

LATITUDE 39°20'00"

6,819'

1,436' TO BOTTOM HOLE

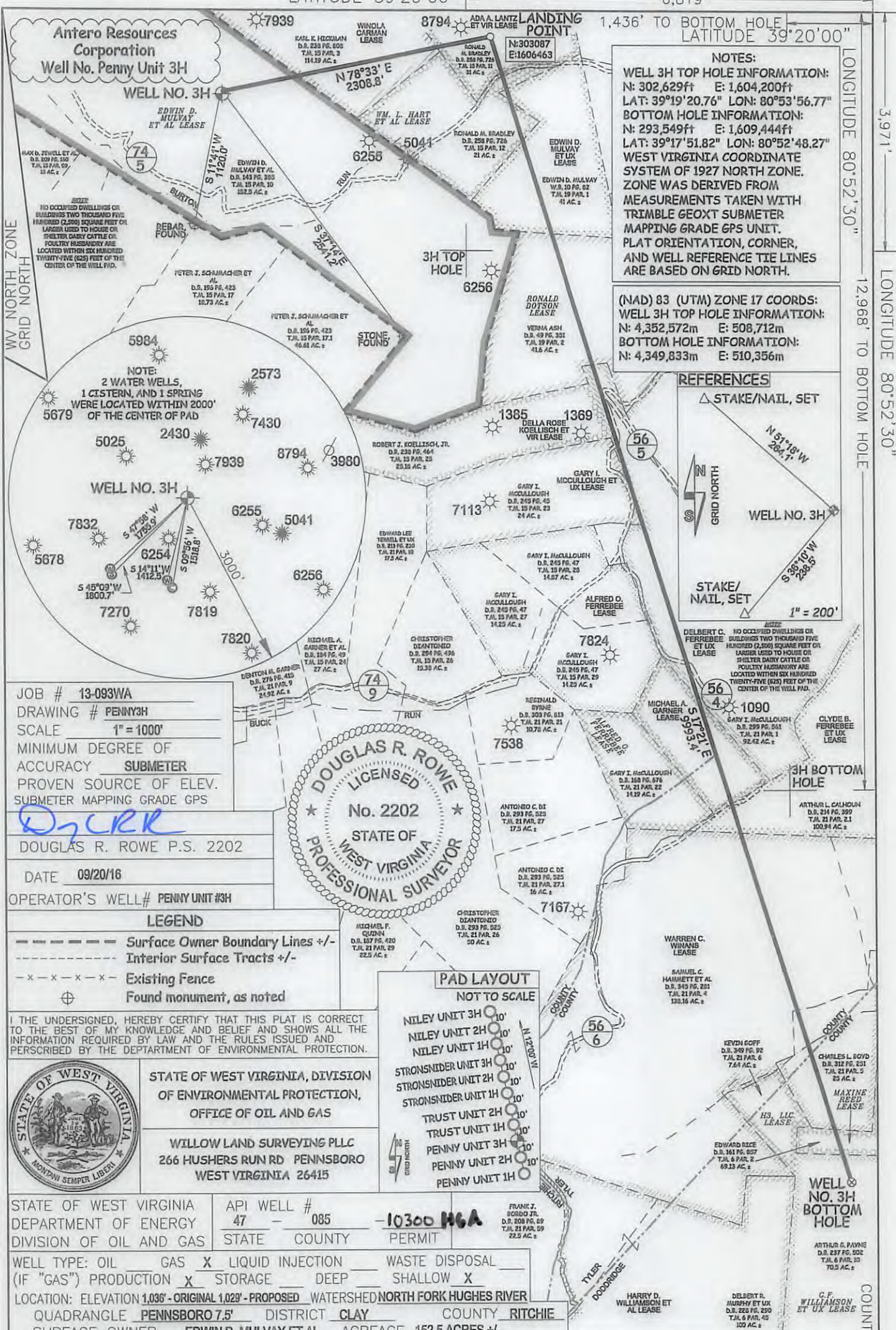
LATITUDE 39°20'00"

LONGITUDE 80°52'30"

3,971'

LONGITUDE 80°52'30"

12,968' TO BOTTOM HOLE

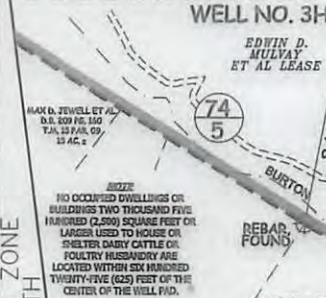


NOTES:
 WELL 3H TOP HOLE INFORMATION:
 N: 302,629ft E: 1,604,200ft
 LAT: 39°19'20.76" LON: 80°53'56.77"
 BOTTOM HOLE INFORMATION:
 N: 293,549ft E: 1,609,444ft
 LAT: 39°17'51.82" LON: 80°52'48.27"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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 3H TOP HOLE INFORMATION:
 N: 4,352,572m E: 508,712m
 BOTTOM HOLE INFORMATION:
 N: 4,349,833m E: 510,356m



Antero Resources Corporation
Well No. Penny Unit 3H



JOB # 13-093WA
 DRAWING # PENNY3H
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

DOUGLAS R. ROWE P.S. 2202

DATE 09/20/16

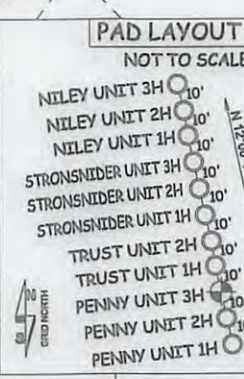
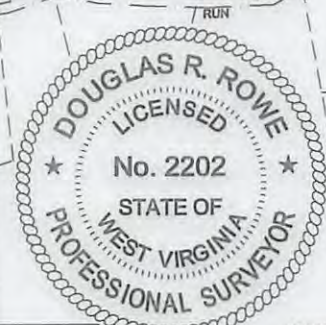
OPERATOR'S WELL# PENNY UNIT #3H

LEGEND
 --- Surface Owner Boundary Lines +/-
 - - - - Interior Surface Tracts +/-
 - x - x - Existing Fence
 ⊕ Found monument, as noted

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
 266 HUSHERS RUN RD PENNSBORO WEST VIRGINIA 26415



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

API WELL # 47 - 085 - 10300 H6A
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,036' - ORIGINAL 1,029' - PROPOSED WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE

SURFACE OWNER EDWIN D. MULVAY ET AL ACREAGE 152.5 ACRES +/-
 OIL & GAS ROYALTY OWNER EDWIN D. MULVAY ET AL; WINOLA CARMAN; ADA A. LANTZ ET VIR; WM. L. HART ET AL; EDWIN D. MULVAY ET UX; LEASE ACREAGE 152 AC.; 23.94 AC.; 32 AC.; 21.65 AC.; 41 AC.;

RODOLFO DOTSON; DELBERT C. FERREBEE ET UX; GARY I. MCCULLOUGH ET UX; MICHAEL A. GARNER; CLYDE B. FERREBEE ET UX; WARREN C. WIMANS; MAXINE REED; G.F. WILLIAMSON ET UX. 41.594 AC.; 76 AC.; 24 AC.; 16 AC.; 105 AC.; 143 AC.; 73 AC.; 165 AC.;

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ PLUG & ABANDON CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,600' TVD 18,500' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM

FORM WW-6 DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

12/23/2016