

LATITUDE 39°15'00"

7,930'

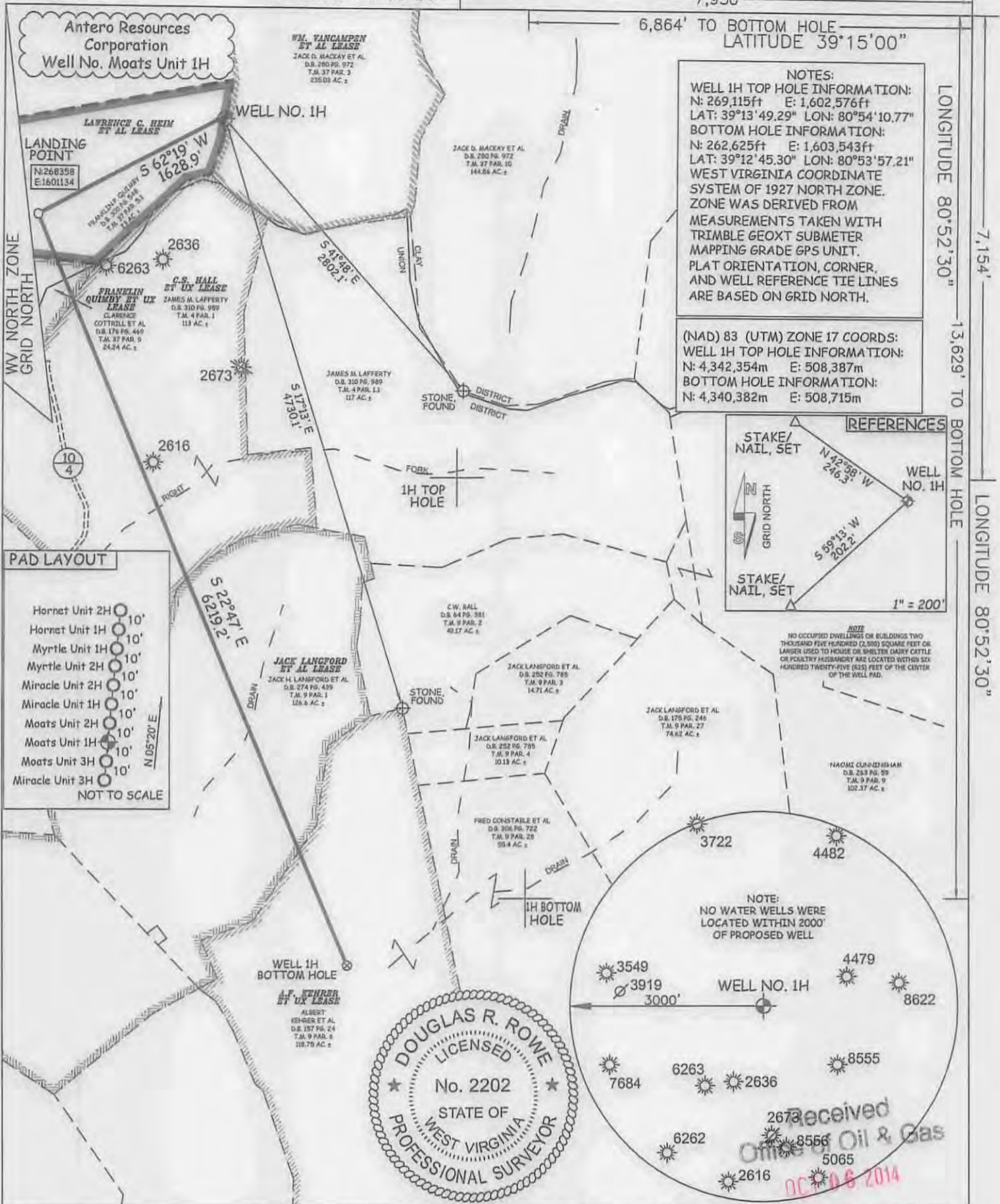
6,864' TO BOTTOM HOLE
LATITUDE 39°15'00"

LONGITUDE 80°52'30"

7.154'

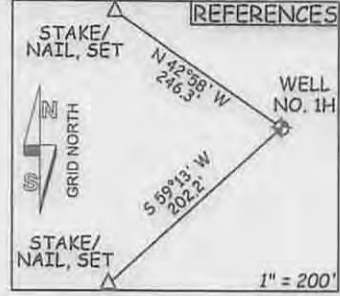
13,629' TO BOTTOM HOLE

LONGITUDE 80°52'30"

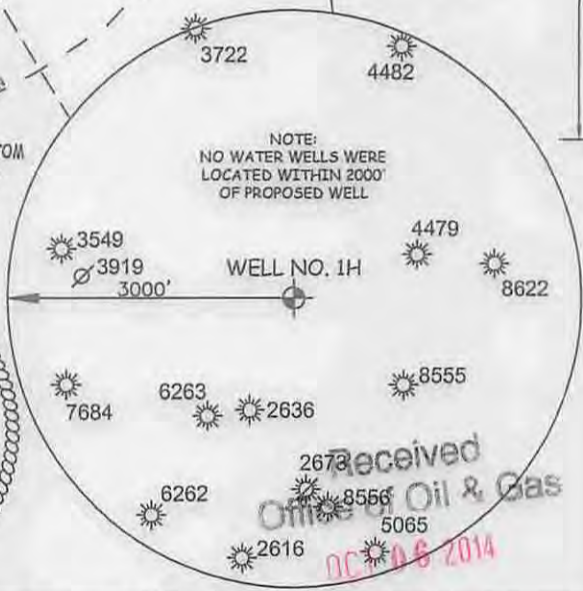
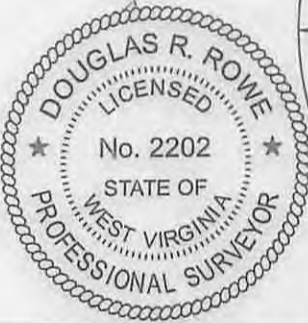


NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 269,115ft E: 1,602,576ft
 LAT: 39°13'49.29" LON: 80°54'10.77"
 BOTTOM HOLE INFORMATION:
 N: 262,625ft E: 1,603,543ft
 LAT: 39°12'45.30" LON: 80°53'57.21"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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: 4,342,354m E: 508,387m
 BOTTOM HOLE INFORMATION:
 N: 4,340,382m E: 508,715m

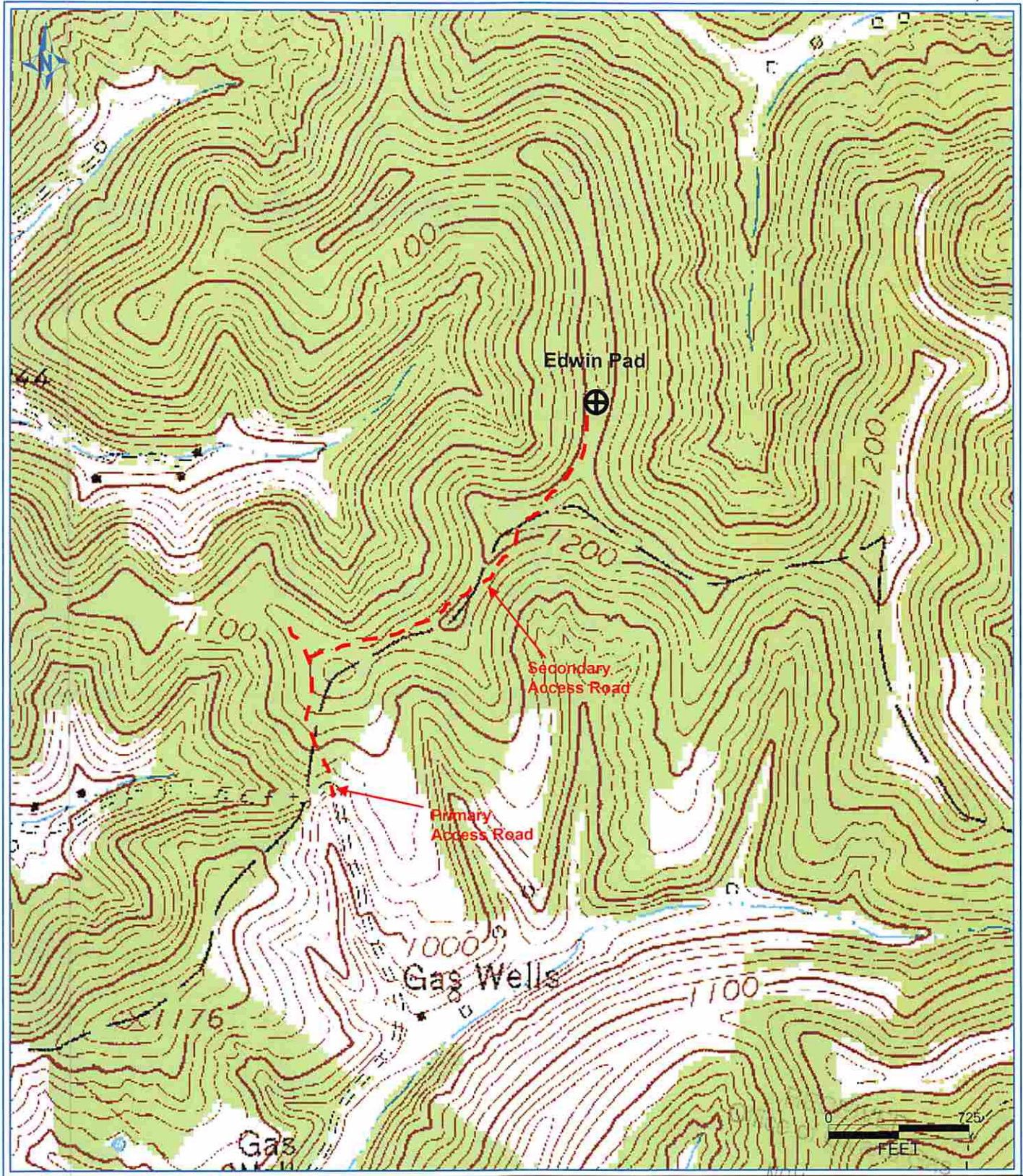


- PAD LAYOUT**
- Hornet Unit 2H 10'
 - Hornet Unit 1H 10'
 - Myrtle Unit 1H 10'
 - Myrtle Unit 2H 10'
 - Miracle Unit 2H 10'
 - Miracle Unit 1H 10'
 - Moats Unit 2H 10'
 - Moats Unit 1H 10'
 - Moats Unit 3H 10'
 - Miracle Unit 3H 10'
- NOT TO SCALE



JOB # 13-051WA DRAWING # MOATS1HR3 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.		LEGEND - - - Surface Owner Boundary Lines +/- - - - Interior Surface Tracts +/- X Existing Fence ⊕ Rebar, Found DZR DOUGLAS R. ROWE P.S. 2202	
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS WELL TYPE: OIL ___ GAS <input checked="" type="checkbox"/> LIQUID INJECTION ___ WASTE DISPOSAL ___ (IF "GAS") PRODUCTION <input checked="" type="checkbox"/> STORAGE ___ DEEP ___ SHALLOW <input checked="" type="checkbox"/> LOCATION: ELEVATION 1,191' WATERSHED TRIBUTARY OF CABIN RUN QUADRANGLE PULLMAN 7.5' DISTRICT CLAY (TH) UNION (BH) COUNTY RITCHIE		STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WILLOW LAND SURVEYING PLLC 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415		DATE 07/01/14 OPERATOR'S WELL# MOATS UNIT #1H API WELL # 47 - 085 - 10079 STATE COUNTY PERMIT	
SURFACE OWNER FRANKLIN P. QUIMBY ACREAGE 23 ACRES +/- OIL & GAS ROYALTY OWNER LAWRENCE C. HEIM ET AL; FRANKLIN QUIMBY ET UX; LEASE ACREAGE 53 AC±; 28.4289 AC±; C.S. HALL ET UX; JACK LANGFORD ET AL.; A.F. KEHRER ET UX 113 AC±; 448.5 AC±; 118.75 AC±		PROPOSED WORK: DRILL <input checked="" type="checkbox"/> CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION <input checked="" type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY) <u>Permit Modification - Spacing, BHL</u> PLUG & ABANDON CLEAN OUT & REPLUG TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,900' TVD 13,800' 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	

01/09/2015



DETRA 8/6/2013 2:27:35 PM

Antero Resources Corporation
 Appalachian Basin
 Moats Unit 1H
 Ritchie County

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