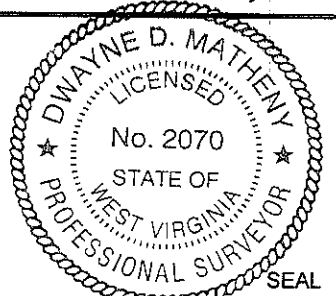


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

Dwayne D. Matheny, P.S. 2070



FILE NO: 222-36-TM-11
 DRAWING NO: 222-11 Cottrill Unit 1
 SCALE: 1" = 500'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: WVBR Bridgeport, WV

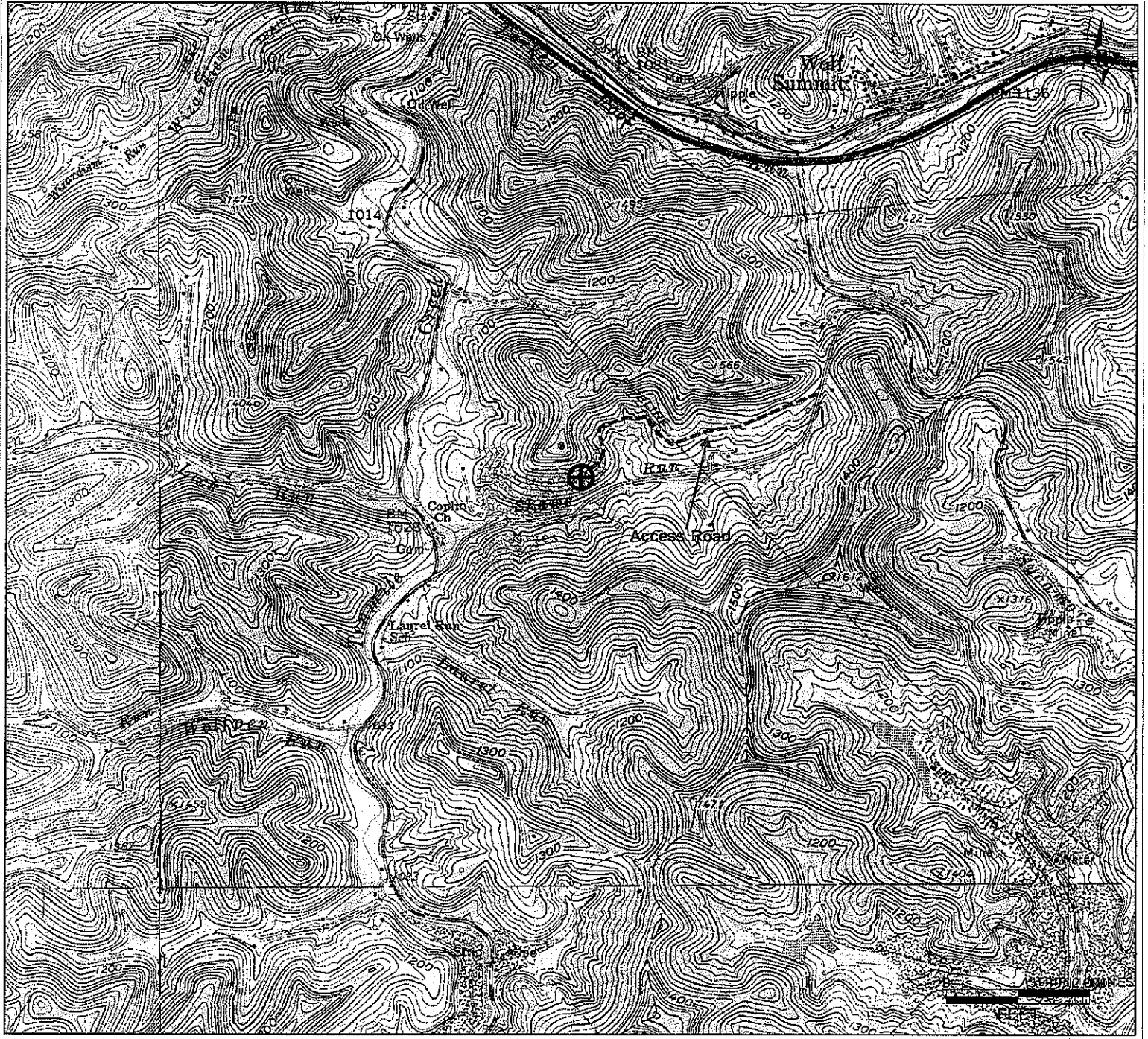
STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 OIL AND GAS DIVISION

DATE: March 22, 20 12
 OPERATOR'S WELL NO. Cottrill Unit 1
 API WELL NO
 47 - 033 - 05635
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: 1175' WATERSHED: Shaws Run of Tenmile Creek QUADRANGLE: Wolf Summit
 DISTRICT: Tenmile COUNTY: Harrison
 SURFACE OWNER: Edgar Southern ACREAGE: 27.54
 ROYALTY OWNER: Mary V. Matheny & W.T. Williams LEASE NO: 045515 ACREAGE: 30
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,200 TVD

WELL OPERATOR: Antero Resources Appalachian Corporation DESIGNATED AGENT: Dianna Stampfer - CT Corporation System
 ADDRESS: 1625 17th Street ADDRESS: 5400 D Big Tyler Road
 Denver, CO 80202 Charleston, WV 25313

05/25/2012



33-5635

APR 30 2012

Antero Resources Corporation
APPALACHIAN BASIN
Cottrill Unit 1 Harrison County
<p>0 2,000 4,000 FEET</p>
<p>REMARKS QUADRANGLE: WOLF SUMMIT WATERSHED: SHAWS RUN OF TENMILE DISTRICT: TENMILE</p>
<p>Date: 01/06/12 05/25/2012</p>