

LATITUDE 39°27'30"

10,887'

LATITUDE 39°25'00"

7,159' TO BOTTOM HOLE

5,658' TO BOTTOM HOLE

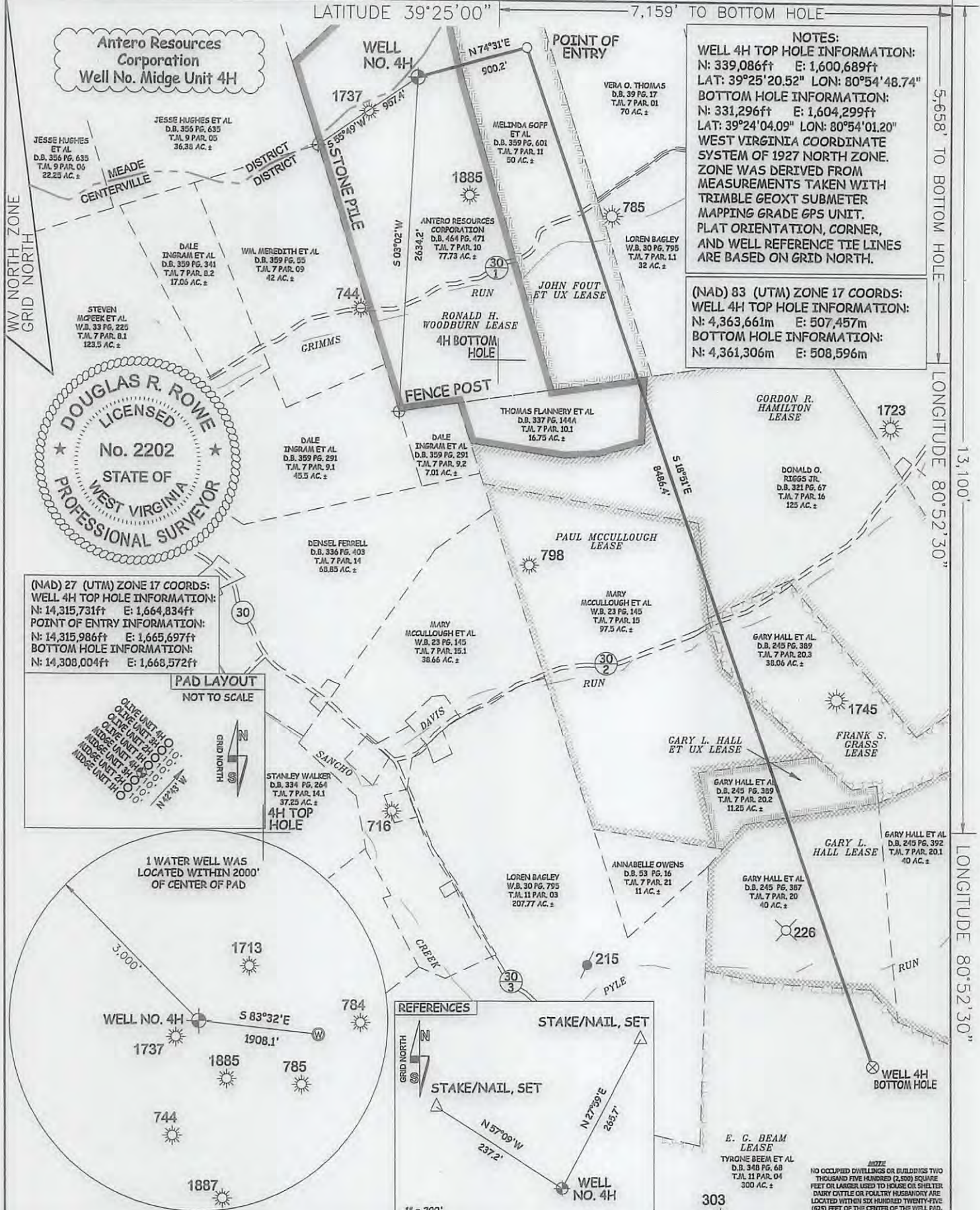
13,100'

LONGITUDE 80°52'30"

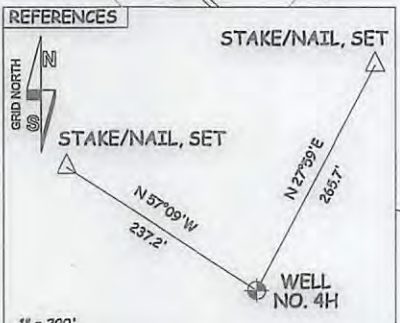
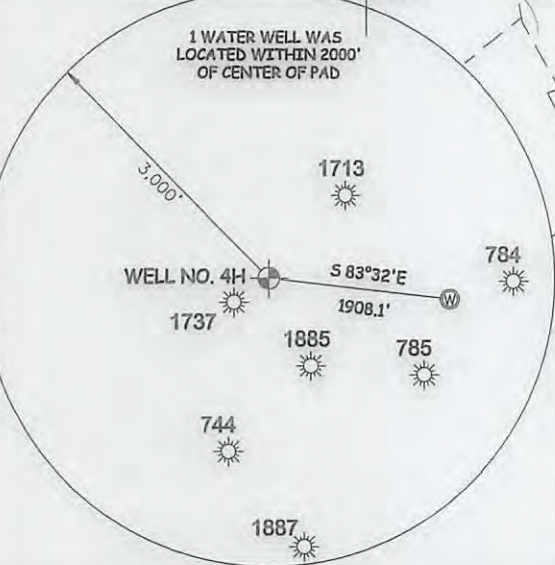
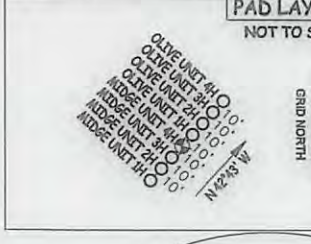
Antero Resources Corporation Well No. Midge Unit 4H

NOTES:
 WELL 4H TOP HOLE INFORMATION:
 N: 339,086ft E: 1,600,689ft
 LAT: 39°25'20.52" LON: 80°54'48.74"
 BOTTOM HOLE INFORMATION:
 N: 331,296ft E: 1,604,299ft
 LAT: 39°24'04.09" LON: 80°54'01.20"
 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 4H TOP HOLE INFORMATION:
 N: 4,363,661m E: 507,457m
 BOTTOM HOLE INFORMATION:
 N: 4,361,306m E: 508,596m



(NAD) 27 (UTM) ZONE 17 COORDS:
 WELL 4H TOP HOLE INFORMATION:
 N: 14,315,731ft E: 1,664,834ft
 POINT OF ENTRY INFORMATION:
 N: 14,315,986ft E: 1,665,697ft
 BOTTOM HOLE INFORMATION:
 N: 14,308,004ft E: 1,668,572ft



NOTE: NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR FOLICULARY HUSBANDRY ARE LOCATED WITHIN 500 HUNDRED TWENTY-FIVE (525) FEET OF THE CENTER OF THE WELL PAD.

JOB # 16-028WA
 DRAWING # MIDGE4H
 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

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.

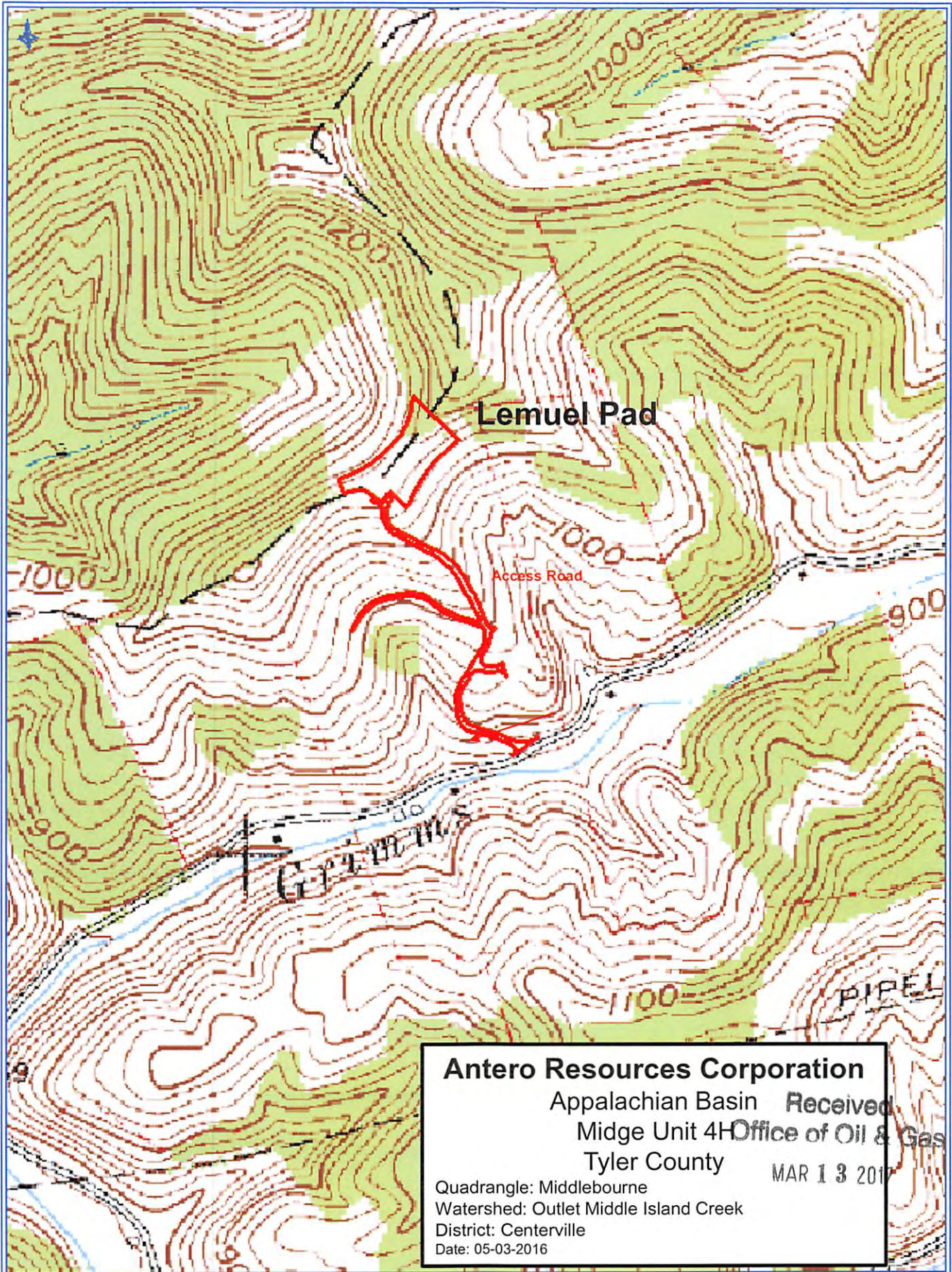


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

LEGEND
 --- Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 - x - x - Existing Fence
 ⊕ Found monument, as noted
 DOUGLAS R. ROWE P.S. 2202
 DATE 08/17/16
 OPERATOR'S WELL# MIDGE UNIT #4H 46A

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1,171' - ORIGINAL 1,158' - PROPOSED WATERSHED OUTLET MIDDLE ISLAND CREEK
 QUADRANGLE MIDDLEBOURNE 7.5' DISTRICT CENTERVILLE COUNTY TYLER
 SURFACE OWNER ANTERO RESOURCES CORPORATION ACREAGE 77.73 ACRES +/-
 OIL & GAS ROYALTY OWNER RONALD H. WOODBURN; JOHN FOUT ET UX; GORDON R. HAMILTON; LEASE ACREAGE 94 AC±; 50 AC±; 125 AC±;
 PAUL MCCULLOUGH; FRANK S. GRASS; GARY L. HALL ET UX; GARY L. HALL; E. G. BEAM 97.5 AC±; 38.06 AC±; 12 AC±; 80 AC±; 317 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 6,800' TVD 15,800' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313

06/23/2017



Antero Resources Corporation

Appalachian Basin **Received**
Midge Unit 4 **Office of Oil & Gas**
Tyler County **MAR 13 2017**

Quadrangle: Middlebourne
Watershed: Outlet Middle Island Creek
District: Centerville
Date: 05-03-2016