PHOTOGEOLOGIC MAP TIDWELL-12 PREPARED IN COOPERATION WITH THE DEPARTMENT OF THE INTERIOR ATOMIC ENERGY COMMISSION UTAH - EMERY COUNTY U. S. GEOLOGICAL SURVEY TRACE ELEMENTS MEMORANDUM REPORT 750 R. 14 E. 110° 22'30" 110°25′00″ 110°27′30″ (TIDWELL-5) EXPLANATION Valley fill and alluvium, Qal; windblown sand, Qd; covering residual mantle, and slope wash), Qc T. 24 S. Entrada sandstone Carmel formation Contact Can be accurately located Contact Cannot be located accurately; probable error greater than 200 feet Probable or doubtful contact Dashed where approximately located U, upthrown side; D, downthrown side Probable or doubtful fault Showing trace of axial plane and direction of plunge ->> -E> Anticline Syncline Minor fold showing plunge Strike and dip of beds (Based on field measurement) Strike and dip of beds Based on photo-interpretation . . . Horizontal beds Uninterpretable linear feature on photograph May be geologically significant Primary road ----Secondary road Trail Note: On aerial photographs the Entrada sandstone in this area shows considerable intraformational folding. T. 25 S. (TIOWELL-13) Stratigraphic column for this area modified from U.S. Geol. Survey Bull. 951,1946. Geographic and geologic field data also from U.S. Geol. Survey Bull. 951,1946. Maps of this series have been compiled mainly from photogeologic data but have not been checked in the field; hence they have not had the benefit of thorough evaluation with respect to maps compiled entirely from field data. PLANIMETRIC BASE MAP COMPILED BY SOIL CONSERVATION SERVICE 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 PHOTOGEOLOGY BY C. F. MILLER SCALE 1:24,000 traversable by four-wheel drive vehicles except locally. When other information is lacking, roads are classified by their appearance on aerial photographs. MARCH 1954 This map is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature. QUADRANGLE M(200) R290 no.54-212 c.)

3 1818 00360552 2