

LATITUDE 39°20'00"

7,420'

LATITUDE 39°17'30"

3,548' TO BOTTOM HOLE

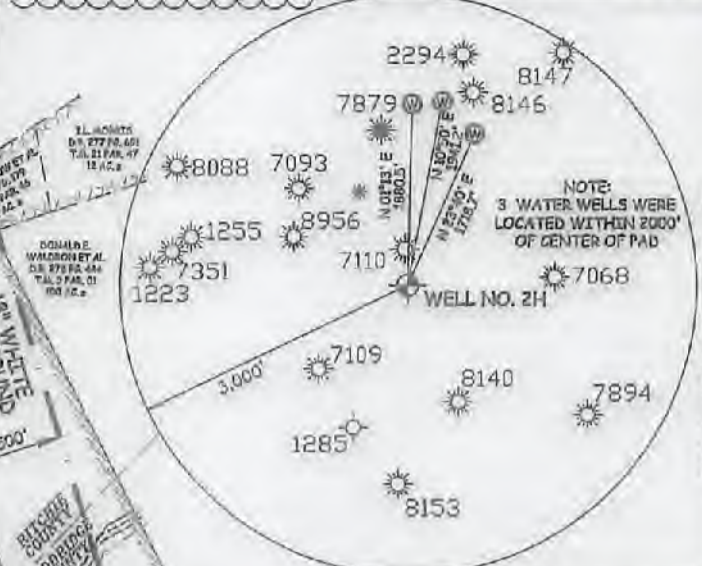
Antero Resources Corporation Well No. Waco Unit 2H

API WELL # 47-085-10356 STATE COUNTY PERMIT

(NAD) 27 (UTM) ZONE 17 COORDS: WELL 2H TOP HOLE INFORMATION: N: 14,269,437ft E: 1,668,364ft POINT OF ENTRY INFORMATION: N: 14,269,606ft E: 1,668,962ft BOTTOM HOLE INFORMATION: N: 14,259,480ft E: 1,672,249ft

STEPHEN OLDAKER LEASE SANDRA FERREBEE LEASE STEPHEN OLDAKER LEASE STEPHEN COLVIN LEASE STEPHEN COLVIN LEASE RICHARD MATTHEW BUSH ET UX LEASE ROCKWOOD MINERAL HOLDING LEASE

POINT OF ENTRY WELL NO. 2H DONALD L. COSTILOW ET UX DONALD COSTILOW ET UX DONALD COSTILOW ET UX DONALD COSTILOW ET UX DONALD WADSWORTH ET UX



NOTES: WELL 2H TOP HOLE INFORMATION: N: 292,723ft E: 1,603,447ft LAT: 39°17'42.75" LON: 80°54'04.38" BOTTOM HOLE INFORMATION: N: 282,700ft E: 1,607,167ft LAT: 39°16'04.26" LON: 80°53'15.11" WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 660XT 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: 4,349,551m E: 508,533m BOTTOM HOLE INFORMATION: N: 4,346,516m E: 509,717m



WACO OIL & GAS CO. INC. LEASE ALICE COSTILOW ET UX LEASE JAMES B. SHEPHERD II LEASE RICHARD E. MCELROTH LEASE W.V.D.O.H. LEASE COYNE TAYLOR PROPERTIES LEASE HACKED STONE, FOUND GARY D. WHITE LEASE DOROTHY LOUISE RITTER LEASE LARRY ROBIN TRADER LEASE ROBERT E. RASEY ET UX LEASE DELBERT MURPHY ET UX LEASE MARGERY TALKINGTON LEASE JUDY BOLL LEASE MARY JANE DAVIS LEASE



STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS JOB # 16-003WA DRAWING # WACO2HR3 SCALE 1" = 1000' MINIMUM DEGREE OF ACCURACY SUBMETER PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

REFERENCES: A = Stephen A. Donk T.M. 18 Par 01 B = Stephen A. Donk T.M. 18 Par 02 C = Stephen A. Donk T.M. 18 Par 05 D = Stephen A. Donk T.M. 18 Par 07 E = Shirley K. Towser T.M. 18 Par 7 J = Michael A. Wolfe T.M. 18 Par 8 G = Stephen A. Donk T.M. 18 Par 09 H = Stephen A. Donk T.M. 18 Par 10 I = Larry O. Higgins T.M. 18 Par 12 J = Wilford L. Coger T.M. 18 Par 14 K = Unknown Owner T.M. 18 Par 13 L = Wilford L. Coger T.M. 18 Par 14 M = Donald Jonas T.M. 18 Par 13 N = Wilford L. Coger T.M. 18 Par 15 O = Charles Coyne T.M. 18 Par 21 P = Patricia A. Henderson T.M. 18 Par 22 Q = Ronnie T. McElroy Sr. T.M. 18 Par 28 R = Randall Lynch T.M. 18 Par 29 S = Randall Lynch T.M. 18 Par 29 T = Robin Dull T.M. 18 Par 30 U = Lyn S. Bards T.M. 18 Par 31 V = Unknown Owner W = Unknown Owner

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 #2H

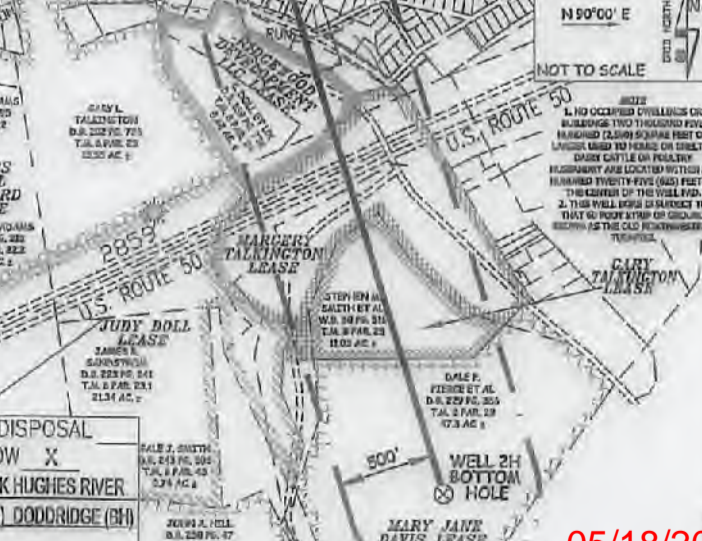
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WILLLOW 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 7.3 DISTRICT CLAY (TH) CENTRAL (BH) COUNTY RITCHIE (TH) DODDRIDGE (BH)

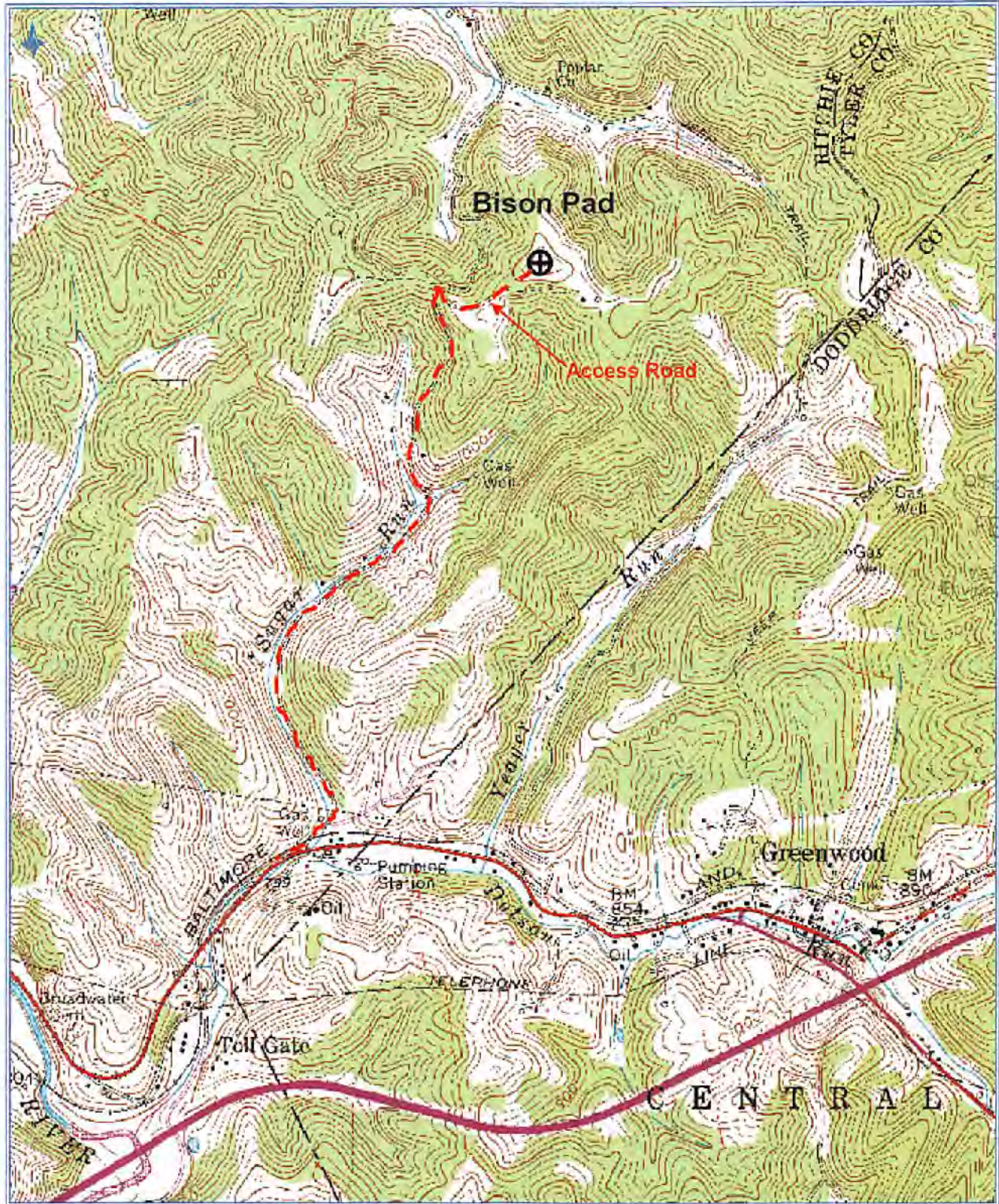
SURFACE OWNER DONALD L. COSTILOW ACREAGE 50.13 ACRES +/- OIL & GAS ROYALTY OWNERS BERTHA D. FERREBEE; DONALD COSTILOW ET UX; WACO OIL & GAS CO. INC.; GARY D. WHITE; DOROTHY LOUISE RITTER; GLEN WALDO ET UX; ROBERT E. RASEY ET UX; DELBERT MURPHY ET UX; WVSRA; STEPHEN OLDAKER; RICHARD MATTHEW BUSH ET UX; COYNE TAYLOR PROPERTIES; W.V.D.O.H.; RIDGEWOOD DEVELOPMENT LLC; MARGERY TALKINGTON; GARY TALKINGTON; MARY JANE DAVIS 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 CHARLESTON, WV 25313



LEASE ACREAGE 67 AC±; 13 AC±; 98.3 AC±; 63 AC±; 24.5 AC±; 72.11 AC±; 45.22 AC±; 29.3 AC±; 301.19 AC±; 0.43 AC±; 0.89 AC±; 0.25 AC±; 2.26 AC±; 12 AC±; 21.54 AC±; 32.57 AC±; 47 AC±

05/18/2018

8,675' TO BOTTOM HOLE 13,987' LONGITUDE 80°52'30" LONGITUDE 80°52'30" COUNTY NAME PERMIT



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

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