

LATITUDE 39°27'30"

8,188'

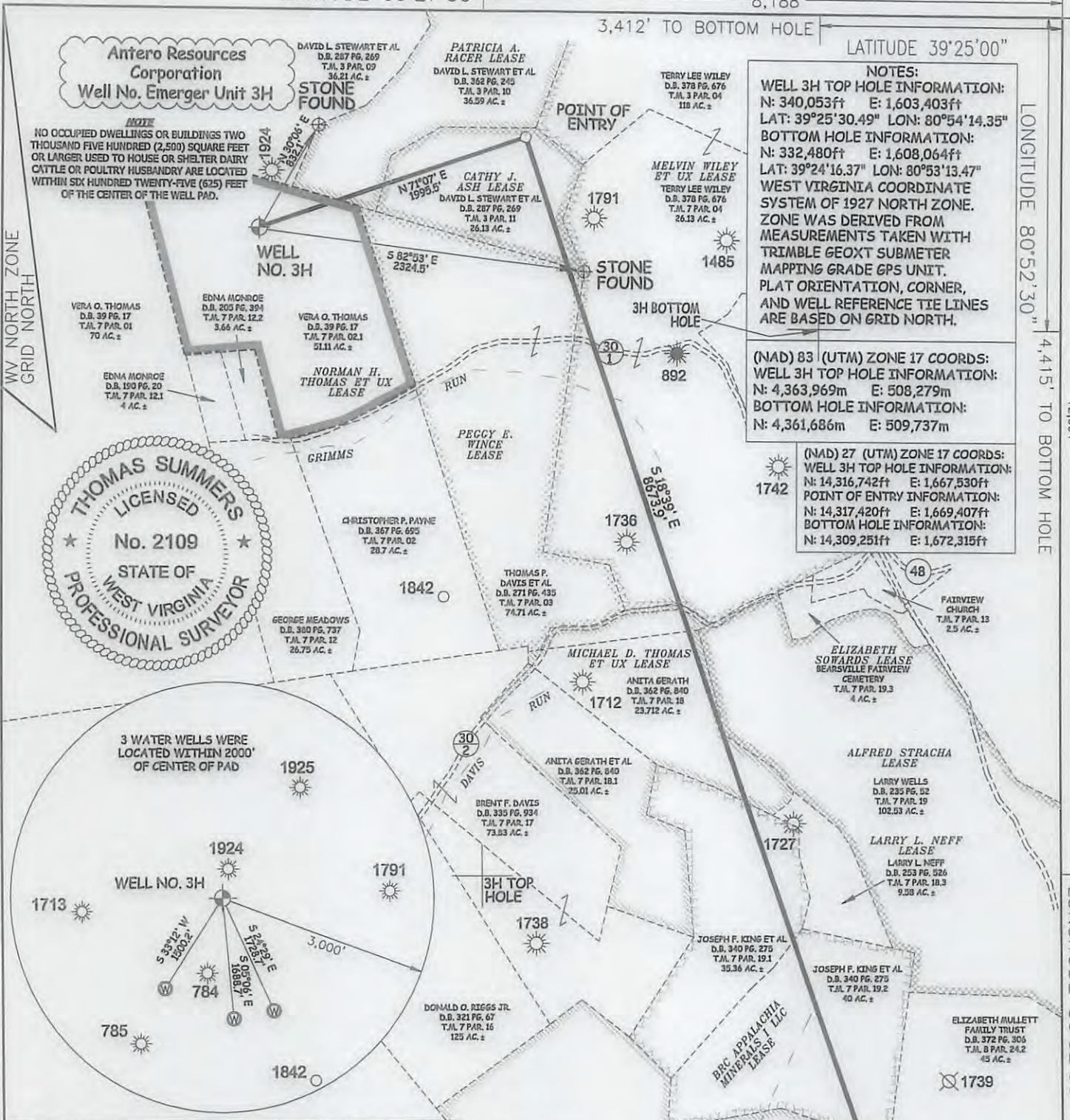
3,412' TO BOTTOM HOLE

LATITUDE 39°25'00"

LONGITUDE 80°52'30"

12,091'

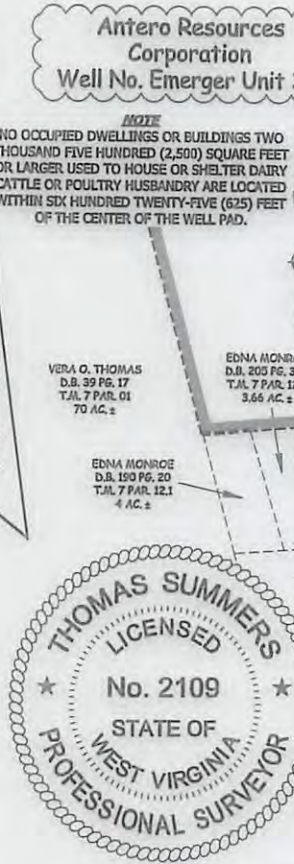
LONGITUDE 80°52'30"



NOTES:
WELL 3H TOP HOLE INFORMATION:
 N: 340,053ft E: 1,603,403ft
 LAT: 39°25'30.49" LON: 80°54'14.35"
BOTTOM HOLE INFORMATION:
 N: 332,480ft E: 1,608,064ft
 LAT: 39°24'16.37" LON: 80°53'13.47"
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: 4,363,969m E: 508,279m
BOTTOM HOLE INFORMATION:
 N: 4,361,686m E: 509,737m

(NAD 27 (UTM) ZONE 17 COORDS:
WELL 3H TOP HOLE INFORMATION:
 N: 14,316,742ft E: 1,667,530ft
POINT OF ENTRY INFORMATION:
 N: 14,317,420ft E: 1,669,407ft
BOTTOM HOLE INFORMATION:
 N: 14,309,251ft E: 1,672,315ft



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

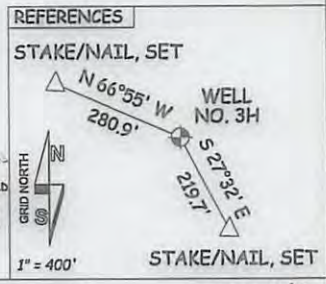
PAD LAYOUT
 NOT TO SCALE

MYSIS UNIT 1H	10'
MYSIS UNIT 2H	10'
MYSIS UNIT 3H	10'
ANT UNIT 1H	10'
ANT UNIT 2H	10'
ANT UNIT 3H	10'
SAN JUAN UNIT 1H	10'
SAN JUAN UNIT 2H	10'
SAN JUAN UNIT 3H	10'
SAN JUAN UNIT 4H	10'
EMERGER UNIT 1H	10'
EMERGER UNIT 2H	10'
EMERGER UNIT 3H	10'
EMERGER UNIT 4H	10'

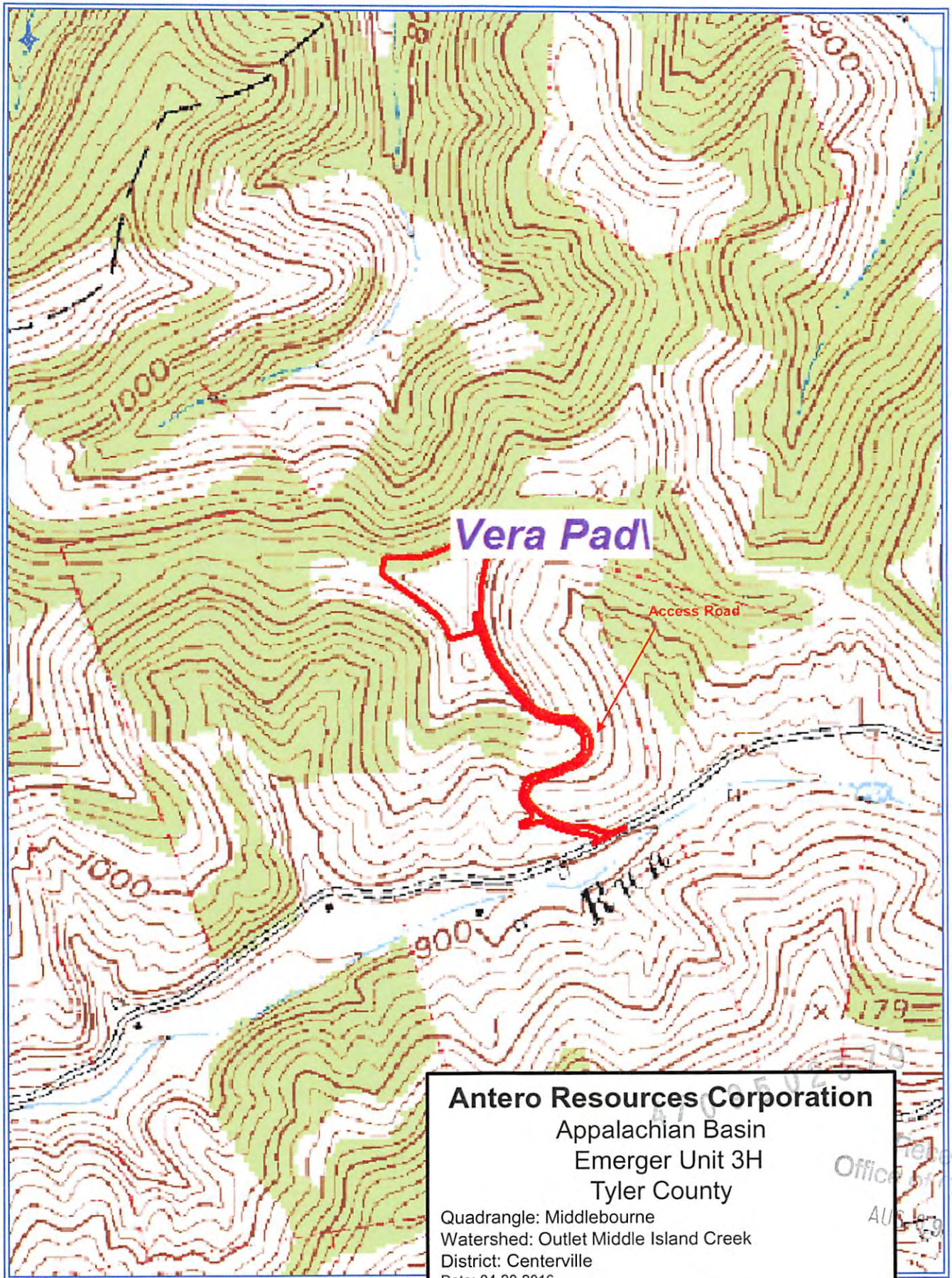
JOB # 16-020WA
 DRAWING # EMERGER3H
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS
 STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

LEGEND
 - - - - - Surface Owner Boundary Lines +/-
 - - - - - Interior Surface Tracts +/-
 - - - - - Existing Fence
 ⊕ Found monument, as noted

Thomas Summers
 THOMAS SUMMERS P.S. 2109
 DATE 07/20/16
 OPERATOR'S WELL# EMERGER UNIT #3H



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL 47 - 095 - 02379 HWA
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW STATE COUNTY PERMIT
 LOCATION: ELEVATION 1,168' - ORIGINAL 1,145' - PROPOSED WATERSHED OUTLET MIDDLE ISLAND CREEK 10/28/2016
 QUADRANGLE MIDDLEBOURNE 7.5' DISTRICT CENTERVILLE COUNTY TYLER
 SURFACE OWNER VERA O. THOMAS ACREAGE 51.11 ACRES +/-
 OIL & GAS ROYALTY OWNER NORMAN H. THOMAS ET UX; PATRICIA A. RACER; CATHY J. ASH; PEGGY E. WINCE; MELVIN WILEY ET UX; MICHAEL D. THOMAS ET UX; BRC APPALACHIA MINERALS I LLC; CARL W. ASH LEASE ACREAGE 125 AC.±; 36.59 AC.±; 30 AC.±; 74.71 AC.±; 553.16 AC.±; 48.13 AC.±; 79.74 AC.±; 362.8 AC.±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REFRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 16,300' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313
 FORM WW-6 DENVER, CO 80202



Vera Pad

Access Road

Antero Resources Corporation
Appalachian Basin
Emerger Unit 3H
Tyler County
Quadrangle: Middlebourne
Watershed: Outlet Middle Island Creek
District: Centerville
Date: 04-20-2016

Office of Oil & Gas
Received
AUG 19 2016

10/28/2016