

LOCATION DIAGRA

| Kmf | Frontier Sandstone Member —Shown on cross sections only. In the Elk Springs quadrangle, it has an uppunit of interbedded gray and tan sandstone as gray shale, and a lower unit of brownish-gray shawith thin bentonite beds. These are probably the equivalents of the Frontier Sandstone Member at the Benton Shale, respectively (Reheis, 198). Thickness of the combined units in drill holes is 3 ft; top lies about 400 ft above the base of the Manor Shale. |
|----------|--|
| Kmm | Mowry Member (Lower Cretaceous)—Shown on crossection only. Medium dark gray weathering to svery-gray shale; tends to split into very thin plat and contains abundant fish scales. Thickness abor 80 ft in drill holes; forms the base of the Manor Shale |
| Kd Da | thota Sandstone (Lower Cretaceous) —Shown on cro section only. In the Elk Springs quadrangle it has upp and lower parts consisting of light- gray quartzitic san stone with dark chert pebbles, separated by a mide part of dark- gray fissile shale. Thickness in drill hol averages 100 ft |
| | MAP SYMBOLS |
| | Contact—Dashed where inferred |
| _• | Fault—Long-dashed where inferred. Bar and ball down thrown side |
| → | Folds—Showing direction of plunge Anticline |
| → | Syncline |
| | Structure Contours |
| | Top of Dakota Sandstone—North of Danforth Hil |



COLORADO GEOLOGICAL SURVEY



| "U de | IS" indicates that the measured section was erived from USGS Open-File report 81-12. | |
|--------------------|---|----------|
| US-33 Nu | umbers less than 100 correspond directly to ose presented in report 81-12. | VERTICAL |
| Sec. 20 — Sh ca | hows the section where the measured interval an be found on the geologic map. | 0 |
| | | |

| 5 | | Coal (thickness in feet) | | |
|---|------|---|--------------|--|
| | | Impure coal | • | |
| | 7L1L | Baked or fused rock (clinker) | | |
| | | Subordinate amounts of baked of fused rock disseminated within a sandstone (or other type of lithology) | 100- | |
| | | Shale | • | |
| | | Poorly exposed shale (or other type of lithology) | | |
| | | Carbonaceous shale | | |
| | | Sandstone | • | |
| | | Carbonaceous sandstone | 200 - | |
| | | Sandy shale | | |
| | | Siltstone | | |
| | 000 | Alluvium and colluvium | | |
| | | Concealed interval (measured sections) | 300 - | |
| | | | | |

GEOLOGIC MAP AND COAL MEASURES OF THE AXIAL QUADRANGLE, MOFFAT AND RIO BLANCO COUNTIES, COLORADO





1000

By John K. Hardie and Jonathan M. Zook

COLORADO GEOLOGICAL SURVEY DEPARTMENT OF NATURAL RESOURCES DENVER, COLORADO

OPEN FILE MAP 97-5 GEOLOGIC MAP AND COAL MEASURES OF THE AXIAL QUADRANGLE, MOFFAT AND RIO BLANCO COUNTIES, COLORADO PLATE 3

Oil and Gas Well and Coal Exploration Test Holes Along the Northern Part of Danforth Hills in the Southern Part of the Axial Quadrangle





3550

- 3600

3650

WW

3900 -

3850 -

3800 -

3750 -

3700 -

Km

By John K. Hardie and Jonathan M. Zook

M

3900 -

3850 -

3800 -

3750 -

3700 -