

LATITUDE 39°15'00"

6,287'

8,637' TO BOTTOM HOLE

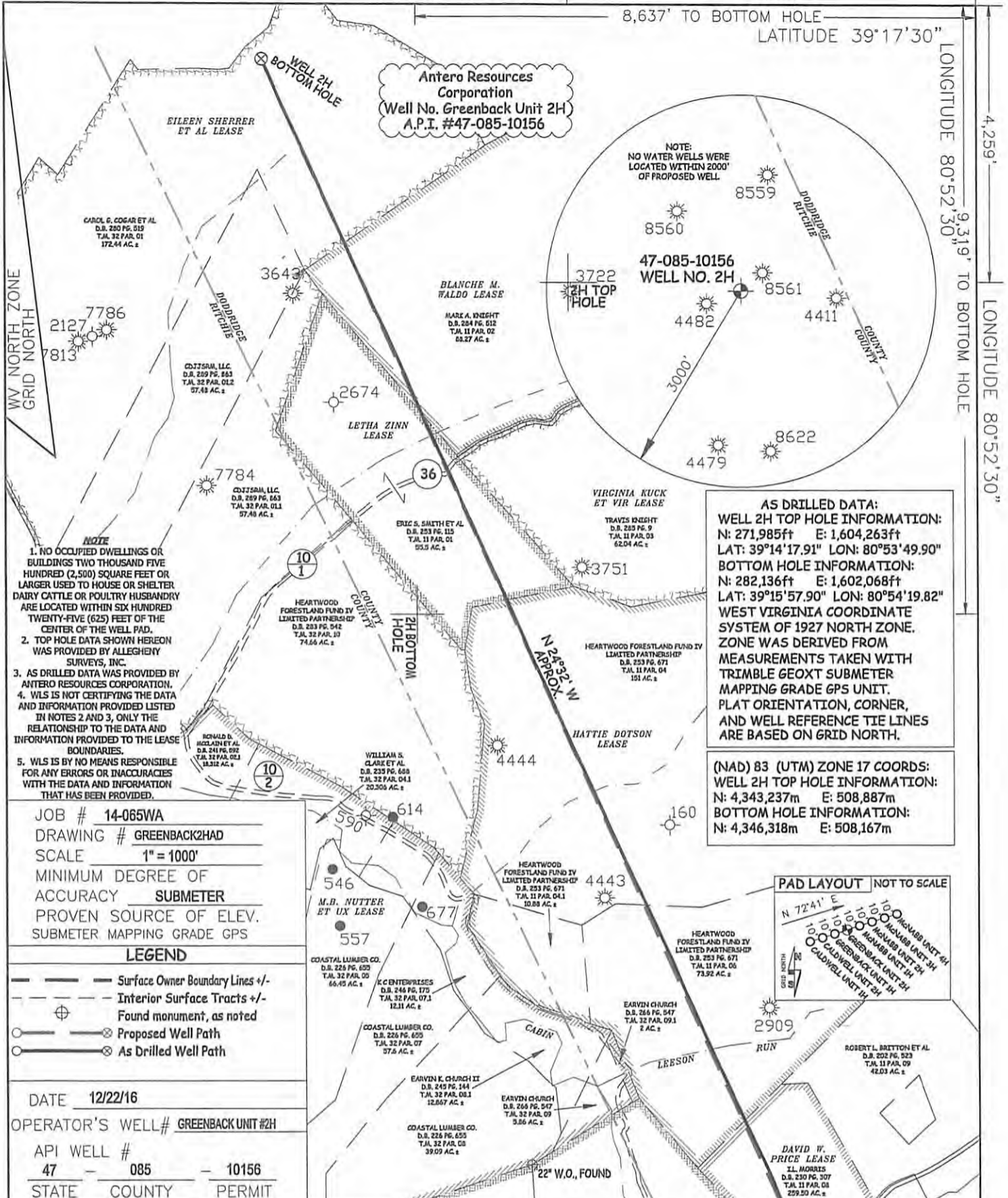
LATITUDE 39°17'30"

LONGITUDE 80°52'30"

4,259'

9,319' TO BOTTOM HOLE

LONGITUDE 80°52'30"



Antero Resources Corporation  
Well No. Greenback Unit 2H  
A.P.I. #47-085-10156

NOTE:  
NO WATER WELLS WERE  
LOCATED WITHIN 2000'  
OF PROPOSED WELL

**AS DRILLED DATA:**  
WELL 2H TOP HOLE INFORMATION:  
N: 271,985ft E: 1,604,263ft  
LAT: 39°14'17.91" LON: 80°53'49.90"  
BOTTOM HOLE INFORMATION:  
N: 282,136ft E: 1,602,068ft  
LAT: 39°15'57.90" LON: 80°54'19.82"  
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.

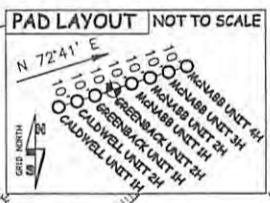
(NAD) 83 (UTM) ZONE 17 COORDS:  
WELL 2H TOP HOLE INFORMATION:  
N: 4,343,237m E: 508,887m  
BOTTOM HOLE INFORMATION:  
N: 4,346,318m E: 508,167m

- 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.

JOB # 14-065WA  
DRAWING # GREENBACK2HAD  
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

DATE 12/22/16  
OPERATOR'S WELL# GREENBACK UNIT #2H  
API WELL # 47 - 085 - 10156  
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

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 1,100' (AS DRILLED) WATERSHED NORTH FORK HUGHES RIVER  
QUADRANGLE PULLMAN 7.5' (TH) PENNSBORO 7.5' (BH) DISTRICT CLAY COUNTY RITCHIE  
SURFACE OWNER JACK D. MACKAY ET AL ACREAGE 235.03 ACRES +/-  
OIL & GAS ROYALTY OWNER WM. VANCAMPEN; ANN BATTA ET AL; DAVID W. PRICE; LEASE ACREAGE 312 AC±; 111 AC±; 105 AC±;  
HATTIE DOTSON; LETHA ZINN; VIRGINIA KUCK ET VIR; BLANCHE M. WALDO; EILEEN SHERRER ET AL 240 AC±; 55.5 AC±; 56 AC±; 95 AC±; 500 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 6,453' TVD 17,425' 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

05/26/2017

COUNTY NAME PERMIT