

LATITUDE 39°20'00"

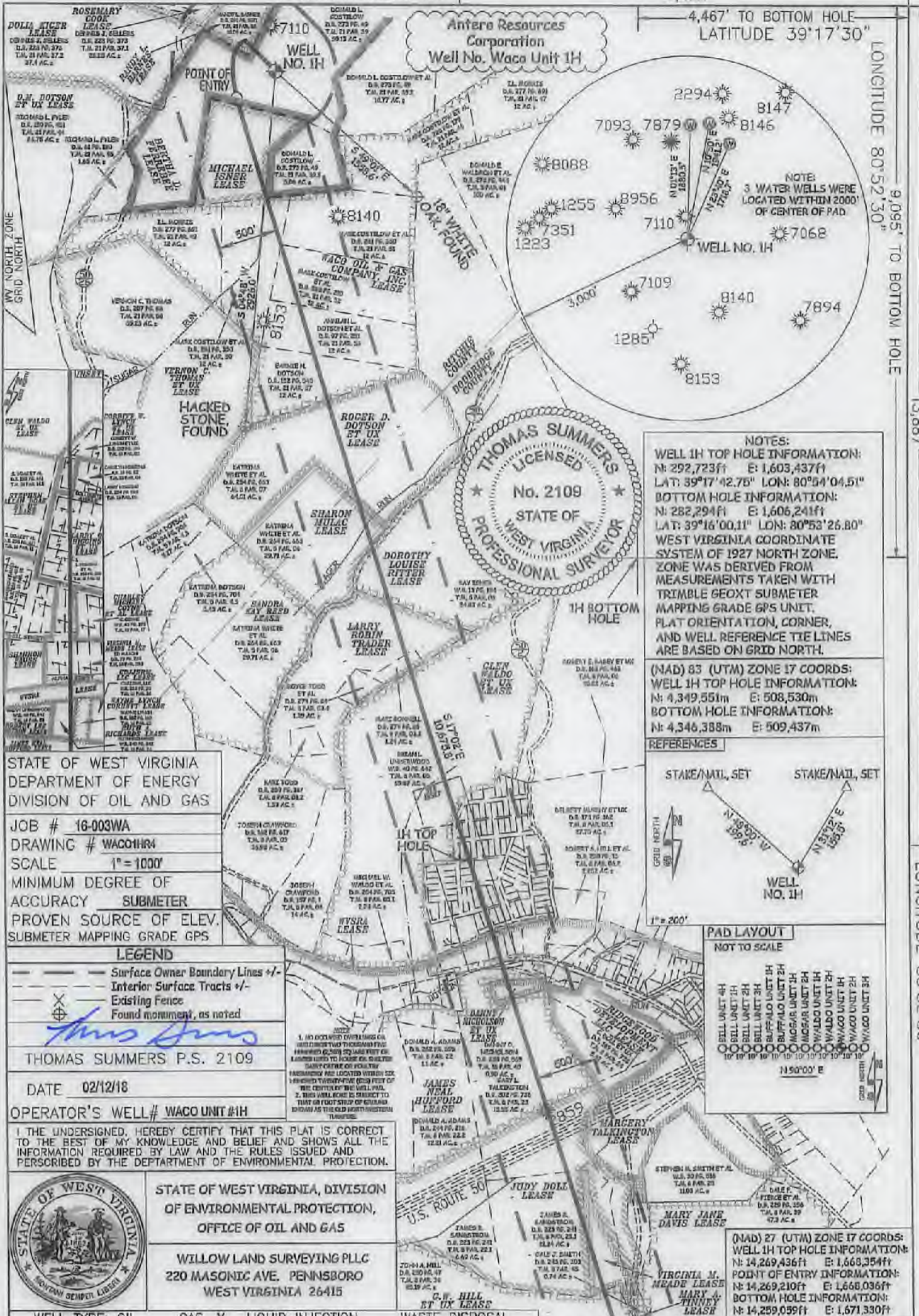
7,430'

4,467' TO BOTTOM HOLE  
LATITUDE 39°17'30"

LONGITUDE 80°52'30"

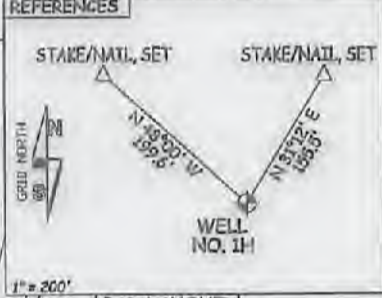
13,887'

LONGITUDE 80°52'30"



NOTES:  
WELL 1H TOP HOLE INFORMATION:  
N: 292,723ft E: 1,603,437ft  
LAT: 39°17'42.76" LON: 80°54'04.51"  
BOTTOM HOLE INFORMATION:  
N: 282,294ft E: 1,606,241ft  
LAT: 39°16'00.11" LON: 80°53'26.80"  
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: 4,349,551m E: 508,530m  
BOTTOM HOLE INFORMATION:  
N: 4,346,388m E: 509,437m



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

JOB # 16-003WA  
DRAWING # WACO1HRA  
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

THOMAS SUMMERS P.S. 2109

DATE 02/12/18  
OPERATOR'S WELL # WACO 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

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 RITCHIE (TH) DODDRIDGE (BH)

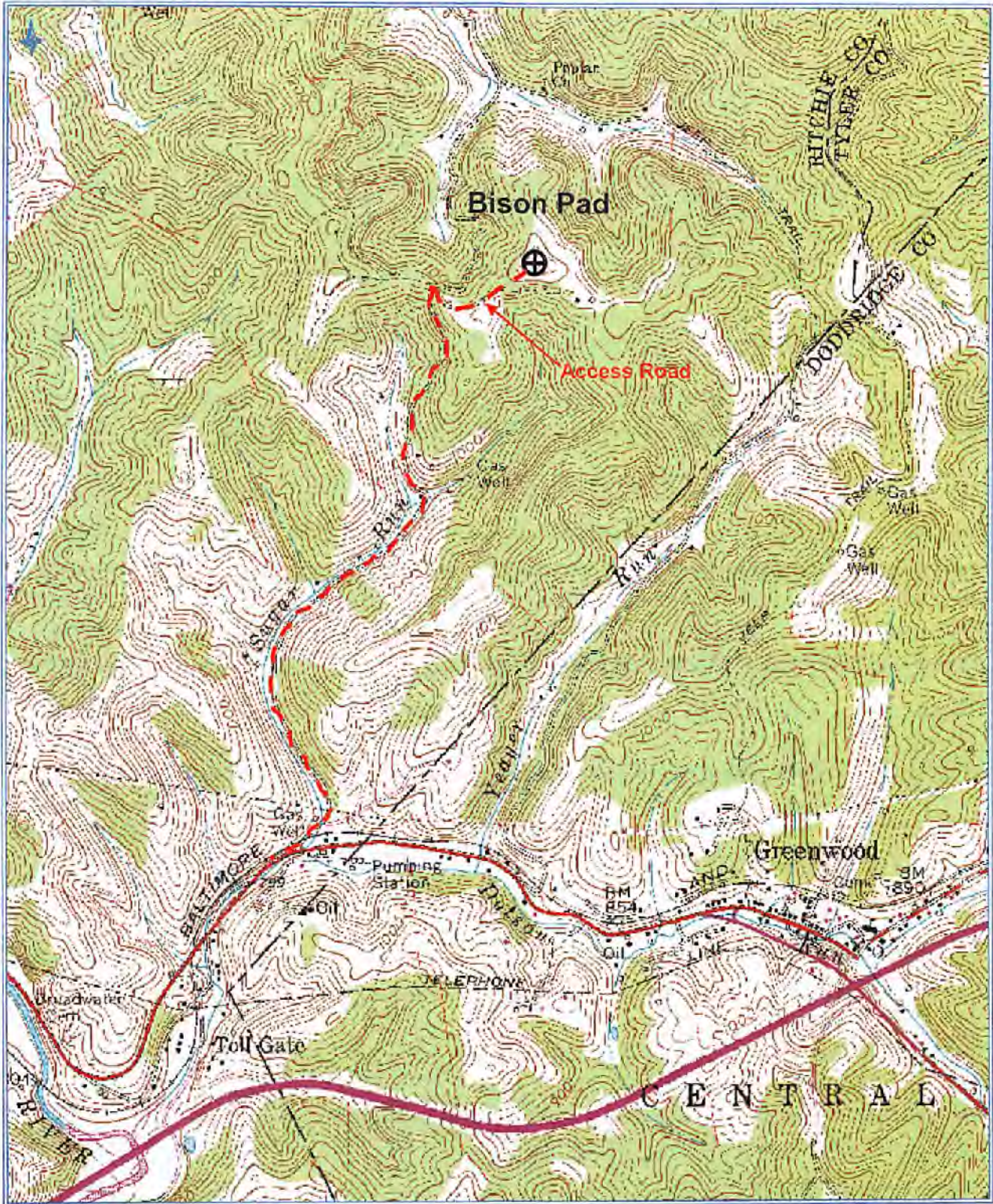
SURFACE OWNER DONALD L. COSTILOW ACREAGE 50.13 ACRES +/-

OIL & GAS ROYALTY OWNER BERTHA D. FERREBEE; RANDY L. BARNES; MICHAEL ISNER; WACO OIL & GAS CO. INC.; LEASE ACREAGE 67 AC±; 10.75 AC±; 98.3 AC±;  
ROGER D. DOTSON ET UX; SHARON MULAC; DOROTHY LOUISE RITTER; LARRY ROBIN TRADER; GLEN WALDO ET UX; 40 AC±; 25 AC±; 24.5 AC±; 25.83 AC±; 72.11 AC±;  
CORBITT W. LYNCH ET UX; LARRY Q. HIGGINS ET UX; VIRGINIA M. MEADE; WVRS; RUTH A. RICHARDS; 10.08 AC±; 2.95 AC±; 4.05 AC±; 301.19 AC±; 0.38 AC±;  
JAMES NEAL HUFFORD; DANNY NICHOLSON ET UX; JUDY DOLL; VIRGINIA M. MEADE; G.W. HILL ET UX; 46.7 AC±; 1.73 AC±; 40 AC±; 4.23 AC±; 47 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 18,800' MD  
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM  
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

API WELL # 47 - 085 - 10354  
STATE COUNTY 05/18/2018





**Antero Resources Corporation**  
 Appalachian Basin  
 Waco Unit 1H  
 Ritchie County  
 Quadrangle: Pennsboro  
 Watershed: North Fork Hughes River  
 District: Clay  
 Date: 7-20-2015

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