

LATITUDE 39°15'00"

6,267'

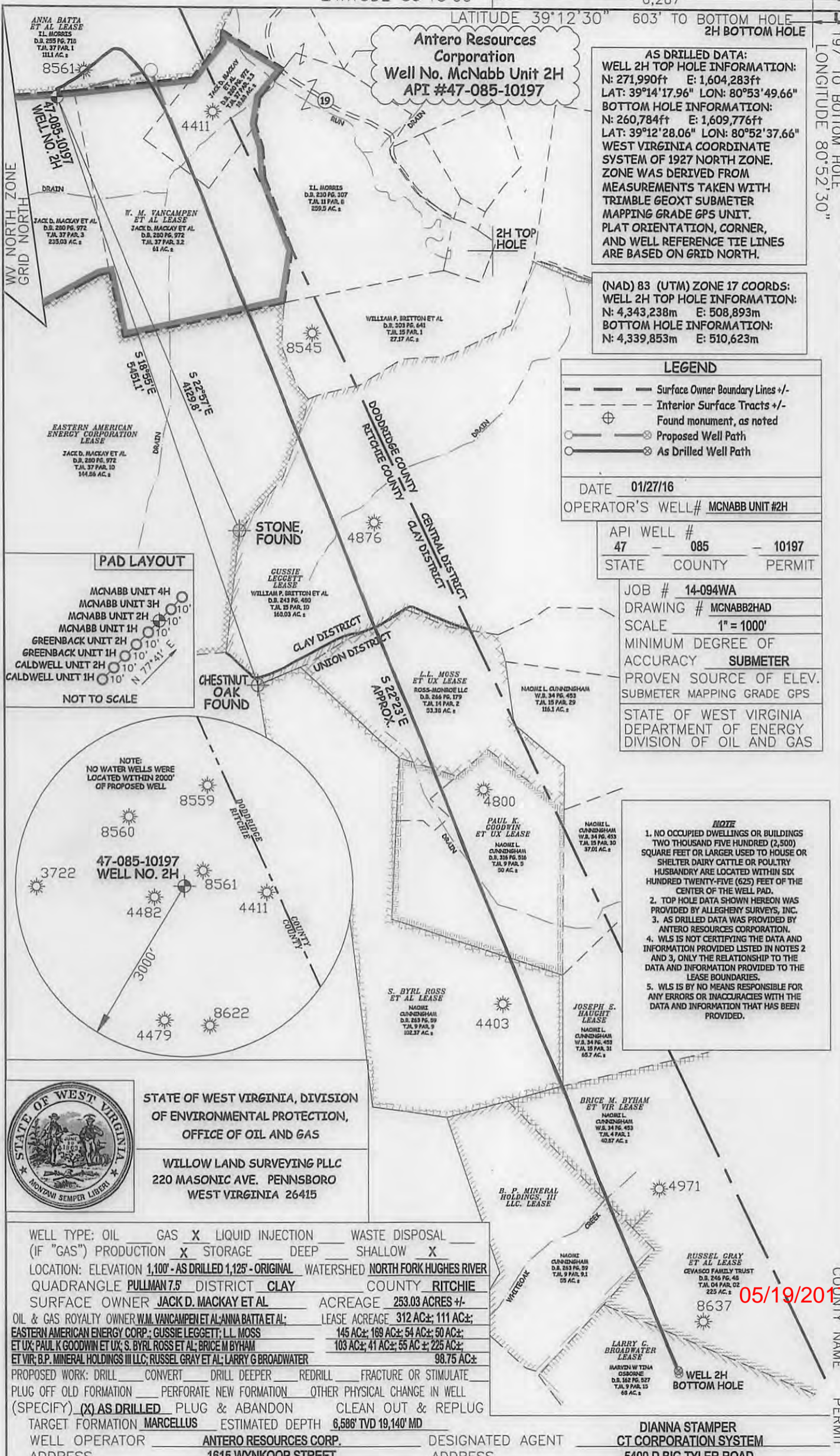
LATITUDE 39°12'30"

603' TO BOTTOM HOLE  
2H BOTTOM HOLE

197' TO BOTTOM HOLE  
LONGITUDE 80°52'30"

4,253'

LONGITUDE 80°52'30"



**Antero Resources Corporation**  
**Well No. McNabb Unit 2H**  
**API #47-085-10197**

**AS DRILLED DATA:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 271,990ft E: 1,604,283ft  
 LAT: 39°14'17.96" LON: 80°53'49.66"  
**BOTTOM HOLE INFORMATION:**  
 N: 260,784ft E: 1,609,776ft  
 LAT: 39°12'28.06" LON: 80°52'37.66"  
 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: 4,343,238m E: 508,893m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,339,853m E: 510,623m

**LEGEND**

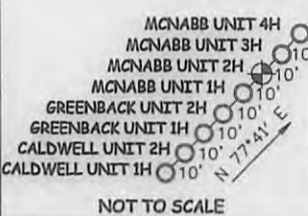
- Surface Owner Boundary Lines +/-
- - - Interior Surface Tracts +/-
- ⊕ Found monument, as noted
- Proposed Well Path
- ⊗ As Drilled Well Path

DATE 01/27/16  
 OPERATOR'S WELL# MCNABB UNIT #2H

API WELL #	47	085	10197
STATE	CLAY	CENTRAL	PERMIT

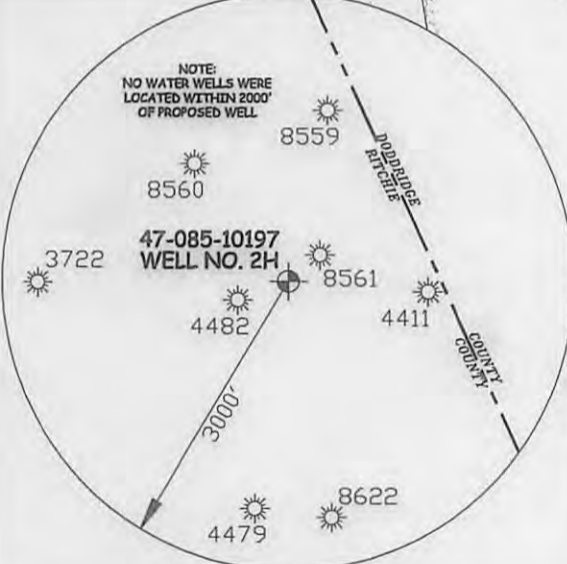
JOB # 14-094WA  
 DRAWING # MCNABB2HAD  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS  
 STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

**PAD LAYOUT**



NOT TO SCALE

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



- 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, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC  
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1,100' - AS DRILLED 1,125' - ORIGINAL \_\_\_\_\_ WATERSHED NORTH FORK HUGHES RIVER  
 QUADRANGLE PULLMAN 7.5' DISTRICT CLAY COUNTY RITCHIE  
 SURFACE OWNER JACK D. MACKAY ET AL ACREAGE 253.03 ACRES +/-  
 OIL & GAS ROYALTY OWNER W.M. VANCAMPEN ET AL; ANNA BATTA ET AL; LEASE ACREAGE 312 AC±; 111 AC±;  
 EASTERN AMERICAN ENERGY CORP.; GUSSIE LEGGETT; L.L. MOSS 145 AC±; 169 AC±; 54 AC±; 50 AC±;  
 ET UX; PAUL K. GOODWIN ET UX; S. BYRL ROSS ET AL; BRICE M BYHAM 103 AC±; 41 AC±; 55 AC±; 225 AC±;  
 ET VIR; B.P. MINERAL HOLDINGS III LLC; RUSSEL GRAY ET AL; LARRY G BROADWATER 98.75 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 6,586' TVD 19,140' 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

05/19/2017