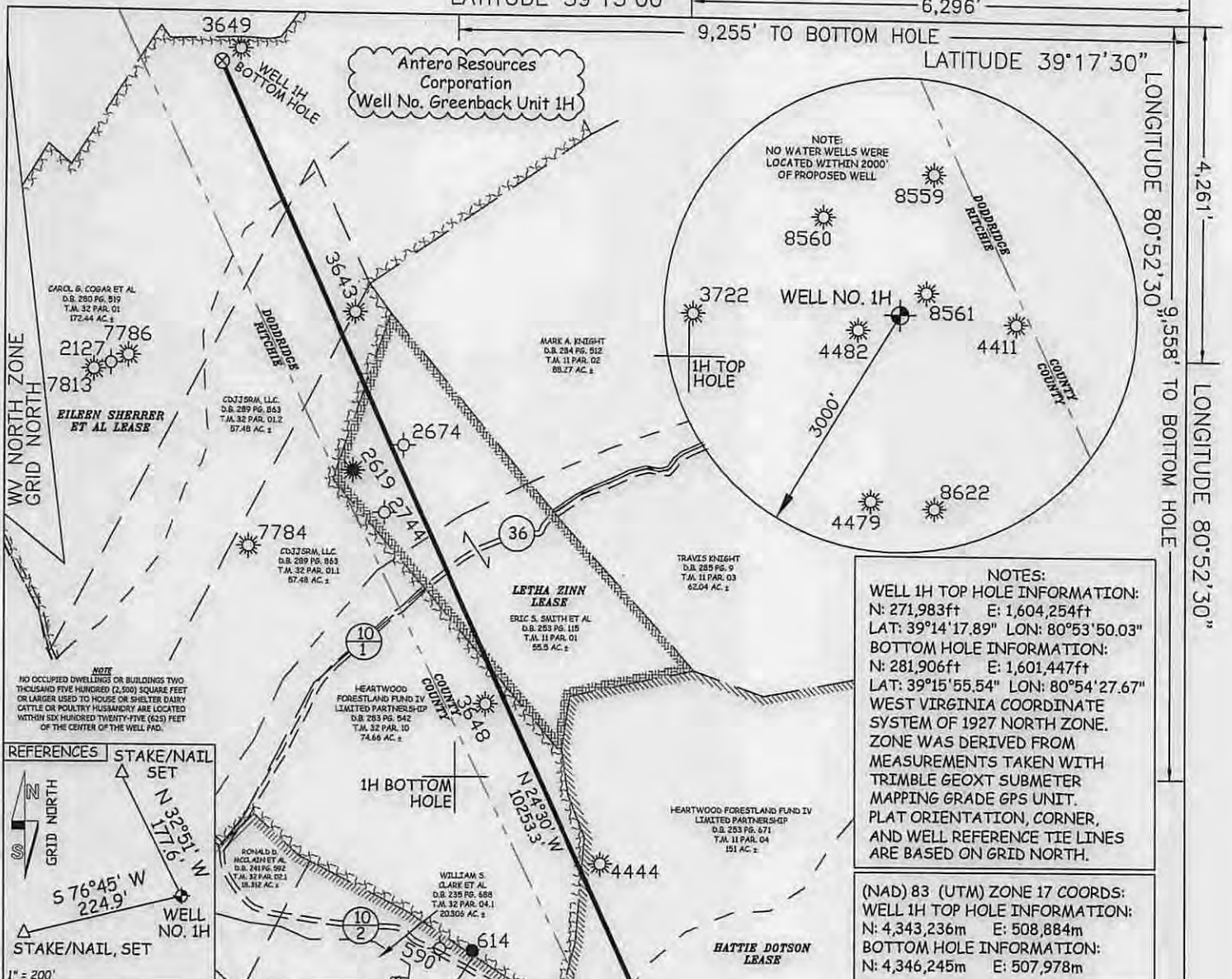


LATITUDE 39°15'00"

LATITUDE 39°17'30"



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: 281,906ft E: 1,601,447ft  
 LAT: 39°15'55.54" LON: 80°54'27.67"  
 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.

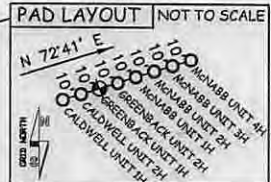
(NAD) 83 (UTM) ZONE 17 COORDS:  
 WELL 1H TOP HOLE INFORMATION:  
 N: 4,343,236m E: 508,884m  
 BOTTOM HOLE INFORMATION:  
 N: 4,346,245m E: 507,978m



JOB # 14-065WA  
 DRAWING # GREENBACK1HR2  
 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

DOUGLAS R. ROWE P.S. 2202  
 DATE 10/13/14  
 OPERATOR'S WELL# GREENBACK UNIT #1H  
 API WELL # 47 - 085 - 101.55  
 STATE COUNTY PERMIT

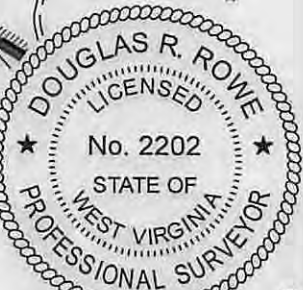


I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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; LEASE ACREAGE 312 AC±; 111 AC±;  
 HATTIE DOTSON; M.B. NUTTER; EILEEN SHERRER ET AL; LETHA ZINN 240 AC±; 400 AC±; 500 AC±; 55.5 AC±

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL  
 (SPECIFY) Permit MOD-BHL 1600' Spacing 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

COUNTY NAME PERMIT

06/19/2015