

Cross sections A-A' and B-B' show the stratigraphic framework of Upper Cretaceous rocks in part of the Piceance basin, northwestern Colorado. This Laramide basin is asymmetric in shape and has a gently dipping western flank and a steeply dipping eastern flank. The Piceance River flows from the northwest to the northeast, the Douglas Creek flows to the west, the Arkansas basin uplift to the north, the White River uplift to the east, the Gunnison uplift and the Sawatch-Eli range to the southeast, and the Uncompagme uplift to the southwest.

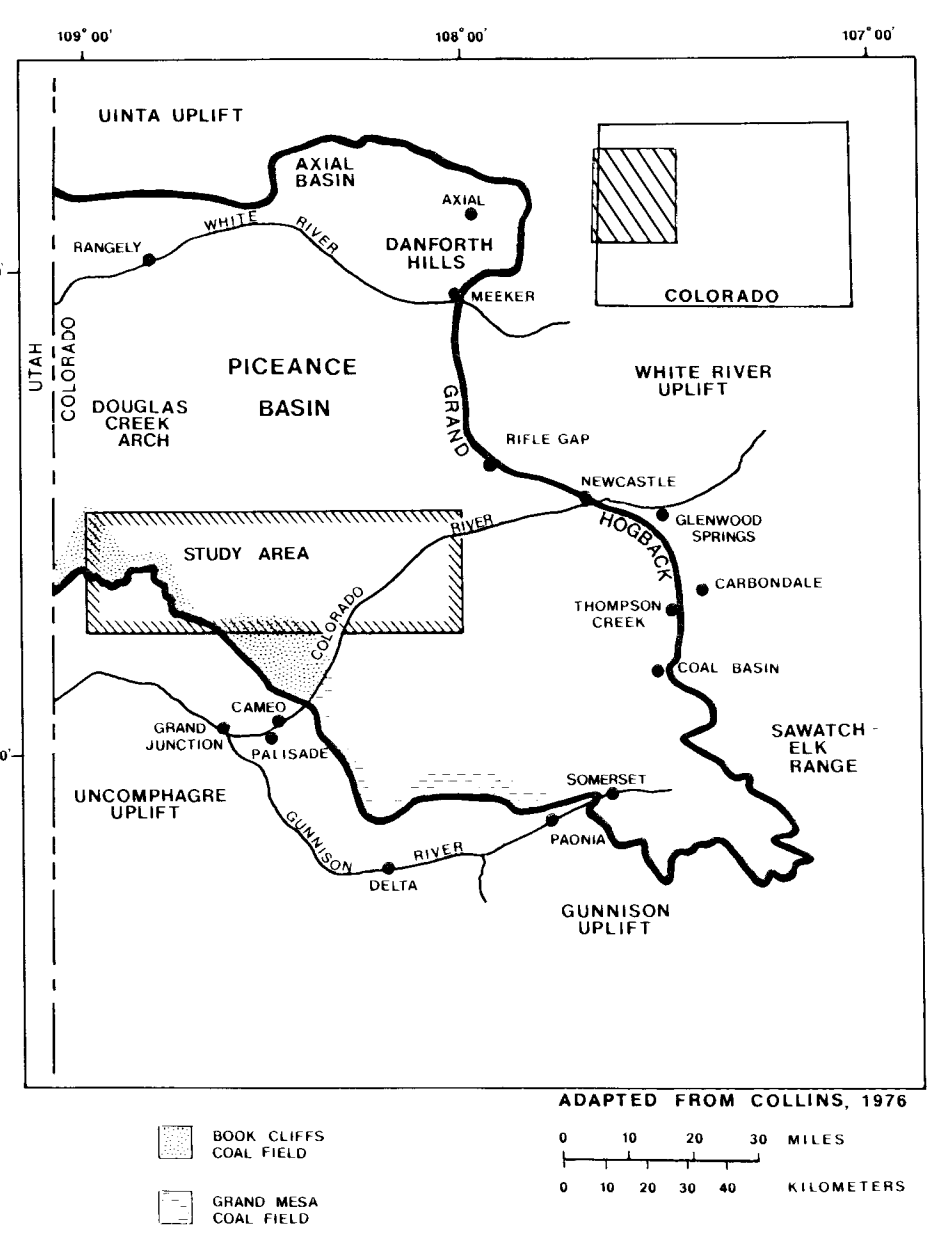
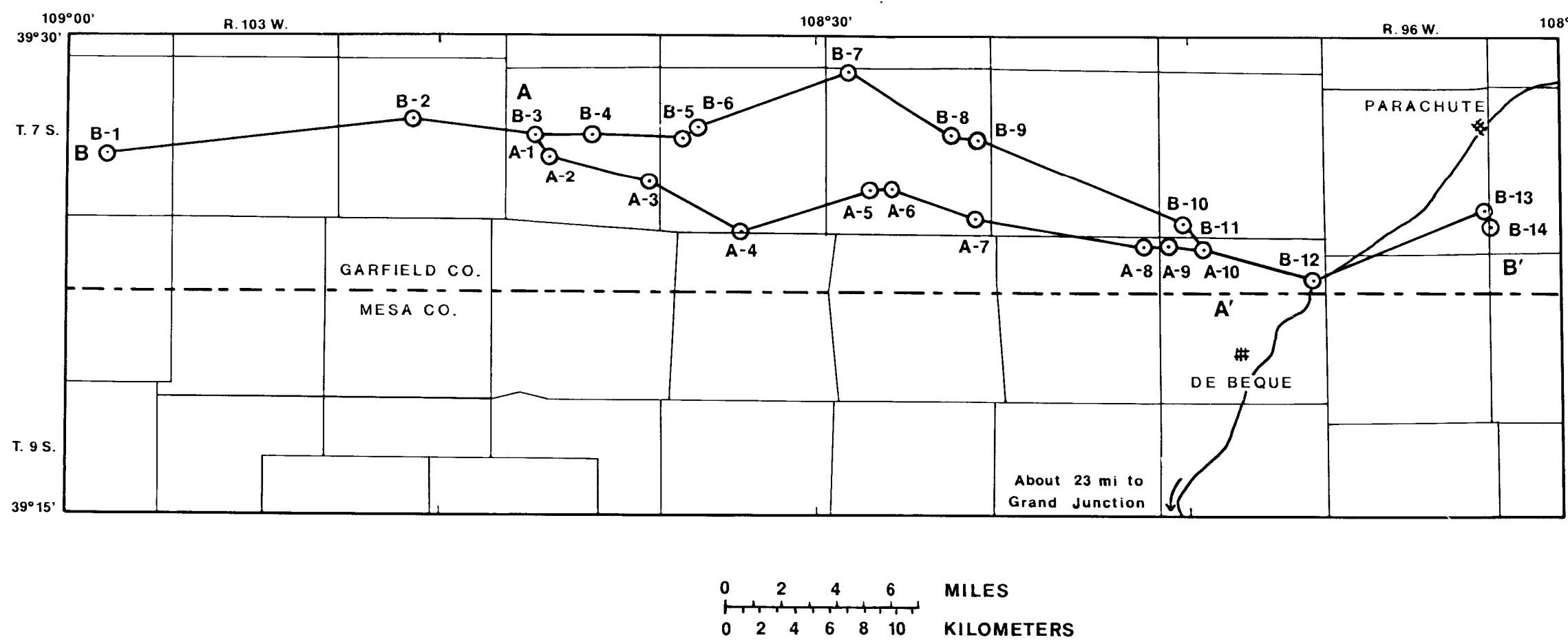
Geophysical well logs were obtained from 10 wells in the Piceance basin and geophysical well logs. Data points B-1 and B-2 are measured sections modified from Fisher and others (1966). All the other data points are geophysical well logs. Correlations of the major lithologic units are shown in figure 1. The correlation from the entire section is shown for each drill hole available for each drill hole. Only the two data points are shown for each drill hole on the cross sections. Coal beds were picked using neutron-density or gamma-neutron logs. Coal beds are indicated on the right side of the logs. The logs are not used for correlation but are included for drill holes that do not have adequate logs for coal identification.

[illegible]

Choate, Raoul, Jurich, David, and Saulnier, G.J., Jr., 1981, Geologic overview, coal deposits, and potential for methane recovery from coal beds, Piceance basin, Colorado: TRW, Inc., McLean, Virginia, prepared for the U.S. Department of Energy.

Cobban, W.A., and Recoside, J.B., Jr., 1952, Correlation of the Cretaceous formations of the western interior of the United States: Geological Society of America Bulletin, v. 63, p. 1011-1044.

Collins, B.A., 1970, Geology of the coal bearing Mesaverde Formation (Cretaceous), coal basin area, Pitkin County, Colorado: Golden, Colo., Colorado School of Mines M.S. thesis (T-1264), 116 p.



INDEX MAP SHOWING STUDY AREA

CROSS SECTIONS SHOWING STRATIGRAPHIC FRAMEWORK OF UPPER CRETACEOUS DAKOTA SANDSTONE, MANCOS SHALE, MESAVERDE GROUP, AND MESAVERDE FORMATION, AND LOWER TERTIARY WASATCH FORMATION, WEST-CENTRAL PICEANCE BASIN, GARFIELD COUNTY, COLORADO



## B'



CROSS SECTIONS SHOWING STRATIGRAPHIC FRAMEWORK OF UPPER CRETACEOUS DAKOTA SANDSTONE, MANCOS SHALE, MESAVERDE GROUP, AND MESAVERDE FORMATION, AND LOWER TERTIARY WASATCH FORMATION, WEST-CENTRAL PICEANCE BASIN, GARFIELD COUNTY, COLORADO

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