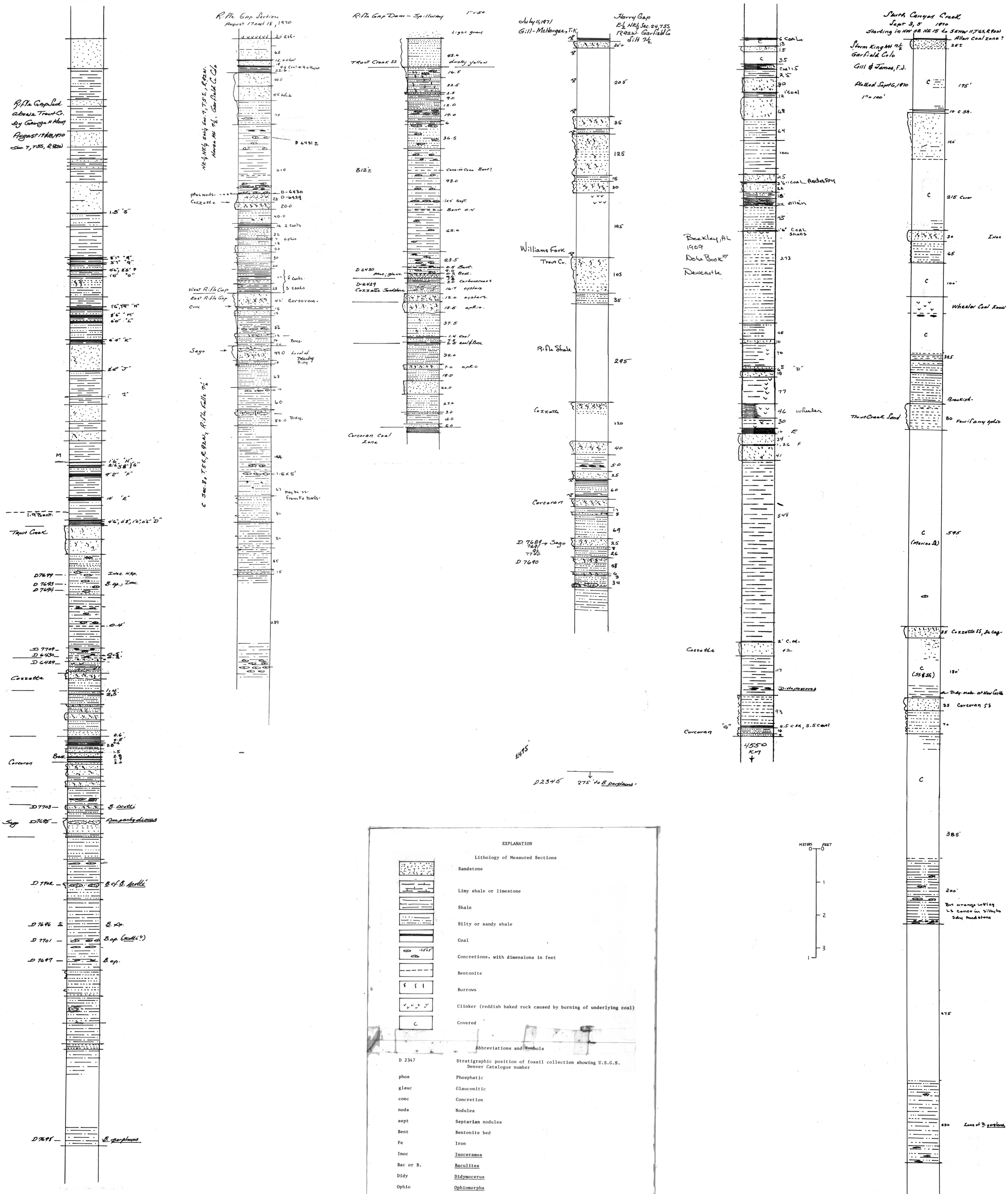
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY




EXPLANATION

Lithology of Measured Sections

| | |
|---|---|
| | Sandstone |
| | Limy shale or limestone |
| | Shale |
| | Silty or sandy shale |
| | Coal |
| 1.5'x5' | Concretions, with dimensions in feet |
| | Bentonite |
| | Burrows |
| | Clinker (reddish baked rock caused by burning of underlying coal) |
| C | Covered |

Abbreviations and Symbols

| | |
|---|---|
| D 2347 | Stratigraphic position of fossil collection showing U.S.G.S. Denver Catalogue number |
| phos | Phosphatic |
| glauc | Glauconitic |
| conc | Concretion |
| nods | Nodules |
| sept | Septarian nodules |
| Bent | Bentonite bed |
| Fe | Iron |
| Inoc | Inoceramus |
| Bac or B. | Baculites |
| Didy | Didymocerus |
| Ophio | Ophiomorpha |
| c sh | Carbonaceous shale |
| ⚒ | Stratigraphic position of coal mine or prospect |
| "D" Wheeler | Coal bed or coal zone, names of local usage |

Stratigraphic names are not edited for conformity with stratigraphic code

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

Sections plotted and measured by James R. Gill, except where noted
Fossil determinations by W. A. Cobban and J. R. Gill
Stratigraphic assignments by J. R. Gill
Compiled by V. L. Freeman

# STRATIGRAPHIC SECTIONS OF THE UPPER MANCOS SHALE—LOWER MESAVERDE FORMATION INTERVAL ALONG THE GRAND HOGBACK BETWEEN RIFLE GAP AND NORTH THOMPSON CREEK, GARFIELD AND PITKIN COUNTIES, COLORADO

By

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1978