

LATITUDE 39°17'30"

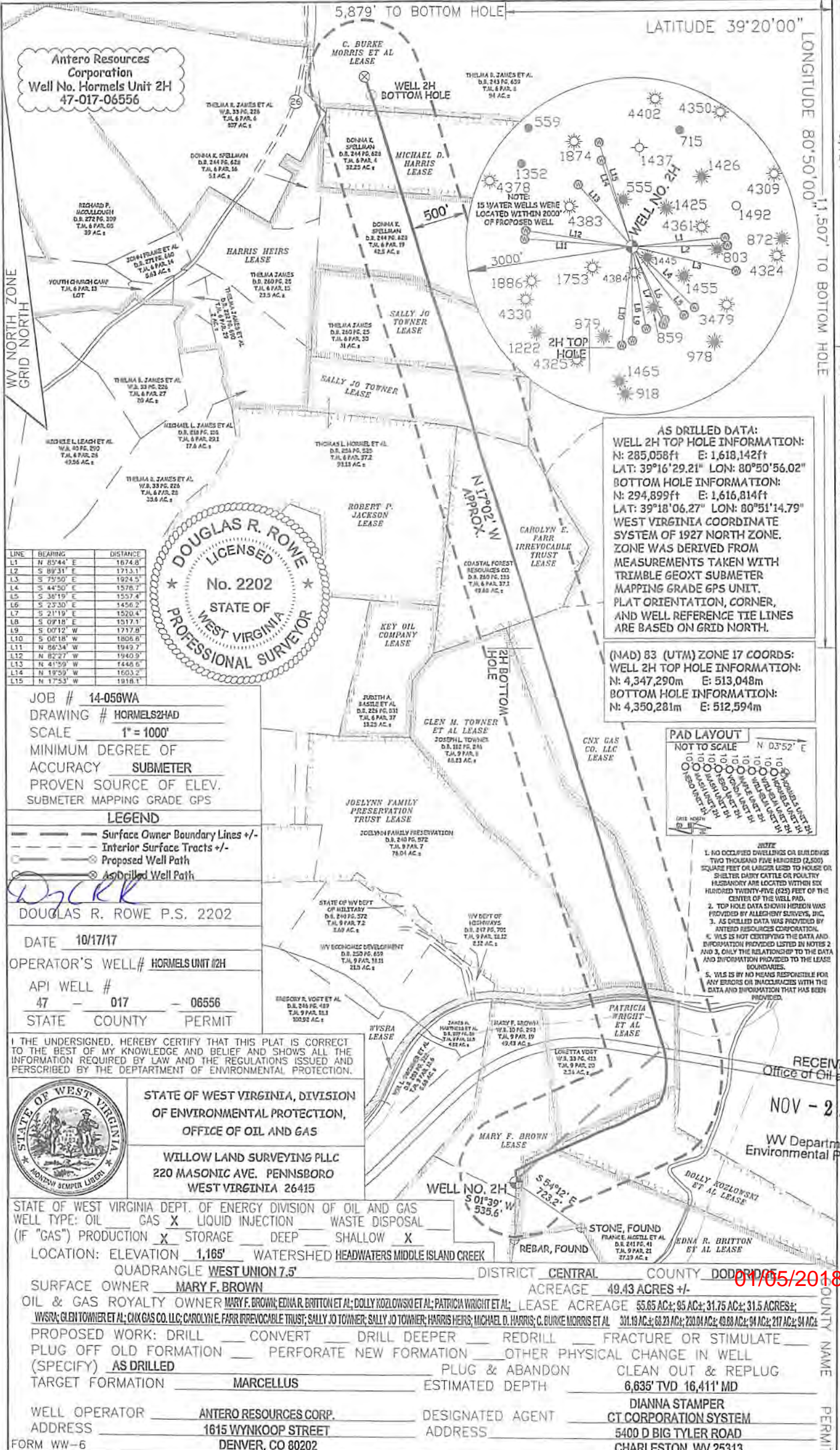
4,406'

LATITUDE 39°20'00"

LONGITUDE 80°50'00"

6,151'

LONGITUDE 80°50'00"



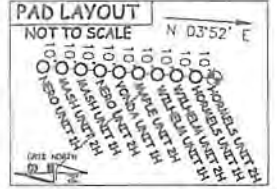
Antero Resources Corporation
Well No. Hormels Unit 2H
47-017-06556

LINE	BEARING	DISTANCE
L1	N 85°44' E	1674.8'
L2	S 89°31' E	1733.1'
L3	S 75°50' E	1924.5'
L4	S 44°50' E	1578.7'
L5	S 36°19' E	1557.4'
L6	S 25°30' E	1456.2'
L7	S 21°19' E	1520.4'
L8	S 09°18' E	1517.1'
L9	S 00°12' W	1717.9'
L10	S 06°18' W	1806.6'
L11	N 86°34' W	1949.7'
L12	N 85°27' W	1940.9'
L13	N 41°59' W	1446.6'
L14	N 19°59' W	1603.2'
L15	N 17°53' W	1918.1'



AS DRILLED DATA:
WELL 2H TOP HOLE INFORMATION:
N: 285,058ft E: 1,618,142ft
LAT: 39°16'29.21" LON: 80°50'56.02"
BOTTOM HOLE INFORMATION:
N: 294,899ft E: 1,616,814ft
LAT: 39°18'06.27" LON: 80°51'14.79"
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: 4,347,290m E: 513,048m
BOTTOM HOLE INFORMATION:
N: 4,350,281m E: 512,594m



- NOTICE**
- NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER LEAD TO HOUSES 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 SHOW HUSBANDRY 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 BY 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.

JOB # 14-056WA
DRAWING # HORMELS2HAD
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND
 - - - Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 - - - Proposed Well Path
 - - - As Drilled Well Path

DOUGLAS R. ROWE P.S. 2202
DATE 10/17/17
OPERATOR'S WELL # HORMELS UNIT #2H
API WELL # 47 - 017 - 06556
STATE COUNTY PERMIT

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND DESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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 X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 1,165' WATERSHED HEADWATERS MIDDLE ISLAND CREEK
QUADRANGLE WEST UNION 7.5' DISTRICT CENTRAL COUNTY DODD RIDGE
SURFACE OWNER MARY F. BROWN ACREAGE 49.43 ACRES +/-
OIL & GAS ROYALTY OWNER MARY F. BROWN; EDNA R. BRITTON ET AL; DOLLY KOZLOWSKI ET AL; PATRICIA WRIGHT ET AL; LEASE ACREAGE 55.65 AC±; 95 AC±; 31.75 AC±; 31.5 ACRES±;
WYSRA; GLEN TOWNER ET AL; CHX GAS CO. LLC; CAROLYN E. FARR IRREVOCABLE TRUST; SALLY JO TOWNER; SALLY JO TOWNER; HARRIS HEIRS; MICHAEL D. HARRIS; C. BURKE MORRIS ET AL 301.19 AC±; 68.23 AC±; 220.04 AC±; 49.88 AC±; 94 AC±; 217 AC±; 94 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
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,635' TVD 16,411' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

01/05/2018

RECEIVED
Office of Oil and Gas
NOV - 2 2017
WV Department of Environmental Protection

COUNTY NAME PERMIT