

LATITUDE 39°20'00"

6,692'

5,822' TO BOTTOM HOLE
LATITUDE 39°20'00"

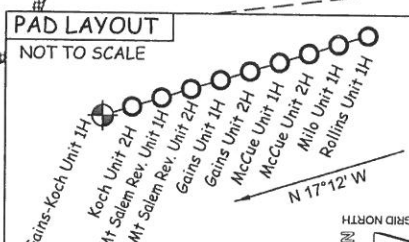
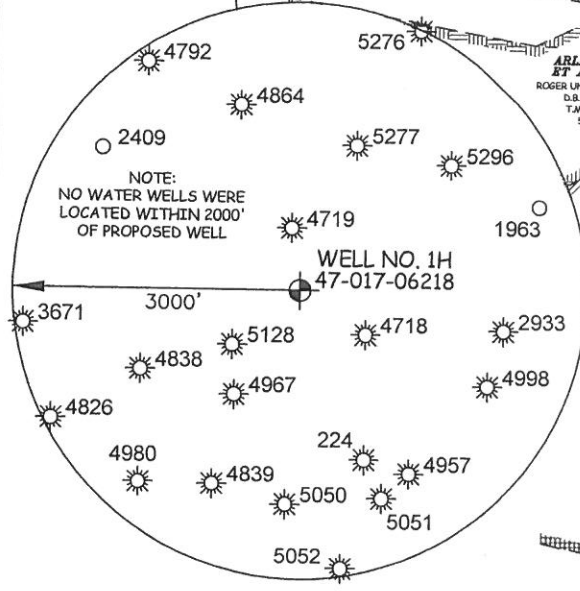
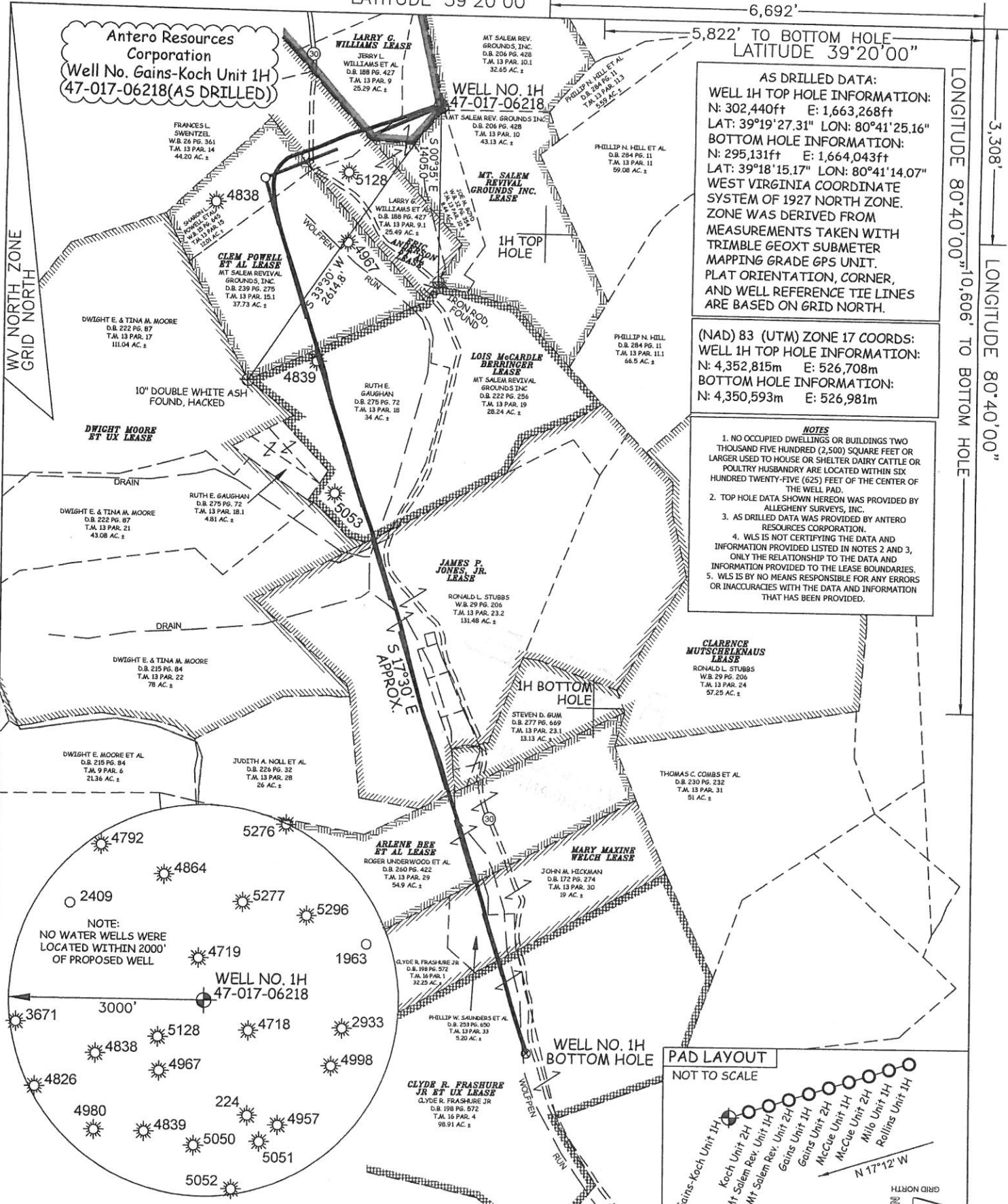
LONGITUDE 80°40'00" TO BOTTOM HOLE
3,308'
LONGITUDE 80°40'00"

Antero Resources Corporation
Well No. Gains-Koch Unit 1H
47-017-06218 (AS DRILLED)

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 302,440ft E: 1,663,268ft
LAT: 39°19'27.31" LON: 80°41'25.16"
BOTTOM HOLE INFORMATION:
N: 295,131ft E: 1,664,043ft
LAT: 39°18'15.17" LON: 80°41'14.07"
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: 4,352,815m E: 526,708m
BOTTOM HOLE INFORMATION:
N: 4,350,593m E: 526,981m

- 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.



JOB # 13-077WA
DRAWING # GAINS-KOCHUNIT1HAD
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

DATE 04/20/15
OPERATOR'S WELL# GAINS-KOCH UNIT 1H

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 1,402' ORIGINAL - 1,376' AS-DRILLED _____ WATERSHED HEADWATERS MIDDLE ISLAND CREEK
QUADRANGLE SMITHBURG 7.5' DISTRICT GRANT _____ COUNTY DODDRIDGE
SURFACE OWNER LARRY WILLIAMS ET AL _____ ACREAGE 25.49 ACRES +/-
OIL & GAS ROYALTY OWNER LARRY G. WILLIAMS; ERIC ANDERSON ET AL; CLEM POWELL ET AL; LEASE ACREAGE 35.11 ACRES±; 40 ACRES±; 51 ACRES±;
LOIS McCARDLE BERRINGER; JAMES P. JONES, JR.; ARLENE BEE ET AL; MARY MAXINE WELCH; CLYDE RYLAN FRASHURE JR. ET UX 67.5 ACRES±; 141 ACRES±; 55 ACRES±; 63.434 ACRES±; 131 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 7,202' TVD 14,425' 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