

LATITUDE 39°17'30"

8,878'

1,403' TO BOTTOM HOLE

LATITUDE 39°17'30"

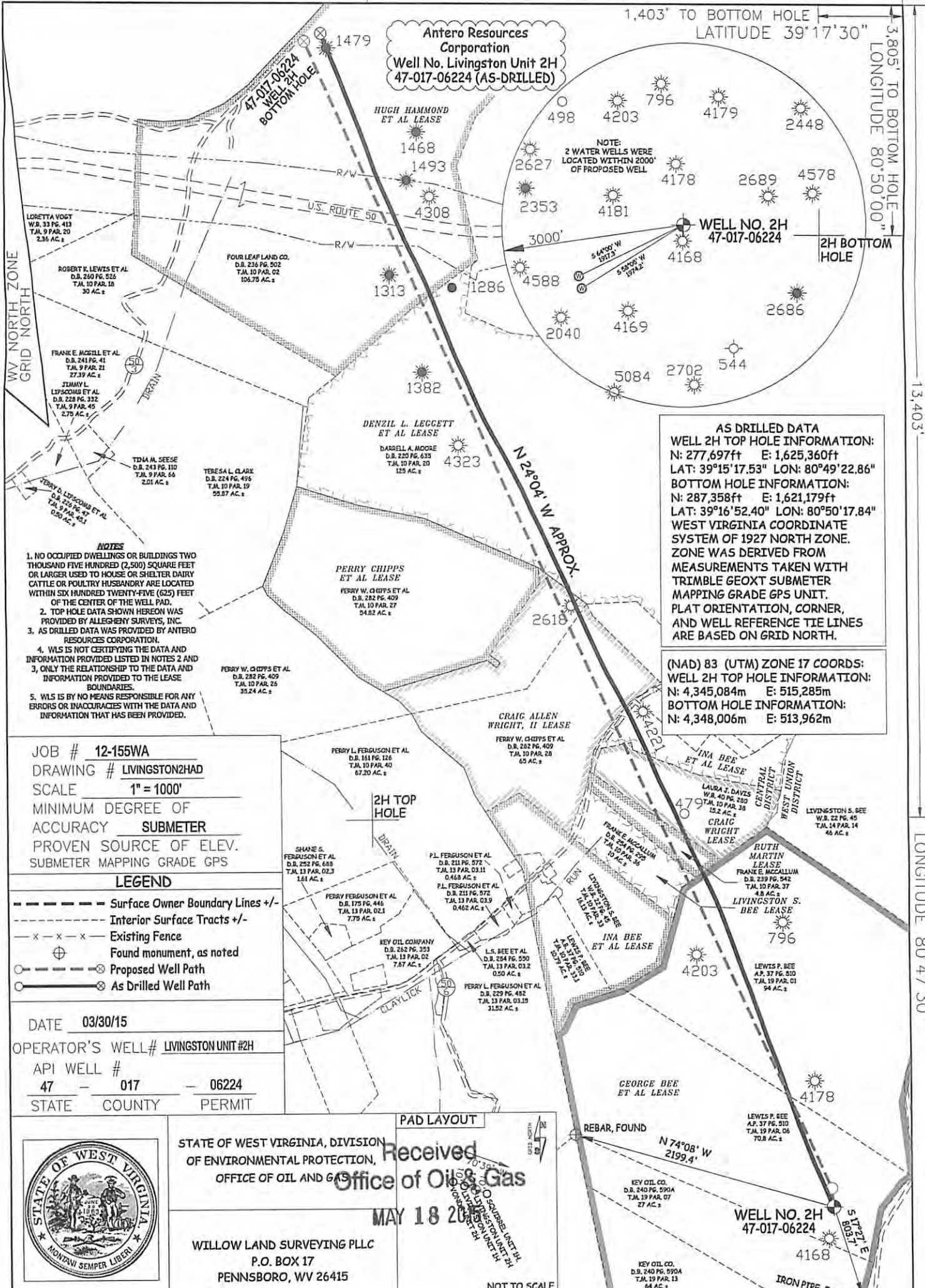
3,805' TO BOTTOM HOLE

LONGITUDE 80°50'00"

13,403'

LONGITUDE 80°47'30"

Antero Resources Corporation
Well No. Livingston Unit 2H
47-017-06224 (AS-DRILLED)



AS DRILLED DATA
WELL 2H TOP HOLE INFORMATION:
N: 277,697ft E: 1,625,360ft
LAT: 39°15'17.53" LON: 80°49'22.86"
BOTTOM HOLE INFORMATION:
N: 287,358ft E: 1,621,179ft
LAT: 39°16'52.40" LON: 80°50'17.84"
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 2H TOP HOLE INFORMATION:
N: 4,345,084m E: 515,285m
BOTTOM HOLE INFORMATION:
N: 4,348,006m E: 513,962m

- NOTES
- 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.

JOB # 12-155WA
DRAWING # LIVINGSTON2HAD
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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

DATE 03/30/15
OPERATOR'S WELL# LIVINGSTON UNIT #2H
API WELL # 47 - 017 - 06224
STATE COUNTY PERMIT



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
P.O. BOX 17
PENNSBORO, WV 26415

Received
Office of Oil & Gas
MAY 18 2015
NOT TO SCALE

STATE OF WEST VIRGINIA DEPT. OF ENERGY DIVISION OF OIL AND GAS
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1,011' ORIGINAL - 1,003' AS DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK
QUADRANGLE WEST UNION 7.5' DISTRICT WEST UNION COUNTY DODD
SURFACE OWNER LEWIS P. BEE ACREAGE 70.8 ACRES +/-
OIL & GAS ROYALTY OWNER GEORGE BEE ET AL; RUTH MARTIN; LEASE ACREAGE 356.5 AC±; 4.676 AC±;
CRAIG WRIGHT; INA BEE ET AL; CRAIG ALLEN WRIGHT, II; DENZIL L. LEGGETT ET AL; HUGH HAMMOND ET AL. 15 AC±; 27 AC±; 30.09 ±; 140 AC±; 146 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 6,581' TVD 16,613' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25313

08/05/2015