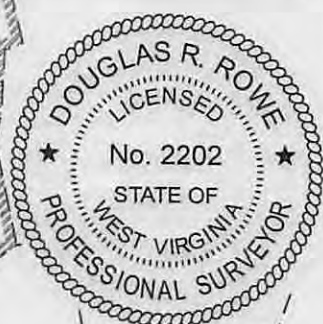
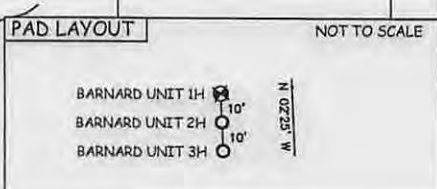


NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 268,244ft E: 1,599,481ft
 LAT: 39°13'40.21" LON: 80°54'49.93"
 BOTTOM HOLE INFORMATION:
 N: 262,087ft E: 1,601,621ft
 LAT: 39°12'39.69" LON: 80°54'21.51"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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: 4,342,073m E: 507,449m
 BOTTOM HOLE INFORMATION:
 N: 4,340,208m E: 508,132m



NOTE:
 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 ONE HUNDRED TWENTY-FIVE (125) FEET OF THE CENTER OF THE WELL PAD.



JOB # 13-021WA
 DRAWING # BARNARD1H
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS
 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 1,107' WATERSHED LYNNCAMP RUN
 QUADRANGLE PULLMAN 7.5' DISTRICT CLAY COUNTY RITCHIE
 SURFACE OWNER CHARLES E. COTTRILL ET AL ACREAGE 16.15 ACRES +/-
 OIL & GAS ROYALTY OWNER ROBERTA NIGH; RICHARD BARNARD; ERMANY WEEKLEY; LEASE ACREAGE 26.11 ACRES±; 11.45 ACRES±; 77 ACRES±
 JACK LANGFORD ET AL; JACK LANGFORD ET AL 43.75 ACRES±; 448.5 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
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,900' TVD 13,500' 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

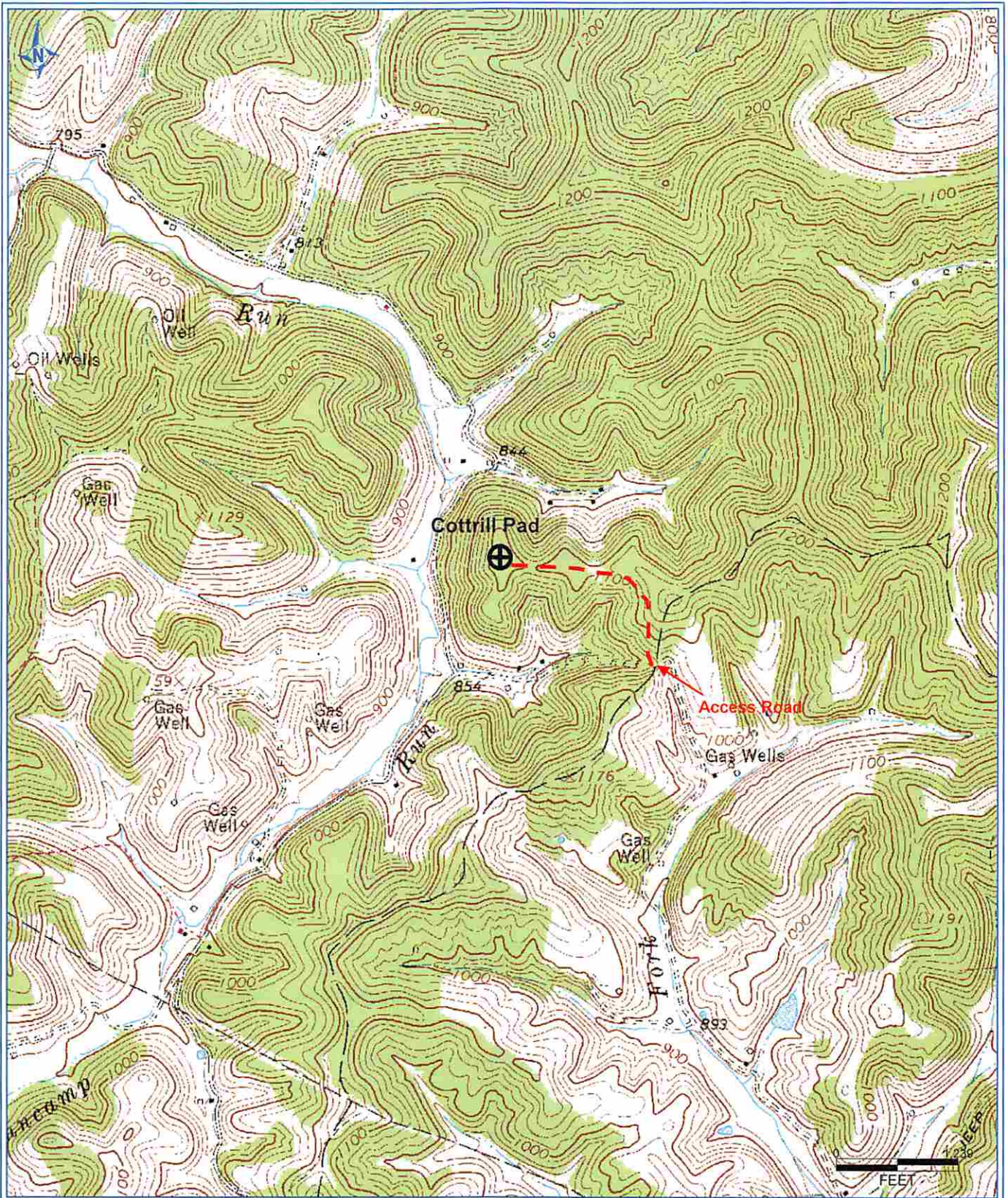
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

LEGEND
 - - - - - Surface Owner Boundary Lines +/-
 - - - - - Interior Surface Tracts +/-
 X Existing Fence
 ⊕ Monument Found

DOUGLAS R. ROWE P.S. 2202
 DATE 10/30/14
 OPERATOR'S WELL # BARNARD UNIT #1H
 API WELL # 47 - 085 - 10182
 STATE COUNTY PERMIT



PETRA 11/13/2013 2:57:56 PM

Antero Resources Corporation
 Appalachian Basin
 Barnard Unit 1H
 Ritchie County
 Department of Environmental Protection
 RECEIVED
 NOV 10 2014

Quadrangle: Pullman 75
 Watershed: Lynncamp Run
 District: Clay
 Date: 11-13-2013