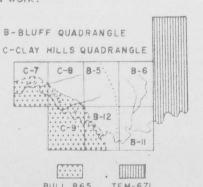
AUG 19 1986 CEOTOCIC DIAIS PHOTOGEOLOGIC MAP, BLUFF-12 EXPLANATION SEDIMENTARY ROCKS Undifferentiated sand, residual mantle, and slope wash Pcc Pcha Cutler formation Cedar Mesa sandstone member, Pcc; Upper unit, PIPru; Halgaito tongue, Pcha Hermosa formation IGNEOUS ROCKS Dikes and Plugs Contact Can 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. Resistant bed within a formation May be traceable only locally Fault U, upthrown side; D, downthrown side. Anticline ¥ Showing crest line and direction of plunge Approximately located. 1 2 Strike and dip of beds Based on field measurement. 13 Strike and dip of beds Computed by photogrammetric methods. 12 Approximate strike and dip of beds Based on photointerpretation. > 23 Inferred strike and dip of beds Based on photointerpretation of areas where bedding is obscure. Strike of approximately vertical joints Based on photointerpretation. ************* Linear feature uninterpretable on photograph May be geologically significant. Dry hole Gravel pit Diversion channel Reservation boundary Primary, road Secondary road Trail NOTE: Planimetric and geologic detail on this map, Bluff-12, does not properly join that on Bluff-13 owing to a more recent and accurate base map compilation and to new geologic interpretation resulting from recent field work. B-BLUFF QUADRANGLE C-CLAY HILLS QUADRANGLE C-7 C-8 B-5 B-6



The contact between the Cutler and Rico tormations is mapped stratigraphically lower west of the dotted line (U. S. Geol. Survey Bull. 865, 1936) than it is east of the dotted line (U. S. Geol. Survey Trace Elements Memo. Rept. 671, 1954). The stratigraphic interval between these "contacts" has been mapped as the upper part of the Rico formation east of the dotted line and has been included in the Halgaito tongue of the Cutler formation west of the dotted line.



BLUFF

QUADRANGLE

U. S. Geological Survey standards and

nomenclature.