

LATITUDE 39°20'00"

6,689'

LATITUDE 39°22'30"

LONGITUDE 80°40'00"

LONGITUDE 80°40'00"

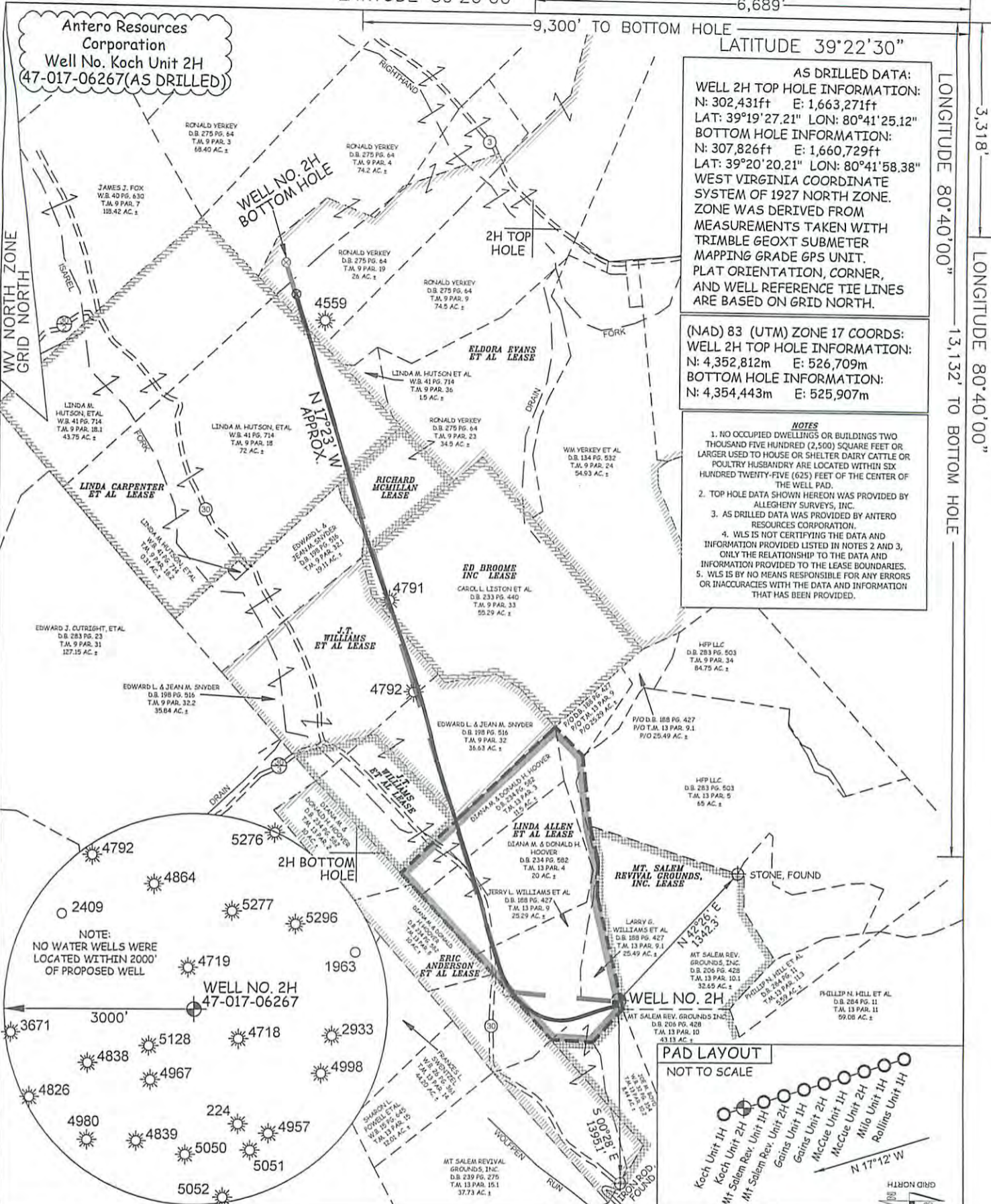
LONGITUDE 80°40'00"

LONGITUDE 80°40'00"

LONGITUDE 80°40'00"

LONGITUDE 80°40'00"

LONGITUDE 80°40'00"



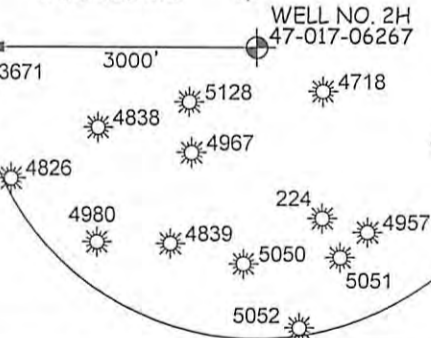
AS DRILLED DATA:
 WELL 2H TOP HOLE INFORMATION:
 N: 302,431ft E: 1,663,271ft
 LAT: 39°19'27.21" LON: 80°41'25.12"
 BOTTOM HOLE INFORMATION:
 N: 307,826ft E: 1,660,729ft
 LAT: 39°20'20.21" LON: 80°41'58.38"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH 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: 4,352,812m E: 526,709m
 BOTTOM HOLE INFORMATION:
 N: 4,354,443m E: 525,907m

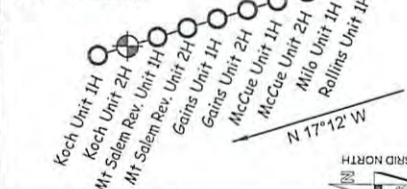
- NOTES**
1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.
 2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY 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.

Antero Resources Corporation
 Well No. Koch Unit 2H
 47-017-06267 (AS DRILLED)

NOTE:
 NO WATER WELLS WERE LOCATED WITHIN 2000' OF PROPOSED WELL



PAD LAYOUT



JOB # 12-132WA
 DRAWING # KOCH2HAD
 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 1,402' ORIGINAL - 1,376' AS-DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK
 QUADRANGLE SMITHBURG 7.5' DISTRICT GRANT COUNTY DODD

SURFACE OWNER LARRY WILLIAMS ET AL ACREAGE 25.49 ACRES +/-
 OIL & GAS ROYALTY OWNER LINDA ALLEN ET AL; ERIC ANDERSON ET AL; J.T. WILLIAMS ET AL; J.T. WILLIAMS ET AL; ED BROOME INC.; RICHARD MCMILLAN; LINDA CARPENTER ET AL; ELDORA EVANS ET AL
 LEASE ACREAGE 35.11 ACRES +/-; 40 ACRES +/-; 214 ACRES +/-; 59 ACRES +/-; 55.29 ACRES +/-; 10.87 ACRES +/-; 214 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 7,274' TVD 13,350' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

06/05/2015

RECEIVED
 WV Department of Environmental Protection