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DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
U. S. ATOMIC ENERGY COMMISSION

TRACE ELEMENTS MEMORANDUM REPORT 960



EXPLANATION

- SEDIMENTARY ROCKS**
- Surficial deposits
 - Curtis formation
 - Entrada sandstone
 - Carmel formation
 - Navajo sandstone, Jn; Tenney Canyon tongue of the Kayenta formation, Jkt; Lamb Point tongue of the Navajo sandstone, Jnl
- IGNEOUS ROCKS**
- Basalt
- CONTACTS**
- Contact Can be located within 30 feet horizontally
 - Contact Can be located within 30 to 200 feet horizontally
 - Contact Cannot be located accurately; probable error greater than 200 feet horizontally
 - Probable contact
 - Resistant bed within a formation May be traceable only locally
 - Fault U, upthrown side; D, downthrown side. Questioned where probable
 - Linear feature uninterpretable on photograph May be geologically significant
- STRUCTURAL FEATURES**
- Strike and dip of beds Computed by photogrammetric methods
 - Approximate strike and dip of beds Based on photointerpretation
 - Inferred strike and dip of beds Based on photointerpretation of areas where bedding is obscure
 - Strike of approximately vertical joints Based on photointerpretation
- ROADS AND OTHER FEATURES**
- Adit
 - Primary road
 - Secondary road
 - Trail
 - Fence

Base map modified from U. S. Geological Survey well-known topographic map, Johnson NE quadrangle, Utah.
The aerial photographs used for photogeologic interpretation were taken in June 1955, August and September 1955, and November 1956.
Roads as classified in this map series are as follows: Primary roads are maintained and graded, traversable by two-wheel-drive vehicles; secondary roads are traversable possibly by two-wheel-drive vehicles; trails are not traversable by four-wheel-drive vehicles except locally. When other information is lacking, roads are classified by their appearance on aerial photographs.



PHOTOGEOLOGIC MAP
OF THE
JOHNSON NE QUADRANGLE
KANE COUNTY, UTAH

By
R. J. Hackman

Scale 1:24,000

January 1957

This preliminary report is distributed without editorial and technical review for conformity with official standards and nomenclature. It is not for public inspection or quotation.

Stratigraphic column for this area modified from Am. Assoc. Petroleum Geologists Bull., v. 39, pp. 2515-2524, 1955; U. S. Geol. Survey Prof. Paper 226, 1951; and U. S. Geol. Survey Prof. Paper 220, 1950. Geographic and geologic field data from Prof. Paper 226, Prof. Paper 220, and U. S. Geol. Survey prelim. topo. map, Johnson NE quadrangle, Utah.
This map has been compiled mainly from photogeologic data and has not been checked in the field.

