

LATITUDE 39°27'30"

5,023'

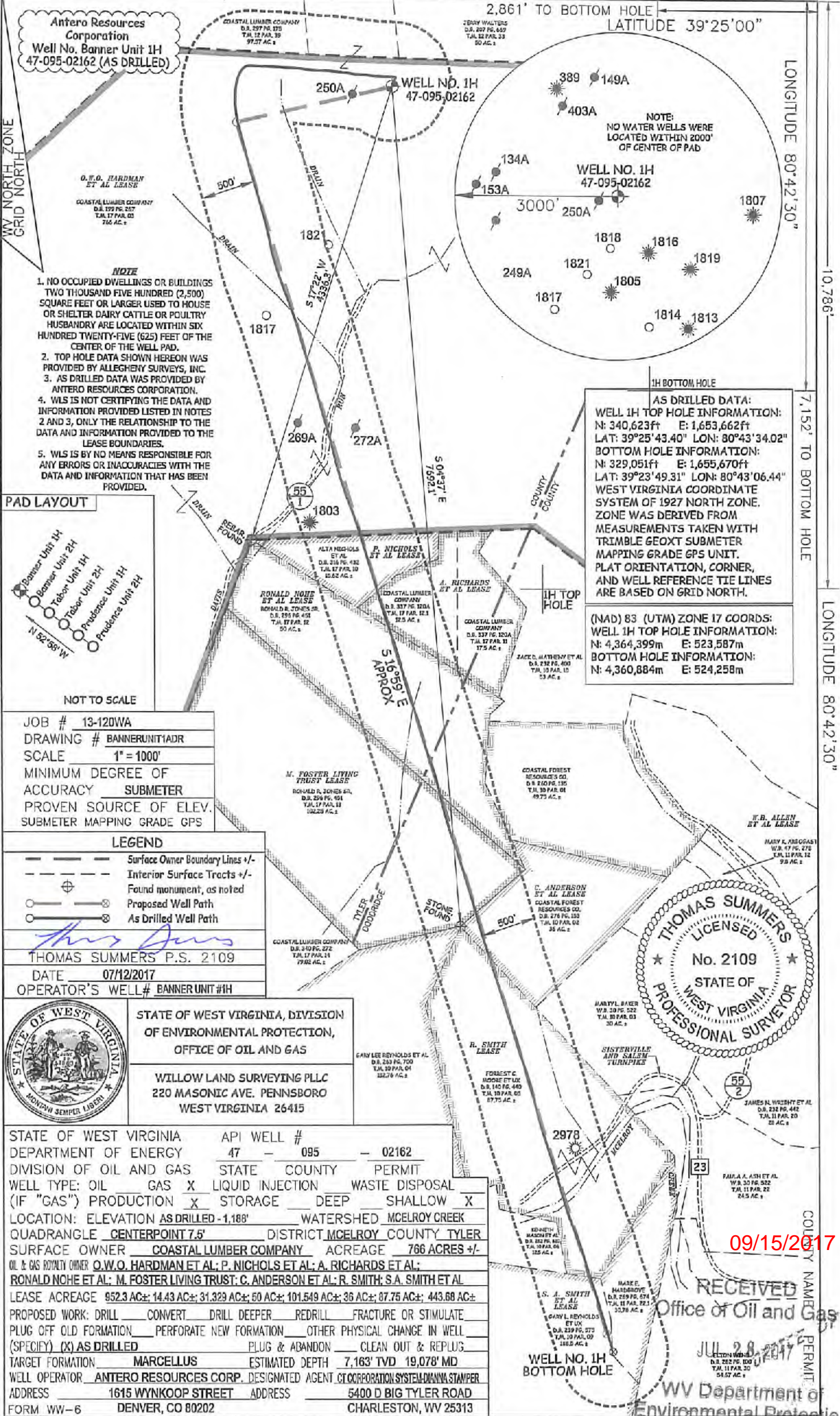
LATITUDE 39°25'00"

LONGITUDE 80°42'30"

10,786'

7,152' TO BOTTOM HOLE

LONGITUDE 80°42'30"



Antero Resources Corporation
Well No. Banner Unit 1H
47-095-02162 (AS DRILLED)

O.W.O. HARDMAN ET AL LEASE
COASTAL LUMBER COMPANY
D.S. 199 PG. 257
T.M. 17 PAR. 03
716 AC. ±

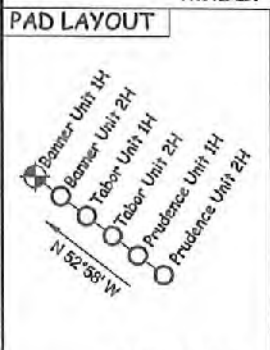
JERRY WALTERS
D.S. 207 PG. 637
T.M. 12 PAR. 33
50 AC. ±

NOTE:
NO WATER WELLS WERE
LOCATED WITHIN 2000'
OF CENTER OF PAD

- 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.

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 340,623ft E: 1,653,662ft
LAT: 39°25'43.40" LON: 80°43'34.02"
BOTTOM HOLE INFORMATION:
N: 329,051ft E: 1,655,670ft
LAT: 39°23'49.31" LON: 80°43'06.44"
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: 4,364,399m E: 523,587m
BOTTOM HOLE INFORMATION:
N: 4,360,884m E: 524,258m



JOB # 13-120WA
DRAWING # BANNERUNIT1ADR
SCALE 1" = 1000'
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

THOMAS SUMMERS P.S. 2109
DATE 07/12/2017
OPERATOR'S WELL # BANNER UNIT #1H



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

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

API WELL # 47 - 095 - 02162

STATE COUNTY PERMIT

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

LOCATION: ELEVATION AS DRILLED -1,188' WATERSHED MCELROY CREEK QUADRANGLE CENTERPOINT 7.5' DISTRICT MCELROY COUNTY TYLER

SURFACE OWNER COASTAL LUMBER COMPANY ACREAGE 766 ACRES +/-

OIL & GAS ROYALTY OWNER Q.W.O. HARDMAN ET AL; P. NICHOLS ET AL; A. RICHARDS ET AL; RONALD NOHE ET AL; M. FOSTER LIVING TRUST; C. ANDERSON ET AL; R. SMITH; S.A. SMITH ET AL

LEASE ACREAGE 952.3 AC±; 14.43 AC±; 31.329 AC±; 50 AC±; 101.549 AC±; 36 AC±; 87.75 AC±; 443.68 AC±

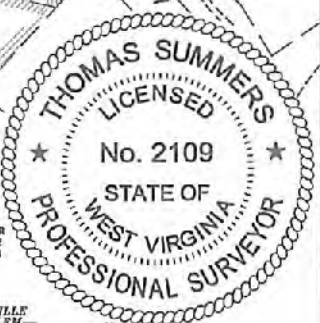
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,163' TVD 19,078' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM/DAVINA STAMPER

ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD

FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313



09/15/2017

RECEIVED
Office of Oil and Gas

JUL 28 2017

WV Department of Environmental Protection