EXPLANATION

SEDIMENTARY ROCKS

- Qal — Alluvium (Valley fill and terrace gravel)
- Tg — Gravel (Pebbles of yellow sandstone and weathered igneous rock embedded in sandstone matrix cemented with calcium carbonate) — TERTIARY (?) QUATERNARY
- UNCONFORMITY
- Kmn, Kmf, Kmh — Mancos shale (Steel-gray marine shale, with Ferron sandstone member, Kmf, massive medium-grained buff sandstone, about 800 feet above base) — Upper Cretaceous — CRETACEOUS
- Kd — Dakota (?) sandstone (Buff and gray conglomeratic sandstone, locally contains carbonaceous shale)
- UNCONFORMITY
- Km — Morrison formation (Variegated shale, gray conglomeratic sandstone, and occasional thin limestone; Salt Wash sandstone member at base) — Lower Cretaceous (?) — CRETACEOUS (?)
- UNCONFORMITY
- Js — Summerville formation (Red sandy mudstone studded with large chert nodules)
- Jem — Entrada sandstone (Massive cross-bedded sandstone, banded orange and white, with Moab tongue, Jem, massive white medium-grained friable sandstone, at top) — Upper Jurassic (San Rafael group) — JURASSIC
- Jc — Carmel formation (Red mudstone and sandstone, with some cherty limestone)
- UNCONFORMITY (?)
- Jn — Navajo sandstone (Buff to gray massive cross-bedded sandstone, with locally a few thin beds of limestone and red mudstone) — Glen Canyon group
- Jk — Kayenta formation (Irregularly bedded red to gray fine to coarse mudstone with some conglomerate and red to lavender shale)
- Jw — Wingate sandstone (Massive cross-bedded cliff-forming buff sandstone) — JURASSIC (?)
- UNCONFORMITY (?)
- Trc — Chinle formation (Interbedded buff to red mudstone, limestone and mud-pellet conglomerates, and variegated shale) — Upper Triassic
- Trs — Shinarump conglomerate (Light-brown to gray sandstone and quartz-pebble conglomerate) — Upper (?) Triassic — TRIASSIC
- UNCONFORMITY
- Trm — Moenkopi formation (Chocolate-brown shale with wavy-rose ledges of brown to gray ripple-marked sandstone) — Lower Triassic

UNCONFORMITY

- Ccb / Cccm — Cutler formation (In northern part of area, where formation is not divisible, it consists of purple, red, and buff arkosic sandstone and conglomerate, but in southern part of area it consists of Ccb, lower cliff-forming buff sandstone member, Cccm, massive cross-bedded red and white sandstone with thin beds of cherty sandstone, overlain by the Bisque tongue, Ccb, red arkosic sandstone and red mudstone) — Permian — CARBONIFEROUS
- Cr — Rico formation (Purple, red, and buff arkose sandstone and conglomerate with several thin beds of marine limestone) — Pennsylvanian
- Ch — Hermosa formation (Interbedded blue limestone and greenish-gray sandstone) — Pennsylvanian (?)
- Cp — Paradox formation (Interbedded gypsum and black shale)

IGNEOUS ROCKS

- t — Soda trachyte

- Fault (U, upthrow; D, downthrow)
- Strike and dip of rocks
- Dry hole
- Dry hole, with show of gas
- Dry hole, with show of oil and gas
- 5760 — Altitude above sea level
- Section corner located
- Township corner located
- 5000 — Structure contours (Contours drawn on top of Rico formation 50-foot interval; contours drawn on base of Wingate sandstone 100-foot interval. Datum sea level)

Section along line A-A'

Section along line C-C'

Section along line B-B'

Base compiled from township plats of the U. S. General Land Office and field sheets of the U. S. Geological Survey

Geology by A. A. Baker, assisted by G. H. Hansen, C. Brewer, Jr., M. I. Goldman, C. Y. Theis, L. W. Clark, and C. B. Hunt
Surveyed in 1926, 1927, and 1929

WILLIAMS & HEINTZ CO., WASH., D. C.

MAP SHOWING GEOLOGIC STRUCTURE OF MOAB DISTRICT, UTAH

1 0 3 Miles — 62,500

1933