

LATITUDE 39°15'00"

7,928'

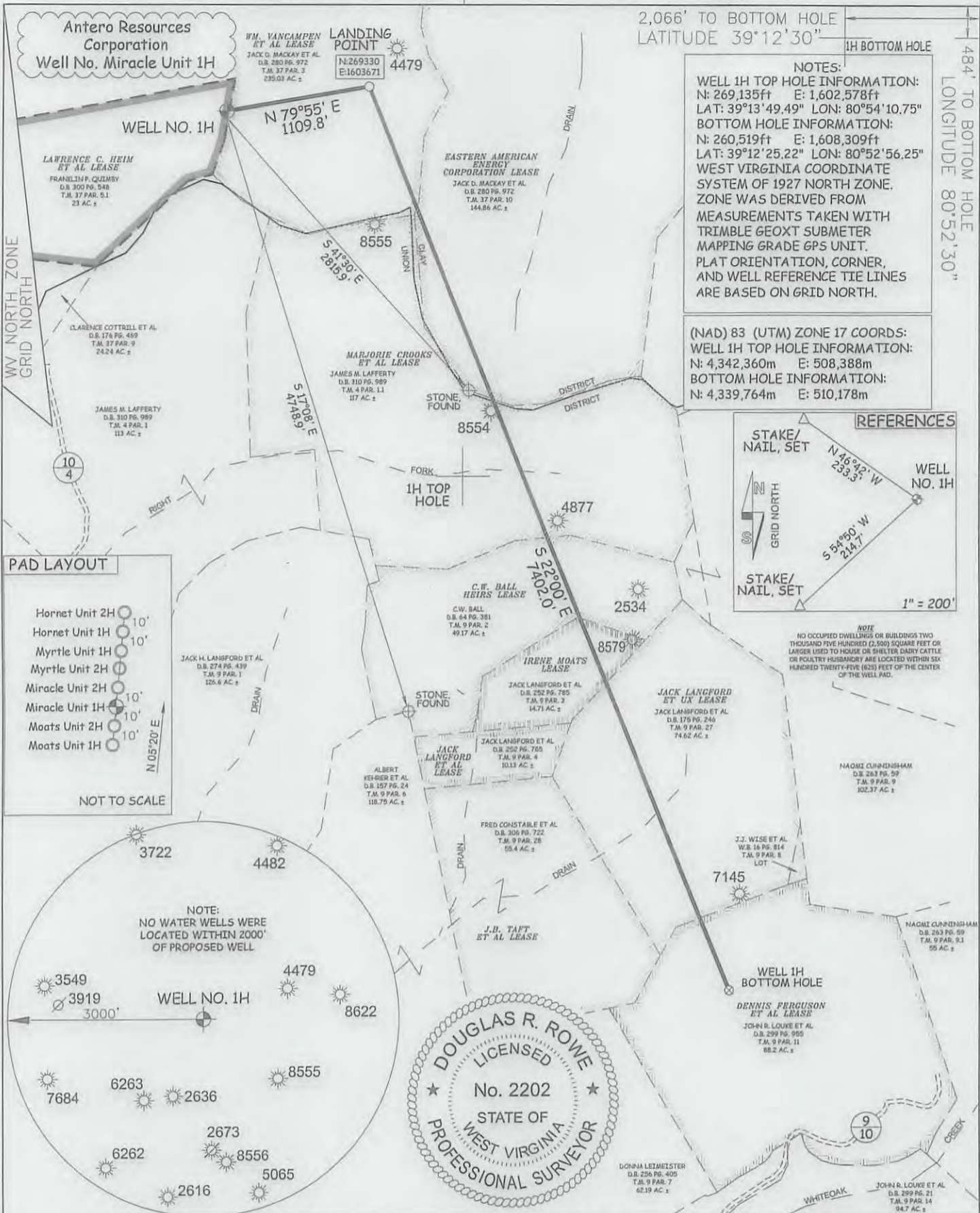
2,066' TO BOTTOM HOLE
LATITUDE 39°12'30"

1H BOTTOM HOLE

LONGITUDE 80°52'30"

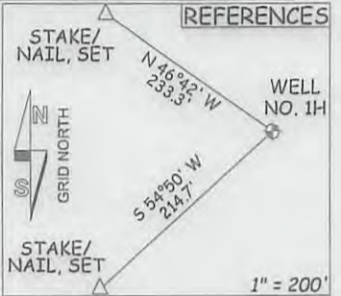
7,134'

LONGITUDE 80°52'30"

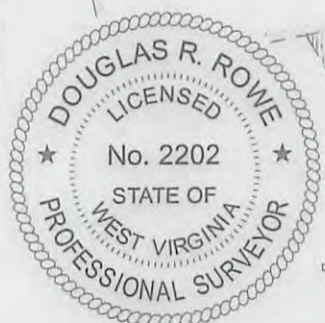
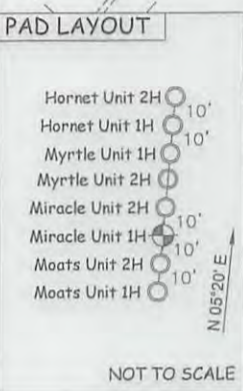


NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 269,135ft E: 1,602,578ft
 LAT: 39°13'49.49" LON: 80°54'10.75"
 BOTTOM HOLE INFORMATION:
 N: 260,519ft E: 1,608,309ft
 LAT: 39°12'25.22" LON: 80°52'56.25"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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: 4,342,360m E: 508,388m
 BOTTOM HOLE INFORMATION:
 N: 4,339,764m E: 510,178m



NOTE
 NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELDER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

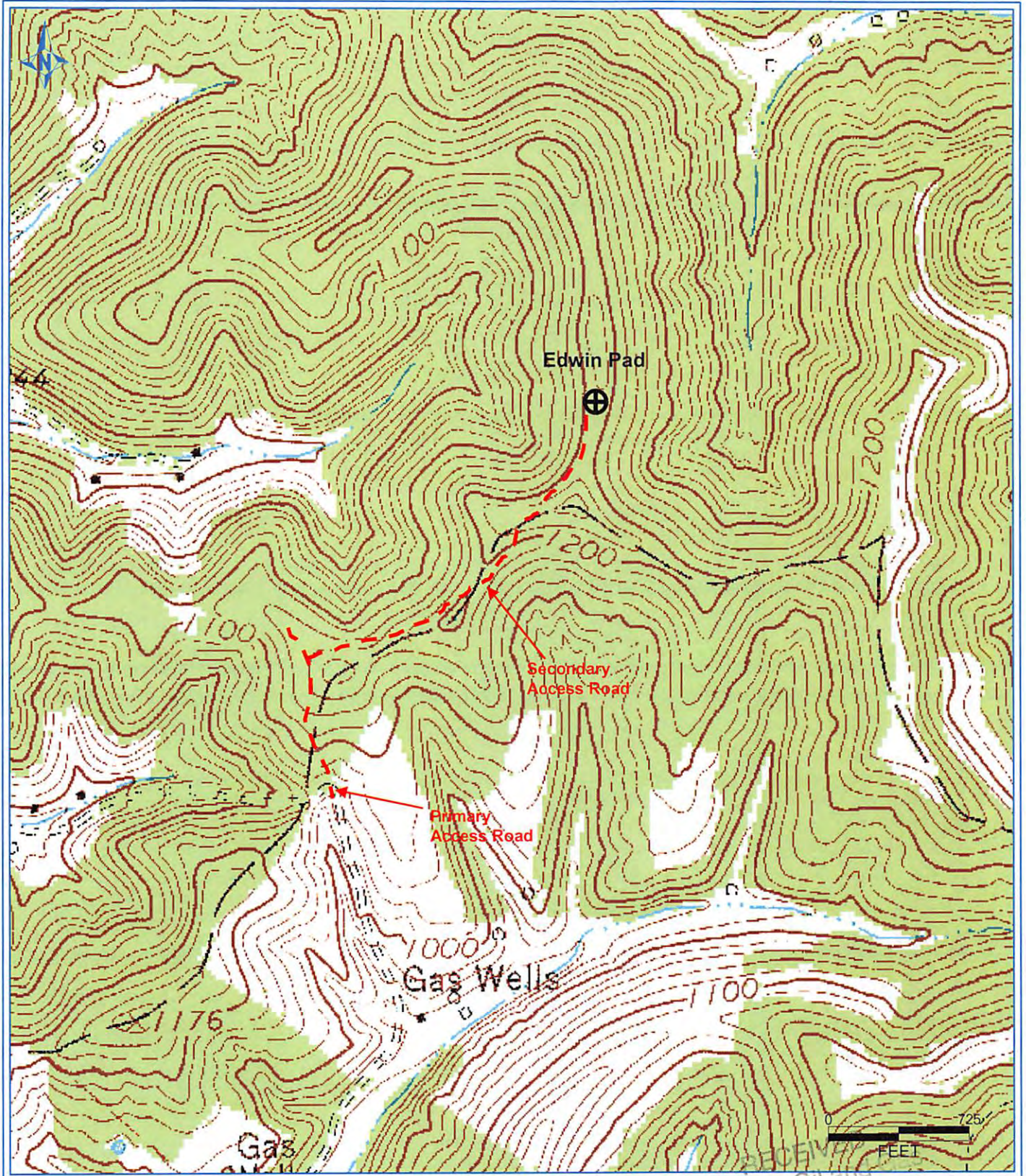


JOB # 13-050WA
 DRAWING # MIRACLE1H
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS
 STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
 WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 1,191' WATERSHED TRIBUTARY OF CABIN RUN
 QUADRANGLE PULLMAN 7.5' DISTRICT CLAY (TH) UNION (BH) COUNTY RITCHIE
 SURFACE OWNER FRANKLIN P. QUIMBY ACREAGE 23 ACRES +/-
 OIL & GAS ROYALTY OWNER LAWRENCE C. HEIM ET AL; WM. VANCAMPEN ET AL; LEASE ACREAGE 53 AC±; 312 AC±;
 EASTERN AMERICAN ENERGY CORP.; MARJORIE CROOKS ET AL.; C.W. BALL HEIRS; IRENE MOATS; JACK LANGFORD ET UX; DENNIS FERGUSON ET AL 145 AC±; 117 AC±; 49.27 AC±; 14.71 AC±; 74 AC±; 88 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 WELLBORE
 (SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,900' TVD, 14,800' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313

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



LEGEND
 - - - Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 X Existing Fence
 ⊕ Rebar, Found
 DOUGLAS R. ROWE P.S. 2202
 DATE 11/20/13
 OPERATOR'S WELL# MIRACLE UNIT #1H
 API WELL # 47 085 10078 H6A
 STATE COUNTY PERMIT
 COUNTY NAME PERMIT
 CHARLESTON, WV 25313



DFTR4 RIG/2013 2:27:35 PM

Antero Resources Corporation
 Appalachian Basin
 Miracle Unit 1H
 Ritchie County

Office of Oil and Gas
 WV Department of Environmental Protection
 RECEIVED
 NOV 9 2013

Quadrangle: Pullman
 Watershed: Little Kanawha
 District: Clay
 Date: 8-9-2013