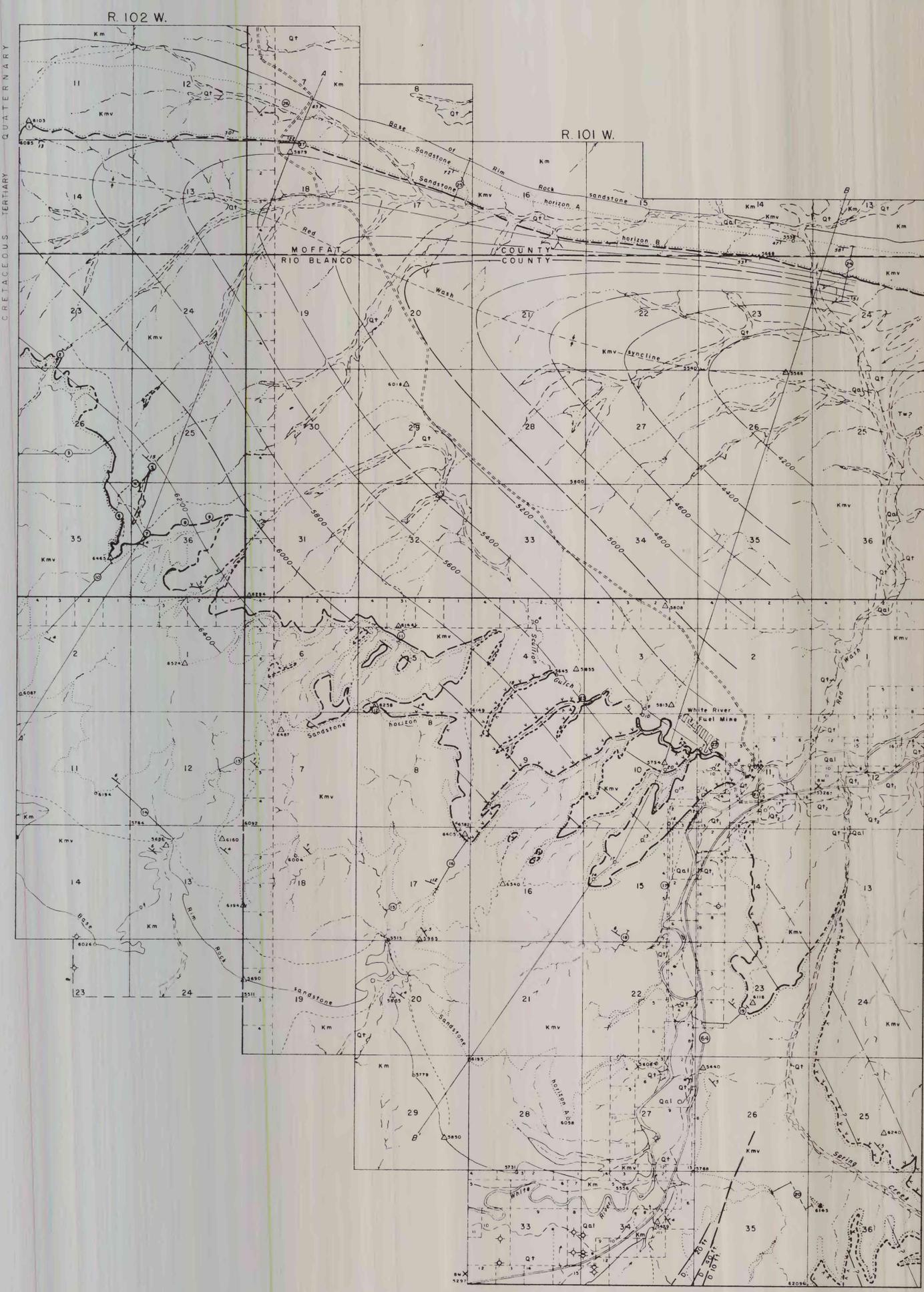
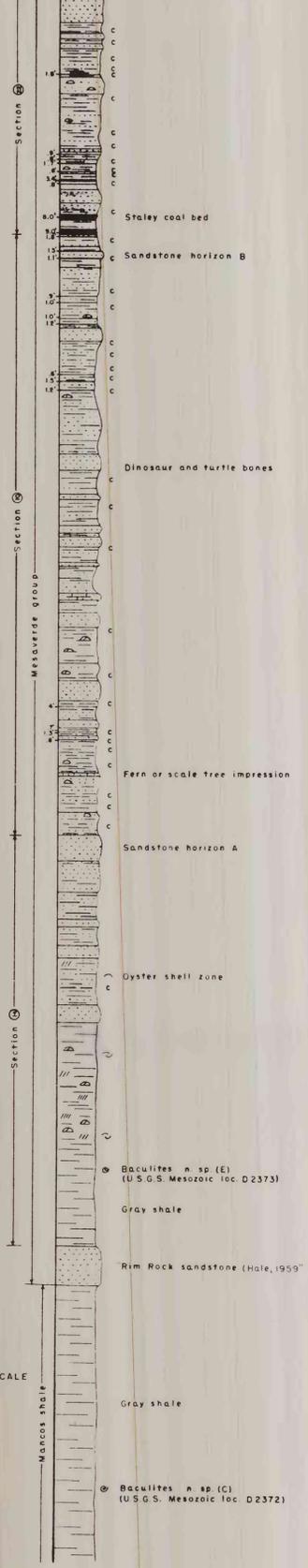


U. S. Geological Survey
OPEN FILE REPORT
This map is preliminary
and has not been edited or reviewed for
conformity with Geological Survey
standards or nomenclature.

- EXPLANATION**
- UNCONSOLIDATED DEPOSITS**
- Qal Alluvium
 - Qal Creek bed alluvium and terraced flood plain deposits
 - Qt, Qt₁, Qt₂ "Qt" includes trenched valley fill, and some slope wash. "Qt₂" represents older high-level river terraces
- CONSOLIDATED DEPOSITS**
- Tw Wasatch formation
 - Kmv Mesaverde group, undifferentiated (includes a lower predominately marine section 500 feet thick below sandstone horizon A, and an upper coal and carbonaceous shale-rich section about 1400 feet thick)
 - Km Mancos shale
- Geologic contact**
Dashed where approximately located
- Sandstone horizon marker bed**
- Surface fault**
D, downthrown side. Figure shows vertical displacement in feet
- Strike and dip of beds**
- Principal coal zone**
Dashed where approximated, short dashes where inferred
- Clinker**
Burned coal zone
- Structure contours on top of Sandstone horizon B, near base of principal coal zone.**
Contour interval 200 feet
- Coal mine adit and underground workings**
- Abandoned mine**
- Location and number of measured section referred to in report or shown graphically on Plates 1 or 2**
- Core hole and number referred to in report**
- Location of drilling well**
- Dry hole (drilled for oil and gas)**
- Unmaintained road or jeep trail**
- U.S.G.S. Bench mark and elevation**
- Plane table triangulation station and elevation**
- Secondary elevation point**
- Section corner recovered with elevation**
- Building**

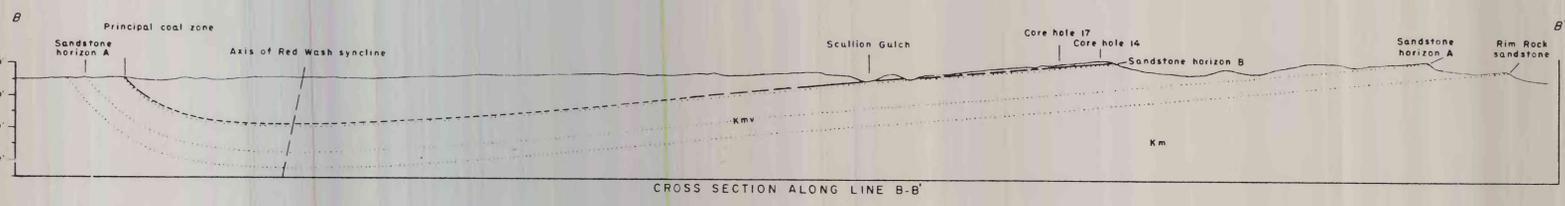
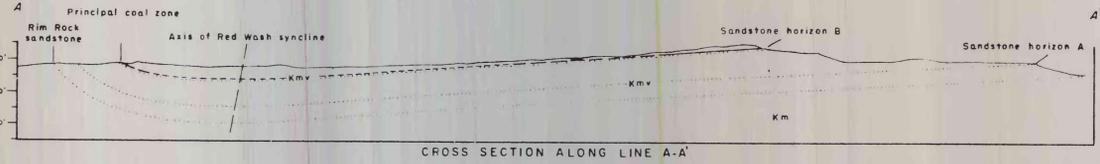


COMPOSITE COLUMNAR SECTION



VERTICAL SCALE FEET
200
100
50
0

- LITHOLOGIC SYMBOLS**
- Sandstone
 - Coal
 - Gray shale
 - Carbonaceous shale
 - Sandstone and shale
 - Limestone and limy sandstone
 - Large calcareous or limestone concretions
 - Pelecypods
 - Small ironstone concretions
 - Fossils (macro)
 - Selenite gypsum
 - Cephalopods



Base by plane table triangulation, radial line intersection of air photographs, and land plats of the Bureau of Land Management

GEOLOGIC AND STRUCTURE MAP OF THE NORTHEAST RANGELY COAL AREA, RIO BLANCO AND MOFFAT COUNTIES, COLORADO

By
D.L. Gaskill and G.H. Horn

Scale 1:31680
5000 0 5000 10000 Feet
1960