

LATITUDE 39°20'00"

6,132'

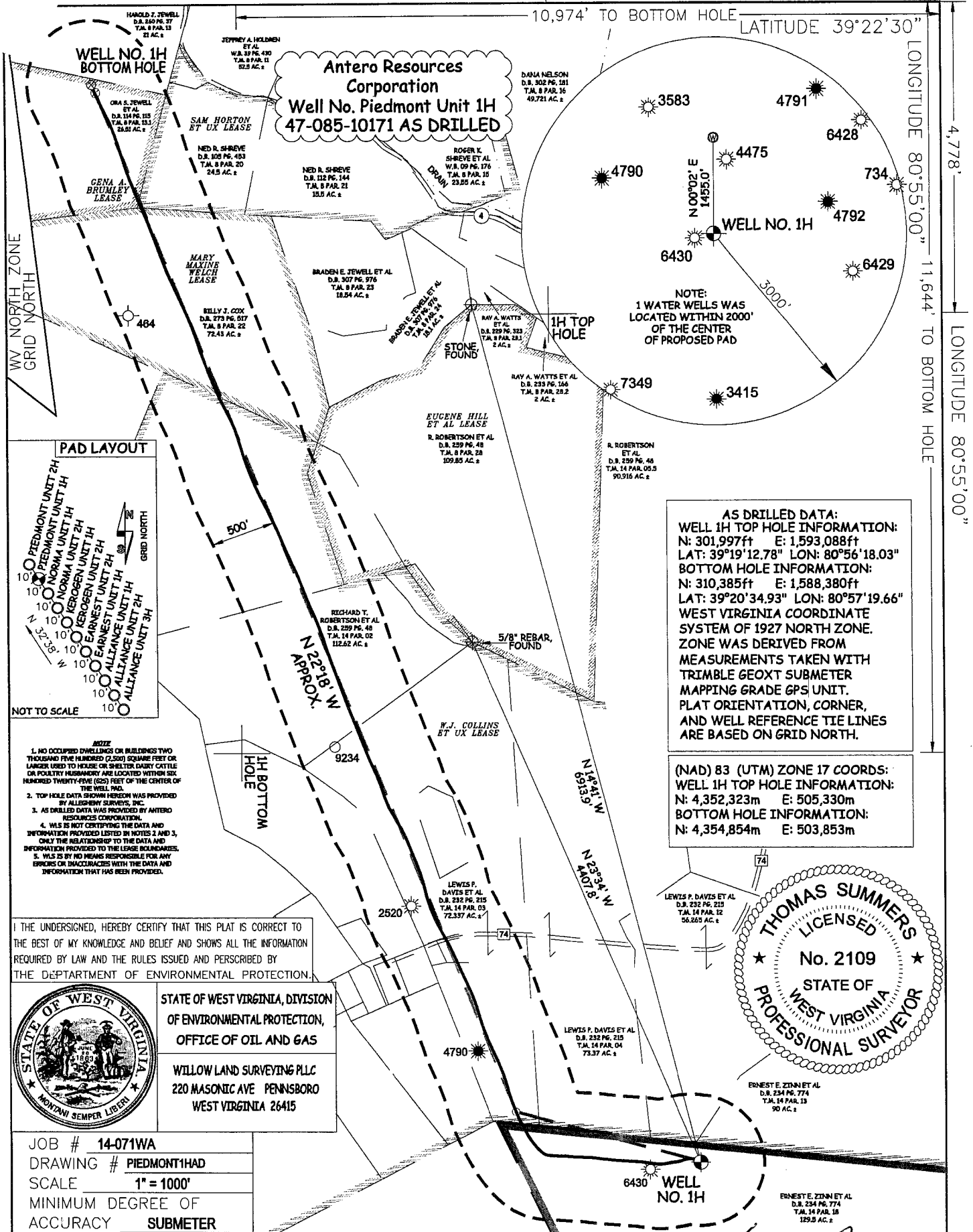
10,974' TO BOTTOM HOLE

LATITUDE 39°22'30"

LONGITUDE 80°55'00"

4,778'

LONGITUDE 80°55'00"

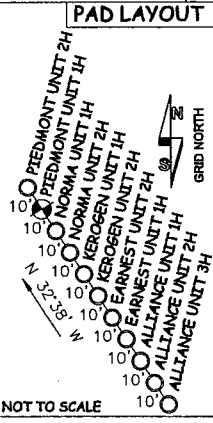
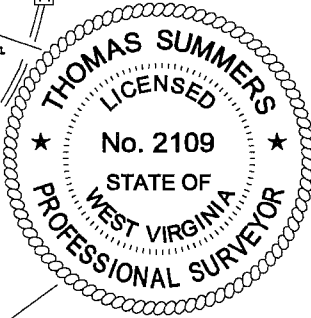


**Antero Resources Corporation**  
**Well No. Piedmont Unit 1H**  
**47-085-10171 AS DRILLED**

NOTE:  
 1 WATER WELLS WAS  
 LOCATED WITHIN 2000'  
 OF THE CENTER  
 OF PROPOSED PAD

**AS DRILLED DATA:**  
**WELL 1H TOP HOLE INFORMATION:**  
 N: 301,997ft E: 1,593,088ft  
 LAT: 39°19'12.78" LON: 80°56'18.03"  
**BOTTOM HOLE INFORMATION:**  
 N: 310,385ft E: 1,588,380ft  
 LAT: 39°20'34.93" LON: 80°57'19.66"  
 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: 4,352,323m E: 505,330m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,354,854m E: 503,853m



- NOTE**
1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,000) 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.
  2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
  3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
  4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
  5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

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

JOB # 14-071WA  
 DRAWING # PIEDMONT1HAD  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

**LEGEND**

	Surface Owner Boundary Lines +/-
	Interior Surface Tracts +/-
	Proposed Well Path
	As Drilled Well Path

HAROLD H. BLOCH  
 ET UX LEASE

*Thomas Summers*  
 THOMAS SUMMERS P.S. 2109  
 DATE 09/29/17  
 OPERATOR'S WELL # PIEDMONT UNIT #1H