

LATITUDE 39°27'30"

11,300'

7,200' TO BOTTOM HOLE

LATITUDE 39°25'00"

LONGITUDE 80°50'00"

13,028'

LONGITUDE 80°50'00"

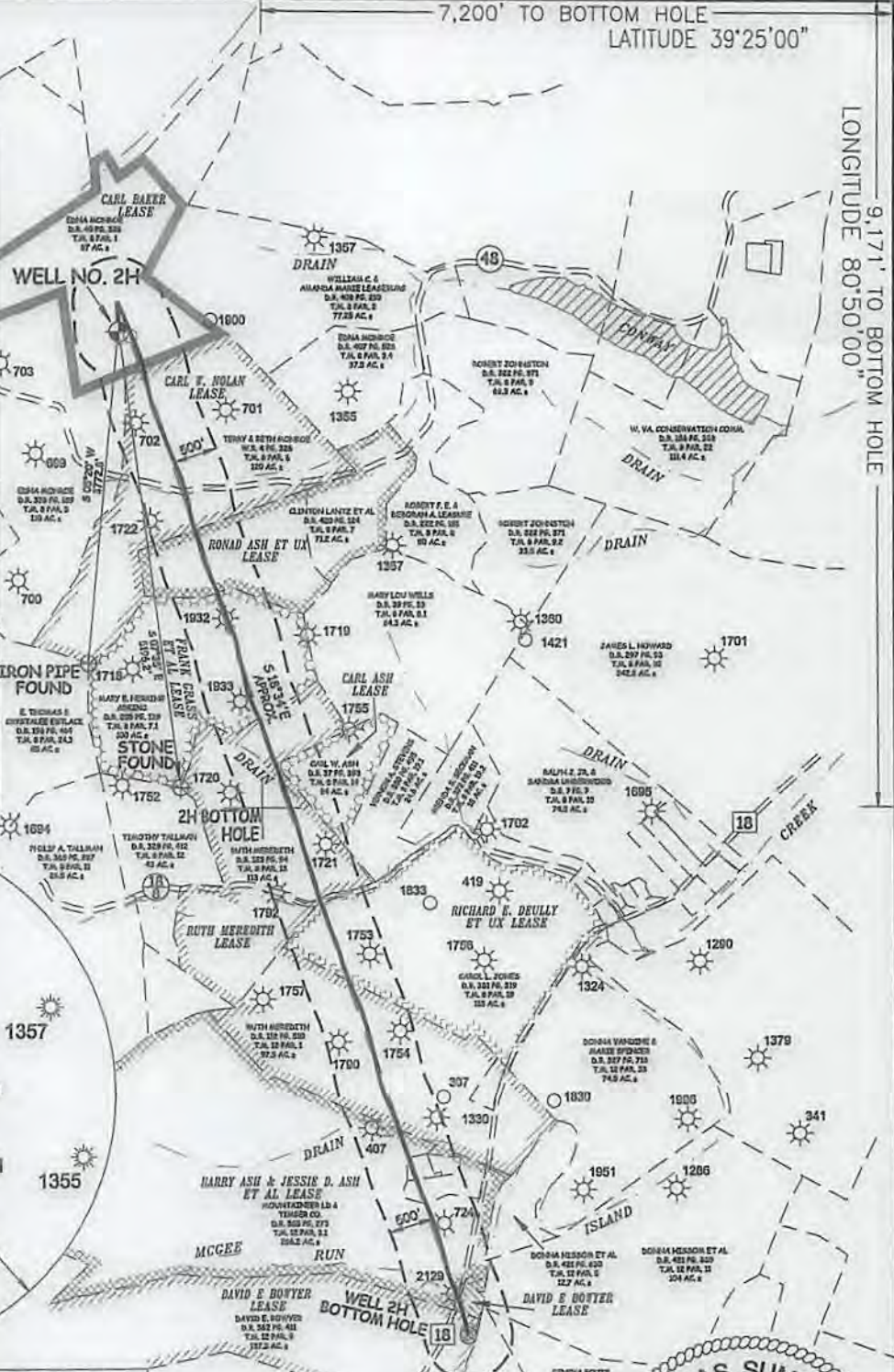
Antero Resources Corporation Well No. Bead Unit 2H 47-095-02362 (AS DRILLED)

AS DRILLED NOTES: WELL 2H TOP HOLE INFORMATION: N: 338,982ft E: 1,612,047ft LAT: 39°25'21.23" LON: 80°52'24.00" BOTTOM HOLE INFORMATION: N: 327,603ft E: 1,615,979ft LAT: 39°23'29.36" LON: 80°51'31.71" 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: 4,363,687m E: 510,917m BOTTOM HOLE INFORMATION: N: 4,360,241m E: 512,173m



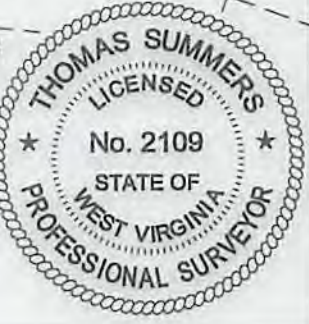
WV NORTH ZONE GRID NORTH



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS. WILLOW LAND SURVEYING PLLC, 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415



JOB # 15-013WA DRAWING # BEAD2HAD SCALE 1" = 2000' MINIMUM DEGREE OF ACCURACY SUBMETER PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND: Surface Owner Boundary Lines +/- Interior Surface Tracts +/- Found monument, as noted Proposed Well Path As Drilled Well Path

- 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... 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.

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

THOMAS SUMMERS P.S. 2109 DATE 12/13/17 OPERATOR'S WELL# BEAD UNIT #2H

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 095 02362 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT LOCATION: ELEVATION 1,044' - AS DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK QUADRANGLE SHIRLEY 7.5' DISTRICT CENTERVILLE COUNTY TYLER SURFACE OWNER EDNA MONROE ACREAGE 87 ACRES +/- OIL & GAS ROYALTY OWNER CARL BAKER; CARL W. NOLAN; RONAD ASH ET UX; FRANK GRASS ET AL; LEASE ACREAGE 87 AC +/- 120 AC +/- 72 AC +/- 100 AC +/- RUTH MEREDITH; RICHARD E DEULLY ET UX; HARRY ASH & JESSIE D. ASH ET AL; DAVID E BOWYER; DAVID E BOWYER 210 AC +/- 113 AC +/- 291 AC +/- 2.9 AC +/- 138 AC +/- PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,565' TVD 18,670' MD WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD DENVER, CO 80202 CHARLESTON, WV 25313

03/02/2018