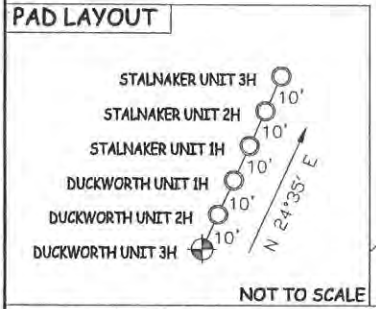
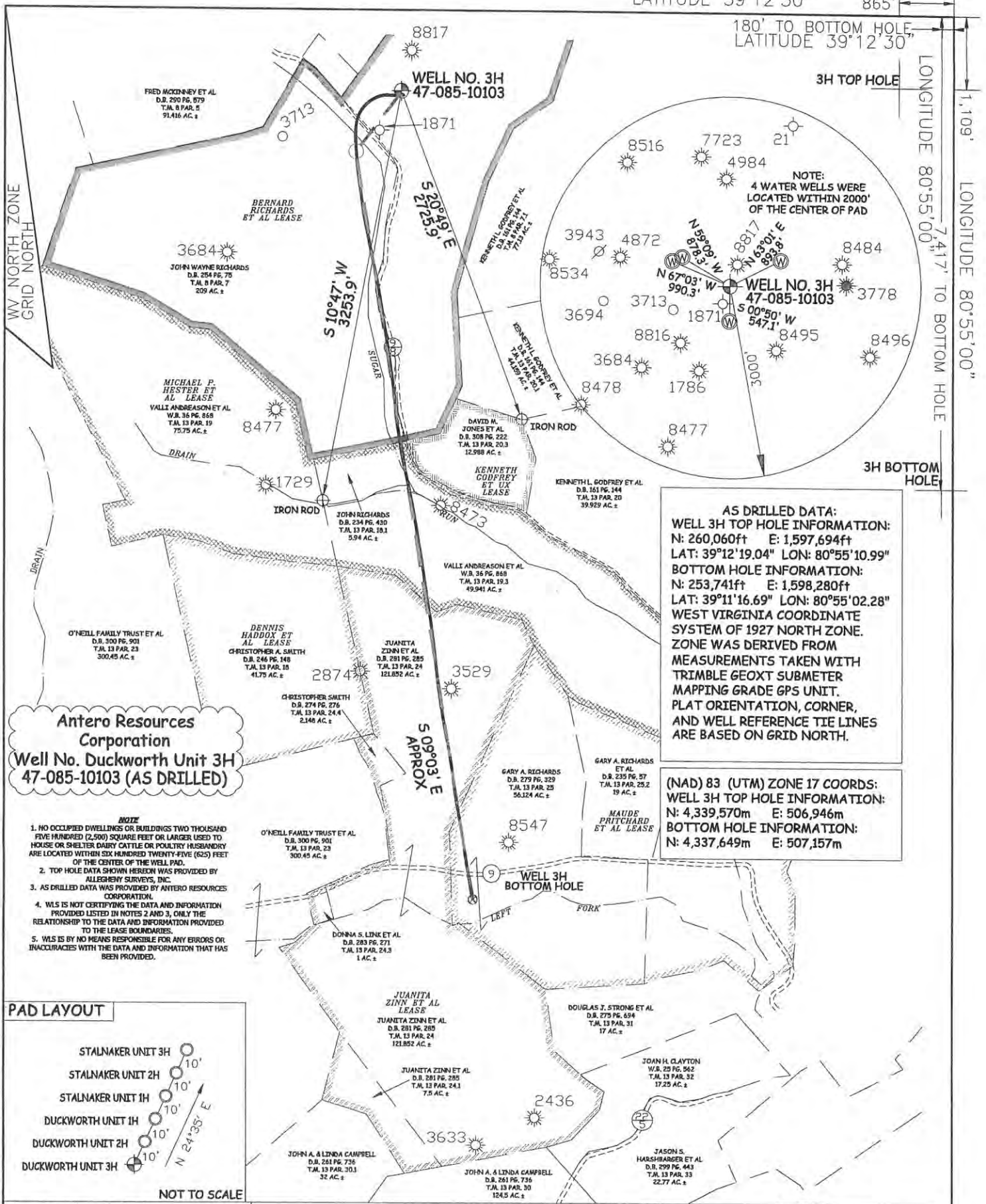


LATITUDE 39°12'30" 865'

180' TO BOTTOM HOLE
LATITUDE 39°12'30"

LONGITUDE 80°55'00" 7,417' TO BOTTOM HOLE

LONGITUDE 80°55'00" 1,109'



JOB # 14-023 WA
 DRAWING # DUCKWORTH3HADR
 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
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,035' ORIGINAL - 1,025' AS DRILLED WATERSHED SOUTH FORK HUGHES RIVER
 QUADRANGLE PULLMAN 7.5' DISTRICT UNION COUNTY RITCHIE
 SURFACE OWNER JOHN WAYNE RICHARDS ACREAGE 209 ACRES +/-
 OIL & GAS ROYALTY OWNER BERNARD RICHARDS ET AL; LEASE ACREAGE 214 ACRES±;
MICHAEL P. HEASTER ET AL; JUANITA ZINN ET AL; MAUDE PRITCHARD ET AL 234.5 ACRES±; 132.5 ACRES±; 137 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 6,425' TVD 12,676' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM
DENVER, CO 80202 5400 D BIG TYLER ROAD
CHARLESTON, WV 25313

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

DATE 07/13/15
 OPERATOR'S WELL # DUCKWORTH UNIT #3H
 API WELL # 47-085-10103
 STATE WEST VIRGINIA COUNTY RITCHIE PERMIT

COUNTY NAME PERMIT