

LATITUDE 39°12'30"

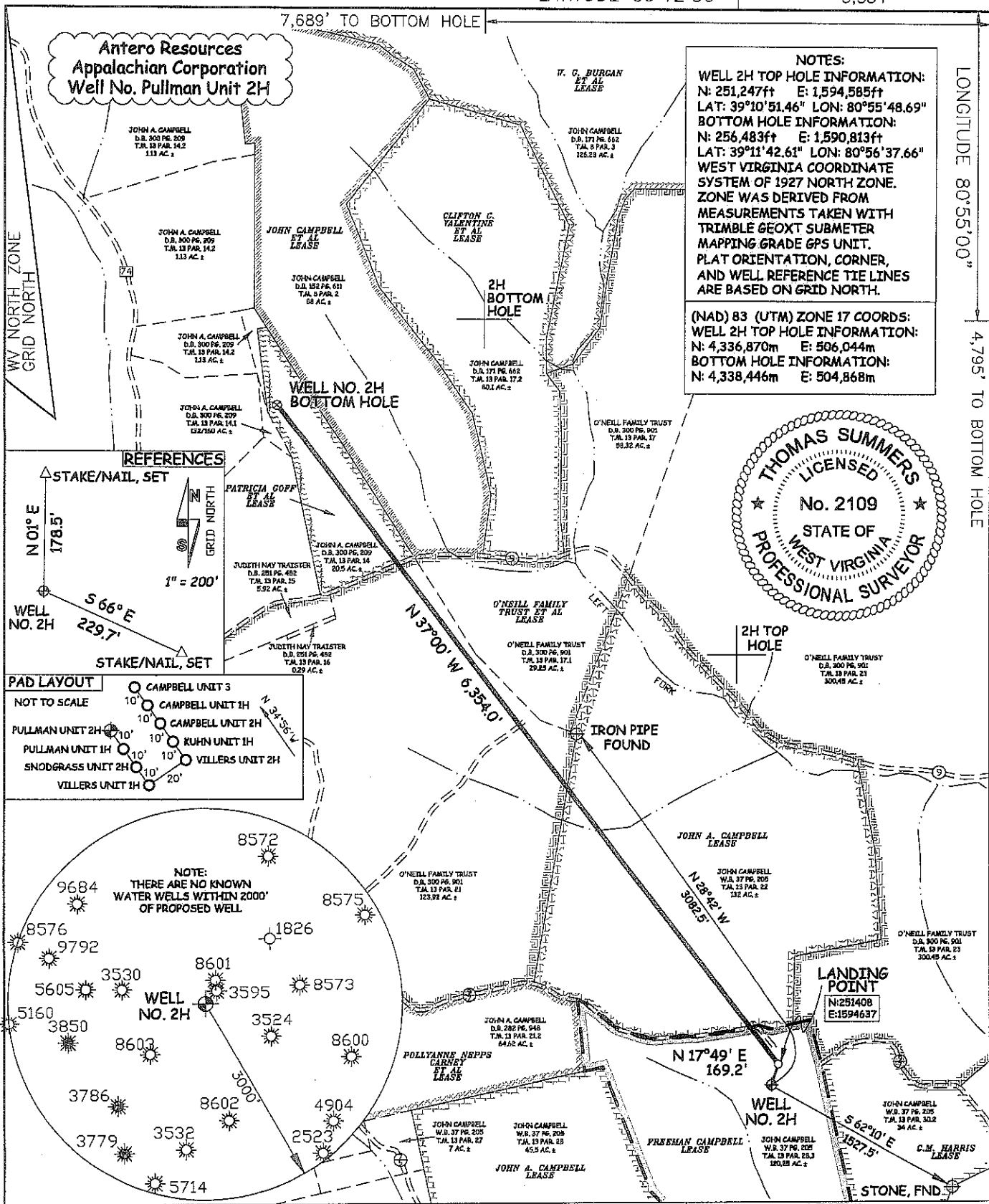
3,834'

LONGITUDE 80°55'00"

4,795' TO BOTTOM HOLE

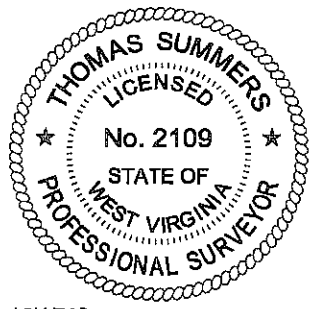
9,970'

Antero Resources  
Appalachian Corporation  
Well No. Pullman Unit 2H

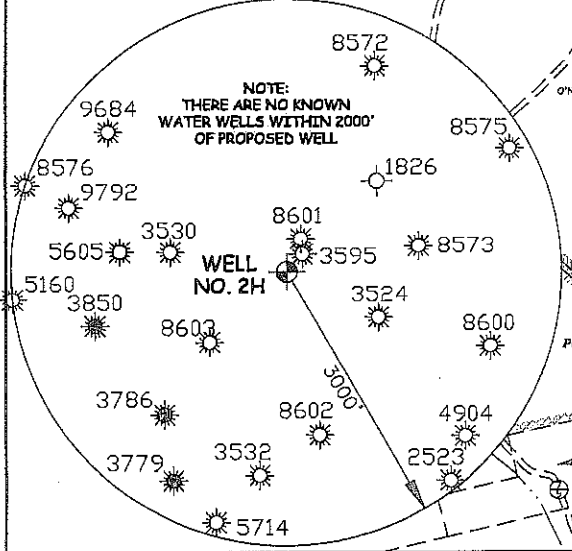
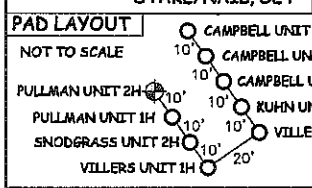
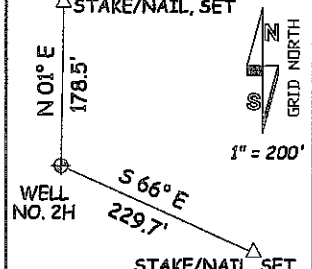


**NOTES:**  
 WELL 2H TOP HOLE INFORMATION:  
 N: 251,247ft E: 1,594,585ft  
 LAT: 39°10'51.46" LON: 80°55'48.69"  
 BOTTOM HOLE INFORMATION:  
 N: 256,483ft E: 1,590,813ft  
 LAT: 39°11'42.61" LON: 80°56'37.66"  
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS 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 2H TOP HOLE INFORMATION:  
 N: 4,336,870m E: 506,044m  
 BOTTOM HOLE INFORMATION:  
 N: 4,338,446m E: 504,868m



**REFERENCES**



JOB # 12-042  
 DRAWING # PULLMANUNIT2H  
 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  
 266 HUSHERS RUN RD PENNSBORO WEST VIRGINIA 26415

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

THOMAS SUMMERS P.S. 2109

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 1,014' WATERSHED LEFT FORK

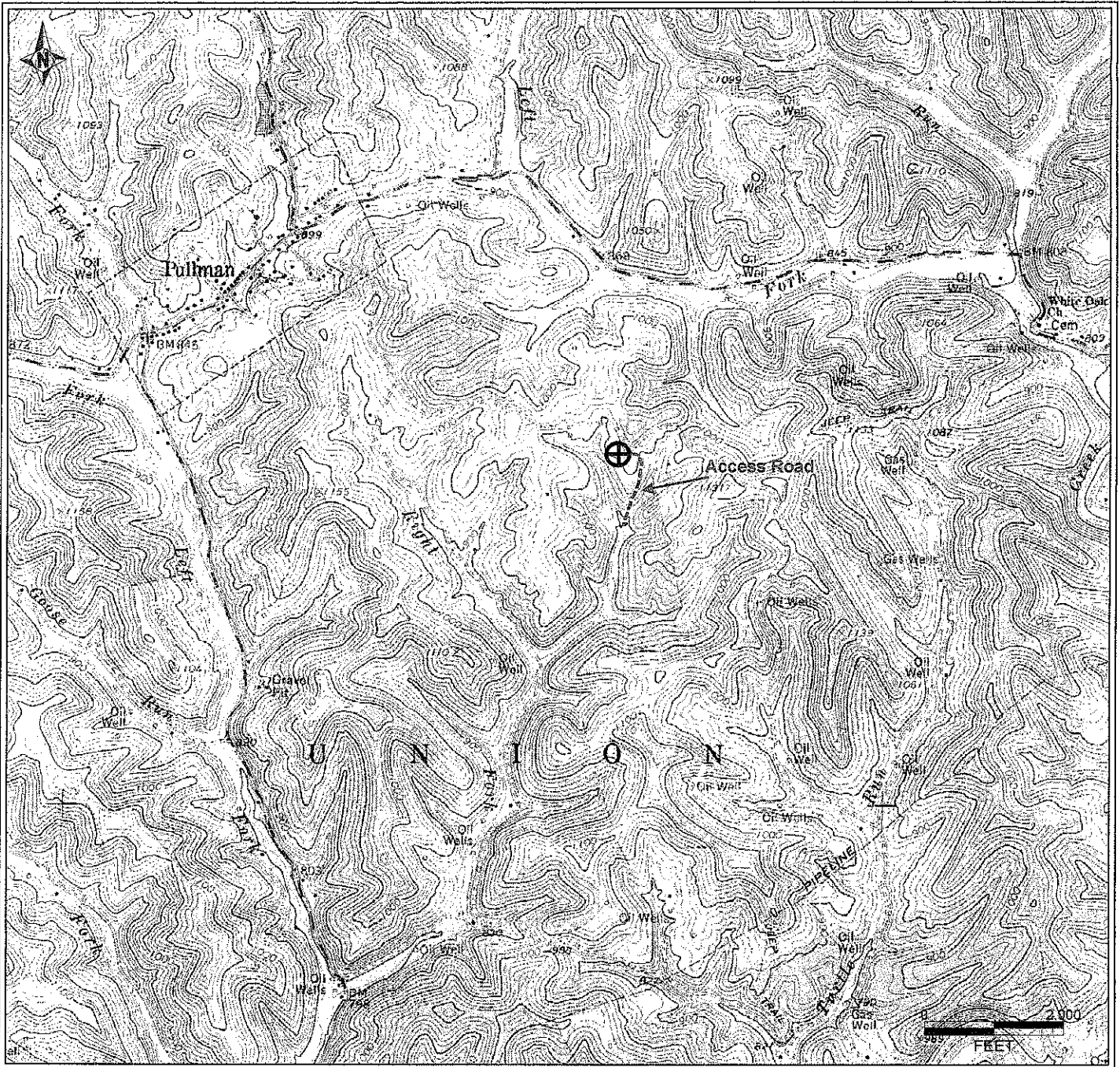
QUADRANGLE PULLMAN 7.5' DISTRICT UNION COUNTY RITCHIE  
 SURFACE OWNER JOHN A. & LINDA J. CAMPBELL ACREAGE 120.25 ACRES +/-  
 OIL & GAS ROYALTY OWNER FREEMAN CAMPBELL; LEASE ACREAGE 58 ACRES+;  
 JOHN A. CAMPBELL; O'NEILL FAMILY TRUST ET AL; PATRICIA GOFF ET AL 132.5 ACRES+; 517.83 ACRES+; 20.5 ACRES+

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 6,800' TVD 13,500' 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 25309

DATE 06/20/12  
 OPERATOR'S WELL# PULLMAN UNIT #2H  
 API WELL # 47 - 085 - 997846A  
 STATE COUNTY PERMIT

COUNTY NAME PERMIT



PETRA 6/26/2012 2:24:13 PM

85-9978

RECEIVED  
 JUN 27 2012  
 DISTRICT ENGINEER

Antero Resources Corporation
APPALACHIAN BASIN
Pullman Unit 2H Ritchie County
REMARKS QUADRANGLE: PULLMAN WATERSHED: LEFT FORK DISTRICT: UNION
Date: 6/26/2012

09/28/2012