

LATITUDE 39°12'30"

10,324'

1,162' TO BOTTOM HOLE

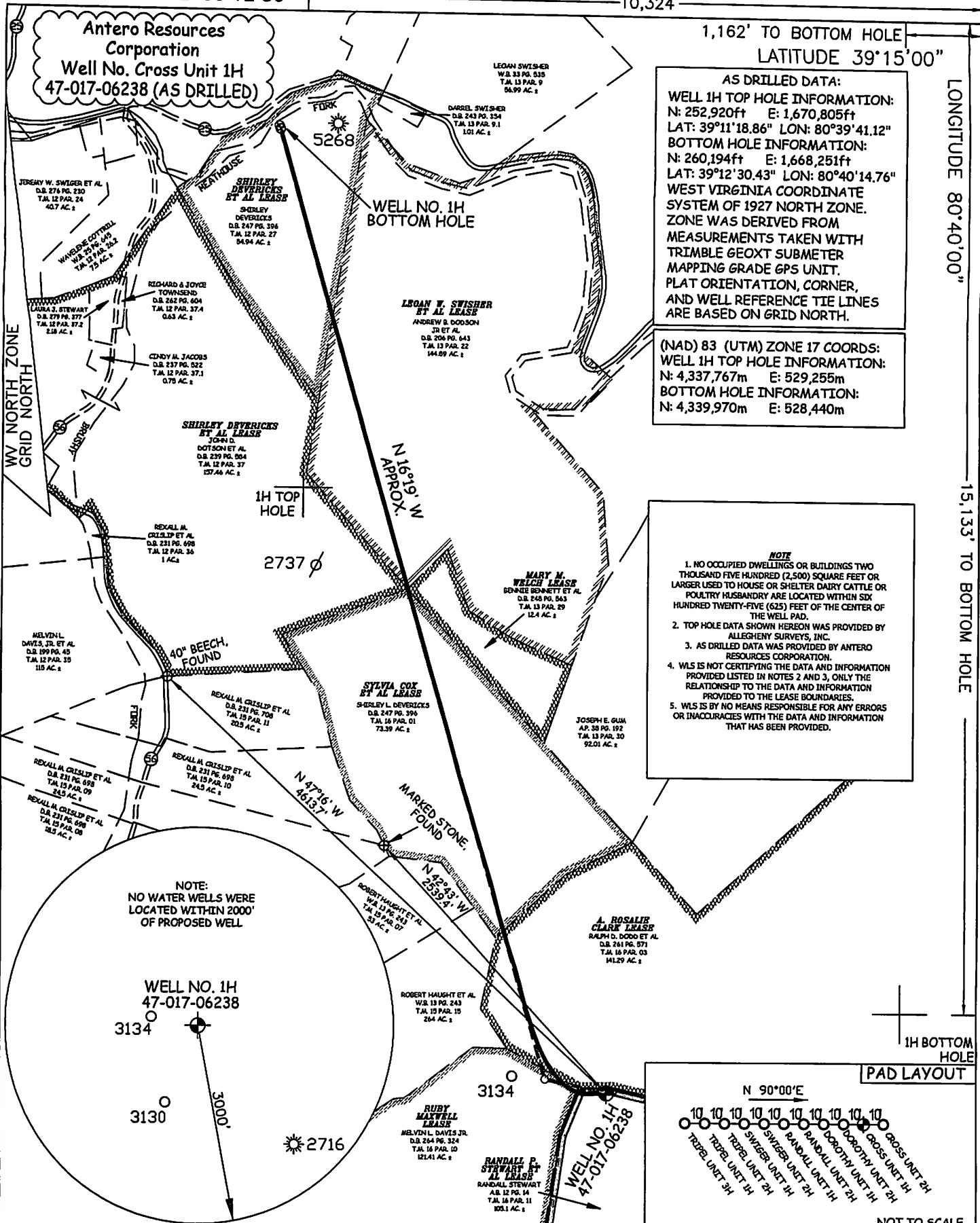
LATITUDE 39°15'00"

LONGITUDE 80°40'00"

7.197'

15.133' TO BOTTOM HOLE

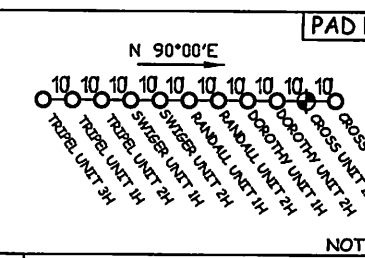
LONGITUDE 80°37'30"



AS DRILLED DATA:
 WELL 1H TOP HOLE INFORMATION:
 N: 252,920ft E: 1,670,805ft
 LAT: 39°11'18.86" LON: 80°39'41.12"
 BOTTOM HOLE INFORMATION:
 N: 260,194ft E: 1,668,251ft
 LAT: 39°12'30.43" LON: 80°40'14.76"
 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: 4,337,767m E: 529,255m
 BOTTOM HOLE INFORMATION:
 N: 4,339,970m E: 528,440m

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.



JOB # 12-118WA
 DRAWING # CROSS1HAD
 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
 P.O. BOX 17
 PENNSBORO, WV 26415

LEGEND
 - - - - - Surface Owner Boundary Lines +/-
 - - - - - Interior Surface Tracts +/-
 x - x - x 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 X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1,361' ORIGINAL - 1,334' AS-DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK
 QUADRANGLE NEW MILTON 7.5' DISTRICT NEW MILTON COUNTY DODDRIDGE
 SURFACE OWNER RANDALL STEWART ACREAGE 105.1 ACRES +/-
 OIL & GAS ROYALTY OWNER RANDALL P. STEWART, ET AL; A. ROSALIE CLARK; RUBY MAXWELL; SYLVIA COX ET AL; SHIRLEY DEVERICKS ET AL; MARY M. WELCH; LEAN W. SMISHER ET AL; SHIRLEY DEVERICKS ET AL LEASE ACREAGE 195 ACRES±; 141.46 ACRES±; 121 ACRES±; 73 ACRES±; 157 ACRES±; 12.4 ACRES±; 178.14 ACRES±; 57.75 ACRES±
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___
 PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE ___ WELL (SPECIFY) (X) AS DRILLED PLUG & ABANDON ___ CLEAN UP & RE-PLUG ___
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,347' TO 14,907' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25311

DATE 04/22/15
 OPERATOR'S WELL# CROSS UNIT #1H
 API WELL # 47 - 017 - 06238
 STATE COUNTY PERMIT
 DATE 06/05/2015
 COUNTY NAME
 PERMIT

