

LATITUDE 39°15'00"

5,913'

LATITUDE 39°15'00"

LONGITUDE 80°35'00"

14,324'

LONGITUDE 80°35'00"

COUNTY NAME PERMIT

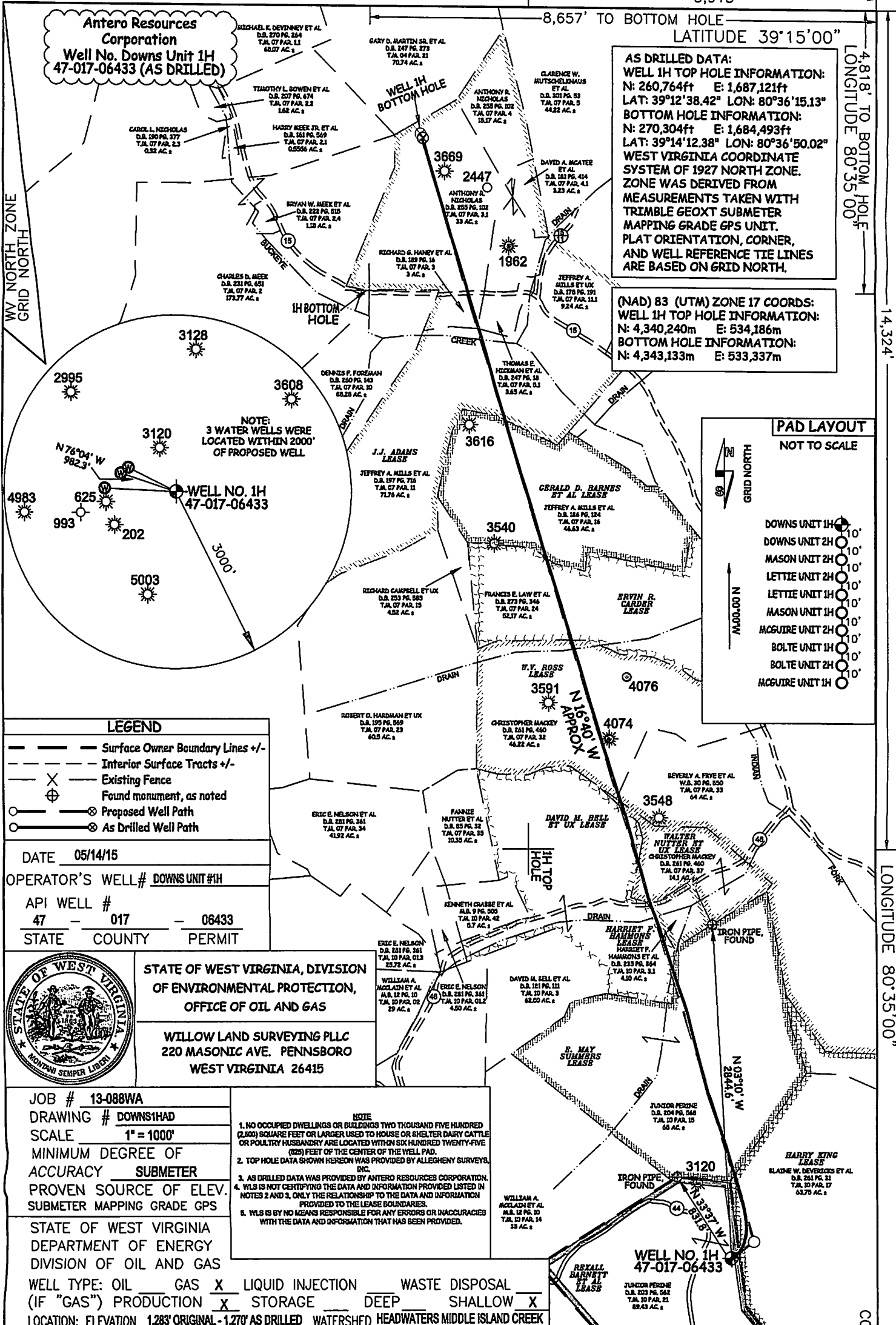
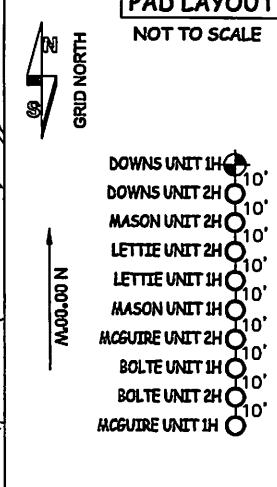
Antero Resources Corporation
Well No. Downs Unit 1H
47-017-06433 (AS DRILLED)

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 260,764ft E: 1,687,121ft
LAT: 39°12'38.42" LON: 80°36'15.13"
BOTTOM HOLE INFORMATION:
N: 270,304ft E: 1,684,493ft
LAT: 39°14'12.38" LON: 80°36'50.02"
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: 4,340,240m E: 534,186m
BOTTOM HOLE INFORMATION:
N: 4,343,133m E: 533,337m

PAD LAYOUT

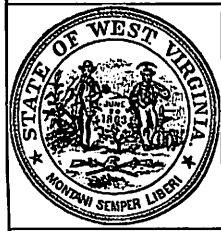
NOT TO SCALE



LEGEND

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

DATE 05/14/15
 OPERATOR'S WELL# DOWNS UNIT #1H
 API WELL # 47 - 017 - 06433
 STATE COUNTY PERMIT



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 # 13-088WA
 DRAWING # DOWNS1HAD
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

- NOTE
- 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.
 - TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
 - AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 - 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.
 - 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

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1,283' ORIGINAL - 1,270' AS DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK
 QUADRANGLE BIG ISSAC 7.5 DISTRICT GREENBRIER COUNTY DODDRIDGE

SURFACE OWNER JUNIOR PERINE ACREAGE 89.43 ACRES +/-
 OIL & GAS ROYALTY OWNER REXALL BARNETT ET AL; HARRY KING; E. MAY SUMMERS; DAVID M. BELL ET UX; HARRIET F. HAMMONS; WALTER NUTTER ET UX; W.V. ROSS; ERVIN R. CORDER; GERALD D. BARNES ET AL; J.J. ADAMS LEASE ACREAGE 81.4 ACRES +/-; 59.3 ACRES +/-; 68 ACRES +/-; 47.2 AC +/-; 4.10 AC +/-; 14.1 AC +/-; 132 AC +/-; 52.2 AC +/-; 48.5 AC +/-; 136.3 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 7,321' TVD 16,983' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313