

LATITUDE 39°15'00"

6,287'

8,452' TO BOTTOM HOLE

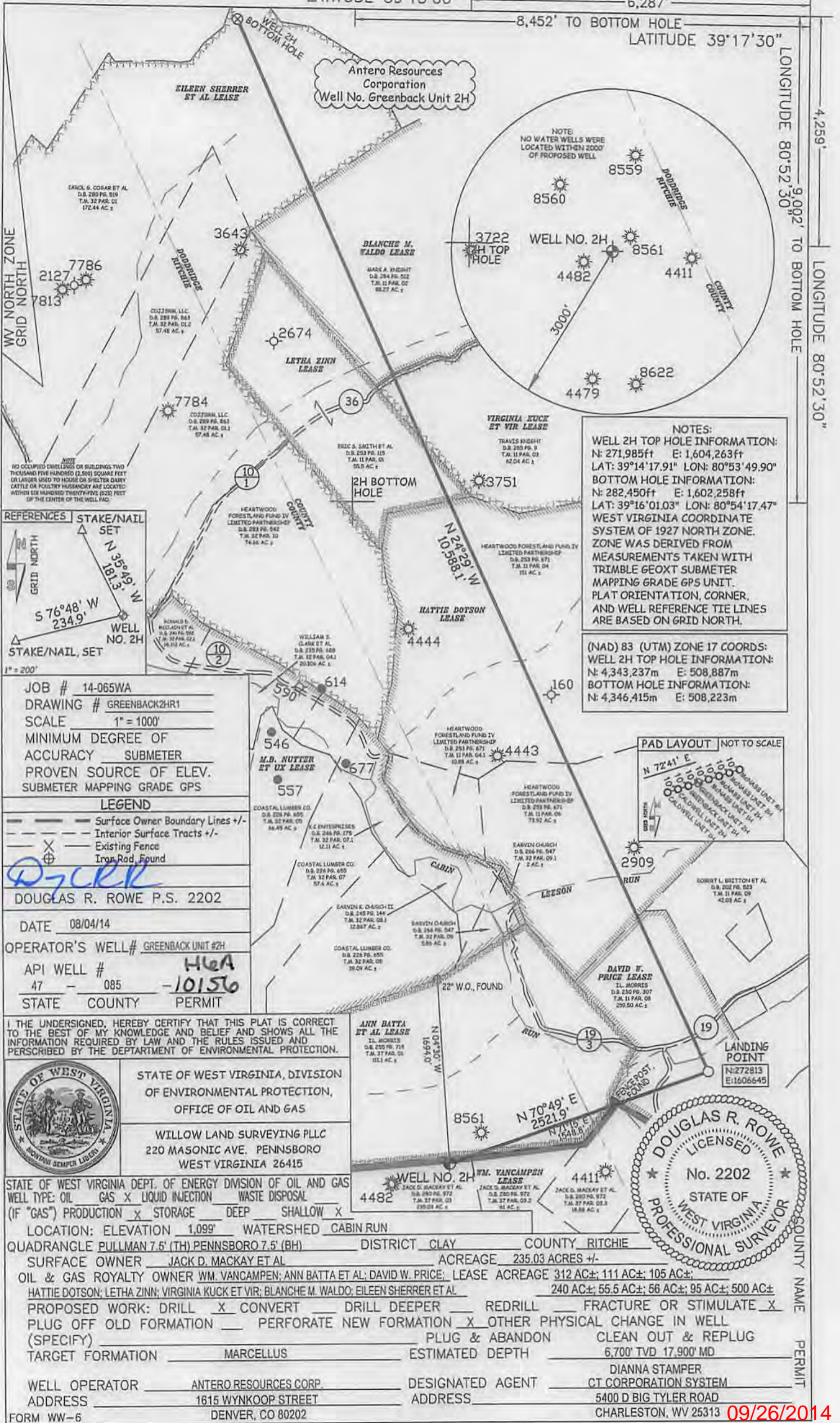
LATITUDE 39°17'30"

LONGITUDE 80°52'30"

4,259'

9,092' TO BOTTOM HOLE

LONGITUDE 80°52'30"



NOTES:
 WELL 2H TOP HOLE INFORMATION:
 N: 271,985ft E: 1,604,263ft
 LAT: 39°14'17.91" LON: 80°53'49.90"
 BOTTOM HOLE INFORMATION:
 N: 282,450ft E: 1,602,258ft
 LAT: 39°16'01.03" LON: 80°54'17.47"
 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: 4,343,237m E: 508,887m
 BOTTOM HOLE INFORMATION:
 N: 4,346,415m E: 508,223m



JOB # 14-065WA
 DRAWING # GREENBACK2HR1
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND

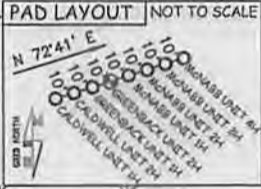
- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- Existing Fence
- Iron Rod Found

DOUGLAS R. ROWE P.S. 2202
 DATE 08/04/14
 OPERATOR'S WELL# GREENBACK UNIT #2H
 API WELL # 47 - 085 - 10156
 STATE COUNTY PERMIT

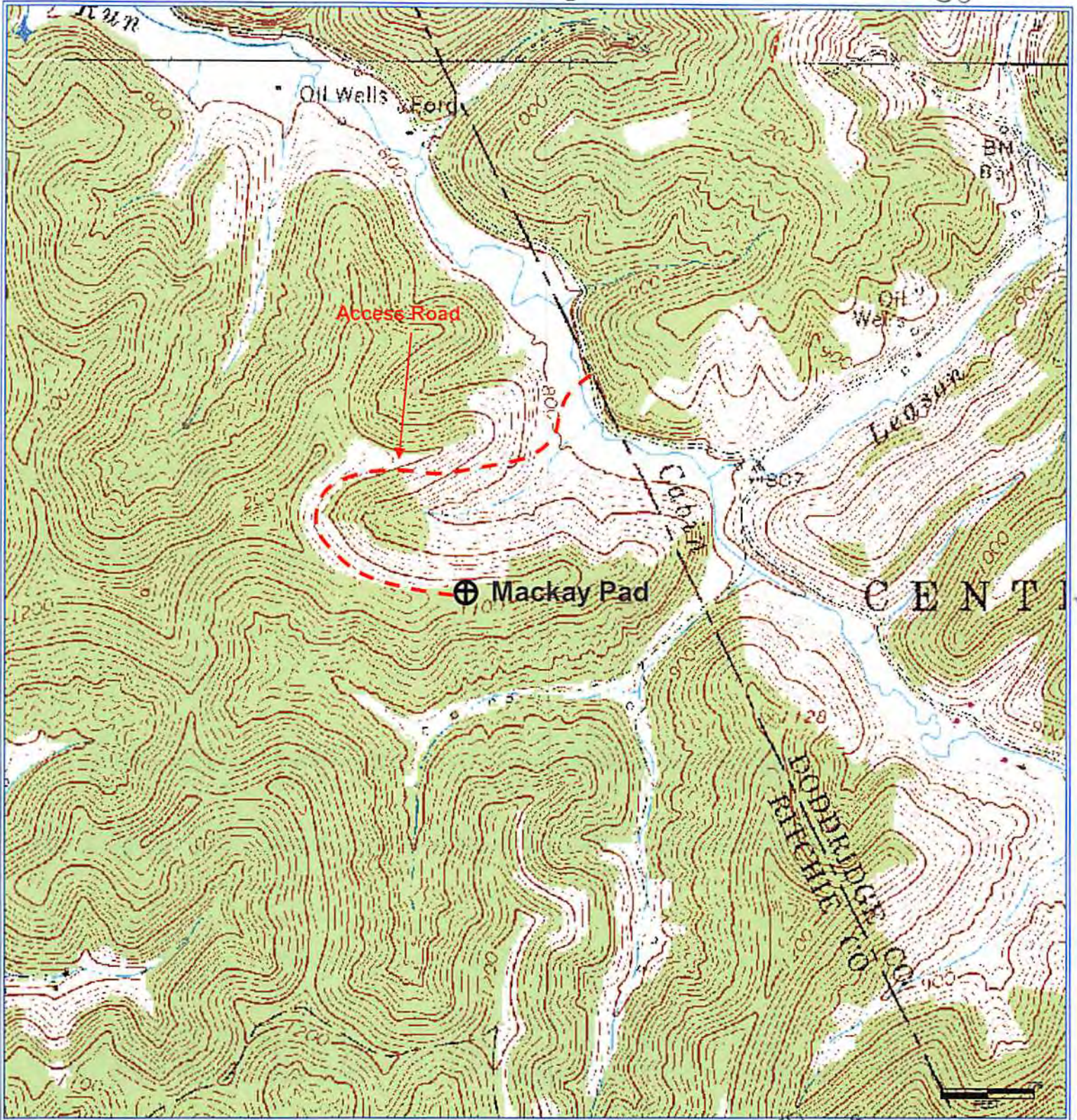
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

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 RITCHEE
 SURFACE OWNER JACK D. MACKAY ET AL ACREAGE 235.03 ACRES +/-
 OIL & GAS ROYALTY OWNER WM. VANCAMPEN; ANN BATT A ET AL; DAVID W. PRICE; LEASE ACREAGE 312 AC±; 111 AC±; 105 AC±;
 HATTIE DOTSON; LETHA ZINN; VIRGINIA KUCK ET VIR; BLANCHE M. WALDO; EILEEN SHERRER ET AL 240 AC±; 55.5 AC±; 56 AC±; 95 AC±; 500 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 17,900' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM
 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' (TN), Pennsboro 7.5' (BH)
 Watershed: Cabin Run
 District: Clay
 Date: 3-10-2014

RECEIVED
 Dept. of Oil and Gas
 WV Department of
 Environmental Protection