

LATITUDE 39°15'00"

6,316'

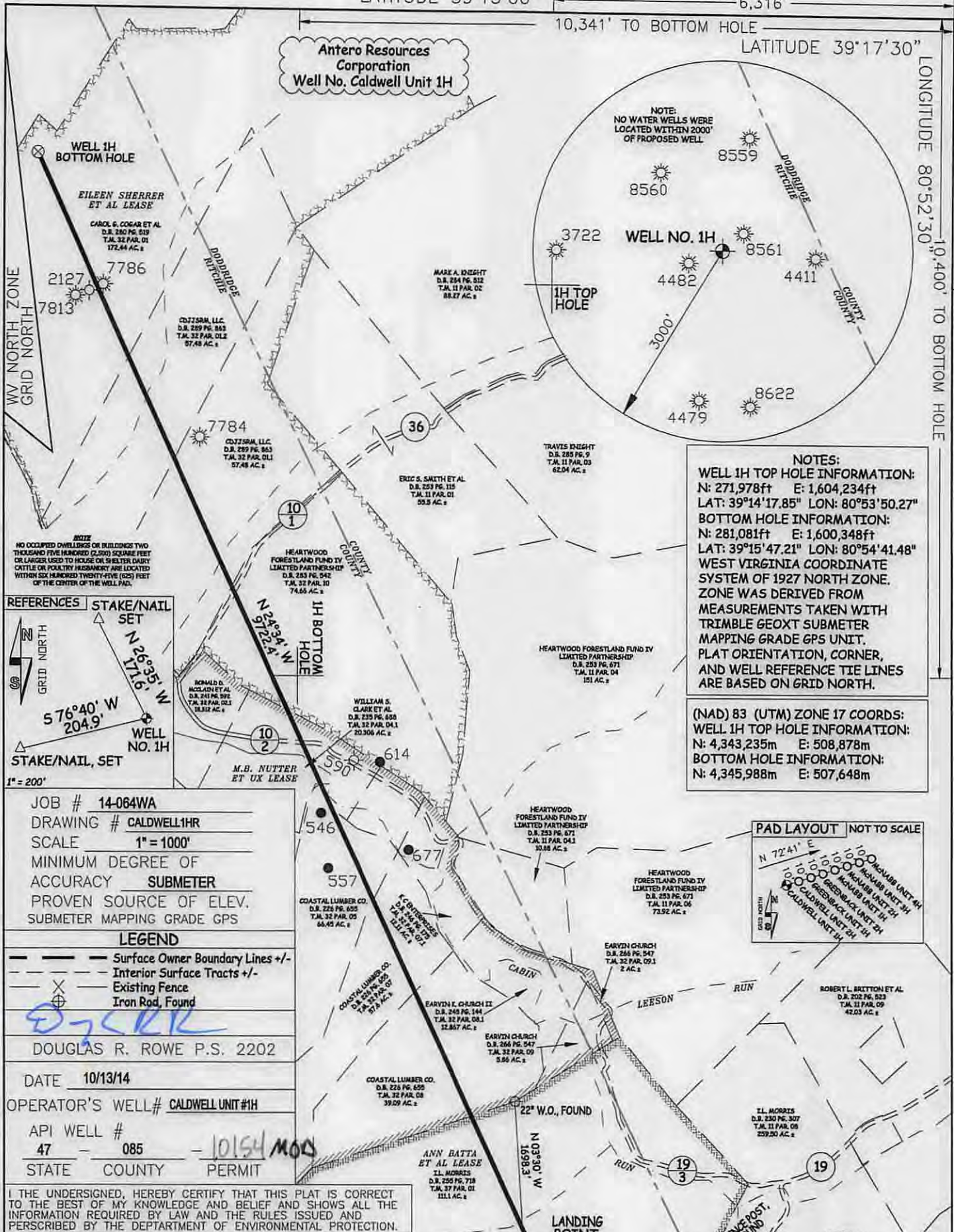
10,341' TO BOTTOM HOLE

LATITUDE 39°17'30"

LONGITUDE 80°52'30"

LONGITUDE 80°52'30"

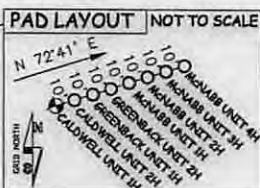
Antero Resources Corporation
Well No. Caldwell Unit 1H



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: 281,081ft E: 1,600,348ft
 LAT: 39°15'47.21" LON: 80°54'41.48"
 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: 4,343,235m E: 508,878m
BOTTOM HOLE INFORMATION:
 N: 4,345,988m E: 507,648m

NOTE:
 NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,000) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.



JOB # 14-064WA
 DRAWING # CALDWELL1HR
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

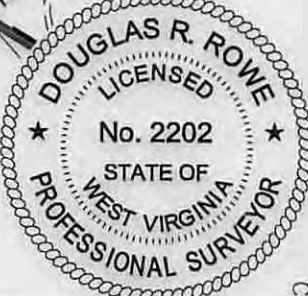
LEGEND
 - - - Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 X Existing Fence
 ⊕ Iron Rod, Found

DOUGLAS R. ROWE P.S. 2202
 DATE 10/13/14
 OPERATOR'S WELL# CALDWELL UNIT #1H
 API WELL # 47 - 085 - 10154 MOD
 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) Permit Mod - BFL - 660' Spacing PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,700' TVD 17,000' 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

06/19/2015