

LATITUDE 39°17'30"

8,244'

947' TO BOTTOM HOLE
LATITUDE 39°20'00"

LONGITUDE 80°52'30"

5,236'

10,184' TO BOTTOM HOLE

LONGITUDE 80°50'00"

Antero Resources Corporation
Well No. Duckbill Unit 1H
API 47-017-06667

WELL 1H
BOTTOM HOLE



NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 286,030ft E: 1,614,318ft
LAT: 39°16'38.25" LON: 80°51'44.84"
BOTTOM HOLE INFORMATION:
N: 296,325ft E: 1,609,976ft
LAT: 39°18'19.34" LON: 80°52'42.05"
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: 4,347,567m E: 511,878m
BOTTOM HOLE INFORMATION:
N: 4,350,681m E: 510,503m

NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR FOLIAGEY RUMINANTS ARE LOCATED WITHIN 500' RADIUS THIRTY-FIVE (325) FEET OF THE CENTER OF THE WELL PAD.

VERGINIA L. COTTRILL ET AL LEASE

WILLIAM COTTRILL JR ET AL
D.B. 293 PG. 479
T.J. 6 PAR. 01
69.25 AC.±

MAXINE REED LEASE
EDWARD V. RICE
D.B. 161 PG. 837
T.J. 6 PAR. 02
69.13 AC.±

THELMA B. JAMES ET AL
W.B. 33 PG. 225
T.J. 6 PAR. 05
107 AC.±

EDWARD V. RICE
D.B. 161 PG. 495
T.J. 6 PAR. 03
9 AC.±

GEO DUCKWORTH HRS
D.B. 3 PG. 544
T.J. 6 PAR. 11
93 AC.±

KIMELA M. KELLEY ET AL
D.B. 243 PG. 611
T.J. 6 PAR. 17
30 AC.±

KIMELA M. KELLEY ET AL
D.B. 239 PG. 672
T.J. 6 PAR. 12
21 AC.±

HARRY WILLIAMSON LEASE
ARTHUR G. PAYNE ET AL
D.B. 237 PG. 502
T.J. 6 PAR. 10
70.5 AC.±

JERRY L. NICHOLS
D.B. 243 PG. 440
T.J. 6 PAR. 23
7.72 AC.±

JERRY L. NICHOLS
D.B. 190 PG. 309
T.J. 6 PAR. 23
40.30 AC.±

MARK DUTY ET UX LEASE
JERRY L. NICHOLS
D.B. 205 PG. 41
T.J. 6 PAR. 24
98.18 AC.±

JERRY L. NICHOLS
D.B. 190 PG. 309
T.J. 6 PAR. 23
42.30 AC.±

JERRY L. NICHOLS
D.B. 193 PG. 589
T.J. 6 PAR. 23.7
5.97 AC.±

JACK HOLY ET AL
D.B. 233 PG. 18
T.J. 6 PAR. 23.3
10.39 AC.±

JACK HOLY ET AL
D.B. 183 PG. 205
T.J. 6 PAR. 34.4
7.83 AC.±

ANNIE AGNUS HURST LEASE
DONALD W. FERREBEE
D.B. 282 PG. 21
T.J. 6 PAR. 35
35.29 AC.±

RICHARD E. GRIFFIN ET AL
D.B. 237 PG. 354
T.J. 6 PAR. 34.3
117 AC.±

JACK HOLY ET AL
D.B. 278 PG. 420
T.J. 6 PAR. 34.3
0.99 AC.±

RONALD RICHARDS ET AL
D.B. 250 PG. 73
T.J. 6 PAR. 32.4
133 AC.±

TODD E. VALENTINE ET AL
D.B. 220 PG. 4
T.J. 6 PAR. 32.2
133 AC.±

RICHARD KELLEY ET UX
D.B. 175 PG. 292
T.J. 6 PAR. 31.3
116 AC.±

FRANK MCGILL ET AL
D.B. 193 PG. 270
T.J. 6 PAR. 39
35.28 AC.±

(A) LINDA D. BURS JETT ET AL D.B. 301 PG. 100 T.J. 9 PAR. 18.4 7.023 AC.±
(B) ROGER L. ELDER ET AL D.B. 236 PG. 523 T.J. 9 PAR. 18.3 10.107 AC.±
(C) WILLIAM T. KUNIK ET AL D.B. 204 PG. 645 T.J. 9 PAR. 18.7 1 ACRE±
(D) WMT KUNIK ET AL D.B. 190 PG. 658 T.J. 9 PAR. 18.2 2 ACRES±

KATE MASON ET AL LEASE
JAMES A. DOAK ET AL
D.B. 244 PG. 79
T.J. 6 PAR. 39
10.74 AC.±

FRANK MCGILL ET AL
D.B. 193 PG. 270
T.J. 6 PAR. 40
28.68 AC.±

JAMES A. DOAK
D.B. 244 PG. 81
1.76 AC.±

REEDNA E. RICHARDS ET AL
W.B. 45 PG. 119
T.J. 9 PAR. 03
25.02 AC.±

JOHN R. DAVIS
D.B. 265 PG. 705
T.J. 9 PAR. 64
19 AC.±

JERRY A. NORMAN ET AL
D.B. 204 PG. 370
T.J. 9 PAR. 16
31 AC.±

ANNA BARKER ET AL LEASE

WILLIAM G. ADKINS JR.
D.B. 205 PG. 479
T.J. 6 PAR. 40.2
10 AC.±

FRANK MCGILL ET AL
D.B. 193 PG. 270
T.J. 6 PAR. 40
28.68 AC.±

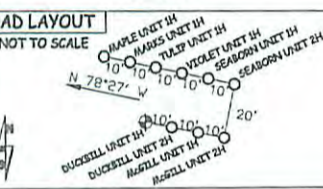
IRIS MESSNER
D.B. 293 PG. 470
T.J. 6 PAR. 40.1
8.95 AC.±

JOHN A. GASOILER ET AL
D.B. 229 PG. 602
T.J. 9 PAR. 65
15 AC.±

FRANK MCGILL ET AL
D.B. 193 PG. 270
T.J. 6 PAR. 40
28.68 AC.±

ANDREAS J. RIFFLE
D.B. 250 PG. 176
T.J. 6 PAR. 41
107.93 AC.±

JOSEPH L. TOWNER
D.B. 267 PG. 31
T.J. 9 PAR. 6
33.08 AC.±



API WELL # 47 - 017 - 06667 MOD
STATE COUNTY PERMIT

JOB # 14-088WA
DRAWING # DUCKBILL1HR3
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
--- Iron Rod, Found

DOUGLAS R. ROWE P.S. 2202

DATE 11/16/15
OPERATOR'S WELL# DUCKBILL 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 DEPT. OF ENERGY DIVISION OF OIL AND GAS
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1118' ORIGINAL -1,112' AS DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK
QUADRANGLE WEST UNION 7.5' (TH) PENNSBORO 7.5' (BH) DISTRICT CENTRAL COUNTY DODDRIDGE

SURFACE OWNER GREGORY R. & CAROLYN S. VOGT ACREAGE 12.07 ACRES +/-
OIL & GAS ROYALTY OWNER PATRICK A. WRIGHT; FLOYD MCGILL, JR. ET AL; ANNA BARKER ET AL; LEASE ACREAGE 222 AC±; 107 AC±; 127 AC±;

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
(SPECIFY) MOD - BHL PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 19,000' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25313

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Office of Oil and Gas
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