

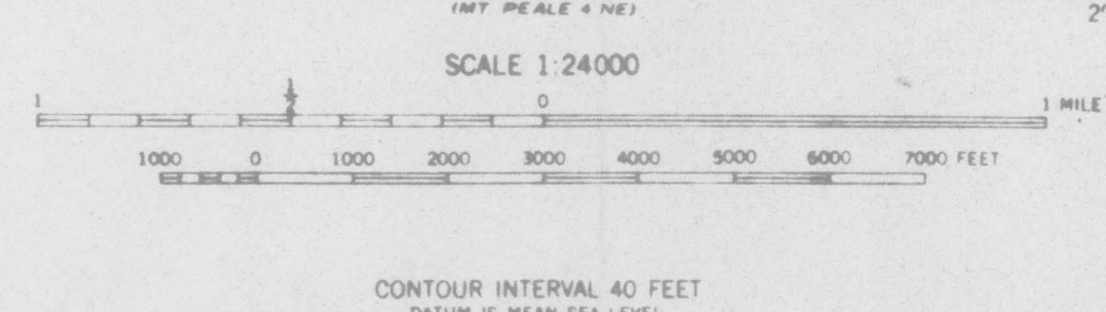
U.S. GEOLOGICAL SURVEY  
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THIS MAP CONCERNS WORK DONE BY THE U.S.  
GEOLOGICAL SURVEY ON BEHALF OF THE DIVISION OF  
RAW MATERIALS OF THE U.S. ATOMIC ENERGY COMMISSION



Mapped by the Geological Survey 1954  
Topography by multiple methods from  
aerial photographs taken 1951  
Dashed lines indicate approximate locations  
Symbols and other details herein  
drawn for 1:62,500 scale publication

APPROXIMATE MEAN  
DECLINATION 1954

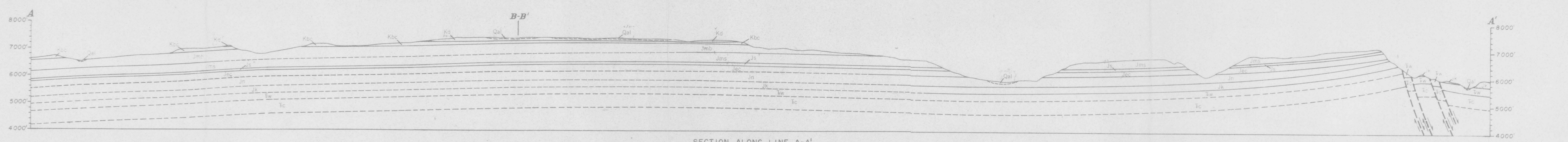


Geology by W.D. Carter and  
J.L. Gualtieri, assisted by  
J.C. Warman and W.R. Barton, 1955

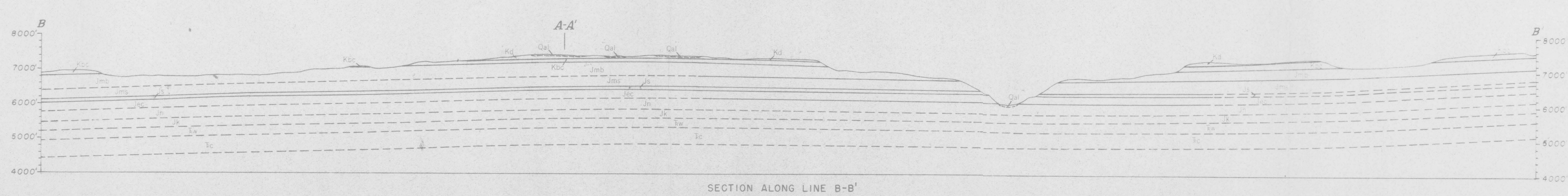
EXPLANATION

Geologic Period	Geologic Unit	Description
Quaternary	Qal	Alluvium Light-red wind-deposited sand and silt on benches and mesa tops, reworked in part by water; recent valley fill and stream deposits.
	Ql	Landslide deposits
Cretaceous	Kd	Dakota sandstone Yellowish lenticular sandstone and conglomerate with interbedded carbonaceous shale and impure coal. Forms ledges and cliffs capping mesas.
	Kdc	Burro Canyon formation White, gray, light orange-brown sandstone and conglomerate with interbedded green and purplish shale; overlaid by light-green sandstone, siltstone, and shale with interbedded chert, impure limestone, and thin-bedded quartzite. Cliff-forming sandstone provides base for high mesas.
	Jab, Jms	Morrison formation Variegated shale and mudstone; white, gray, rusty-red, and buff sandstone; local thin limestone beds. Jab, Brushy Basin shale member, consists largely of bentonitic shale, but includes sandstone and conglomerate lenses some of which contain uranium-vanadium deposits. Jms, Salt Wash sandstone member, with more numerous and thicker sandstone beds. Uppermost continuous sandstone contains major uranium-vanadium deposits of area.
Jurassic	Js	Summerville formation Thin-bedded red, gray, green, and brown sandy shale and mudstone. Forms steep slopes.
	Jec	Entrada sandstone and Carmel formation, undifferentiated Orange, buff, and white, fine-grained, massive and crossbedded Entrada sandstone at the top. Red sandstone and mudstone of the Carmel formation at the base. Forms rounded slopes and steep cliffs.
Triassic	Jn	Navajo sandstone Buff and gray crossbedded fine-grained sandstone. Forms rounded slopes and steep cliffs.
	Jk	Kayenta formation Irregularly bedded, red, buff, gray, and lavender shale, siltstone, and fine- to coarse-grained sandstone.
Triassic	Jw	Wingate sandstone Fine-grained reddish-brown cliff-forming sandstone, thick-bedded, massive, and crossbedded.
	Jc	Onia formation Red to orange-red siltstone with interbedded lenses of red sandstone, shale, and limestone-pebble and clay-pellet conglomerate. Lenses of quartz-pebble conglomerate and grit at base.
Contact		(Dashed where approximately located; dotted where concealed)
High angle fault		(Dashed where approximately located; dotted where concealed; U, upthrown side; D, downthrown side)
Strike and dip of beds		Symbol with strike and dip angle
Horizontal beds		Symbol with horizontal line
Structure contours		Symbol with contour interval (e.g., 600)
Mines and Prospects		Symbol for Uranium-vanadium deposits
Aquit		Symbol for aquit
Mine		Symbol for mine
Shaft		Symbol for shaft

PRELIMINARY GEOLOGIC MAP OF THE MT. PEALE 1 SE QUADRANGLE, SAN JUAN COUNTY, UTAH, AND MONTROSE COUNTY, COLORADO



SECTION ALONG LINE A-A'



SECTION ALONG LINE B-B'