

LATITUDE 39°22'30"

11,497'

7,830' TO BOTTOM HOLE
LATITUDE 39°22'30"

5,257'

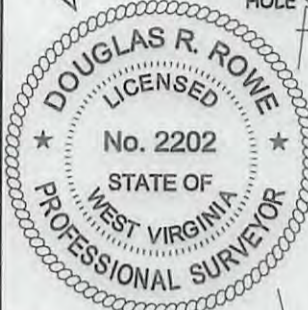
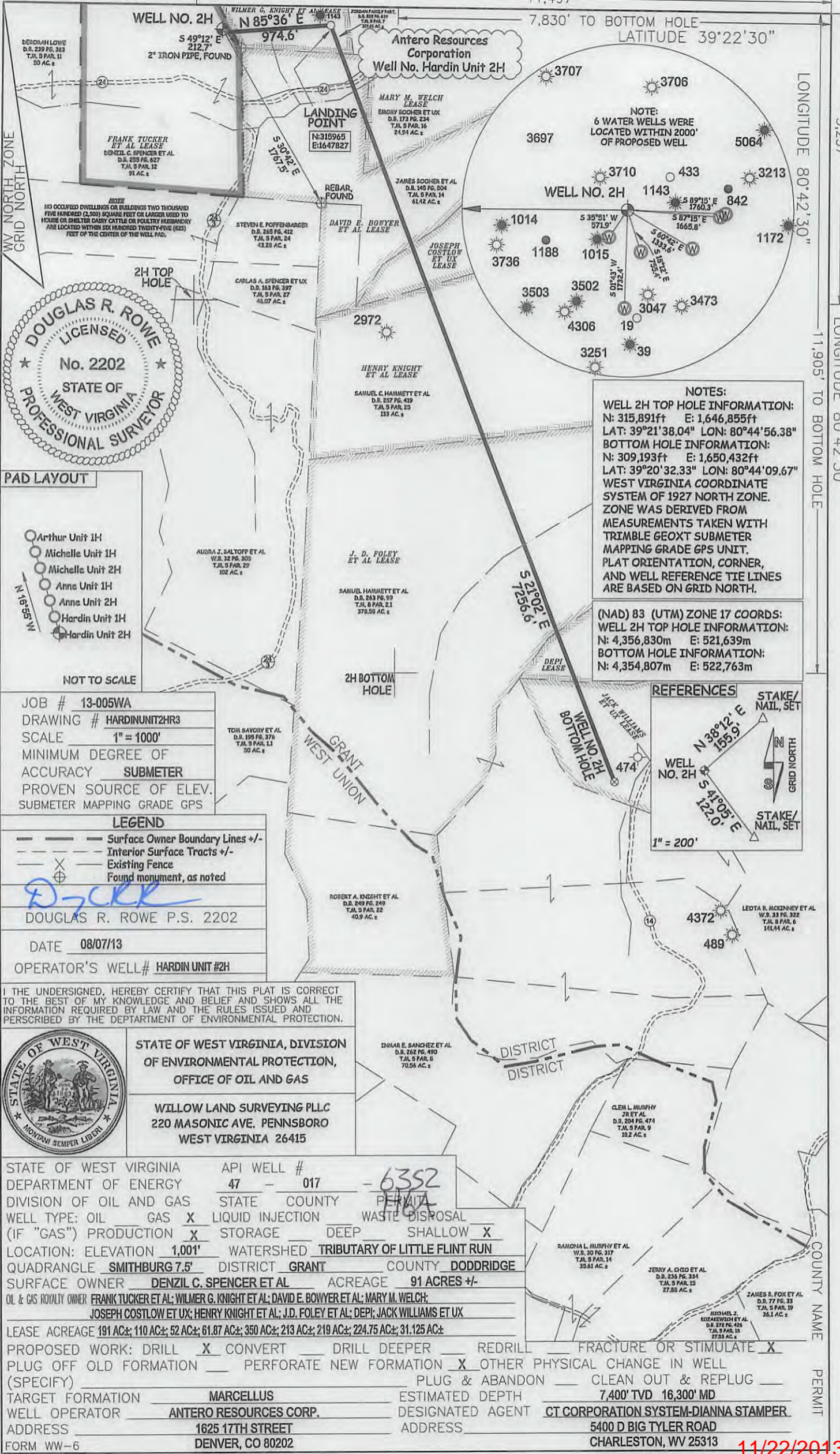
LONGITUDE 80°42'30"

LONGITUDE 80°42'30"

11,905' TO BOTTOM HOLE

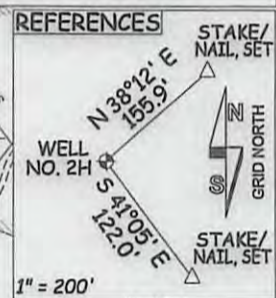
COUNTY NAME

PERMIT



NOTES:
WELL 2H TOP HOLE INFORMATION:
N: 315,891ft E: 1,646,855ft
LAT: 39°21'38.04" LON: 80°44'56.38"
BOTTOM HOLE INFORMATION:
N: 309,193ft E: 1,650,432ft
LAT: 39°20'32.33" LON: 80°44'09.67"
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: 4,356,830m E: 521,639m
BOTTOM HOLE INFORMATION:
N: 4,354,807m E: 522,763m



JOB # 13-005WA
DRAWING # HARDINUNIT2HR3
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND
--- Surface Owner Boundary Lines +/-
--- Interior Surface Tracts +/-
--- Existing Fence
⊕ Found monument, as noted

DOUGLAS R. ROWE P.S. 2202
DATE 08/07/13
OPERATOR'S WELL# HARDIN UNIT #2H

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 - 6352

STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,001' WATERSHED TRIBUTARY OF LITTLE FLINT RUN

QUADRANGLE SMITHBURG 7.5' DISTRICT GRANT COUNTY DODDRIDGE

SURFACE OWNER DENZIL C. SPENCER ET AL ACREAGE 91 ACRES +/-

OIL & GAS ROYALTY OWNER FRANK TUCKER ET AL; WILMER G. KNIGHT ET AL; DAVID E. BOWYER ET AL; MARY M. WELCH; JOSEPH COSTLOW ET UX; HENRY KNIGHT ET AL; J.D. FOLEY ET AL; DEPI; JACK WILLIAMS ET UX

LEASE ACREAGE 191 AC±; 110 AC±; 52 AC±; 61.87 AC±; 350 AC±; 213 AC±; 219 AC±; 224.75 AC±; 31.125 AC±

PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___ PLUG & ABANDON ___ CLEAN OUT & REPLUG ___

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,400' TVD 16,300' MD

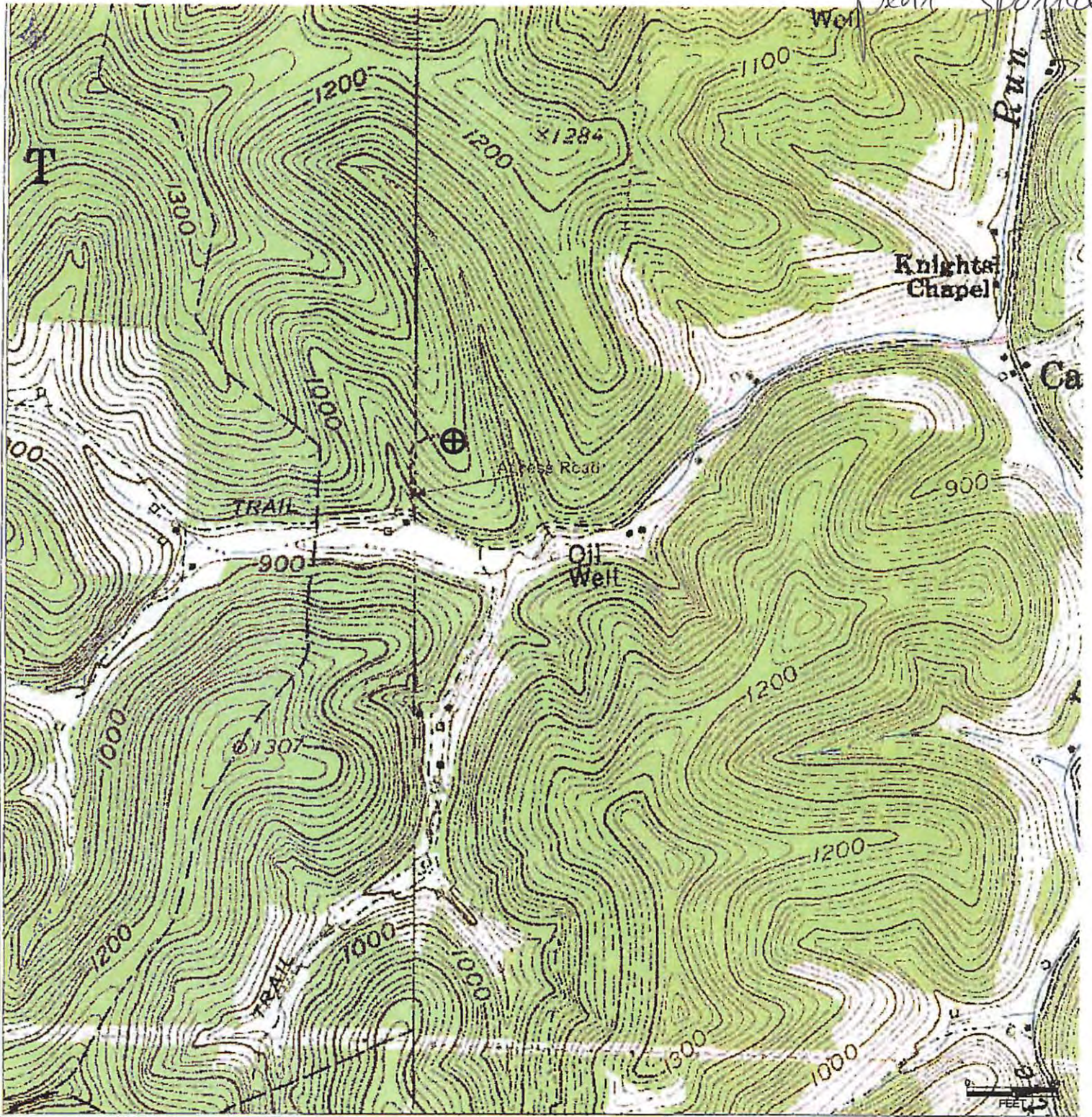
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM-DIANNA STAMPER

ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD

FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

11/22/2013

plat spotted



PETRA 02/2013 8:47:10 AM

*DCW
9-30-2017*

17 06352

Antero Resources Corporation

Hardin Unit 2H
Misery Pad

Doddridge County

0 641 1,282

FEET

Office of Oil and Gas

WV Dept. of Environmental Protection

REMARKS

QUADRANGLE: Smithburg
WATERSHED: Tributary of Little Flint Run
DISTRICT: Grant