

LATITUDE 39°20'00" ← 1,542'

LATITUDE 39°22'30"

LONGITUDE 80°57'30" 14,828' TO BOTTOM HOLE 12,265' LONGITUDE 80°57'30"

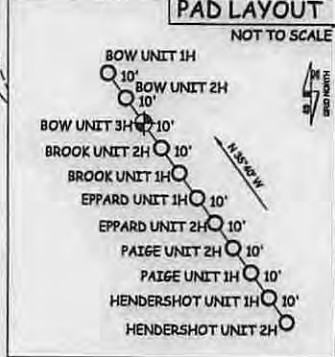
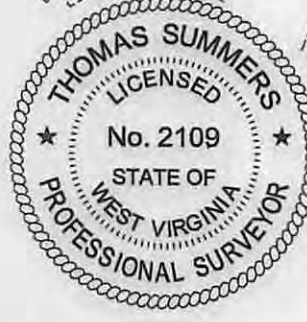
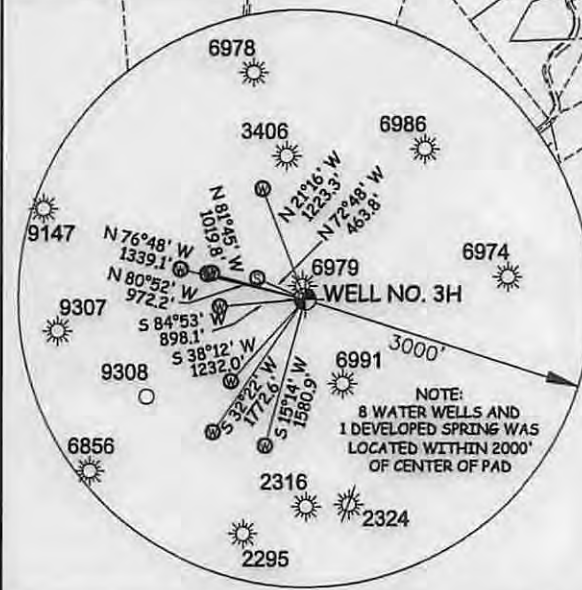
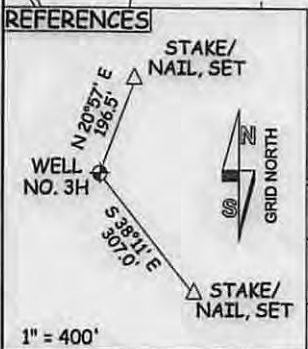
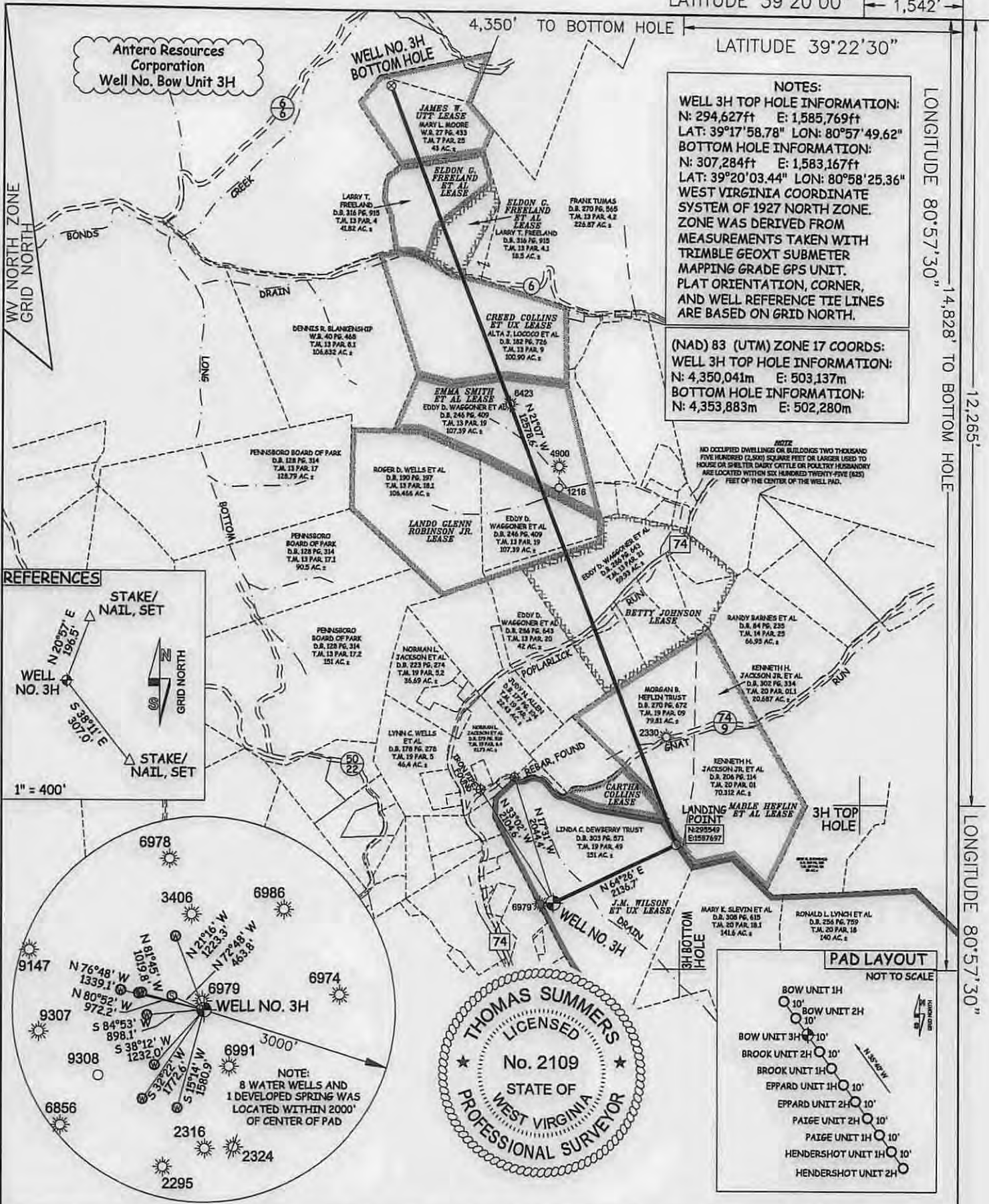
Antero Resources Corporation Well No. Bow Unit 3H

4,350' TO BOTTOM HOLE

**NOTES:**  
**WELL 3H TOP HOLE INFORMATION:**  
 N: 294,627ft E: 1,585,769ft  
 LAT: 39°17'58.78" LON: 80°57'49.62"  
**BOTTOM HOLE INFORMATION:**  
 N: 307,284ft E: 1,583,167ft  
 LAT: 39°20'03.44" LON: 80°58'25.36"  
 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: 4,350,041m E: 503,137m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,353,883m E: 502,280m

**NOTE:**  
 NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2000) 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.



JOB # 14-004WA  
 DRAWING # BOW3H  
 SCALE 1" = 2000'  
 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 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  
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

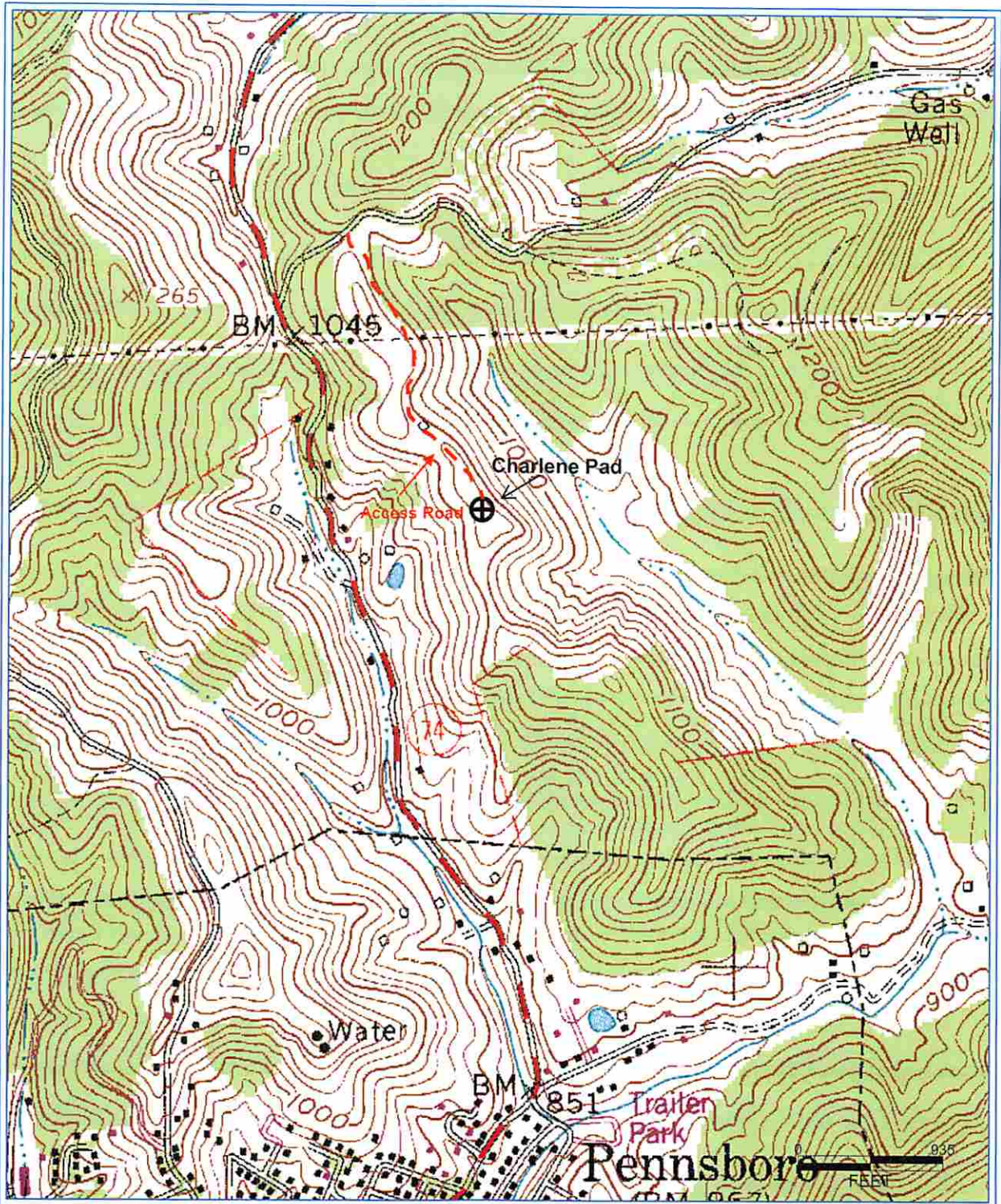
**LEGEND**  
 - - - Surface Owner Boundary Lines +/-  
 - - - Interior Surface Tracts +/-  
 X Existing Fence  
 ⊕ Found monument, as noted

THOMAS SUMMERS P.S. 2109

DATE 03/20/15  
 OPERATOR'S WELL# BOW UNIT #3H  
 API WELL # 47 - 085 - 10213  
 STATE COUNTY PERMIT

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: ORIGINAL GROUND ELEVATION 1,124' PAD ELEVATION 1,118'  
 WATERSHED NORTH FORK HUGHES RIVER QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE  
 SURFACE OWNER LINDA C. DEWBERRY TRUST ACREAGE 151 ACRES +/-  
 OIL & GAS ROYALTY OWNER J.M. WILSON ET UX; MABLE HEFLIN ET AL; BETTY JOHNSON; LEASE ACREAGE 700 ACRES+; 164 ACRES+; 130 ACRES+;  
 LANDO GLENN ROBINSON JR.; EMMA SMITH ET AL; CREED COLLINS ET UX; ELDON G. FREELAND ET AL; ELDON G. FREELAND ET AL; JAMES W. UTT 130 ACRES+; 78 ACRES+; 104 ACRES+; 19 ACRES+; 38 ACRES+; 56.5 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 6,600' TVD 20,000' MD  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV 25313

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PETRA RW05015 10:20:05 AM

Received  
Office of Oil & Gas

APR 03 2015

**Antero Resources Corporation**  
Appalachian Basin  
Bow Unit 3H  
Ritchie County

Quadrangle: Pennsboro  
Watershed: Poplarlick Run  
District: Clay