

LATITUDE 39°20'00" 6,814'

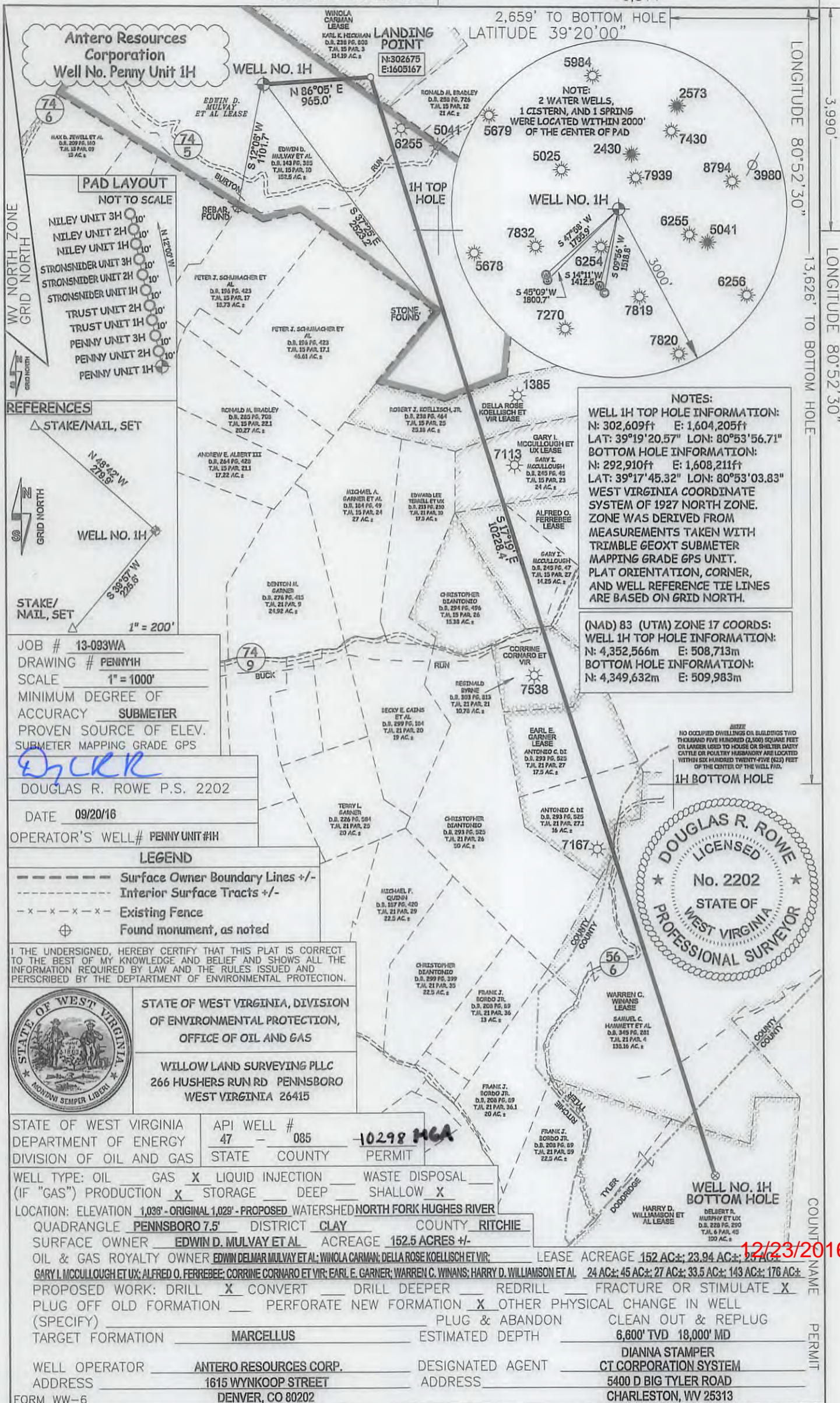
2,659' TO BOTTOM HOLE  
LATITUDE 39°20'00"

LONGITUDE 80°52'30"

3,990'

LONGITUDE 80°52'30"

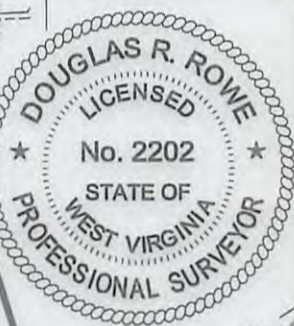
13,626' TO BOTTOM HOLE



**NOTES:**  
 WELL 1H TOP HOLE INFORMATION:  
 N: 302,609ft E: 1,604,205ft  
 LAT: 39°19'20.57" LON: 80°53'56.71"  
 BOTTOM HOLE INFORMATION:  
 N: 292,910ft E: 1,608,211ft  
 LAT: 39°17'45.32" LON: 80°53'03.83"  
 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: 4,352,566m E: 508,713m  
 BOTTOM HOLE INFORMATION:  
 N: 4,349,632m E: 509,983m

**NOTE:**  
 NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER LEAD TO HOUSE OR SHEDS DAILY CATTLE OR PASTURE HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.  
 1H BOTTOM HOLE



JOB # 13-093WA  
 DRAWING # PENNY1H  
 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 #1H

**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 - 10298 HCA  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1,038' - 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 DELMAR MULVAY ET AL; WINOLA CARMAN; DELLA ROSE KOELLISCH ET VIR; LEASE ACREAGE 152 AC±; 23.94 AC±; 12 AC±

GARY I. MCCULLOUGH ET UX; ALFRED O. FERREBEE; CORRINE CORNARO ET VIR; EARL E. GARNER; WARREN C. WINANS; HARRY D. WILLIAMSON ET AL 24 AC±; 45 AC±; 27 AC±; 33.5 AC±; 143 AC±; 176 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 18,000' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1615 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM  
 DENVER, CO 80202 CHARLESTON, WV 25313

12/23/2016