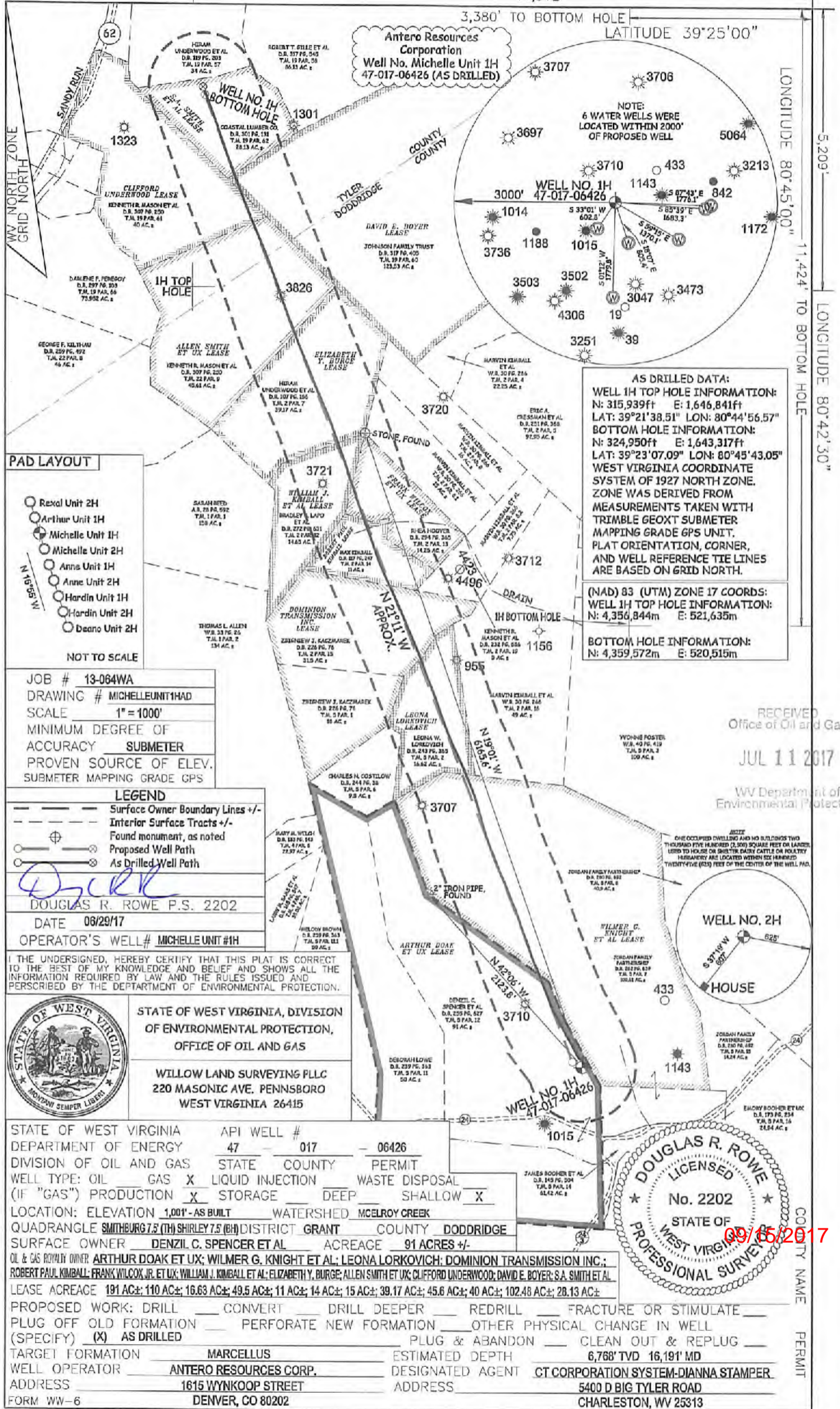


LATITUDE 39°22'30"

11,512'

3,380' TO BOTTOM HOLE

LATITUDE 39°25'00"

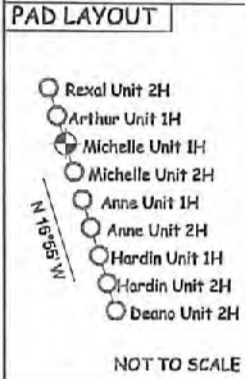


Antero Resources Corporation
Well No. Michelle Unit 1H
47-017-06426 (AS DRILLED)

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
 N: 315,939ft E: 1,646,841ft
 LAT: 39°21'38.51" LON: 80°44'56.57"
BOTTOM HOLE INFORMATION:
 N: 324,950ft E: 1,643,317ft
 LAT: 39°23'07.09" LON: 80°45'43.05"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLATT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
 N: 4,356,844m E: 521,635m

BOTTOM HOLE INFORMATION:
 N: 4,359,572m E: 520,515m



JOB # 13-064WA
 DRAWING # MICHELLEUNIT1HAD
 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

D. Rowe
 DOUGLAS R. ROWE P.S. 2202
 DATE 06/29/17
 OPERATOR'S WELL# MICHELLE UNIT #1H

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 RULES ISSUED AND PERSCRIBED 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 DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
 API WELL # 47-017-06426 PERMIT
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,001' - AS BUILT WATERSHED MCELROY CREEK
 QUADRANGLE SMITHBURG 7.5 (TH) SHIRLEY 7.5 (CH) DISTRICT GRANT COUNTY DODDRIDGE
 SURFACE OWNER DENZIL C. SPENCER ET AL ACREAGE 91 ACRES +/-
 OIL & GAS ROYALTY OWNER ARTHUR DOAK ET UX; WILMER G. KNIGHT ET AL; LEONA LORKOVICH; DOMINION TRANSMISSION INC.; ROBERT PAUL KIMBALL; FRANK WILCOX JR. ET UX; WILLIAM J. KIMBALL ET AL; ELIZABETH Y. BURGE; ALLEN SMITH ET UX; CLIFFORD UNDERWOOD; DAVID E. BOYER; S.A. SMITH ET AL

LEASE ACREAGE 191 AC±; 110 AC±; 16.63 AC±; 49.5 AC±; 11 AC±; 14 AC±; 15 AC±; 39.17 AC±; 45.6 AC±; 40 AC±; 102.48 AC±; 28.13 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 6,768' TVD 16,191' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM-DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313



RECEIVED
 Office of Oil and Gas
 JUL 11 2017
 WV Department of Environmental Protection

COUNTY NAME PERMIT