

LATITUDE 39°15'00"

6,277'

LATITUDE 39°12'30"

1,248' TO BOTTOM HOLE

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

4,256'

LONGITUDE 80°52'30"

Antero Resources Corporation
Well No. McNabb Unit 1H
API #47-085-10196

1H BOTTOM HOLE

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
 N: 271,988ft E: 1,604,274ft
BOTTOM HOLE INFORMATION:
 N: 260,615ft E: 1,609,129ft
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: 4,343,238m E: 508,890m
BOTTOM HOLE INFORMATION:
 N: 4,339,798m E: 510,427m

LEGEND

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

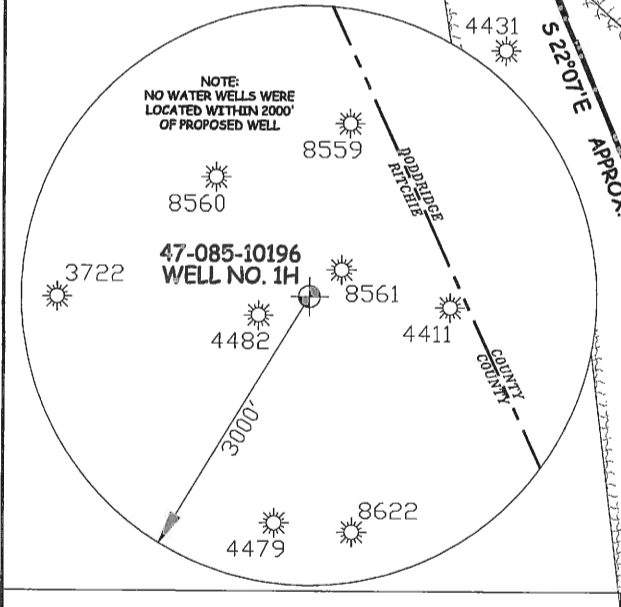
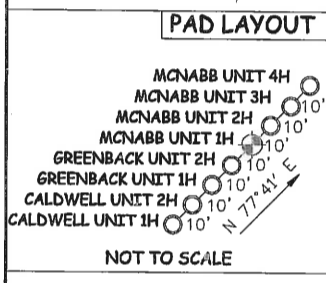
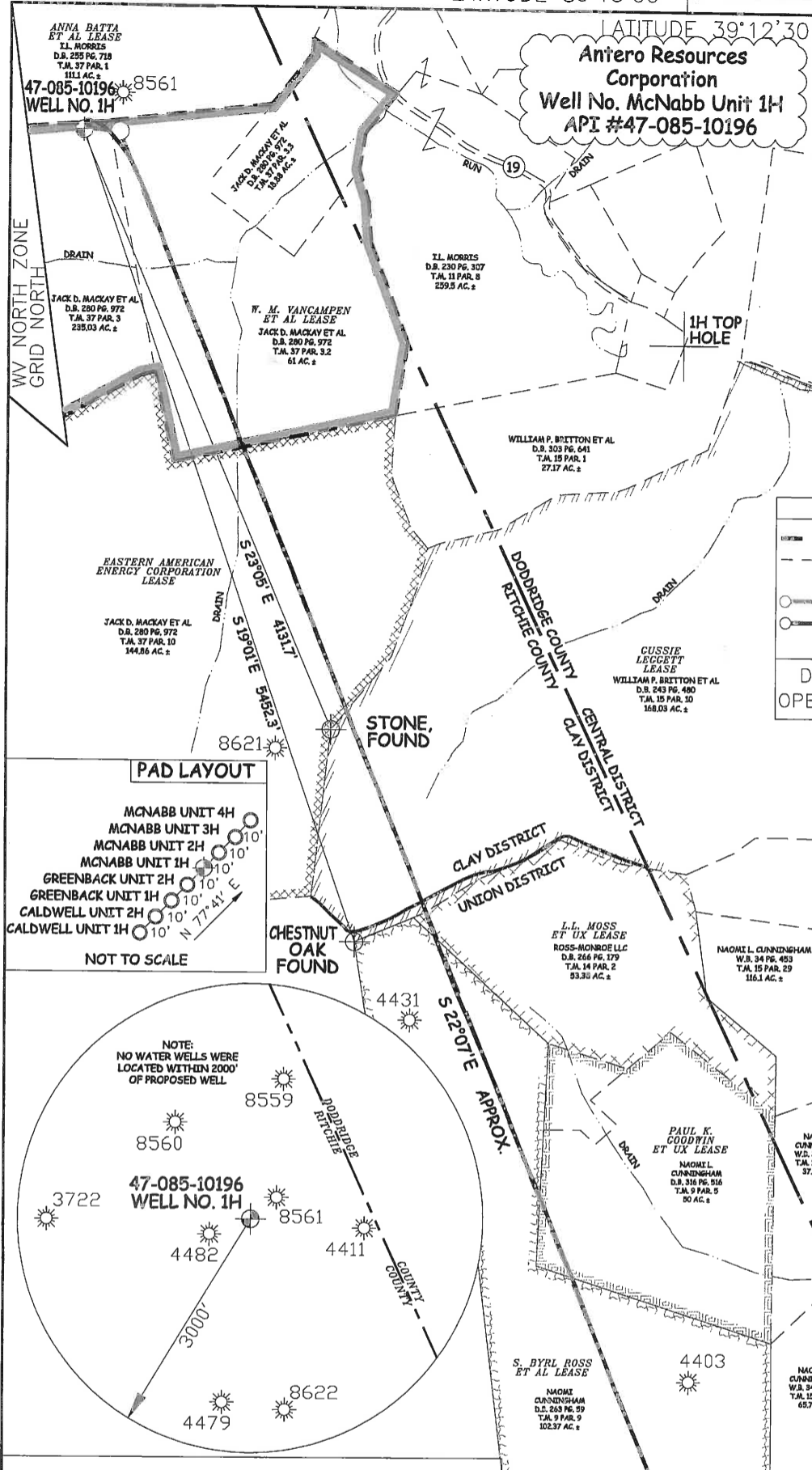
DATE 01/27/16
 OPERATOR'S WELL# MCNABB UNIT #1H

API WELL #	47	085	10196
STATE	COUNTY	PERMIT	

JOB # 14-094WA
 DRAWING # MCNABB1HAD
 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

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 **X** LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION **X** STORAGE ___ DEEP ___ SHALLOW **X**

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;** LEASE ACREAGE **312 AC±;**
EASTERN AMERICAN ENERGY CORP.; GUSSIE LEGGETT; L.L. MOSS 145 AC±; 169 AC±; 54 AC±;
ET UX; S. BYRL ROSS ET AL; PAUL K GOODWIN ET UX; B.P. MINERAL HOLDINGS, III LLC; LARRY G BROADWATER 103 AC±; 50 AC±; 55 AC±; 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 **6,576' TVD 18,759' 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**

05/26/2017