

LATITUDE 39°17'30"

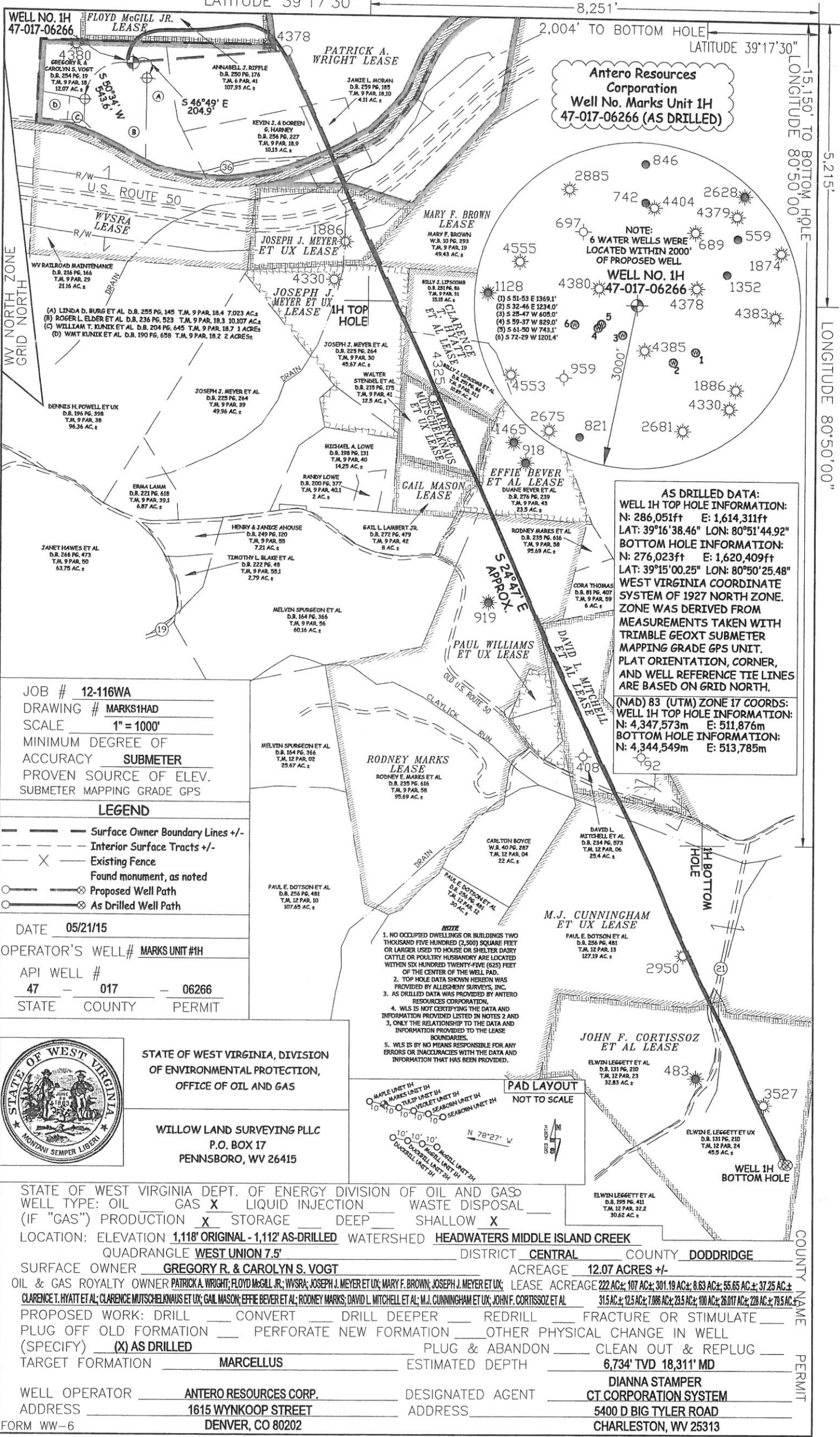
8,251'

LATITUDE 39°17'30"

LONGITUDE 80°50'00"

5,215'

LONGITUDE 80°50'00"



Antero Resources Corporation
Well No. Marks Unit 1H
47-017-06266 (AS DRILLED)

NOTE:
 6 WATER WELLS WERE LOCATED WITHIN 2000' OF PROPOSED WELL

WELL NO. 1H
47-017-06266

(1) S 51-53 E 1369.1'
 (2) S 32-46 E 1234.0'
 (3) S 28-47 W 605.0'
 (4) S 59-37 W 829.0'
 (5) S 61-50 W 743.1'
 (6) S 72-29 W 1201.4'

AS DRILLED DATA:

WELL 1H TOP HOLE INFORMATION:
 N: 286,051ft E: 1,614,311ft
 LAT: 39°16'38.46" LON: 80°51'44.92"

BOTTOM HOLE INFORMATION:
 N: 276,023ft E: 1,620,409ft
 LAT: 39°15'00.25" LON: 80°50'25.48"

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: 4,347,573m E: 511,876m

BOTTOM HOLE INFORMATION:
 N: 4,344,549m E: 513,785m

JOB # 12-116WA
 DRAWING # MARKS1HAD
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND

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

DATE 05/21/15
 OPERATOR'S WELL # MARKS UNIT #1H
 API WELL # 47 - 017 - 06266
 STATE COUNTY PERMIT



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC
 P.O. BOX 17
 PENNSBORO, WV 26415

- 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.

STATE OF WEST VIRGINIA DEPT. OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,118' ORIGINAL - 1,112' AS-DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK
 QUADRANGLE WEST UNION 7.5' DISTRICT CENTRAL COUNTY DODDRIDGE

SURFACE OWNER GREGORY R. & CAROLYN S. VOGT ACREAGE 12.07 ACRES +/-
 OIL & GAS ROYALTY OWNER PATRICK A. WRIGHT; FLOYD MCGILL JR.; WVSRA; JOSEPH J. MEYER ET UX; MARY F. BROWN; JOSEPH J. MEYER ET UX; CLARENCE T. HYATT ET AL; CLARENCE MUTSCHELKNAUS ET UX; GAIL MASON; EFFIE BEVER ET AL; RODNEY MARKS; DAVID L MITCHELL ET AL; M.J. CUNNINGHAM ET UX; JOHN F. CORTISSOZ ET AL LEASE ACREAGE 222 AC±; 107 AC±; 301.19 AC±; 8.63 AC±; 55.65 AC±; 37.25 AC±; 31.5 AC±; 12.5 AC±; 7.086 AC±; 23.5 AC±; 100 AC±; 26.017 AC±; 228 AC±; 79.5 AC±

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 6,734' TVD 18,311' 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