

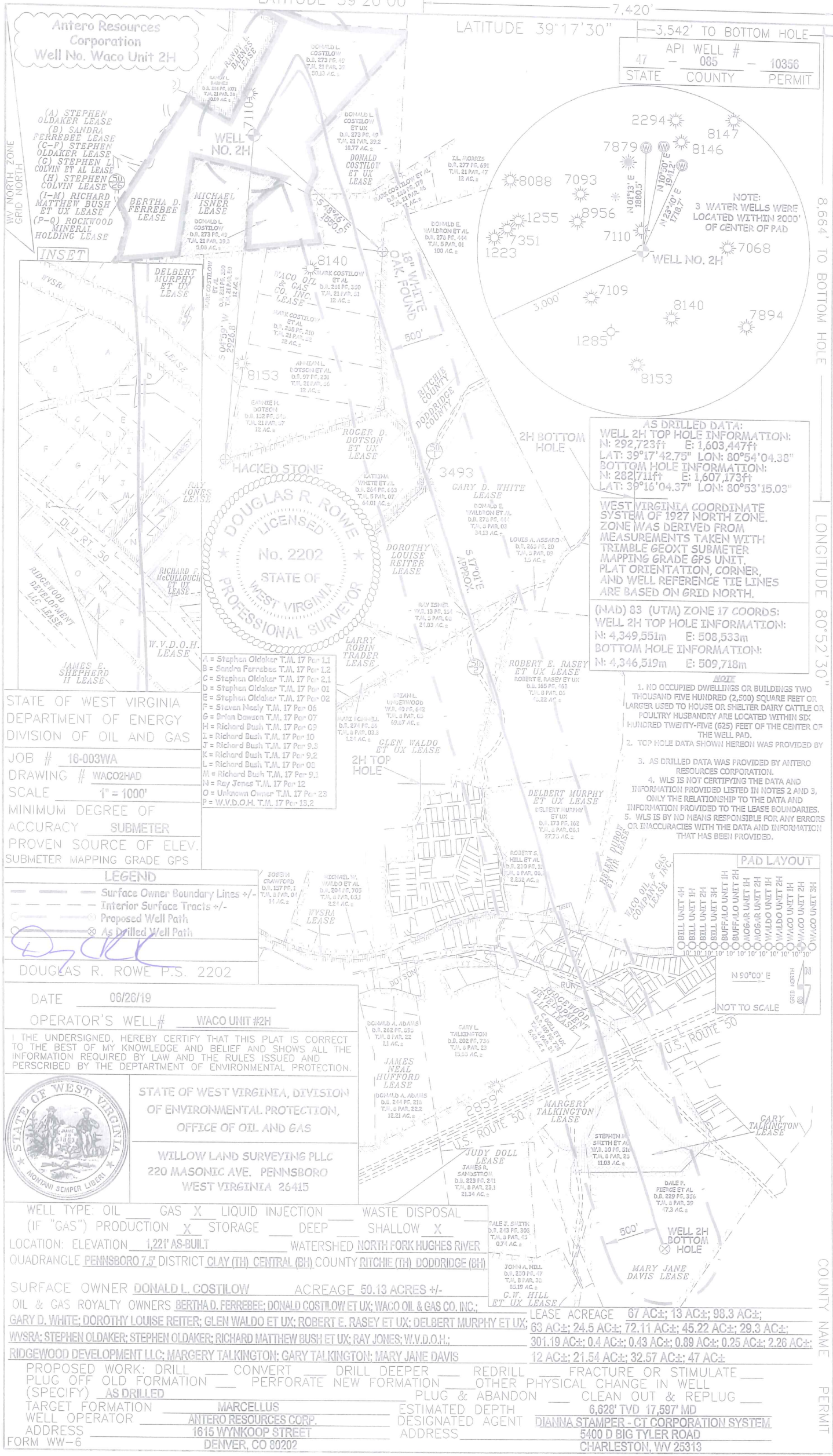
LATITUDE 39°20'00"

7,420'

LATITUDE 39°17'30"

3,542' TO BOTTOM HOLE

47	API WELL #	085	10356
STATE	COUNTY	PERMIT	



AS DRILLED DATA:
WELL 2H TOP HOLE INFORMATION:
 N: 292,723ft E: 1,603,447ft
 LAT: 39°17'42.75" LON: 80°54'04.38"
BOTTOM HOLE INFORMATION:
 N: 282,711ft E: 1,607,173ft
 LAT: 39°16'04.37" LON: 80°53'15.03"

WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE
 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: 4,349,551m E: 508,533m
BOTTOM HOLE INFORMATION:
 N: 4,346,519m E: 509,718m

- NOTE:**
 3 WATER WELLS WERE LOCATED WITHIN 2000' OF CENTER OF PAD
- 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 # WACO2HAD
 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 #2H

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.



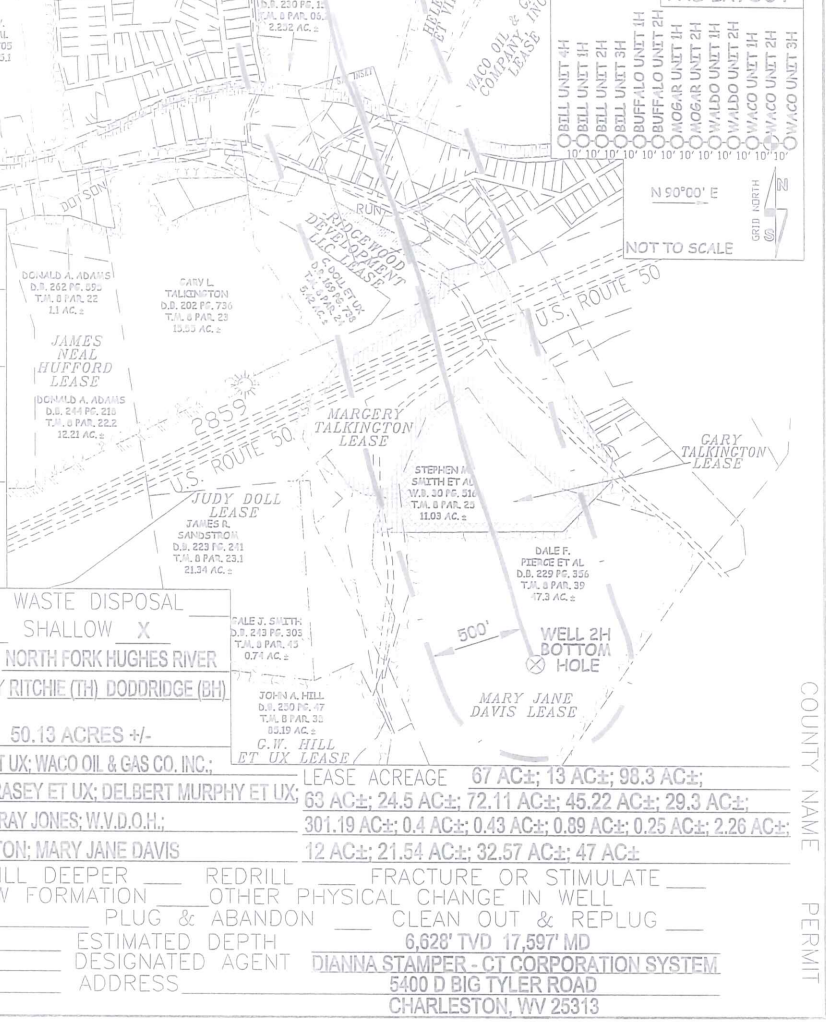
STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO
 WEST VIRGINIA 26415

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION X 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 OWNERS BERTHA D. FERREBEE; DONALD COSTILOW ET UX; WACO OIL & GAS CO. INC.;
 GARY D. WHITE; DOROTHY LOUISE REITER; GLEN WALDO ET UX; ROBERT E. RASEY ET UX; DELBERT MURPHY ET UX;
 WVSRA; STEPHEN OLDAKER; STEPHEN OLDAKER; RICHARD MATTHEW BUSH ET UX; RAY JONES; W.V.D.O.H.;
 RIDGEWOOD DEVELOPMENT LLC; MARGERY TALKINGTON; GARY TALKINGTON; MARY JANE DAVIS

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 6,628' TVD 17,597' MD
 WELL OPERATOR ANTERO RESOURCES CORP. 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



8,664' TO BOTTOM HOLE
 13,887'
 LONGITUDE 80°52'30"
 LONGITUDE 80°52'30"
 COUNTY NAME PERMIT