

LATITUDE 39°12'30"

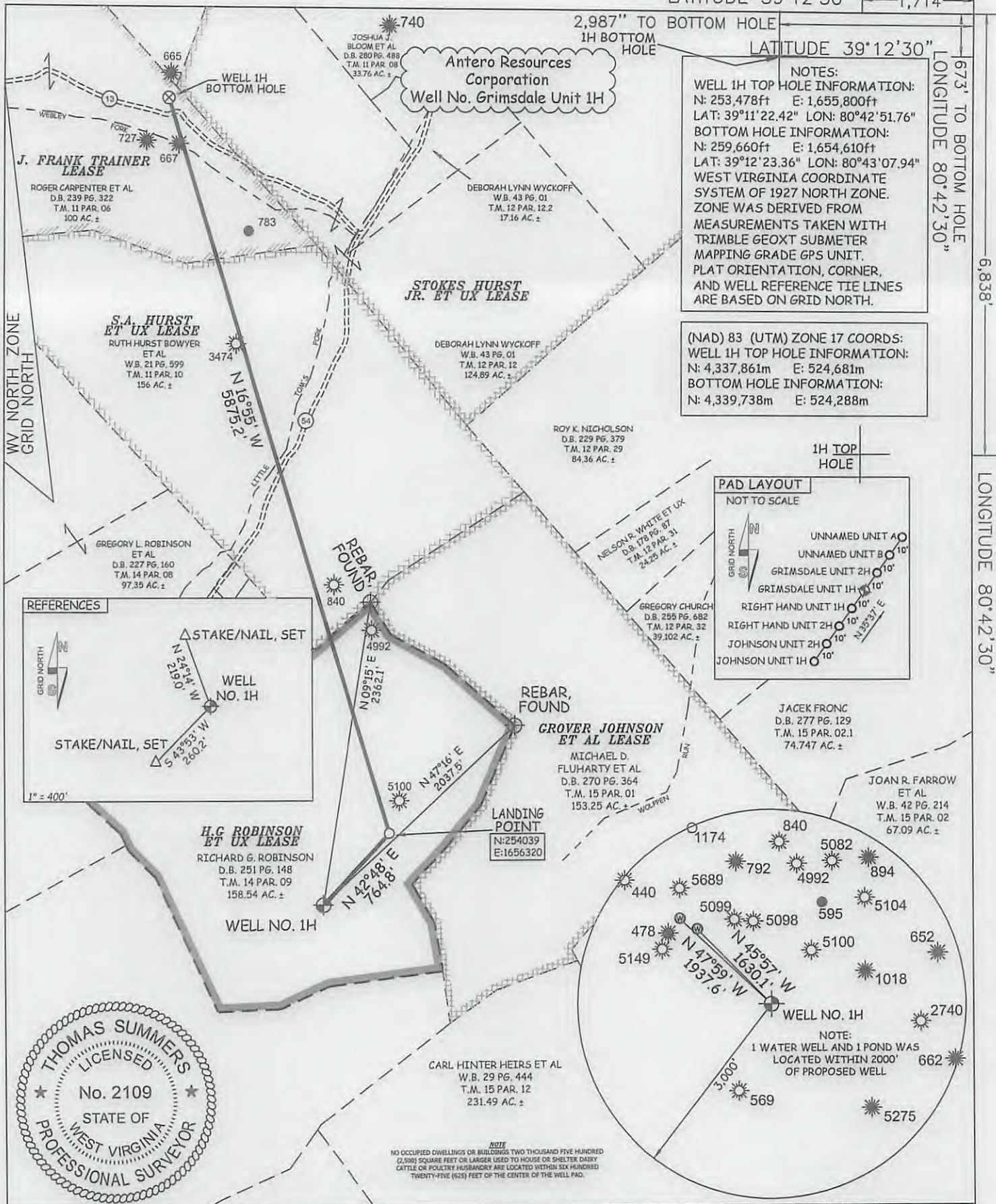
1,714'

LATITUDE 39°12'30"

LONGITUDE 80°42'30"

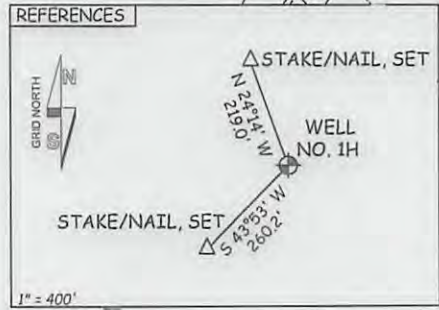
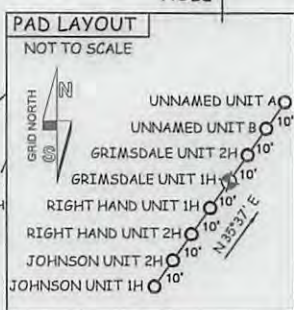
6,838'

LONGITUDE 80°42'30"



NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 253,478ft E: 1,655,800ft
 LAT: 39°11'22.42" LON: 80°42'51.76"
 BOTTOM HOLE INFORMATION:
 N: 259,660ft E: 1,654,610ft
 LAT: 39°12'23.36" LON: 80°43'07.94"
 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: 4,337,861m E: 524,681m
 BOTTOM HOLE INFORMATION:
 N: 4,339,738m E: 524,288m



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 # 13-070WA
 DRAWING # GRIMSDALE1H
 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 +/-
 - - - Existing Fence
 ⊕ Found monument, as noted

THOMAS SUMMERS P.S. 2109

DATE 08/19/13

OPERATOR'S WELL# GRIMSDALE UNIT #1H

API WELL # 47 - 017 - 6357

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 1,156' WATERSHED TRIBUTARY OF LITTLE TOMS FORK

QUADRANGLE NEW MILTON 7.5' DISTRICT NEW MILTON COUNTY DODDRIDGE

SURFACE OWNER RICHARD G. ROBINSON ACREAGE 158.54 ACRES +/-

OIL & GAS ROYALTY OWNER H.G. ROBINSON ET UX; LEASE ACREAGE 169.8 ACRES +/-

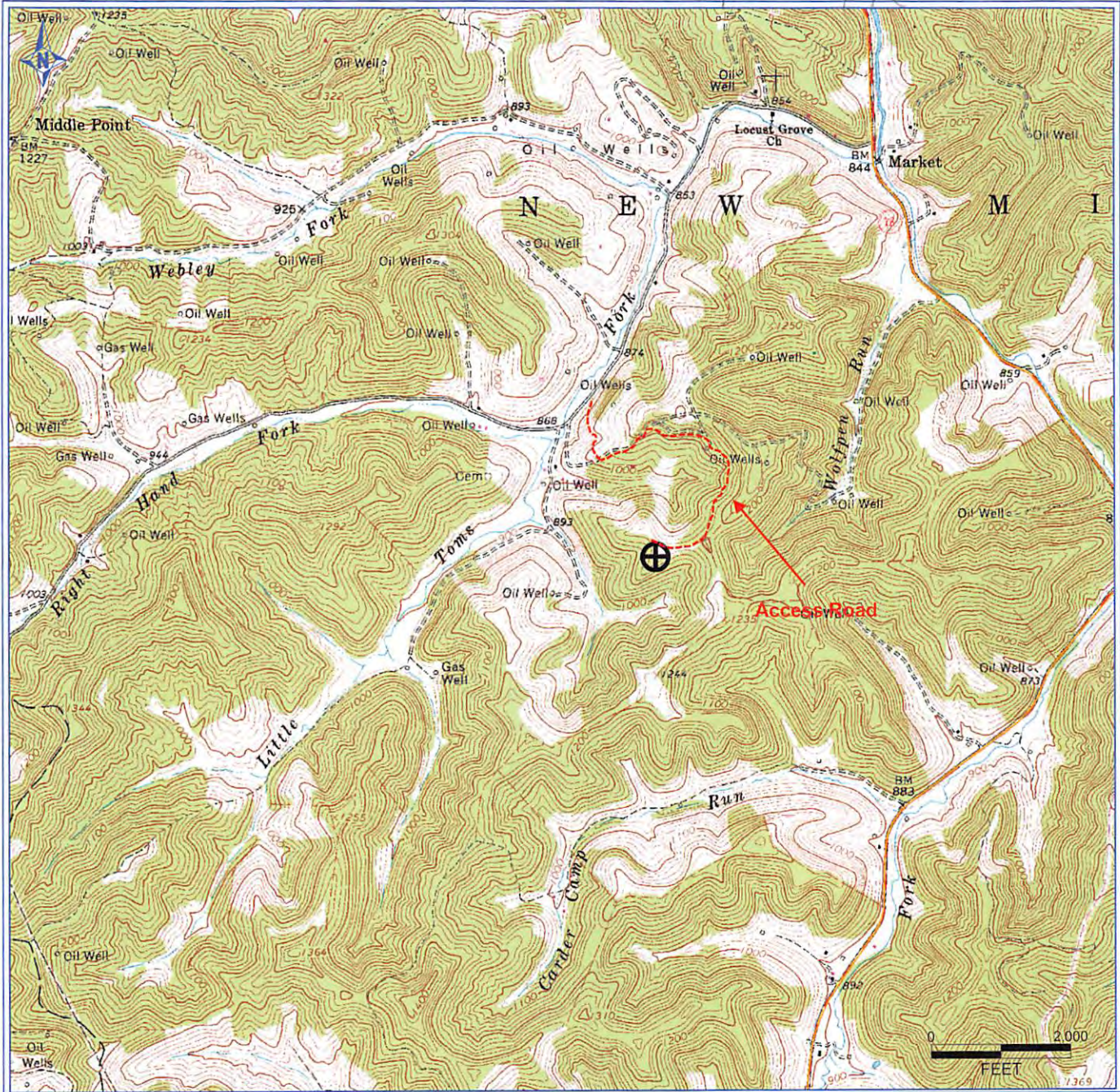
S.A. HURST ET UX; J. FRANK TRAINER 156 ACRES +/-; 102 ACRES +/-

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 7,200' TVD 13,900' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25303

Plat spotted 7-06357



PETRA 6/26/2012 4:52:45 PM

Antero Resources Corporation

APPALACHIAN BASIN

Grimsdale Unit 1H
Doddridge County



REMARKS
QUADRANGLE: NEW MILTON
WATERSHED: TRIB. OF LITTLE TOMS FORK
DISTRICT: NEW MILTON

Date: 11/6/2012

Received
AUG 30 2013

Office of Oil and Gas
WV Dept. of Environmental Protection