

LATITUDE 39°15'00"

6,296'

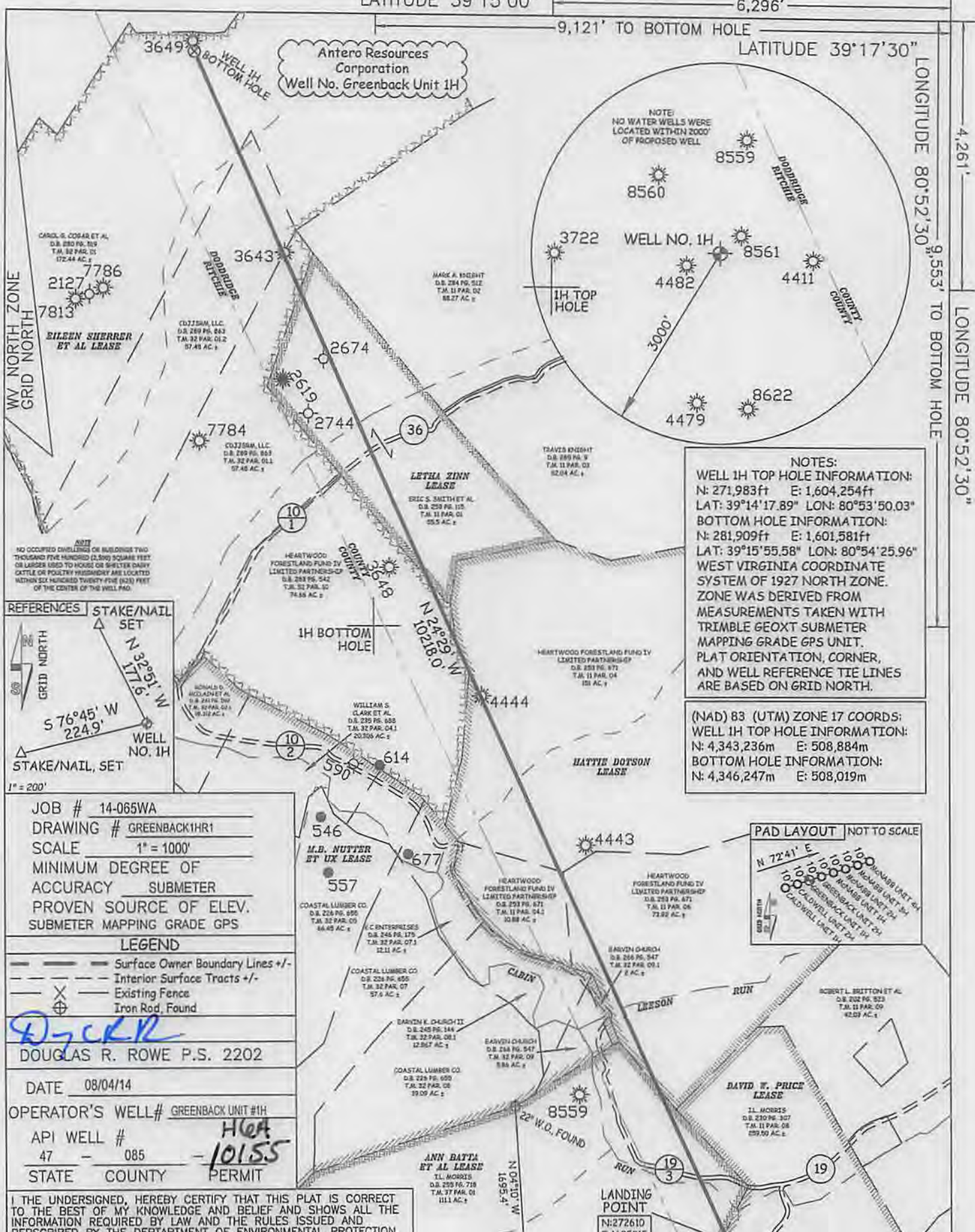
9,121' TO BOTTOM HOLE

LATITUDE 39°17'30"

LONGITUDE 80°52'30"

4,261'

LONGITUDE 80°52'30"



NOTES:  
 WELL 1H TOP HOLE INFORMATION:  
 N: 271,983ft E: 1,604,254ft  
 LAT: 39°14'17.89" LON: 80°53'50.03"  
 BOTTOM HOLE INFORMATION:  
 N: 281,909ft E: 1,601,581ft  
 LAT: 39°15'55.58" LON: 80°54'25.96"  
 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: 4,343,236m E: 508,884m  
 BOTTOM HOLE INFORMATION:  
 N: 4,346,247m E: 508,019m



JOB # 14-065WA  
 DRAWING # GREENBACK1HR1  
 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

*D. Rowe*  
 DOUGLAS R. ROWE P.S. 2202

DATE 08/04/14

OPERATOR'S WELL# GREENBACK UNIT #1H  
 API WELL # HGA 47 - 085 - 10155  
 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



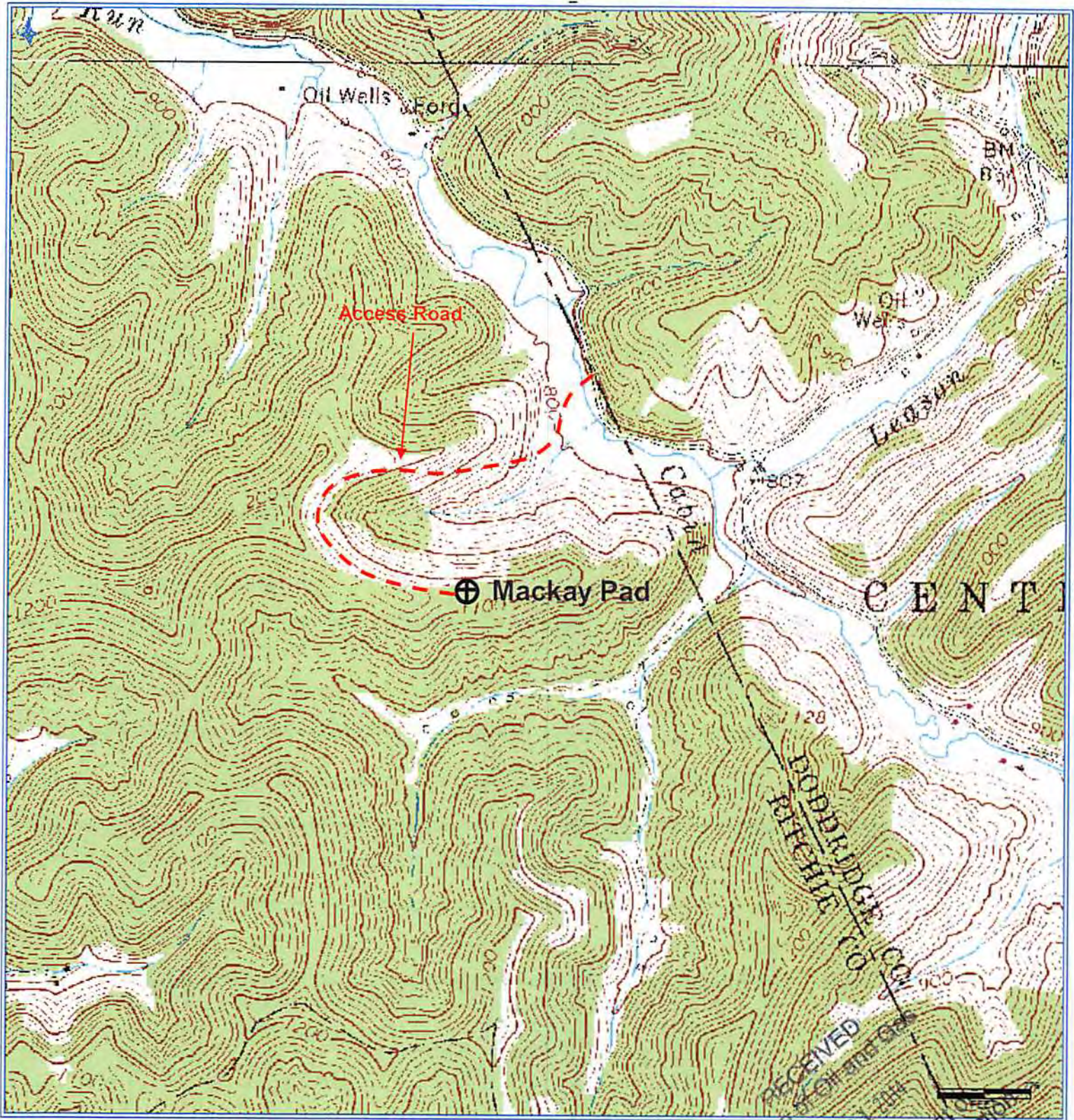
STATE OF WEST VIRGINIA DEPT. OF ENERGY DIVISION OF OIL AND GAS  
 WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1,099' WATERSHED CABIN RUN  
 QUADRANGLE PULLMAN 7.5' (TH) PENNSBORO 7.5' (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; DAVID W. PRICE; LEASE ACREAGE 312 AC±; 111 AC±; 105 AC±;  
 HATTIE DOTSON; EILEEN SHERRER ET AL; LETHA ZINN 240 AC±; 500 AC±; 55.5 AC±

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 6,700' TVD 17,600' 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

09/26/2014



**Antero Resources Corporation**  
 Appalachian Basin  
 Greenback Unit 1H & 2H (Mackay Pad)  
 Ritchie County

Quadrangle: Pullman 7.5' (TH), Pennsboro 7.5' (BH)  
 Watershed: Cabin Run  
 District: Clay  
 Date: 3-10-2014