

LATITUDE 39°15'00"

6,316'

10,053' TO BOTTOM HOLE

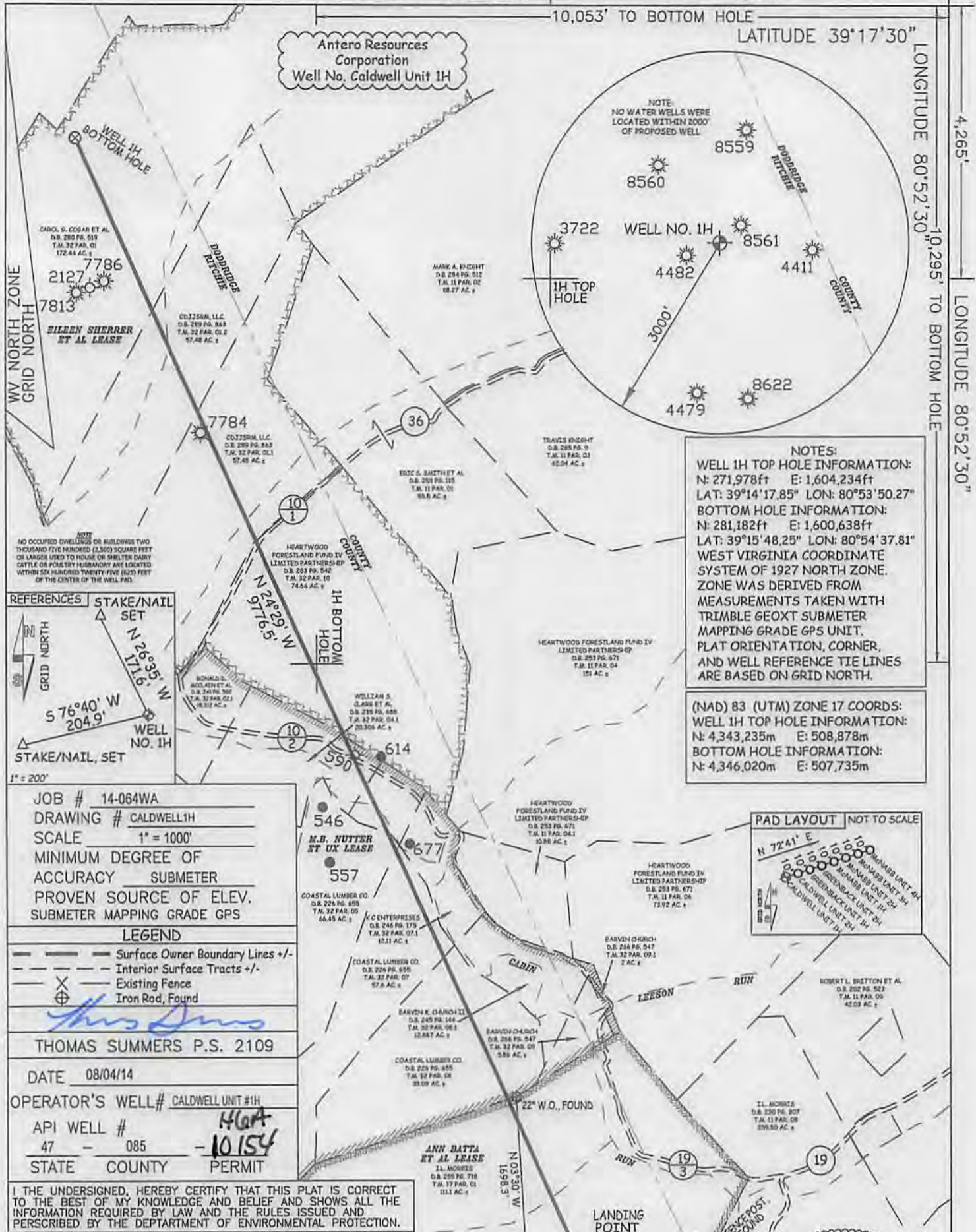
LATITUDE 39°17'30"

LONGITUDE 80°52'30"

4,265'

10,295' TO BOTTOM HOLE

LONGITUDE 80°52'30"



**NOTES:**  
 WELL 1H TOP HOLE INFORMATION:  
 N: 271,978ft E: 1,604,234ft  
 LAT: 39°14'17.85" LON: 80°53'50.27"  
 BOTTOM HOLE INFORMATION:  
 N: 281,182ft E: 1,600,638ft  
 LAT: 39°15'48.25" LON: 80°54'37.81"  
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH 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: 4,343,235m E: 508,878m  
 BOTTOM HOLE INFORMATION:  
 N: 4,346,020m E: 507,735m



JOB # 14-064WA  
 DRAWING # CALDWELL1H  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

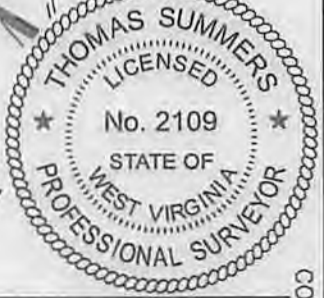
**LEGEND**  
 - - - Surface Owner Boundary Lines +/-  
 - - - Interior Surface Tracts +/-  
 X Existing Fence  
 ⊕ Iron Rod, Found

THOMAS SUMMERS P.S. 2109  
 DATE 08/04/14  
 OPERATOR'S WELL# CALDWELL UNIT #1H  
 API WELL # 47 - 085 - 10154  
 STATE COUNTY PERMIT

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.

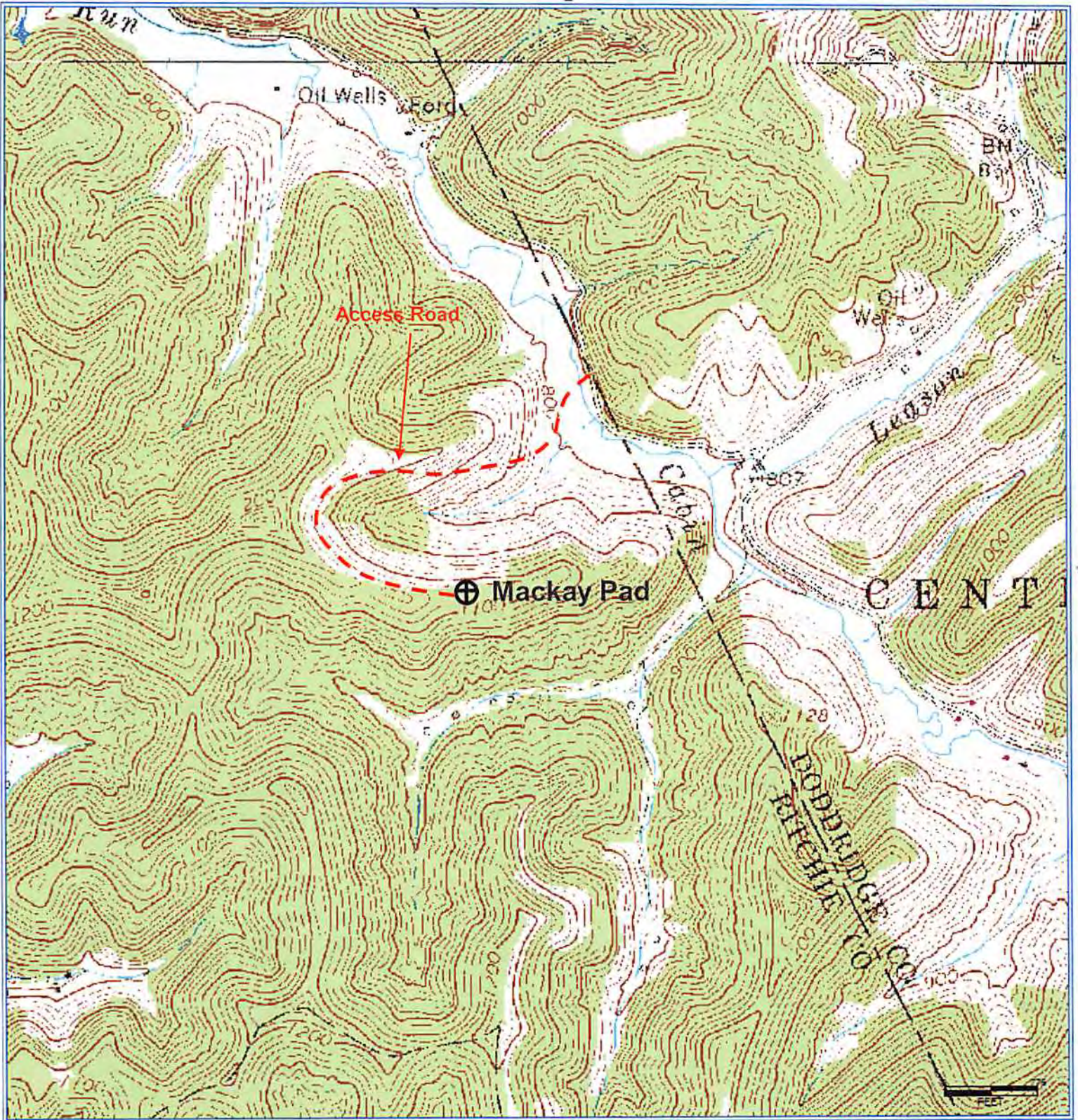


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
 WILLOW LAND SURVEYING PLLC  
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415



STATE OF WEST VIRGINIA DEPT. OF ENERGY DIVISION OF OIL AND GAS  
 WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1,099' WATERSHED CABIN RUN  
 QUADRANGLE PULLMAN 7.5' (TH) PENNSBORO 7.5' (BH) DISTRICT CLAY COUNTY RITCHIE  
 SURFACE OWNER JACK D. MACKAY ET AL ACREAGE 235.03 ACRES +/-  
 OIL & GAS ROYALTY OWNER WM. VANCAMPEN; ANN BATTA ET AL; M.B. NUTTER ET UX; LEASE ACREAGE 312 AC±; 111 AC±; 400 AC±;  
 EILEEN SHERRER ET AL 500 AC±  
 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 6,700' TVD 17,300' MD  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM  
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

09/26/2014



Received

AUG 21 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

**Antero Resources Corporation**

Appalachian Basin

Caldwell Unit

Ritchie County

Quadrangle: Pennsboro/Pullman

Watershed: North Fork Hughes River

District: Clay

Date: 3-10-2014