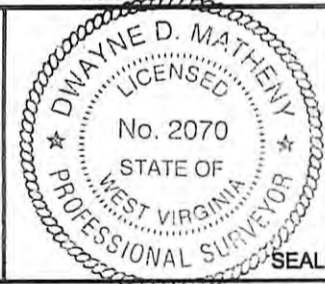


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

Dwayne D. Matheny, P.S. 2070



FILE NO: 222-36-TM-11
DRAWING NO: 222-11 Cottrill Unit 1H
SCALE: 1" = 1000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS Glenville, WV

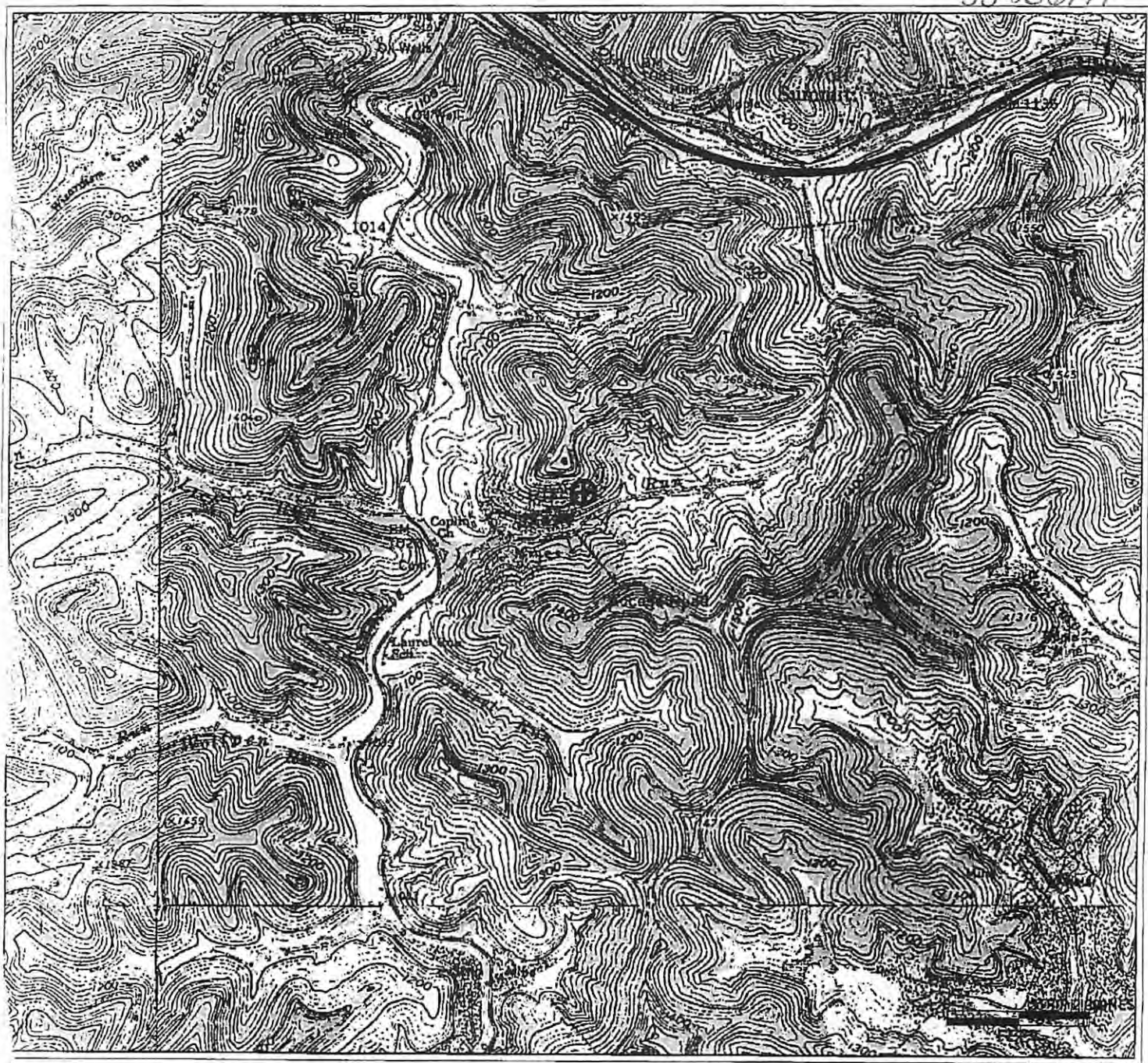
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: September 14 20 12
OPERATOR'S WELL NO. Cottrill Unit 1H
API WELL NO
47 - 033 - 05619
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 Louis H. Hall, et al & Annie Gawthrop, et ux 078596; 002304 ACREAGE: 27.54
ROYALTY OWNER: Mary V. Matheny & W.T. Williams; William Cottrill LEASE NO: 045515; 077903 ACREAGE: 30; 132; 330
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
13,300' MD

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

33-05619P



Antero Resources Corporation
APPALACHIAN BASIN
Cottrill Unit 1H Harrison County
0 2,000 4,000 FEET
REMARKS QUADRANGLE: WOLF SUMMIT WATERSHED: SHAWS RUN OF TENMILE DISTRICT: TENMILE
Date: 10/16/12