

LATITUDE 39°15'00"

7,928'

4,309' TO BOTTOM HOLE

LATITUDE 39°15'00"

LONGITUDE 80°52'30"

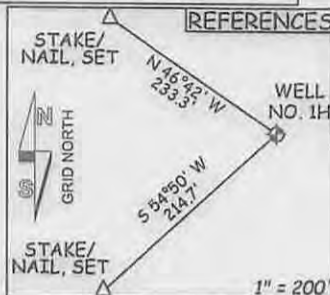
7,134'

13,952' TO BOTTOM HOLE

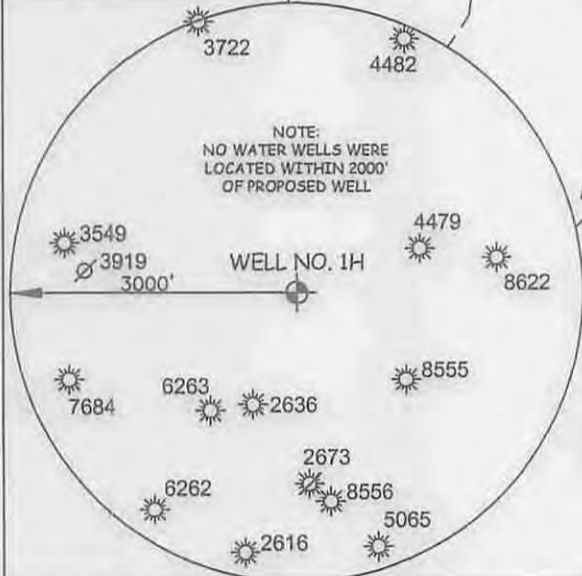
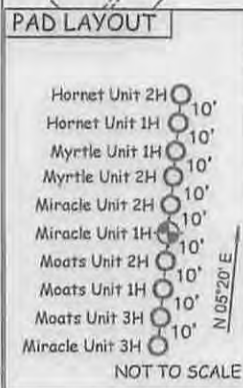
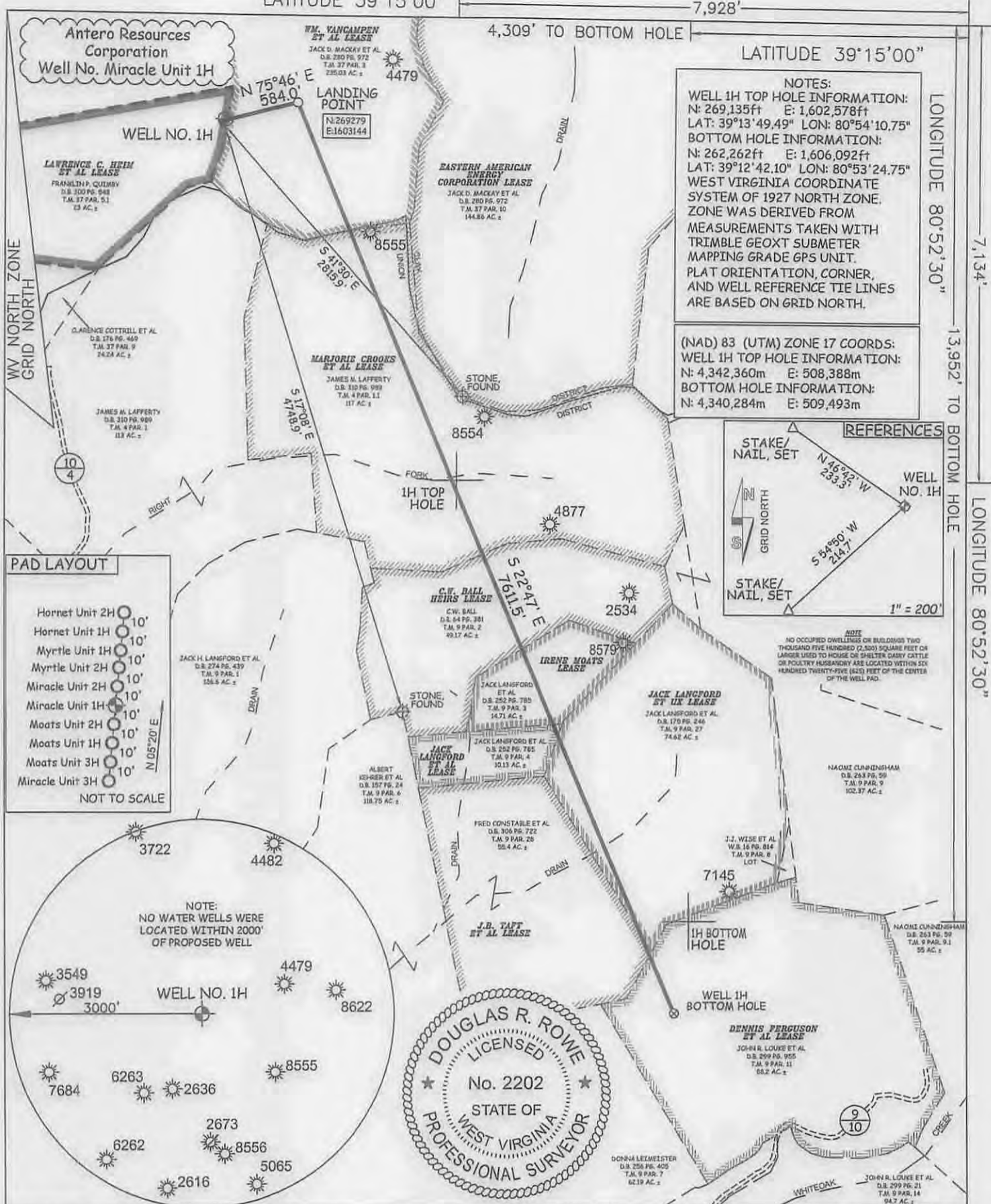
LONGITUDE 80°52'30"

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: 262,262ft E: 1,606,092ft
 LAT: 39°12'42.10" LON: 80°53'24.75"
 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.

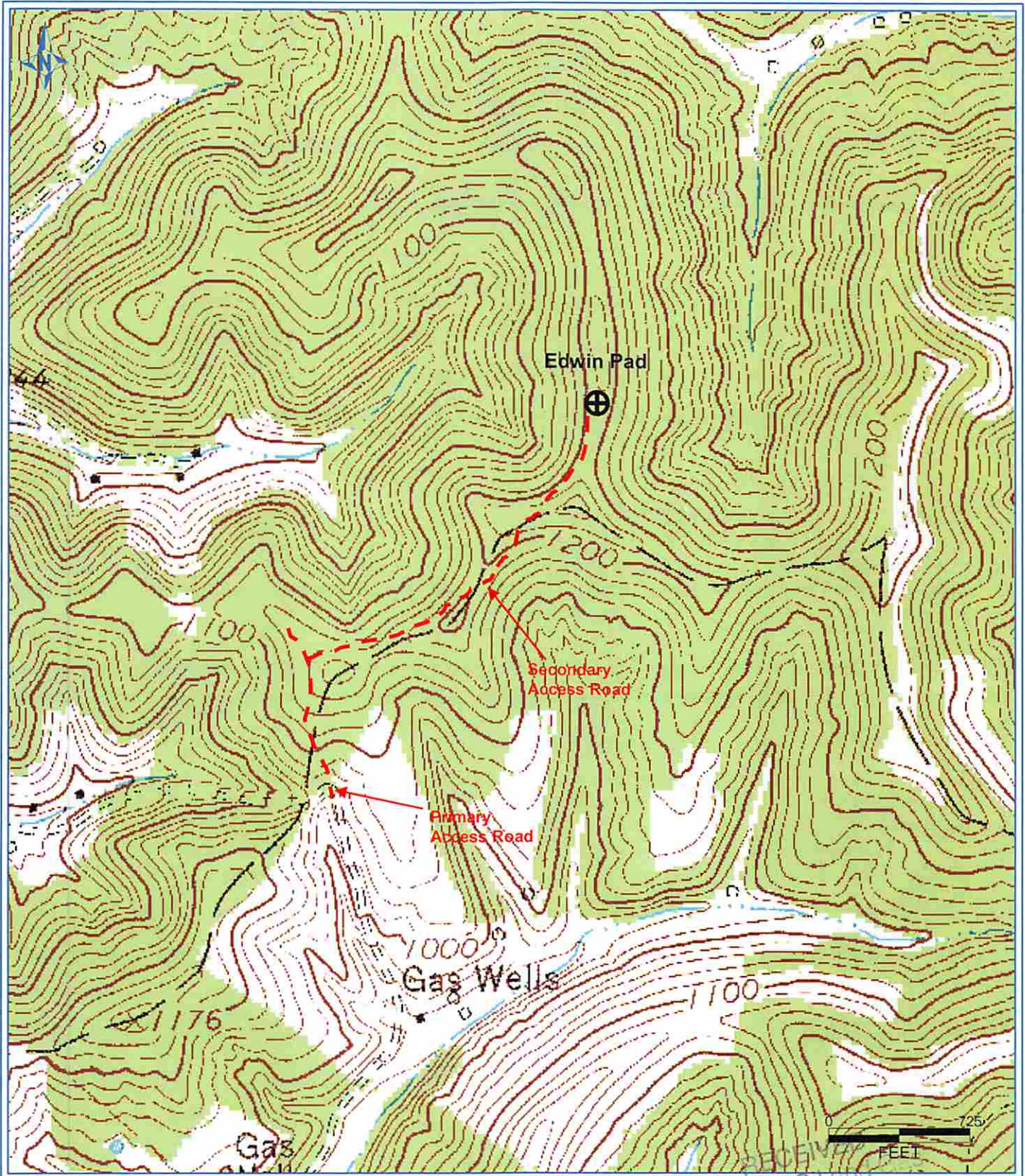
(NAD) 83 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 4,342,360m E: 508,388m
 BOTTOM HOLE INFORMATION:
 N: 4,340,284m E: 509,493m



NOTE:
 NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) 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 # 13-050WA	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 PRESCRIBED 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
DRAWING # MIRACLE1HR3			--- Surface Owner Boundary Lines +/- - - - Interior Surface Tracts +/- X Existing Fence Rebar, Found
SCALE 1" = 1000'	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±; MARJORIE CROOKS ET AL; C.W. BALL HEIRS; IRENE MOATS; JACK LANGFORD ET AL; JACK LANGFORD ET AL; J.B. TAFT ET AL; DENNIS FERGUSON ET AL 117 AC±; 49.27 AC±; 14.71 AC±; 10 AC±; 74 AC±; 57 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 WELL (SPECIFY) <u>Permit Modification - Spacing B.H.</u> PLUG & ABANDON CLEAN OUT & REPLUG TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,900' TVD 14,800' MD	DATE 07/01/14	
MINIMUM DEGREE OF ACCURACY SUBMETER		OPERATOR'S WELL# MIRACLE UNIT #1H API WELL # 47 - 085 - 10078 STATE COUNTY PERMIT	DOUGLAS R. ROWE P.S. 2202
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS	WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM ADDRESS 1615 WYNKOPOP STREET ADDRESS 5400 D BIG TYLER ROAD FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25310	COUNTY NAME RITCHIE PERMIT 01/09/2015	



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Antero Resources Corporation
Appalachian Basin
Miracle Unit 1H
Ritchie County
Quadrangle: Pullman
Watershed: Little Kanawha
District: Clay
Date: 8-9-2013