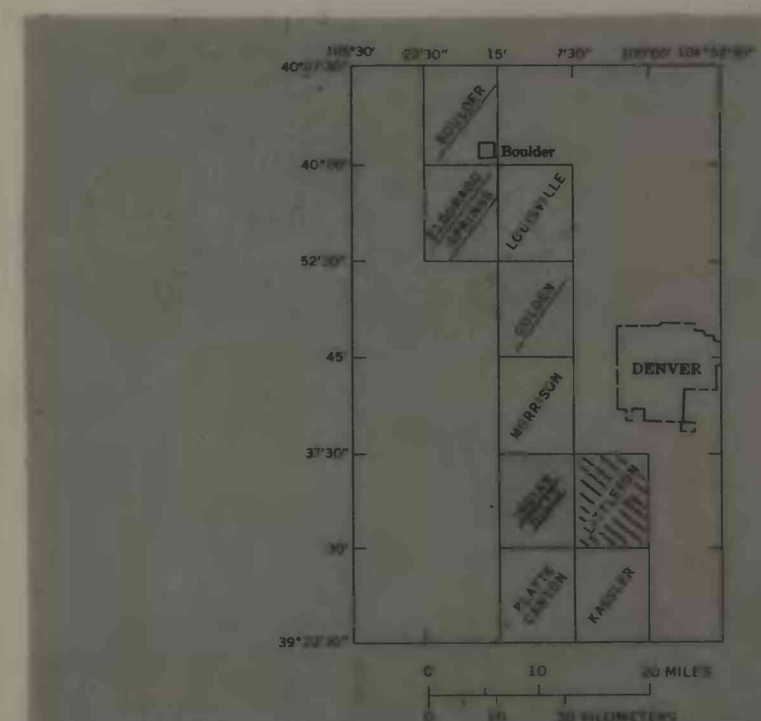


EXPLANATION

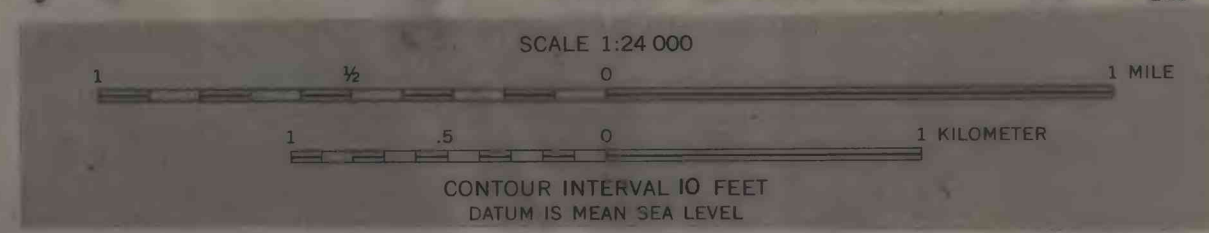
- CONTACT
- FAULT--Dashed where approximately located; U, upthrown side; D, downthrown side. Dip indicated where known
- 30 STRIKE AND DIP OF BEDS
- 70 STRIKE AND DIP OF FOLIATION--Measured where compositional layering is absent
- (1940) ABANDONED SHAFT TO COAL MINE--Approximate year of last operations shown in parentheses
- NO 1 HUGINS ABANDONED OIL TEST HOLE

ENGINEERING GEOLOGIC BEDROCK UNITS

- cs-ms HIGHLY SWELLING CLAYSTONE AND SILTSTONE
- cs-ms MODERATELY SWELLING CLAYSTONE AND SILTSTONE
- cs-ms NONSWELLING TO SLIGHTLY SWELLING CLAYSTONE AND SILTSTONE
- cs-ms-ss MODERATELY SWELLING CLAYSTONE, SILTSTONE, AND SANDSTONE
- ss-ms-cs HARD SANDSTONE, AND SILTSTONE AND CLAYSTONE
- ms-cs-ls-ss SILTSTONE, CLAYSTONE, LIMESTONE, AND SANDSTONE
- cgl-ms CONGLOMERATE AND SILTSTONE
- ms SILTSTONE
- l-s HARD LIMESTONE
- ss HARD SANDSTONE
- mr-x METAMORPHIC ROCK, UNDIFFERENTIATED



Base from U.S. Geological Survey, 1965-71



Geology modified from Scott (1962)

PLATE 1.-ENGINEERING  
GEOLOGIC MAP OF BEDROCK UNITS IN THE LITTLETON QUADRANGLE,  
JEFFERSON, DOUGLAS, AND ARAPAHOE COUNTIES, COLORADO