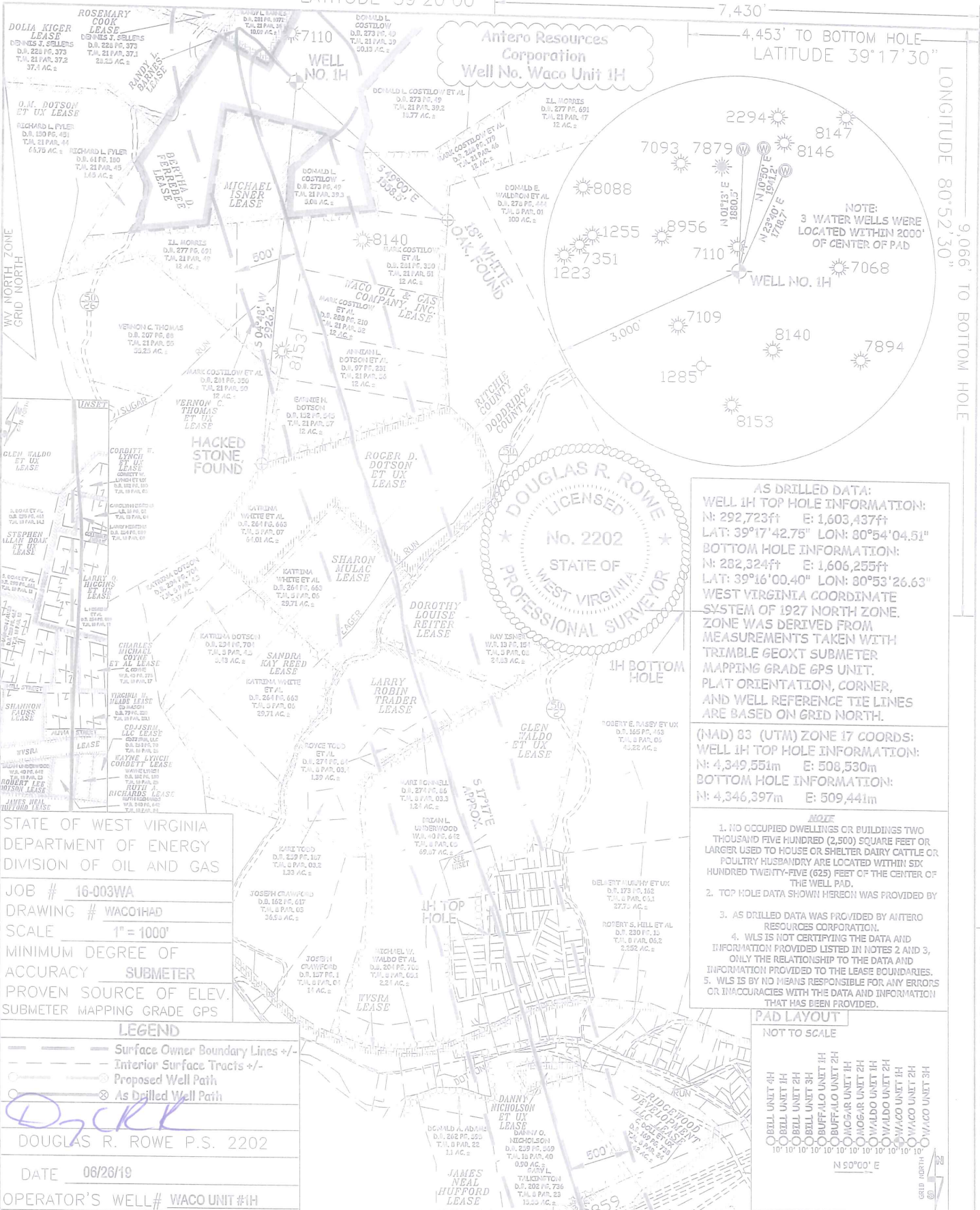


LATITUDE 39°20'00"

7,430'



Antero Resources Corporation
Well No. Waco Unit 1H

DOUGLAS R. ROWE
LICENSED
No. 2202
STATE OF WEST VIRGINIA
PROFESSIONAL SURVEYOR

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 292,723ft E: 1,603,437ft
LAT: 39°17'42.75" LON: 80°54'04.51"
BOTTOM HOLE INFORMATION:
N: 282,324ft E: 1,606,255ft
LAT: 39°16'00.40" LON: 80°53'26.63"
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: 4,349,551m E: 508,530m
BOTTOM HOLE INFORMATION:
N: 4,346,397m E: 509,441m

- NOTE:**
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
 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

JOB # 16-003WA
DRAWING # WACO1HAD
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 06/26/19
OPERATOR'S WELL # WACO UNIT 1H

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

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1,221' AS-BUILT WATERSHED NORTH FORK HUGHES RIVER
QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY (TH) CENTRAL (BH) COUNTY RITCHIE (TH) DODDRIDGE (BH)

SURFACE OWNER DONALD L. COSTILOW ACREAGE 50.13 ACRES +/-
OIL & GAS ROYALTY OWNER BERTHA D. FERREBEE; RANDY L. BARNES; MICHAEL ISNER; WACO OIL & GAS CO. INC.; LEASE ACREAGE 67 AC±; 10.75 AC±; 98.3 AC±;
ROGER D. DOTSON ET UX; SHARON MULAC; DOROTHY LOUISE REITER; LARRY ROBIN TRADER; GLEN WALDO ET UX; 40 AC±; 25 AC±; 24.5 AC±; 25.83 AC±; 72.11 AC±;
CORBITT W. LYNCH ET UX; LARRY O. HIGGINS ET UX; CHARLES MICHAEL COYNE ET AL; VIRGINIA M. MEADE; WYRSA; RUTH A. RICHARDS; 10.09 AC±; 2.95 AC±; 0.4 AC±; 4.05 AC±; 301.19 AC±; 0.38 AC±;
JAMES NEAL HUFFORD; DANNY NICHOLSON ET UX; JUDY DOLL; VIRGINIA M. MEADE; G.W. HILL ET UX 46.7 AC±; 1.73 AC±; 40 AC±; 4.23 AC±; 47 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 ___
TARGET FORMATION MARCELLUS PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
WELL OPERATOR ANTERO RESOURCES CORP. ESTIMATED DEPTH 6,623' TVD 17,681' MD
ADDRESS 1615 WYNKOOP STREET DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
FORM WW-6 DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

47 API WELL # 10354
STATE COUNTY PERMIT

COUNTY NAME PERMIT