

LATITUDE 39°20'00" 1,542'

4,388' TO BOTTOM HOLE

LATITUDE 39°22'30"

LONGITUDE 80°57'30"

14,779' TO BOTTOM HOLE

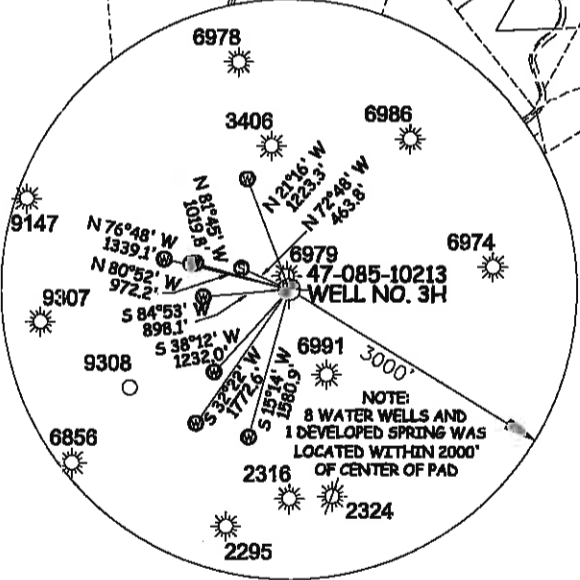
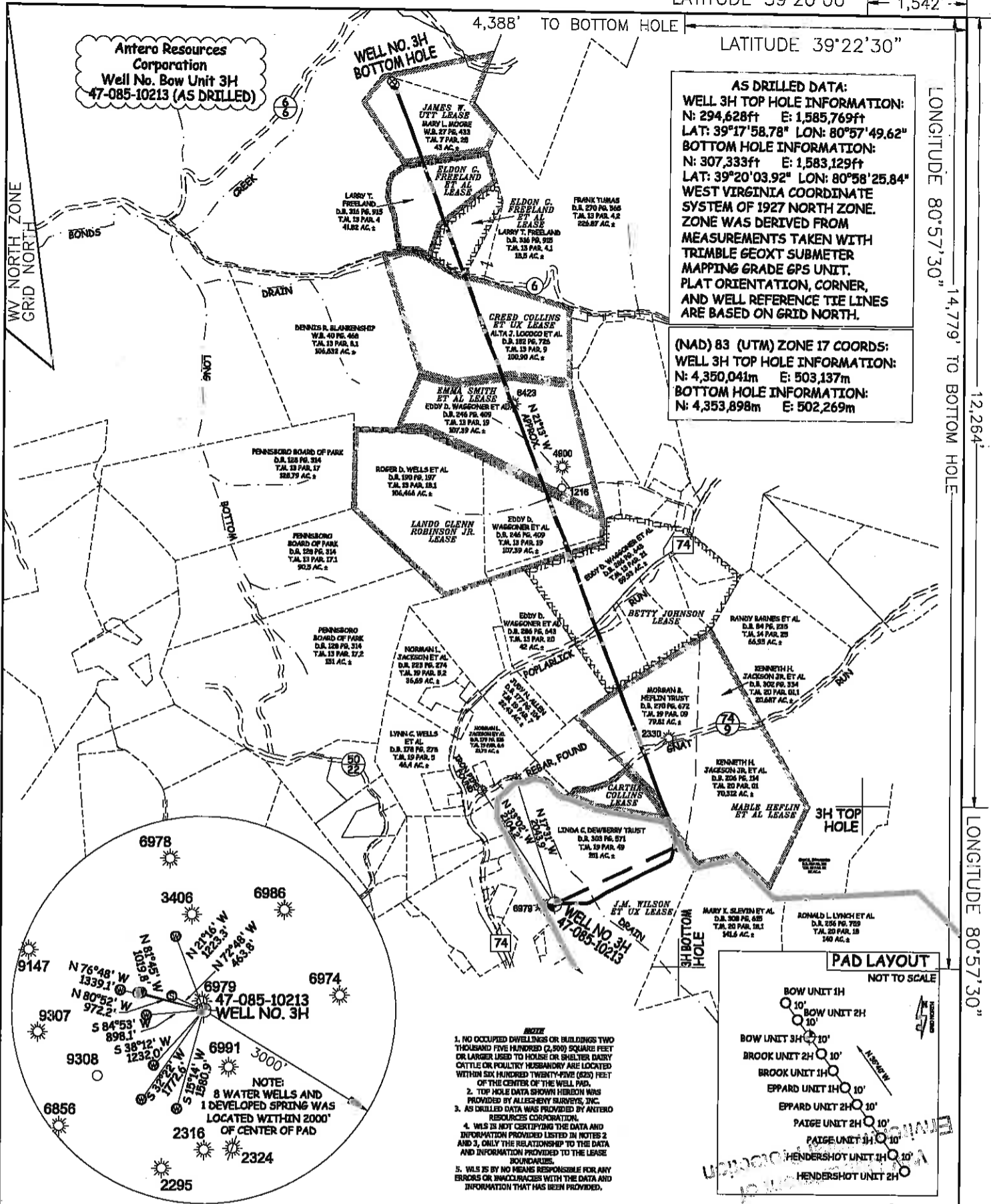
12,264'

LONGITUDE 80°57'30"

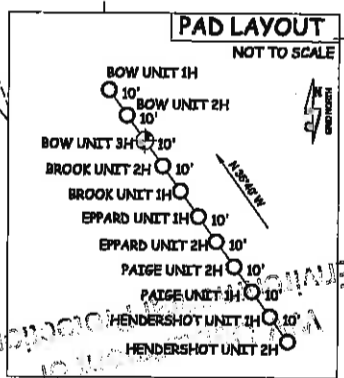
Antero Resources Corporation
Well No. Bow Unit 3H
47-085-10213 (AS DRILLED)

AS DRILLED DATA:
WELL 3H TOP HOLE INFORMATION:
N: 294,628ft E: 1,585,769ft
LAT: 39°17'58.78" LON: 80°57'49.62"
BOTTOM HOLE INFORMATION:
N: 307,333ft E: 1,583,129ft
LAT: 39°20'03.92" LON: 80°58'25.84"
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 3H TOP HOLE INFORMATION:
N: 4,350,041m E: 503,137m
BOTTOM HOLE INFORMATION:
N: 4,353,898m E: 502,269m



NOTE
1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER BARNY 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 HEREBIN 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.



JOB # 14-004WA
DRAWING # BOW3HAD
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS



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

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

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

DATE 01/29/16
OPERATOR'S WELL # BOW UNIT #3H
API WELL #

47 - 085 - 10213
STATE COUNTY PERMIT

WATERSHED NORTH FORK HUGHES RIVER QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE

SURFACE OWNER LINDA C. DEWBERRY TRUST ACREAGE 151 ACRES +/-
OIL & GAS ROYALTY OWNER J.M. WILSON ET UX; MABLE HEFLIN ET AL; BETTY JOHNSON; LEASE ACREAGE 700 ACRES +/-; 164 ACRES +/-; 130 ACRES +/-; LANDO GLENN ROBINSON JR.; EMMA SMITH ET AL; CREED COLLINS ET UX; ELDON G. FREELAND ET AL; ELDON G. FREELAND ET AL; JAMES W. UTT 130 ACRES +/-; 78 ACRES +/-; 104 ACRES +/-; 19 ACRES +/-; 38 ACRES +/-; 56.5 ACRES +/-

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 6,394' TVD 19,419' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM
FORM WW-6 DENVER, CO 80202 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

COUNTY NAME PERMIT