

LATITUDE 39°15'00"

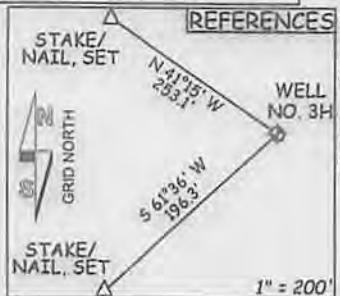
7,931'

5,314' TO BOTTOM HOLE
LATITUDE 39°15'00"

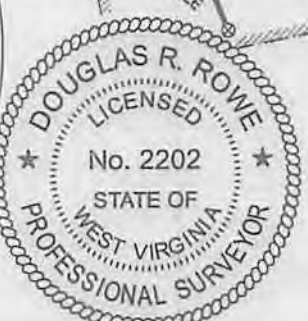
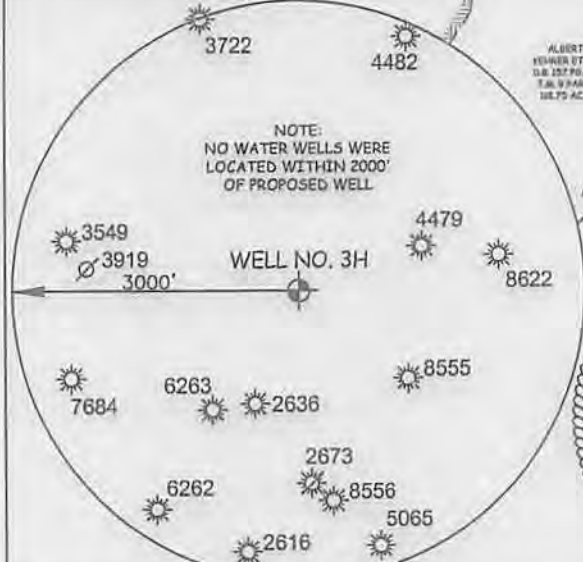
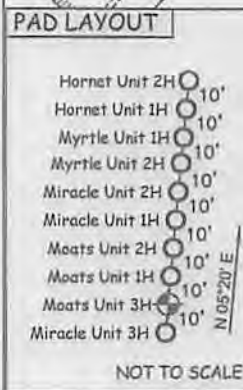
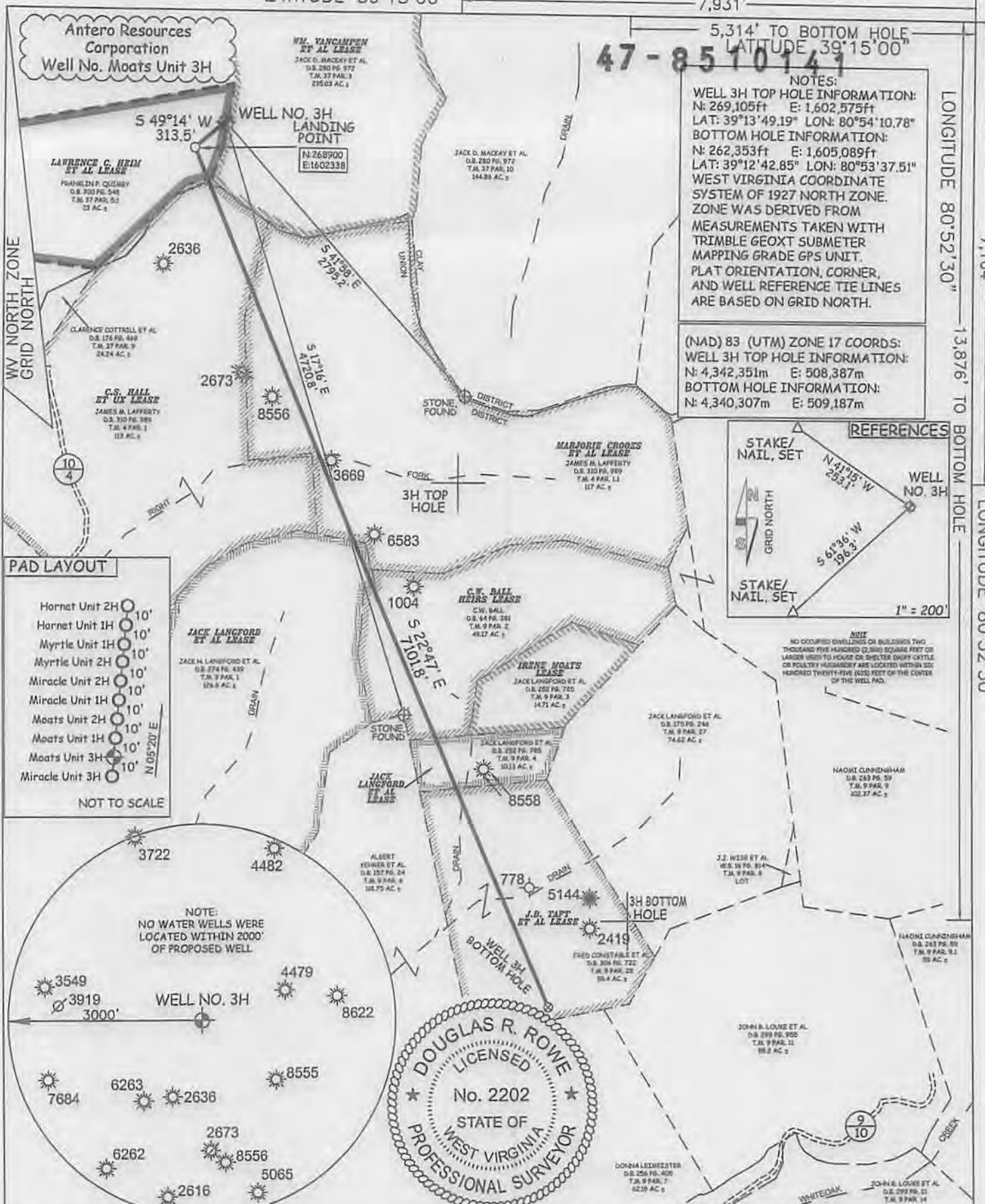
47-8510141

NOTES:
 WELL 3H TOP HOLE INFORMATION:
 N: 269,105ft E: 1,602,575ft
 LAT: 39°13'49.19" LON: 80°54'10.78"
 BOTTOM HOLE INFORMATION:
 N: 262,353ft E: 1,605,089ft
 LAT: 39°12'42.85" LON: 80°53'37.51"
 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 3H TOP HOLE INFORMATION:
 N: 4,342,351m E: 508,387m
 BOTTOM HOLE INFORMATION:
 N: 4,340,307m E: 509,187m



NOTE
 NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,000) SQUARE FEET OR LARGER VESTIBULE OR SHELTER OR ANY CHICKEN OR POULTRY HUSBANDRY ARE LOCATED WITHIN ONE HUNDRED TWENTY-FIVE (125) FEET OF THE CENTER OF THE WELL PAD.



JOB # 13-051WA
 DRAWING # MOATS3HR2
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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

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

DOUGLAS R. ROWE P.S. 2202

DATE 07/01/14
 OPERATOR'S WELL# MOATS UNIT #3H

API WELL# 47-8510141
 STATE COUNTY PERMIT

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

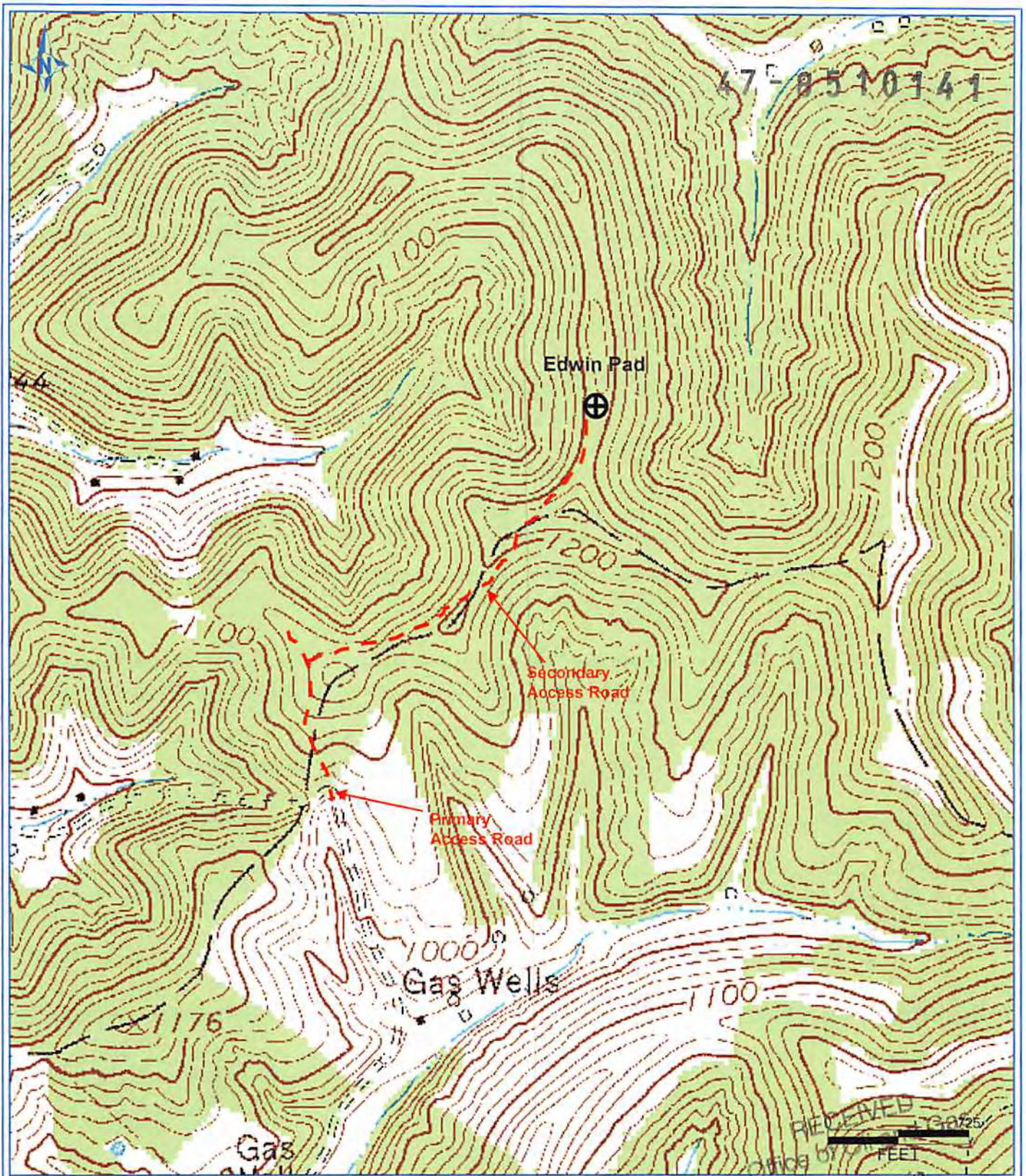
QUADRANGLE PULLMAN 7.5' DISTRICT CLAY (TH) UNION (RH) COUNTY RITCHIE

SURFACE OWNER FRANKLIN P. QUIMBY ACREAGE 23 ACRES +/-
 OIL & GAS ROYALTY OWNER LAWRENCE C. HEIM ET AL; C.S. HALL ET UX; LEASE ACREAGE 53 AC +/- 113 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 6,900' TVD 14,300' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM
 DENVER, CO 80202 CHARLESTON, WV 25310

DATE 09/26/2014
 COUNTY RITCHIE
 PERMIT



DPTGA.RIG/2013.2.27.35.DM

Antero Resources Corporation
 Appalachian Basin
 Moats Unit 3H
 Ritchie County
 West Virginia Department of Environmental Protection

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