

LATITUDE 39°12'30"

4,781'

LATITUDE 39°10'00" 829' TO BOTTOM HOLE

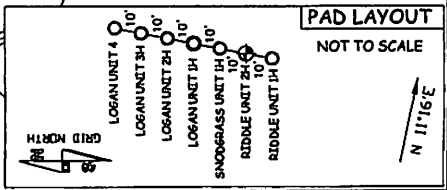
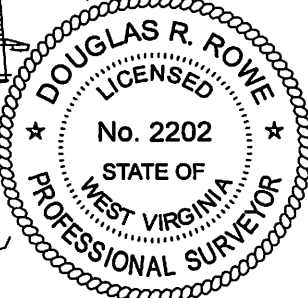
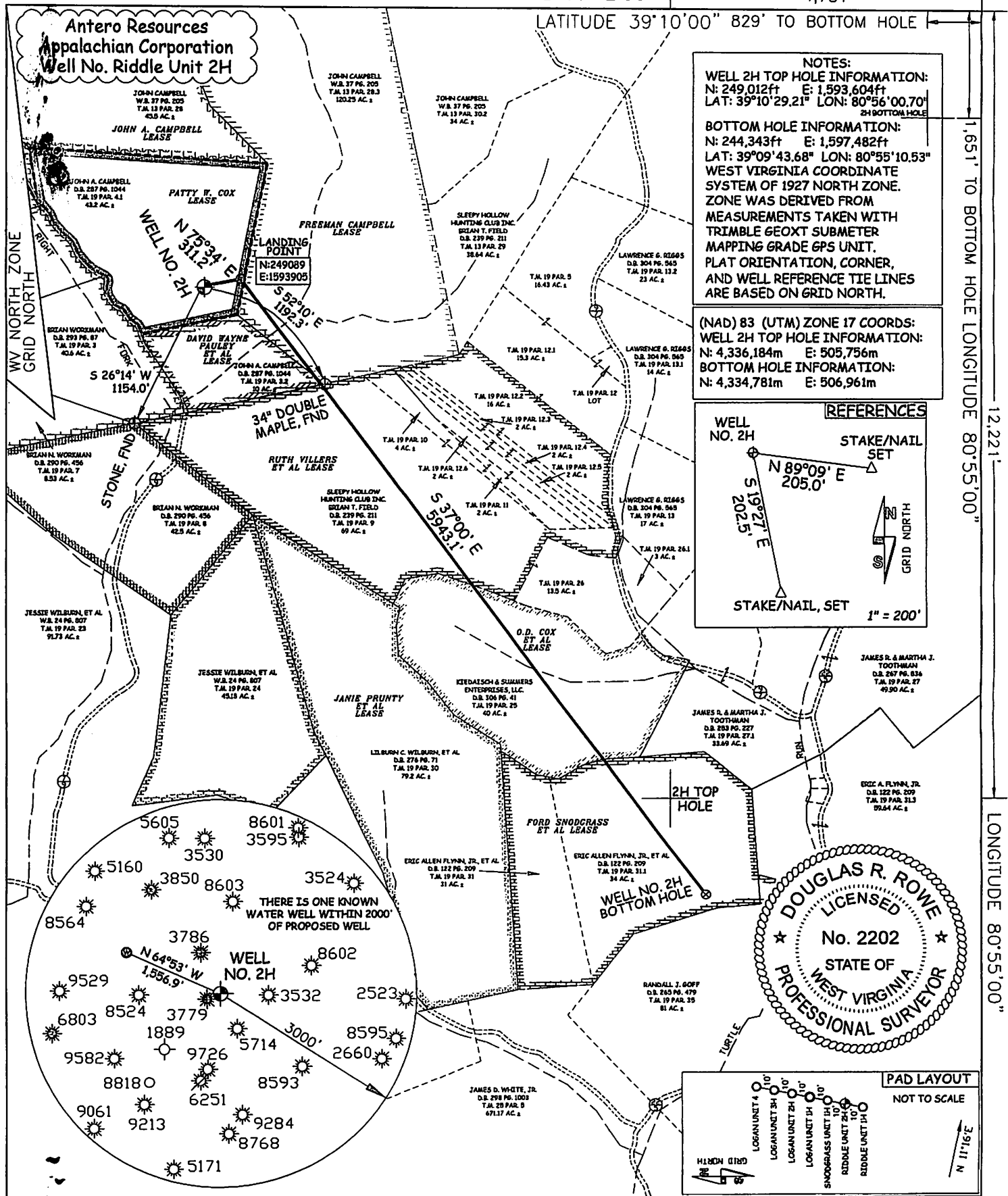
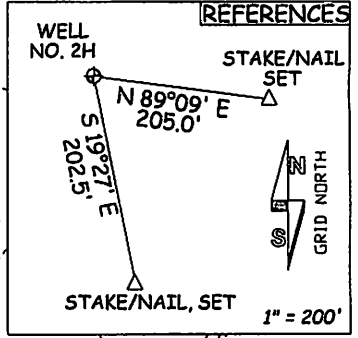
1,651' TO BOTTOM HOLE LONGITUDE 80°55'00"

12.221' LONGITUDE 80°55'00"

# Antero Resources Appalachian Corporation Well No. Riddle Unit 2H

**NOTES:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 249,012ft E: 1,593,604ft  
 LAT: 39°10'29.21" LON: 80°56'00.70"  
**2H BOTTOM HOLE**  
**BOTTOM HOLE INFORMATION:**  
 N: 244,343ft E: 1,597,482ft  
 LAT: 39°09'43.68" LON: 80°55'10.53"  
 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 2H TOP HOLE INFORMATION:**  
 N: 4,336,184m E: 505,756m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,334,781m E: 506,961m



JOB # 12-046WA  
 DRAWING # RIDDLE2HR2  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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 REGULATIONS 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

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

DOUGLAS R. ROWE P.S. 2202

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS  
 WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1,029' WATERSHED RIGHT FORK OF SLAB CREEK  
 QUADRANGLE PULLMAN 7.5' DISTRICT UNION COUNTY RITCHIE  
 SURFACE OWNER JOHN A. & LINDA J. CAMPBELL ACREAGE 43.2 ACRES +/-  
 OIL & GAS ROYALTY OWNER PATRY W. COX; DAVID W. PAULEY ET AL; RUTH VILLERS ET AL; FREEMAN CAMPBELL; O.D. COX ET AL; FORD SNOODGRASS ET AL LEASE ACREAGE 43.2 ACRES +/-; 112 ACRES +/-; 100 ACRES +/-; 120.25 ACRES +/-; 54 ACRES +/-; 65 ACRES +/-  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X  
 PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_ PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 13,300' MD  
 WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV 25313

DATE 12/04/12  
 OPERATOR'S WELL # RIDDLE UNIT #2H  
 API WELL # 47 - 085 - 09991  
 STATE COUNTY PERMIT

H6A MOD

COUNTY NAME PERMIT