

LATITUDE 39°20'00"

7,440'

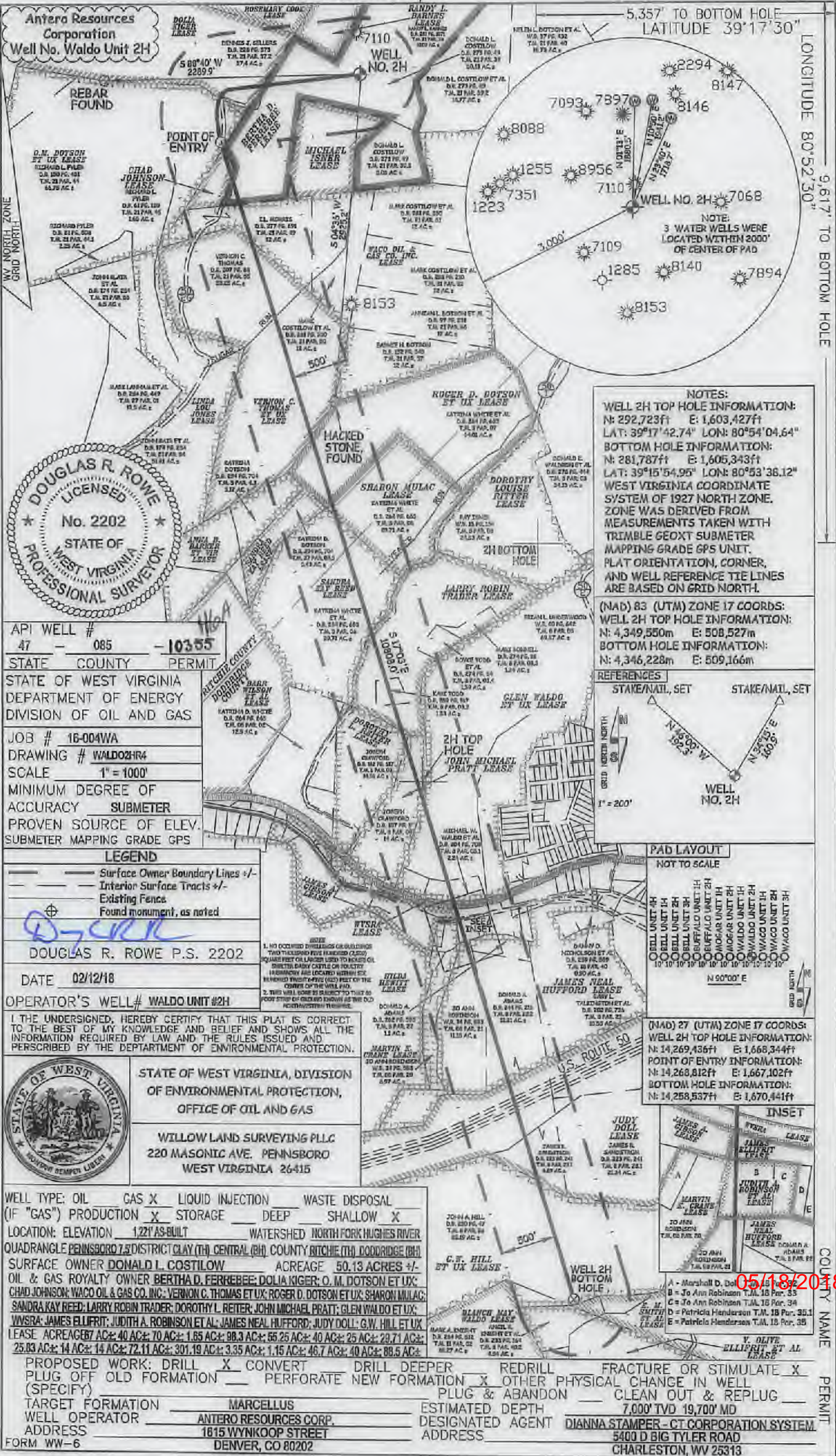
5,357' TO BOTTOM HOLE
LATITUDE 39°17'30"

LONGITUDE 80°52'30"

9,617' TO BOTTOM HOLE

13,887'

LONGITUDE 80°52'30"



Antero Resources Corporation
Well No. Waldo Unit 2H

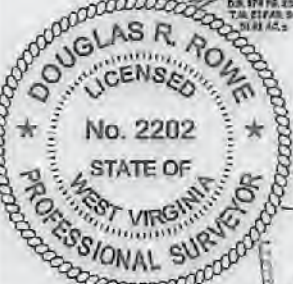
REBAR FOUND

D.M. DOTSON ET UX LEASE
D.M. DOTSON
D.B. 277 PG. 372
TAL. 21 PAR. 372
374 AC.

CHAD JOHNSON LEASE
CHAD JOHNSON
D.B. 41 PG. 129
TAL. 21 PAR. 129
140 AC.

WELL NO. 2H

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



API WELL # 47 - 085 - 10355

STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

JOB # 16-004WA
DRAWING # WALDO2HR4
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 02/12/18

OPERATOR'S WELL# WALDO 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

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 1,221 AS-BUILT WATERSHED NORTH FORK HUGHES RIVER

QUADRANGLE PENNSBORO 7.5 DISTRICT CLAY (TH) CENTRAL (BH) COUNTY RITCHEY (TH) DODDRIDGE (BH)

SURFACE OWNER DONALD L. COSTILOW ACREAGE 50.13 ACRES +/-

OIL & GAS ROYALTY OWNER BERTHA D. FERREBEE; DOLIA KIGER; O. M. DOTSON ET UX;

CHAD JOHNSON; WACO OIL & GAS CO. INC.; VERNON C. THOMAS ET UX; ROGER D. DOTSON ET UX; SHARON MULAC;

SANDRA KAY REED; LARRY ROBIN TRADER; DOROTHY L. REITER; JOHN MICHAEL PRATT; GLEN WALDO ET UX;

WVSA; JAMES ELLIFRIT; JUDITH A. ROBINSON ET AL.; JAMES NEAL HUFFORD; JUDY DOLL; G.W. HILL ET UX;

LEASE ACREAGE 87 AC.; 40 AC.; 70 AC.; 1.85 AC.; 98.3 AC.; 55.25 AC.; 40 AC.; 25 AC.; 29.71 AC.;

25.83 AC.; 14 AC.; 14 AC.; 72.11 AC.; 301.19 AC.; 3.35 AC.; 1.15 AC.; 46.7 AC.; 40 AC.; 88.5 AC.;

PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X

PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL

(SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,000' TVD 19,700' MD

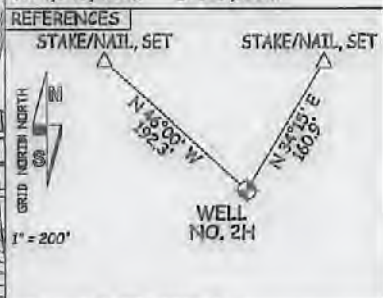
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM

ADDRESS 1815 WYNNKOP STREET ADDRESS 5400 D BIG TYLER ROAD

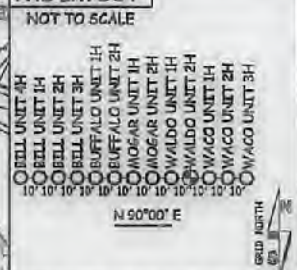
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

NOTES:
WELL 2H TOP HOLE INFORMATION:
N: 292,723ft E: 1,603,427ft
LAT: 39°17'42.74" LON: 80°54'04.64"
BOTTOM HOLE INFORMATION:
N: 281,787ft E: 1,605,343ft
LAT: 39°15'54.95" LON: 80°53'38.12"
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: 4,349,550m E: 508,527m
BOTTOM HOLE INFORMATION:
N: 4,346,228m E: 509,166m



PAD LAYOUT

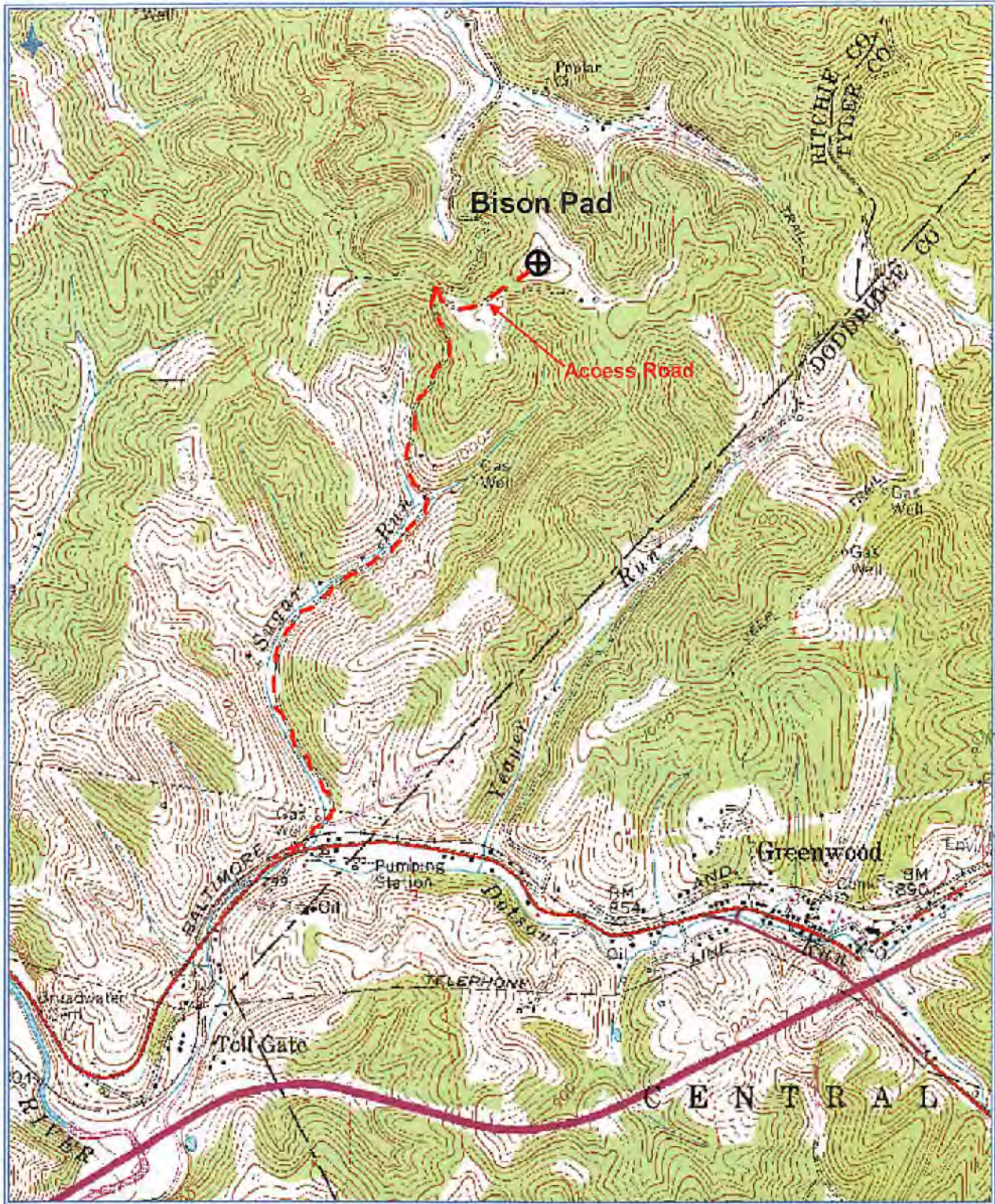


(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 2H TOP HOLE INFORMATION:
N: 14,269,436ft E: 1,668,344ft
POINT OF ENTRY INFORMATION:
N: 14,268,812ft E: 1,667,102ft
BOTTOM HOLE INFORMATION:
N: 14,258,537ft E: 1,670,441ft



05/18/2018

COUNTY NAME PERMIT



RECEIVED
Office of Oil and Gas
FEB 21 2018
Department of Environmental Protection

Antero Resources Corporation
Appalachian Basin
Waldo Unit 2H
Ritchie County
Quadrangle: Pennsboro
Watershed: North Fork Hughes River
District: Clay
Date: 7-20-2015