

LATITUDE 39°20'00"

8,666'

59' TO BOTTOM HOLE
LATITUDE 39°22'30"

LONGITUDE 80°57'30" 12,147' TO BOTTOM HOLE

6,326'

LONGITUDE 80°55'00"

Antero Resources Corporation Well No. Jackknife Unit 2H

- A - JEFFREY A. HURST ET AL. D.B. 305 PG. 1081 T.M. 14 PAR. 10.3 17 AC.±
- B - REGINA A. WAINSTREET D.B. 265 PAR. 207 T.M. 14 PAR. 10.2 0.926 AC.±
- C - JEFFREY A. HURST ET AL. W.B. 39 PAR. 207 T.M. 14 PAR. 10.1 2.28 AC.±
- D - JAMES F. WILLIAMSON ET AL. D.B. 262 PAR. 312 T.M. 14 PAR. 11.3 1 AC.±
- E - JAMES F. WILLIAMSON ET AL. D.B. 262 PAR. 315 T.M. 14 PAR. 11.4 0.823 AC.±
- F - JAMES F. WILLIAMSON ET AL. D.B. 262 PAR. 316 T.M. 14 PAR. 11.4 0.91 AC.±
- G - FRED L. FREELAND ET AL. D.B. 179 PG. 726 T.M. 14 PAR. 11.5 0.76 AC.±
- H - KENNETH L. CUNNINGHAM ET AL. D.B. 216 PAR. 363 T.M. 14 PAR. 11.11 0.89 AC.±
- I - FLOYD T. BUTCHER III D.B. 234 PAR. 1 T.M. 14 PAR. 11.8 0.44 AC.±
- J - FLOYD T. BUTCHER III D.B. 234 PAR. 1 T.M. 14 PAR. 11.7 1.16 AC.±
- K - FAY JONES D.B. 223 PG. 369 T.M. 14 PAR. 11.6 1.24 AC.±
- L - DANIEL A. SRINIVAN ET AL. D.B. 296 PG. 331 T.M. 14 PAR. 11.9 1.77 AC.±
- M - CHRISTOPHER S. SHAFFER ET AL. D.B. 312 PG. 817 T.M. 14 PAR. 11.1 1.60 AC.±

PAD LAYOUT



NOT TO SCALE

NOTES:
 WELL 2H TOP HOLE INFORMATION:
 N: 300,490ft E: 1,590,530ft
 LAT: 39°18'57.48" LON: 80°56'50.27"
 BOTTOM HOLE INFORMATION:
 N: 309,895ft E: 1,587,500ft
 LAT: 39°20'29.94" LON: 80°57'30.75"
 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: 4,351,851m E: 504,558m
 BOTTOM HOLE INFORMATION:
 N: 4,354,701m E: 503,587m

REFERENCES



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

THOMAS SUMMERS P.S. 2109

DATE 09/23/14

OPERATOR'S WELL# JACKKNIFE UNIT #2H

API WELL # 47 - 085 - 10179
 STATE COUNTY PERMIT

JOB # 14-008WA
 DRAWING # JACKKNIFE2HR1
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

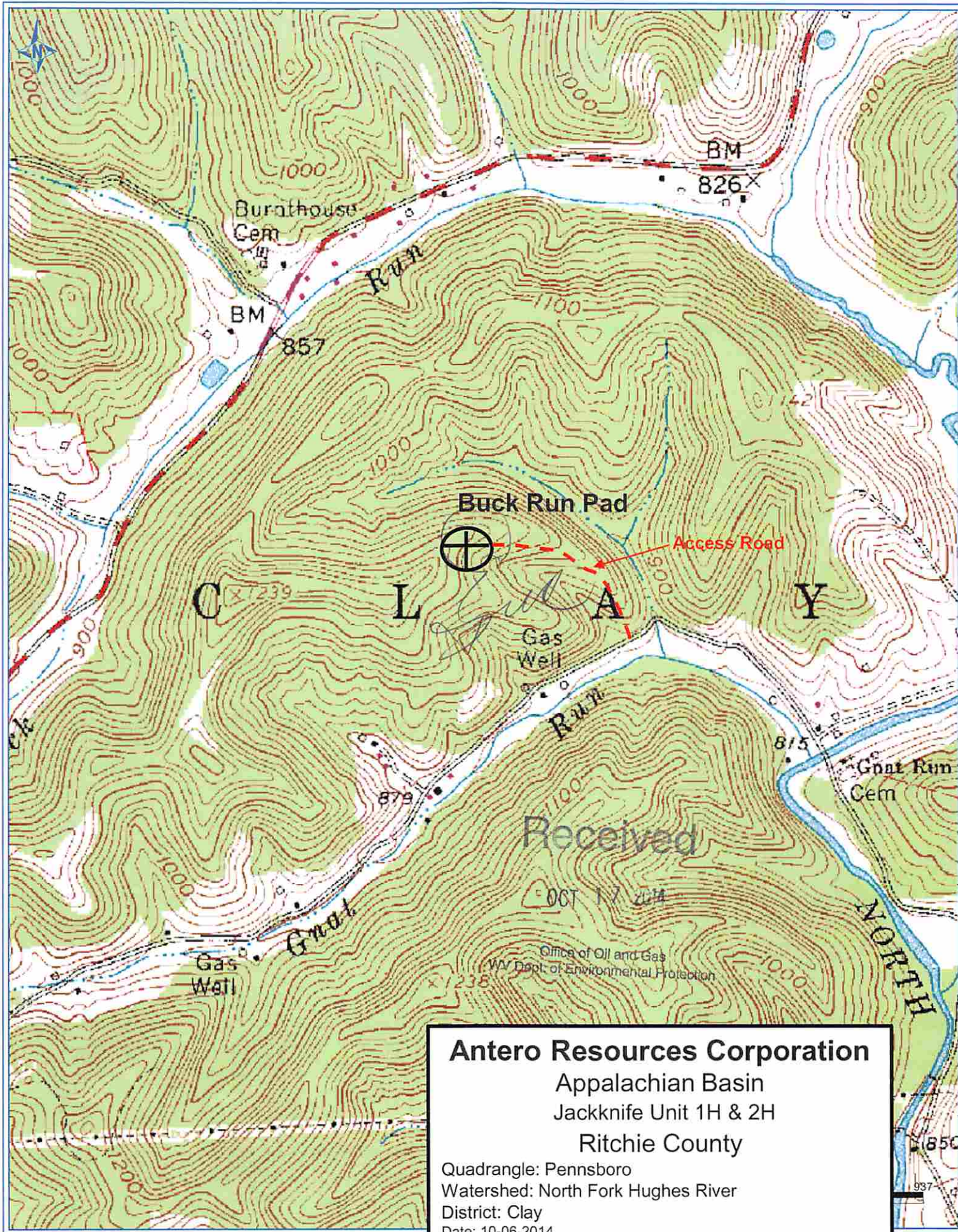
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 P.O. BOX 17 PENNSBORO WEST VIRGINIA 26415

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1,127' WATERSHED POPLARLICK RUN
 QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE

SURFACE OWNER STEPHEN C. JACKSON ET AL ACREAGE 40.835 ACRES +/-
 OIL & GAS ROYALTY OWNER HARVEY WEIGLE HEIRS; STEVE JACKSON; LEASE ACREAGE 51 ACRES±; 117 ACRES±;
 W.J. COLLINS ET UX; CLIFF WILSON ET UX; MARY MAXINE WELCH; HAROLD JEWELL; WILLIAM DAVIS HEWITT 575 ACRES±; 413 ACRES±; 76.43 ACRES±; 26.5 ACRES±; 20 ACRES±
 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 ___ ESTIMATED DEPTH 6,600' TVD 17,000' MD
 TARGET FORMATION MARCELLUS
 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



Antero Resources Corporation
 Appalachian Basin
 Jackknife Unit 1H & 2H
 Ritchie County

Quadrangle: Pennsboro
 Watershed: North Fork Hughes River
 District: Clay
 Date: 10-06-2014