

LATITUDE 39°22'30"

11,500'

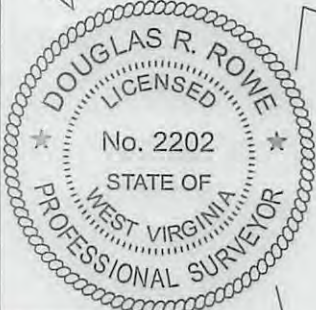
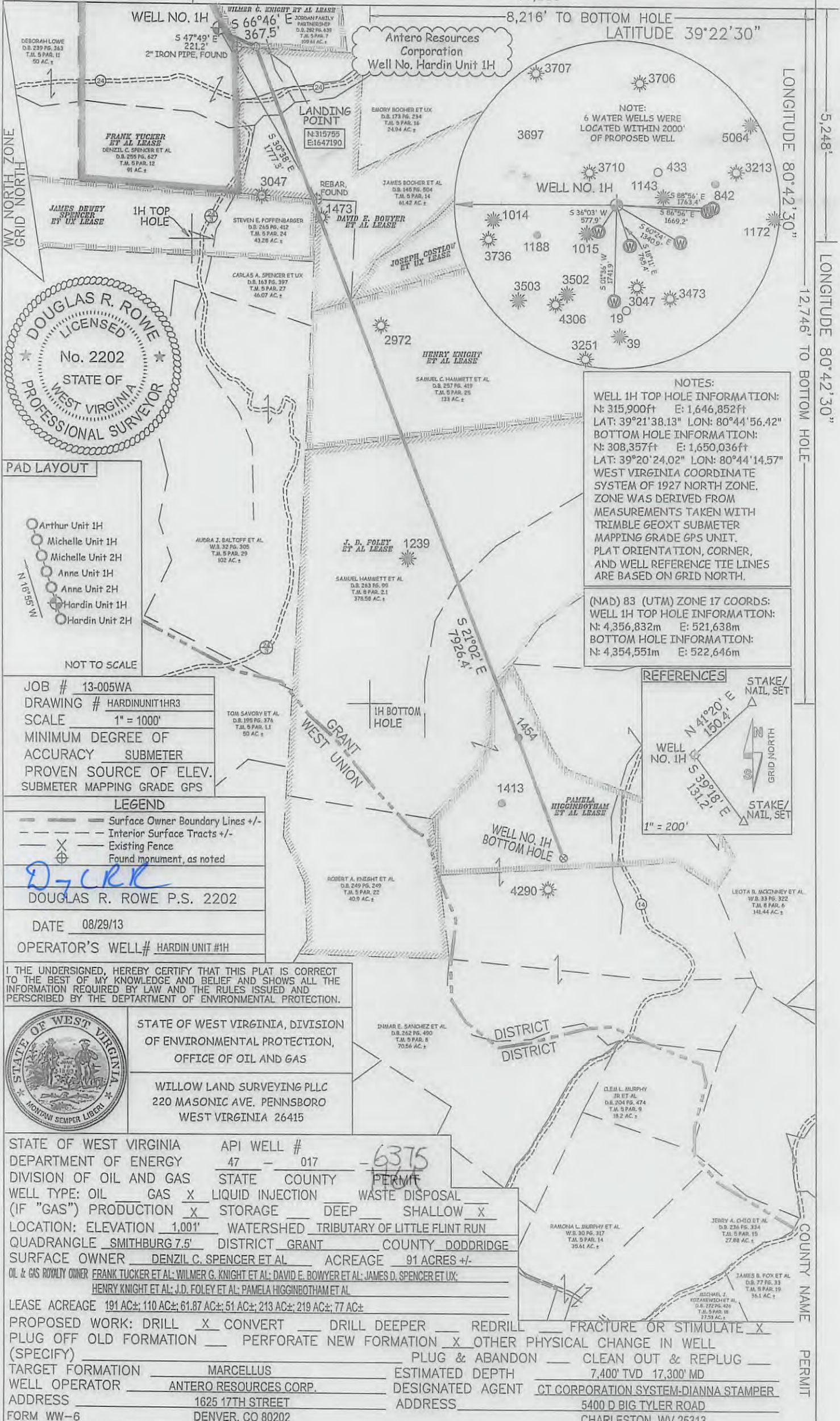
8,216' TO BOTTOM HOLE
LATITUDE 39°22'30"

5,248'

LONGITUDE 80°42'30"

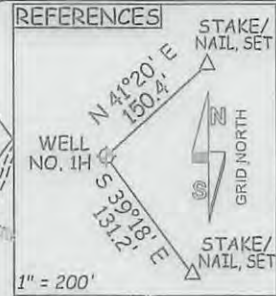
12,746' TO BOTTOM HOLE

COUNTY NAME PERMIT



NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 315,900ft E: 1,646,852ft
 LAT: 39°21'38.13" LON: 80°44'56.42"
 BOTTOM HOLE INFORMATION:
 N: 308,357ft E: 1,650,036ft
 LAT: 39°20'24.02" LON: 80°44'14.57"
 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: 4,356,832m E: 521,638m
 BOTTOM HOLE INFORMATION:
 N: 4,354,551m E: 522,646m



JOB # 13-005WA
 DRAWING # HARDINUNIT1HR3
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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

DOUGLAS R. ROWE P.S. 2202
 DATE 08/29/13
 OPERATOR'S WELL# HARDIN 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 - 6375

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; JAMES D. SPENCER ET AL; HENRY KNIGHT ET AL; J.D. FOLEY ET AL; PAMELA HIGGINBOTHAM ET AL

LEASE ACREAGE 191 AC±; 110 AC±; 61.87 AC±; 51 AC±; 213 AC±; 219 AC±; 77 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 17,300' 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

Plot spotted



PETRA 6/26/2013 8:47:36 AM

Antero Resources Corporation

Hardin Unit 1H

Misery Pad

Doddridge County



REMARKS

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

DCW
Received
Office of Oil & Gas
9-30-13

OCT - 4 2013