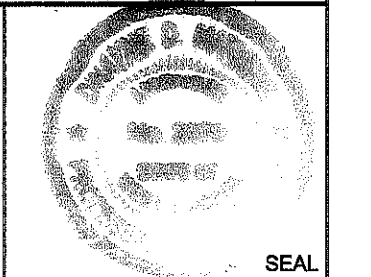


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

*Dwayne D. Matheny*  
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: January 11 20 12  
OPERATOR'S WELL NO. Cottrill Unit 1H  
API WELL NO  
47 - 033 - 5619  
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

