

LATITUDE 39°20'00"

6,836'

LATITUDE 39°22'30"

LONGITUDE 80°52'30"

3,893'

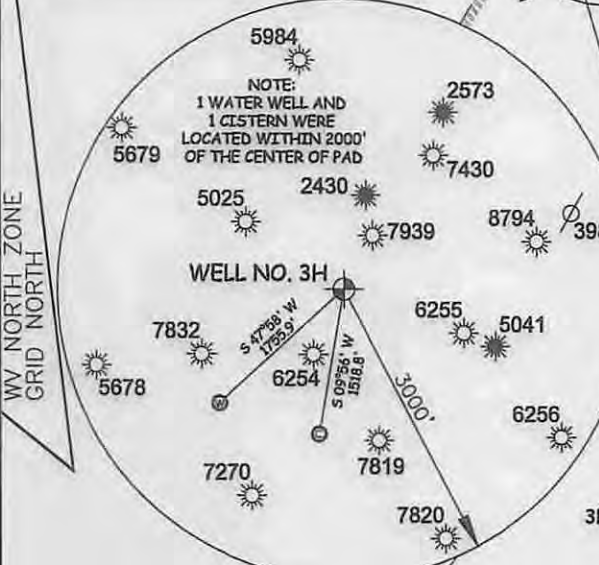
LONGITUDE 80°52'30"

10,707' TO BOTTOM HOLE

Antero Resources Corporation Well No. Niley Unit 3H

NOTES:
 WELL 3H TOP HOLE INFORMATION:
 N: 302,707ft E: 1,604,184ft
 LAT: 39°19'21.53" LON: 80°53'56.99"
 BOTTOM HOLE INFORMATION:
 N: 311,071ft E: 1,604,065ft
 LAT: 39°20'44.17" LON: 80°54'00.16"
 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 3H TOP HOLE INFORMATION:
 N: 4,352,596m E: 508,706m
 BOTTOM HOLE INFORMATION:
 N: 4,355,143m E: 508,628m



JOB # 15-045WA
 DRAWING # NILEY3H
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

THOMAS SUMMERS P.S. 2109

DATE 08/04/15

OPERATOR'S WELL# NILEY UNIT #3H

LEGEND

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

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
 266 HUSHERS RUN RD PENNSBORO WEST VIRGINIA 26415

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,036' ORIGINAL - 1,029' AS-DRILLED WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
 SURFACE OWNER EDWIN D. MULVAY ET AL ACREAGE 152.5 ACRES +/-

OIL & GAS ROYALTY OWNER EDWIN DELMAR MULVAY ET AL; RALPH LANTZ ET UX; WINOLA CARMAN; ADA A. LANTZ ET VIR LEASE ACREAGE 152 AC +/- 32.06 AC +/- 22.06 AC +/- 56 AC +/- 52 AC +/- 87.75 AC +/- 135 AC +/- 141.5 AC +/- 36 AC +/-
 BETTY LOUELLA HALL ET VIR; EMMA COOPER SHAHAN ET VIR; BELVIA FLEMING; MARGARET A. THOMAS ET VIR; H.K. HAYMOND ET AL; CLIFTON VALENTINE ET UX
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 16,800' 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

FORM WW-6

NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

24° WHITE OAK FOUND
 3H TOP HOLE
 3H BOTTOM HOLE
 7.083' TO BOTTOM HOLE

ROY ROBINSON JR. ET AL
 D.B. 227 PG. 662
 T.J.L. 9 PAR. 24
 67.25 AC. ±

H.K. HAYMOND ET AL LEASE
 JEREMY D. LAMP ET AL
 D.B. 235 PG. 929
 T.J.L. 9 PAR. 27
 67.17 AC. ±

MARGARET A. THOMAS ET VIR LEASE
 ROBERT L. LANGMEYER ET AL
 D.B. 175 PG. 817
 T.J.L. 9 PAR. 21
 35 AC. ±

BELVIA FLEMING LEASE
 WV CHRISTIAN YOUTH CAMP
 D.B. 178 PG. 193
 T.J.L. 9 PAR. 32
 97.78 AC. ±

RICHARD REISER ET AL LEASE
 MARSH LANTZ HEADS
 D.B. 189 PG. 657
 T.J.L. 9 PAR. 31
 113 AC. ±

WINOLA H. CARMAN
 D.B. 230 PG. 831
 T.J.L. 15 PAR. 23
 20.5 AC. ±

EMMA COOPER SHAHAN ET VIR LEASE
 WV CHRISTIAN YOUTH CAMP
 D.B. 178 PG. 198
 T.J.L. 9 PAR. 32
 30.25 AC. ±

WINOLA H. CARMAN
 D.B. 230 PG. 831
 T.J.L. 15 PAR. 23
 20.5 AC. ±

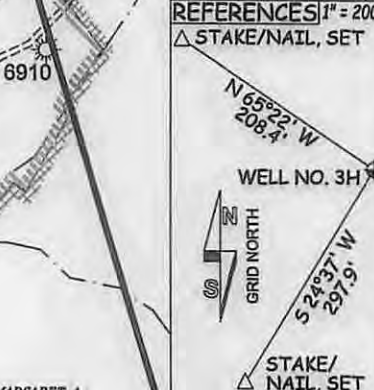
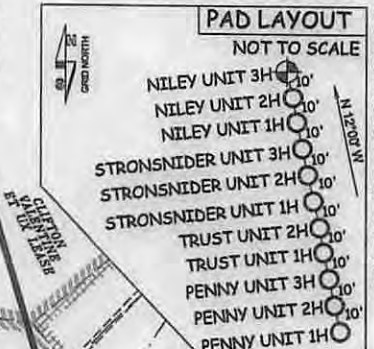
KARL E. HICKMAN
 D.B. 238 PG. 808
 T.J.L. 15 PAR. 02
 49 AC. ±

MARSH LANTZ HEADS
 D.B. 189 PG. 657
 T.J.L. 15 PAR. 3
 36.5 AC. ±

EDWIN D. MULVAY ET AL LEASE
 EDWIN D. MULVAY ET AL
 D.B. 143 PG. 383
 T.J.L. 15 PAR. 10
 122.5 AC. ±

MARGARET A. THOMAS ET VIR LEASE
 ROBERT L. LANGMEYER ET AL
 D.B. 175 PG. 817
 T.J.L. 9 PAR. 21
 35 AC. ±

WINDOLA H. CARMAN
 D.B. 230 PG. 831
 T.J.L. 15 PAR. 23
 20.5 AC. ±



WELL NO. 3H
 BELVIA FLEMING LEASE
 WV CHRISTIAN YOUTH CAMP
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 T.J.L. 9 PAR. 32
 97.78 AC. ±

EMMA COOPER SHAHAN ET VIR LEASE
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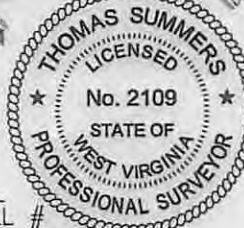
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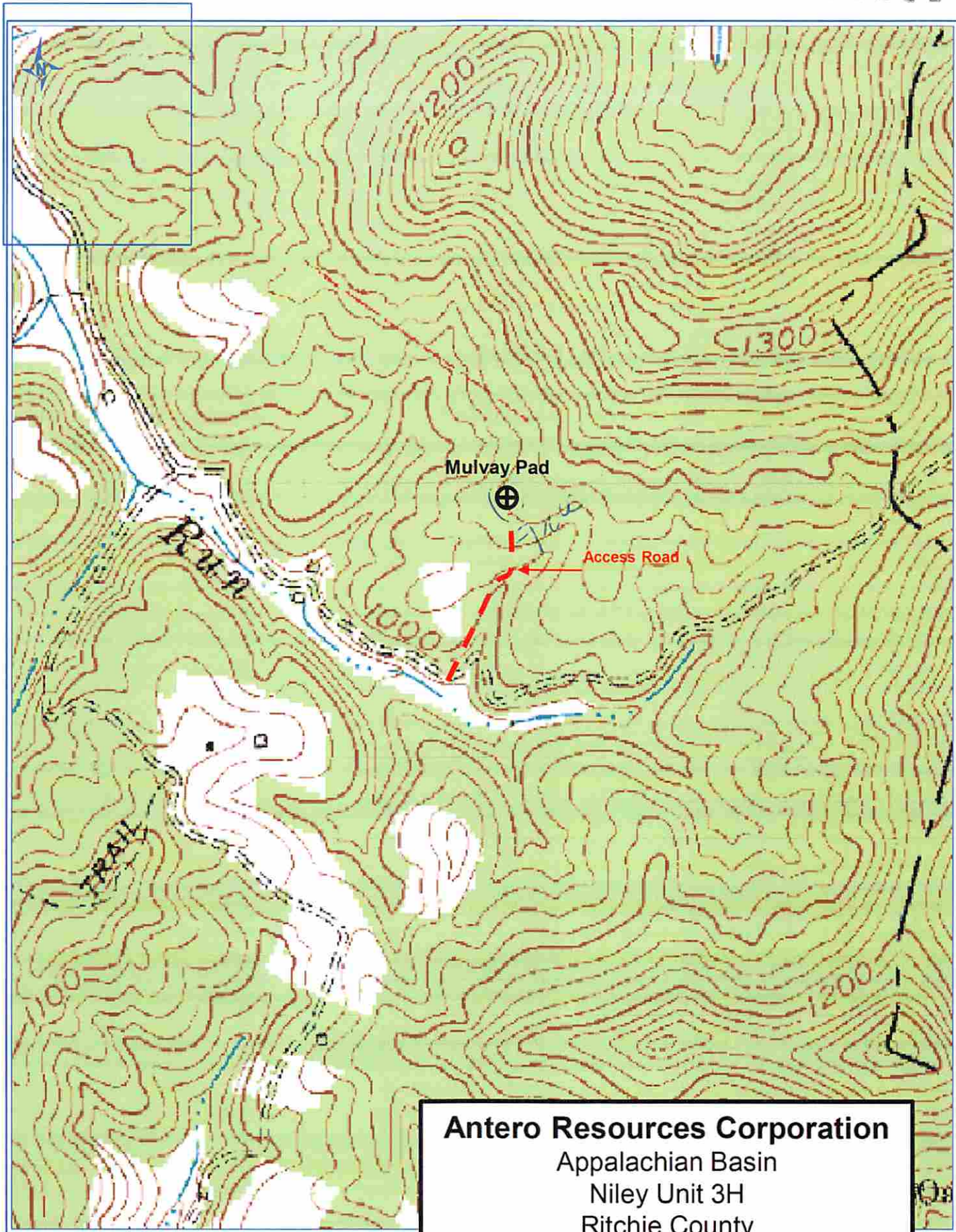
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 D.B. 230 PG. 831
 T.J.L. 15 PAR. 23
 20.5 AC. ±



COUNTY NAME PERMIT

10/02/2015



PETRA 12/4/2014 10:06:00 AM

Antero Resources Corporation
Appalachian Basin
Niley Unit 3H
Ritchie County

Quadrangle: Pennsboro
Watershed: North Fork Hughes River
District: Clay
Date: 12-4-2014

10/02/2015