

LATITUDE 39°30'00"

5,496'

359' TO BOTTOM HOLE

LATITUDE 39°27'30"

LONGITUDE 80°50'00"

5,907' TO BOTTOM HOLE

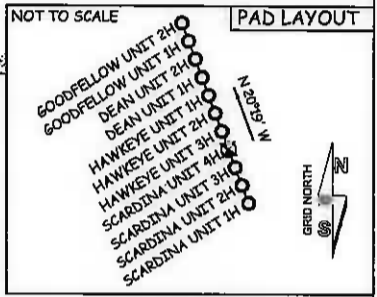
12,321'

LONGITUDE 80°50'00"

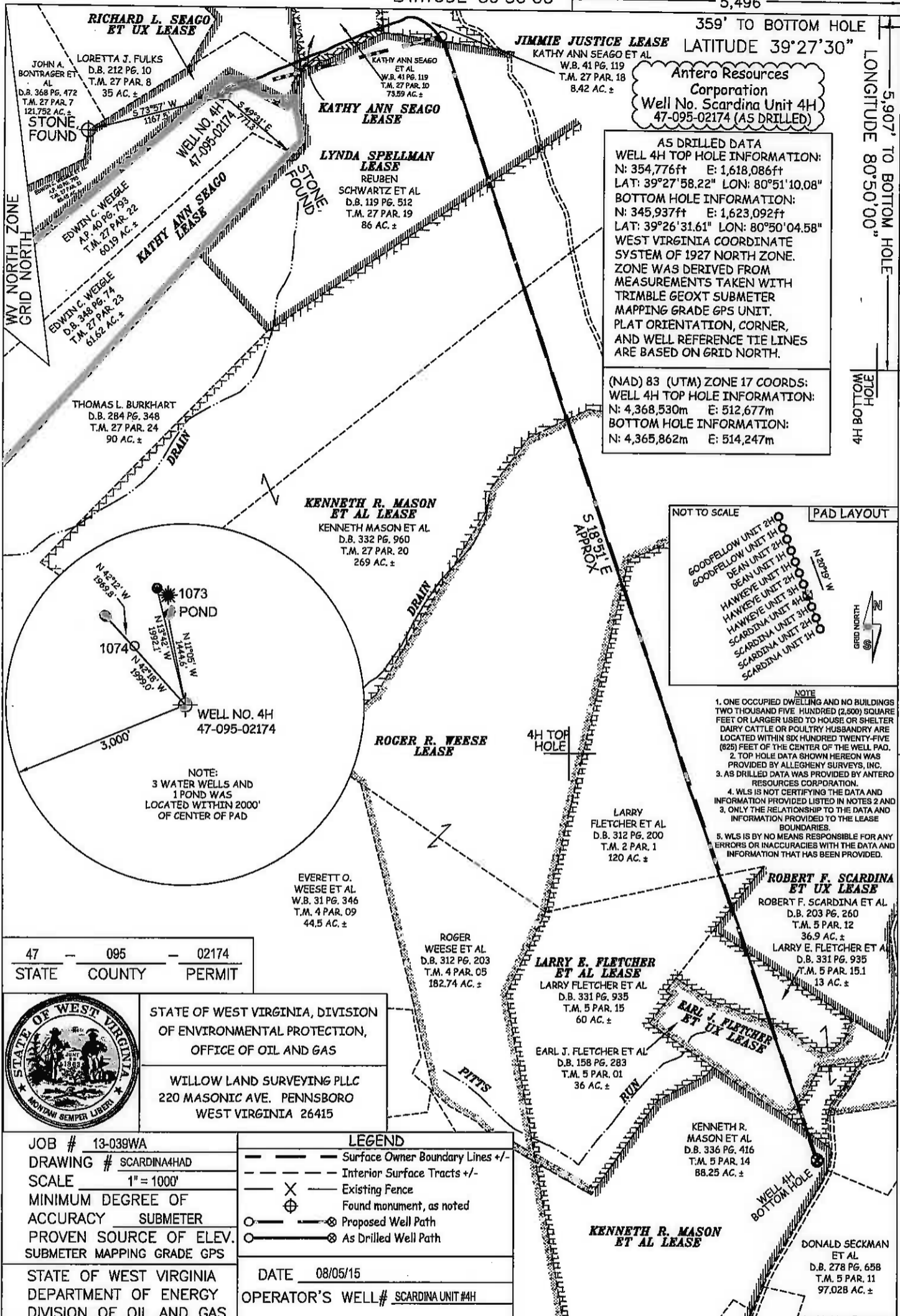
Antero Resources Corporation  
Well No. Scardina Unit 4H  
47-095-02174 (AS DRILLED)

AS DRILLED DATA  
WELL 4H TOP HOLE INFORMATION:  
N: 354,776ft E: 1,618,086ft  
LAT: 39°27'58.22" LON: 80°51'10.08"  
BOTTOM HOLE INFORMATION:  
N: 345,937ft E: 1,623,092ft  
LAT: 39°26'31.61" LON: 80°50'04.58"  
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH 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 4H TOP HOLE INFORMATION:  
N: 4,368,530m E: 512,677m  
BOTTOM HOLE INFORMATION:  
N: 4,365,862m E: 514,247m



- NOTE
- 1. ONE OCCUPIED DWELLING AND NO BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POLYTRY 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.



47 - 095 - 02174  
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 # 13-039WA  
DRAWING # SCARDINA4HAD  
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

LEGEND  
--- Surface Owner Boundary Lines +/-  
--- Interior Surface Tracts +/-  
X Existing Fence  
⊕ Found monument, as noted  
○ Proposed Well Path  
○ As Drilled Well Path  
DATE 08/05/15  
OPERATOR'S WELL# SCARDINA UNIT #4H

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION ORIGINAL 811' - AS DRILLED 817' WATERSHED OUTLET MIDDLE ISLAND CREEK  
QUADRANGLE SHIRLEY 7.5' DISTRICT ELLSWORTH COUNTY TYLER  
SURFACE OWNER EDWIN C. WEIGLE ACREAGE 60.19 ACRES +/-

OIL & GAS ROYALTY OWNER KATHY ANN SEAGO, RICHARD L. SEAGO ET UX; KATHY ANN SEAGO, LYNDA SPELLMAN, JIMMIE JUSTICE, KENNETH R. MASON ET AL; ROGER R. WEESE; LARRY E. FLETCHER ET AL; ROBERT F. SCARDINA ET UX; EARL J. FLETCHER ET UX; KENNETH R. MASON ET AL  
LEASE ACREAGE 129.2 AC ±; 85.45 AC ±; 73.59 AC ±; 86 AC ±; 8.42 AC ±; 269 AC ±; 182.74 AC ±; 197 AC ±; 36.90625 AC ±; 36 AC ±; 88.25 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 6,393' TVD, 16,709' MD  
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM  
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

10/28/2016