



**EXPLANATION**

**Platycene (P)**

- Intermediate level
- High level

**Eocene (E)**

- Gravel-capped benches UNCONFORMITY
- Wasatch formation UNCONFORMITY (P)
- Teacher formation UNCONFORMITY (P)

**Upper Cretaceous**

**Messurive group**

- High sandstone cliffs
- Farrer non-coal-bearing member
- Chesterfield coal zone (c) shown separately between Cottonwood and Buck Canyons and near Sego; in areas where Chesterfield coal zone is not indicated separately its position corresponds to the top of the Sulphur Canyon sandstone bed (s) east of Buck Canyon and the Thompson Canyon sandstone bed (t) west of Cottonwood Canyon
- Neslen coal-bearing member
- Palisade coal zone (p)
- Sego sandstone member
- Castlegate sandstone member (Duck tongue of Mancos shale and upper sandstone member of Blackhawk formation west of R. 23 E. included on map)

**Local sandstone beds**

- Mancos shale

**Coal bed or associated sandstone bed**  
(Dashed where concealed)

**Burned coal**  
(Wavy line along sandstone bed indicates burned associated coal bed)

**Coal section measured**  
(Number referred to in text)

**Fault**  
(Showing direction and degree of dip. Number represents amount of displacement in feet. D, downthrow; U, upthrow)

**Strike and dip**

**Structure contours**  
(Contours drawn on top of Castlegate sandstone, interval 50 feet. Datum to mean sea level)

**Structure contours**  
(Contours drawn on top of Dakota (D) sandstone, interval 50 feet. Datum to mean sea level)

- Mine
- Prospect
- Well being drilled
- Dry hole
- Dry hole with show of oil
- Dry hole with show of gas
- Gas well
- Abandoned gas well

MAP OF THE EAST-CENTRAL PART OF THE BOOK CLIFFS COAL FIELD, GRAND COUNTY, UTAH, SHOWING GEOLOGY AND STRUCTURE

1935

Features over a mile or two from the cliffs are in general taken from township plats of the General Land Office or only roughly mapped

Geology by D. Jerome Fisher, assisted by K. K. Landes, 1926. Mapping of coal beds in secs. 27, 28, 33, and 34, T. 20 S., R. 20 E., by F. R. Clark. Structure in central portion of Cisco dome from maps of Midwest Refining Co. Mapping of sandstone bed here and near Cisco by C. H. Dane.