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DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

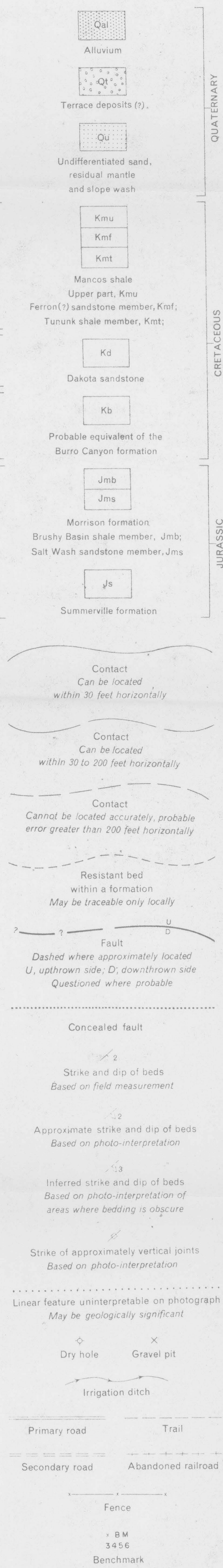
PREPARED IN COOPERATION WITH THE
ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP, TIDWELL-3
UTAH-EMERY COUNTY

TRACE ELEMENTS MEMORANDUM REPORT 759



EXPLANATION



Note: The probable equivalent of the Burro Canyon formation is believed to be the Buckhorn conglomerate of Stokes and the Cedar Mountain shale of Stokes (Geol. Soc. of America Bull., vol. 55, 1944). The contact between the Brushy Basin shale member of the Morrison formation and the lower unit of the probable equivalent of the Burro Canyon formation in Tidwell 3 has been mapped below that contact in Tidwell 4. See W. L. Stokes, Geol. Soc. America Bull. 44, pp. 966 and 978, 1944.

Base map modified from Soil Conservation Service map Utah-223. The aerial photographs used for photogeologic interpretation were taken in August 1952.

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

| | | |
|----|----|----|
| 4 | 2 | 1 |
| 5 | 6 | 7 |
| 12 | 11 | 10 |
| 13 | 14 | 15 |

TIDWELL-3
QUADRANGLE

PHOTOGEOLOGY BY C. H. MARSHALL
SCALE 1:24,000

OCTOBER 1954

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.

Stratigraphic column for this area modified from U. S. Geol. Survey Oil and Gas Inv. Map OM 13, 1962 and U. S. Geol. Survey Bull. 861, 1945. Geographic and geologic field data also from Bull. 861. This map has been compiled mainly from photogeologic data but has not been checked in the field. Hence it has not the benefit of thorough evaluation with respect to maps compiled entirely from field data.