

LATITUDE 39°20'00"

8,664'

6,714' TO BOTTOM HOLE

LATITUDE 39°17'30"

LONGITUDE 80°50'00"

4,706' TO BOTTOM HOLE

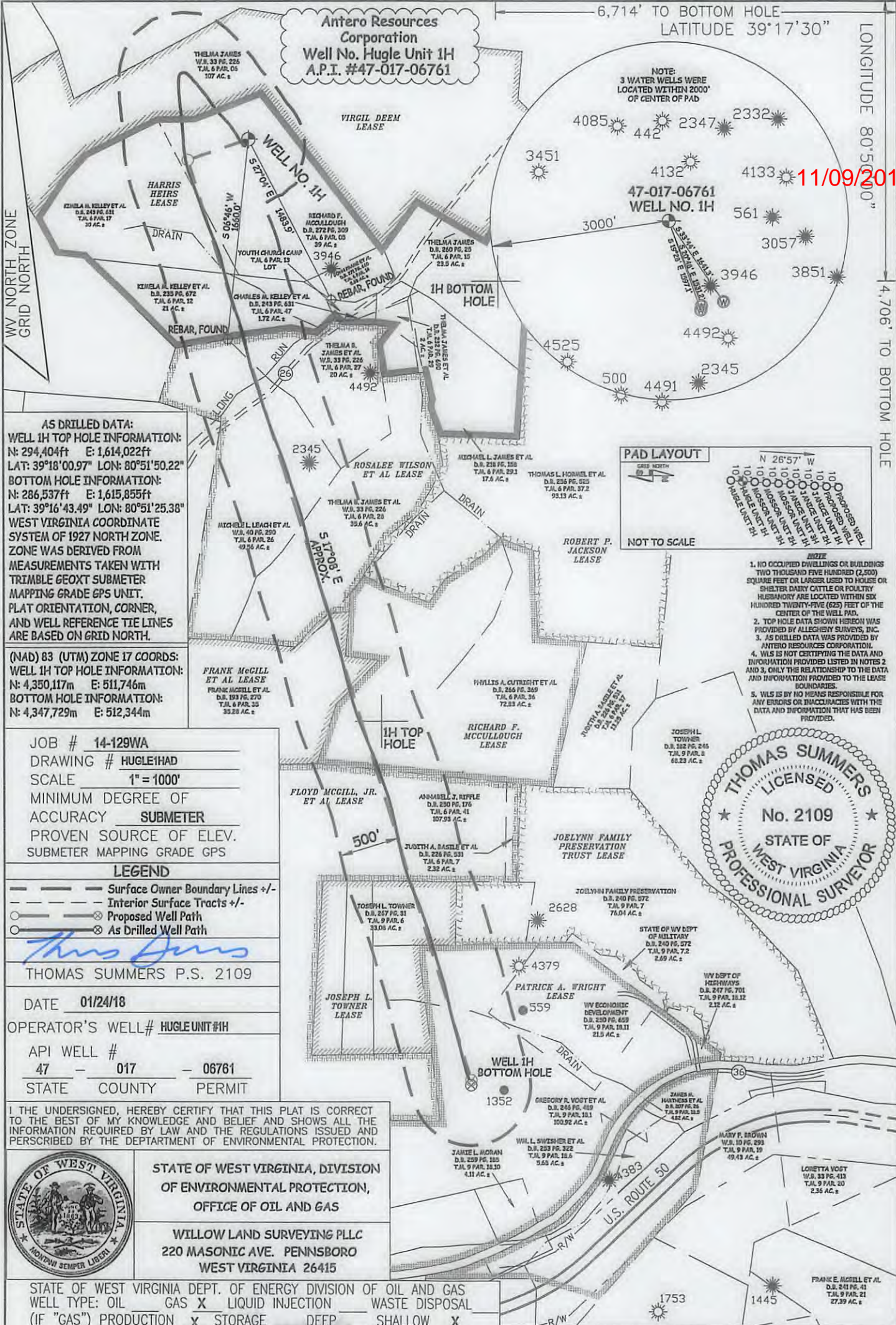
12,043'

LONGITUDE 80°50'00"

Antero Resources Corporation
Well No. Hugel Unit 1H
A.P.I. #47-017-06761

NOTE:
3 WATER WELLS WERE
LOCATED WITHIN 2000'
OF CENTER OF PAD

11/09/2018



AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 294,404ft E: 1,614,022ft
LAT: 39°18'00.97" LON: 80°51'50.22"
BOTTOM HOLE INFORMATION:
N: 286,537ft E: 1,615,855ft
LAT: 39°16'43.49" LON: 80°51'25.38"
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 1H TOP HOLE INFORMATION:
N: 4,350,117m E: 511,746m
BOTTOM HOLE INFORMATION:
N: 4,347,729m E: 512,344m

JOB # 14-129WA
DRAWING # HUGLE1HAD
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

THOMAS SUMMERS P.S. 2109

DATE 01/24/18

OPERATOR'S WELL# HUGLEUNIT#1H

API WELL #
47 - 017 - 06761
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
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 DEPT. OF ENERGY DIVISION OF OIL AND GAS
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,021' - AS DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK
QUADRANGLE WEST UNION 7.5' DISTRICT CENTRAL COUNTY DODDRIDGE

SURFACE OWNER RICHARD F. MCCULLOUGH ACREAGE 39 ACRES +/-
OIL & GAS ROYALTY OWNER HARRIS HEIRS; VIRGIL DEEM; ROSALEE WINLSON ET AL; LEASE ACREAGE 217 AC±; 107 AC±; 100 AC±;
FRANK MCGILL ET AL; RICHARD F. MCCULLOUGH; FLOYD MCGILL, JR. ET AL; JOSEPH L. TOWNER; PATRICK A WRIGHT 106 AC±; 72.83 AC±; 107 AC±; 33 AC±; 222 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 6,537' TVD 15,138' 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

COUNTY NAME PERMIT