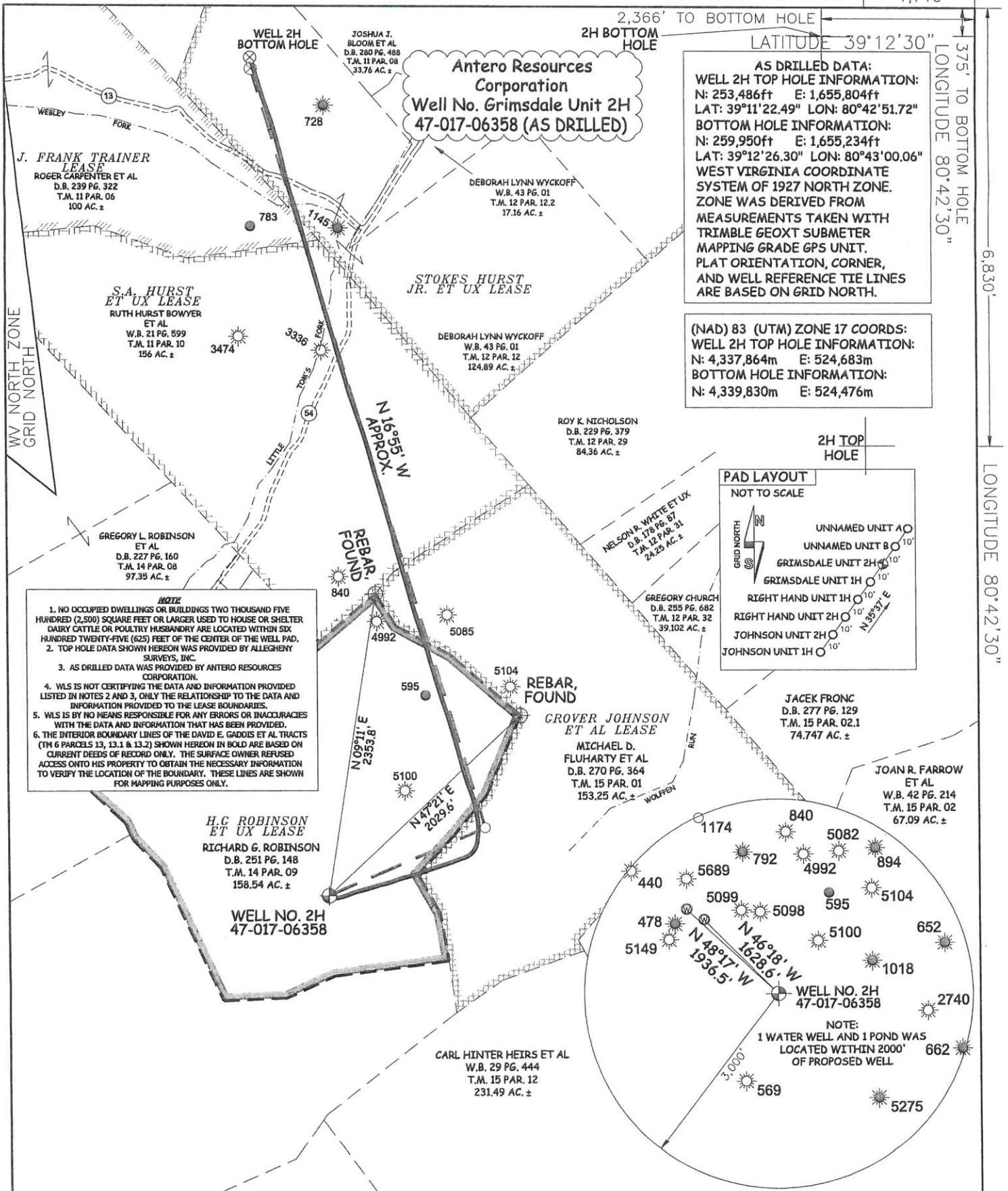
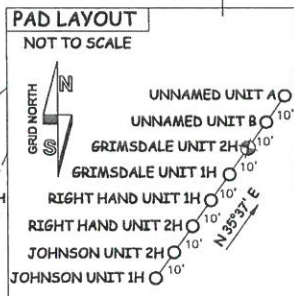


LATITUDE 39°12'30" LONGITUDE 80°42'30"

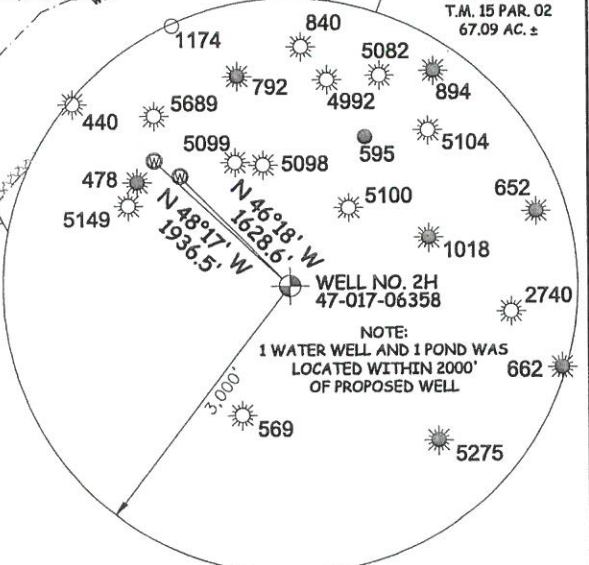


AS DRILLED DATA:
WELL 2H TOP HOLE INFORMATION:
 N: 253,486ft E: 1,655,804ft
 LAT: 39°11'22.49" LON: 80°42'51.72"
BOTTOM HOLE INFORMATION:
 N: 259,950ft E: 1,655,234ft
 LAT: 39°12'26.30" LON: 80°43'00.06"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH 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 2H TOP HOLE INFORMATION:
 N: 4,337,864m E: 524,683m
BOTTOM HOLE INFORMATION:
 N: 4,339,830m E: 524,476m



- NOTE**
1. 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.
 2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
 3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
 5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.
 6. THE INTERIOR BOUNDARY LINES OF THE DAVID E. GADDIS ET AL TRACTS (TM 6 PARCELS 13, 13.1 & 13.2) SHOWN HEREON IN BOLD ARE BASED ON CURRENT DEEDS OF RECORD ONLY. THE SURFACE OWNER REFUSED ACCESS ONTO HIS PROPERTY TO OBTAIN THE NECESSARY INFORMATION TO VERIFY THE LOCATION OF THE BOUNDARY. THESE LINES ARE SHOWN FOR MAPPING PURPOSES ONLY.



JOB # **13-070WA**
 DRAWING # **GRIMS DALE2HAD**
 SCALE **1" = 1000'**
 MINIMUM DEGREE OF ACCURACY **SUBMETER**
 PROVEN SOURCE OF ELEV. **SUBMETER MAPPING GRADE GPS**



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
- Proposed Well Path
- As Drilled Well Path

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW

LOCATION: ELEVATION **1,171' ORIGINAL - 1,158' AS DRILLED** WATERSHED **HEADWATERS MIDDLE ISLAND CREEK**

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; GROVER JOHNSON ET AL; S.A. HURST ET UX; J. FRANK TRAINER; STOKES HURST JR. ET UX** LEASE ACREAGE **169.8 ACRES±; 153.25 ACRES±; 156 ACRES±; 102 ACRES±; 211 ACRES±**

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___
 PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) **(X) AS DRILLED** PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
 TARGET FORMATION **MARCELLUS** ESTIMATED DEPTH **7,042' TVD 13,475' 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**

COUNTY NAME PERMIT