

LATITUDE 39°12'30"

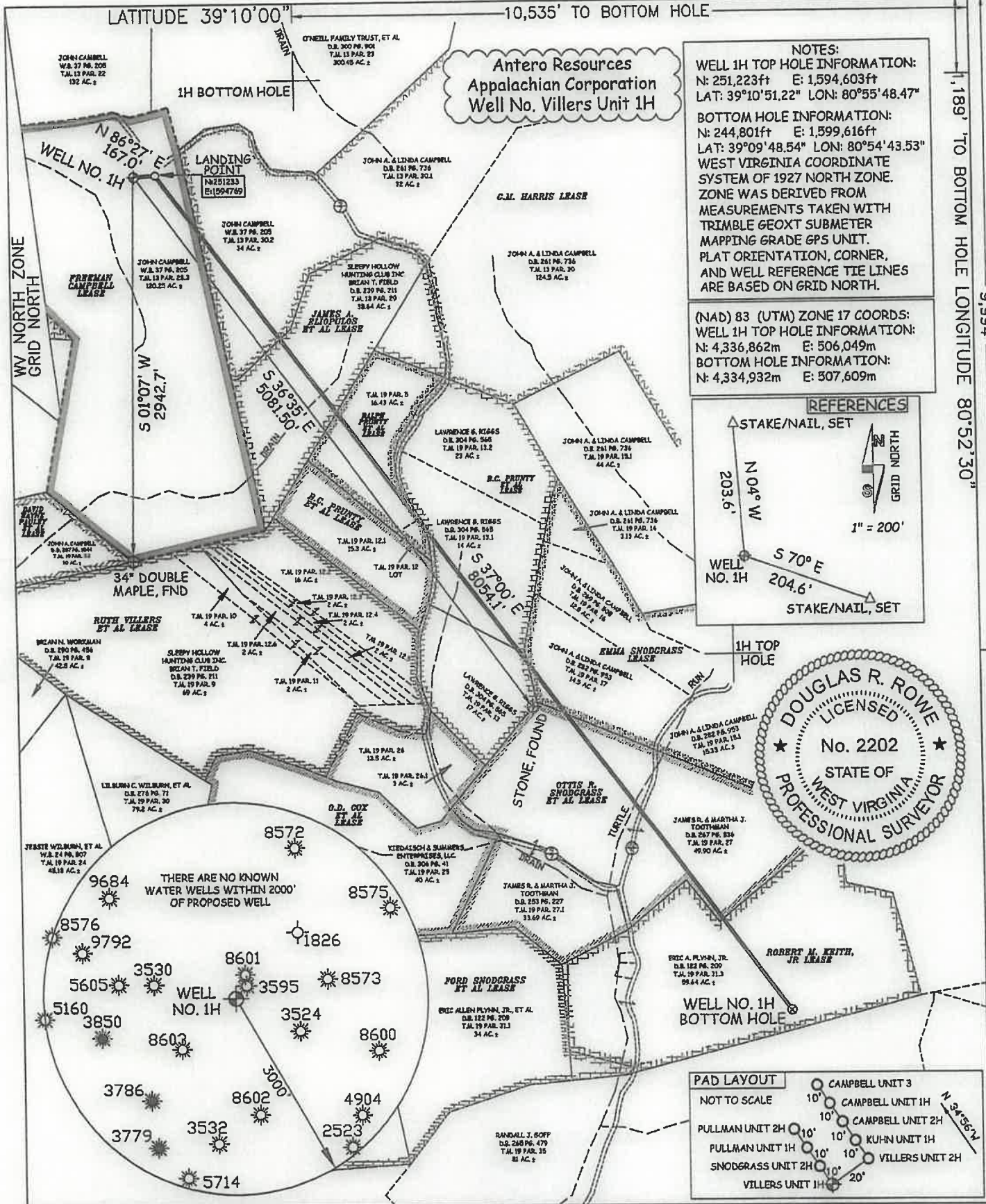
3,817'

LATITUDE 39°10'00"

10,535' TO BOTTOM HOLE

1,189' TO BOTTOM HOLE LONGITUDE 80°52'30"

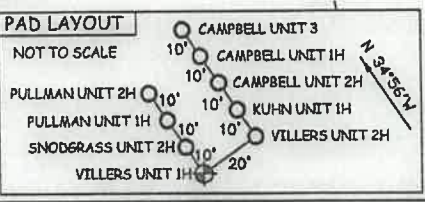
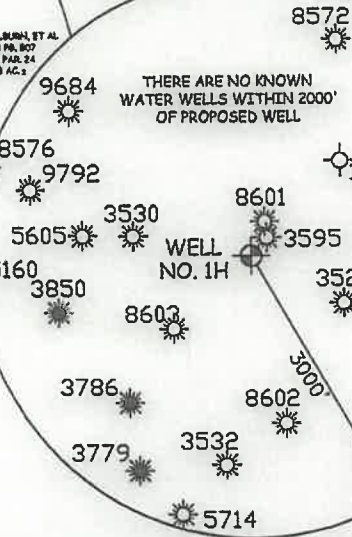
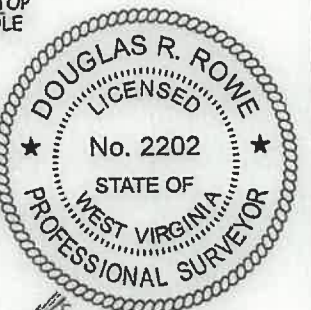
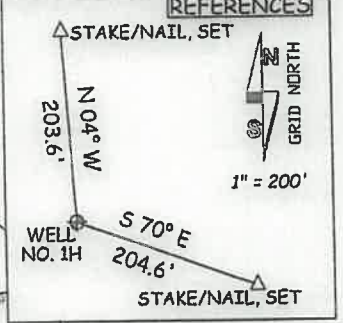
9,994' LONGITUDE 80°55'00"



**Antero Resources  
Appalachian Corporation  
Well No. Villers 1H**

**NOTES:**  
**WELL 1H TOP HOLE INFORMATION:**  
 N: 251,223ft E: 1,594,603ft  
 LAT: 39°10'51.22" LON: 80°55'48.47"  
**BOTTOM HOLE INFORMATION:**  
 N: 244,801ft E: 1,599,616ft  
 LAT: 39°09'48.54" LON: 80°54'43.53"  
 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 1H TOP HOLE INFORMATION:**  
 N: 4,336,862m E: 506,049m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,334,932m E: 507,609m



JOB # 12-050WA  
 DRAWING # VILLERS1H  
 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  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 1,014' WATERSHED RIGHT FORK OF SLAB CREEK  
 QUADRANGLE PULLMAN 7.5' DISTRICT UNION COUNTY RITCHIE

DATE 08/17/12  
 OPERATOR'S WELL# VILLERS UNIT #1H  
 API WELL # 47 - 085 - 0999746A  
 STATE COUNTY PERMIT

SURFACE OWNER JOHN A. & LINDA J. CAMPBELL ACREAGE 120.25 ACRES +/-  
 OIL & GAS ROYALTY OWNER FREEMAN CAMPBELL, G.M. HARRIS, JAMES A. ELIOPULOS ET AL.; RALPH PRUNTY ET AL.; B.C. PRUNTY ET AL.; EMMA SNODGRASS; OTTIS R. SNODGRASS ET AL.; ROBERT M. KEITH, JR. LEASE ACREAGE 120.25 ACRES; 20 ACRES; 1 ACRES; 17 ACRES +/-; 54 ACRES; 65 ACRES; 83.25 ACRES; 59.64 ACRES

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 6,800' TVD 15,700' MD

WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD  
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME PERMIT