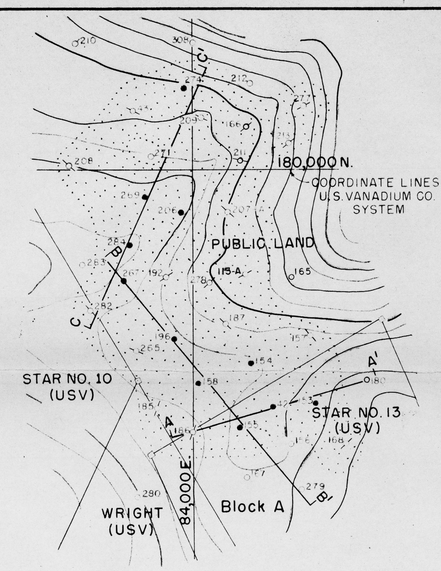
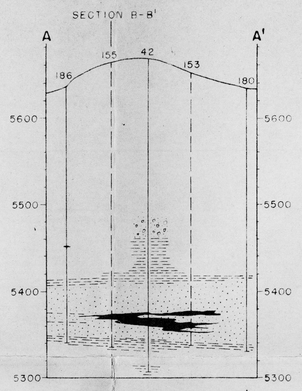
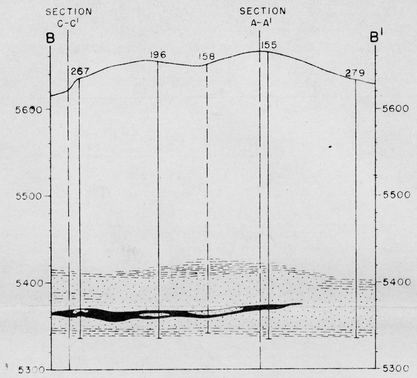
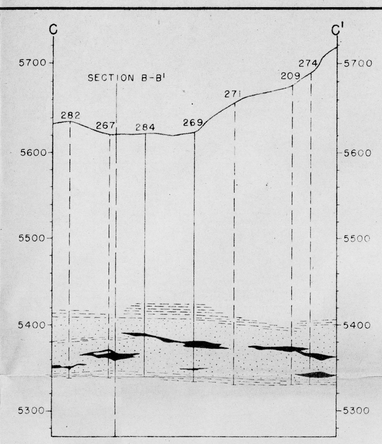








EXPLANATION
(map)

GROUND UNDERLAIN BY URANIUM-BEARING ROCK FOUND BY U.S. GEOLOGICAL SURVEY DRILLING, 1951-53. PROJECTED TO INFERRED LIMITS OF MINERALIZED LAYERS, SOME OF WHICH OVERLAP AND ARE NOT CONNECTED BETWEEN ADJACENT HOLES. INCLUDES RESERVE BLOCKS WHERE SHOWN

CLAIM CORNER OR MONUMENT FOUND IN THE FIELD AND LOCATED BY PLANE-TABLE-SURVEY METHODS. CLAIM LINES CONNECTING THESE CORNERS SHOWN BY SOLID LINES

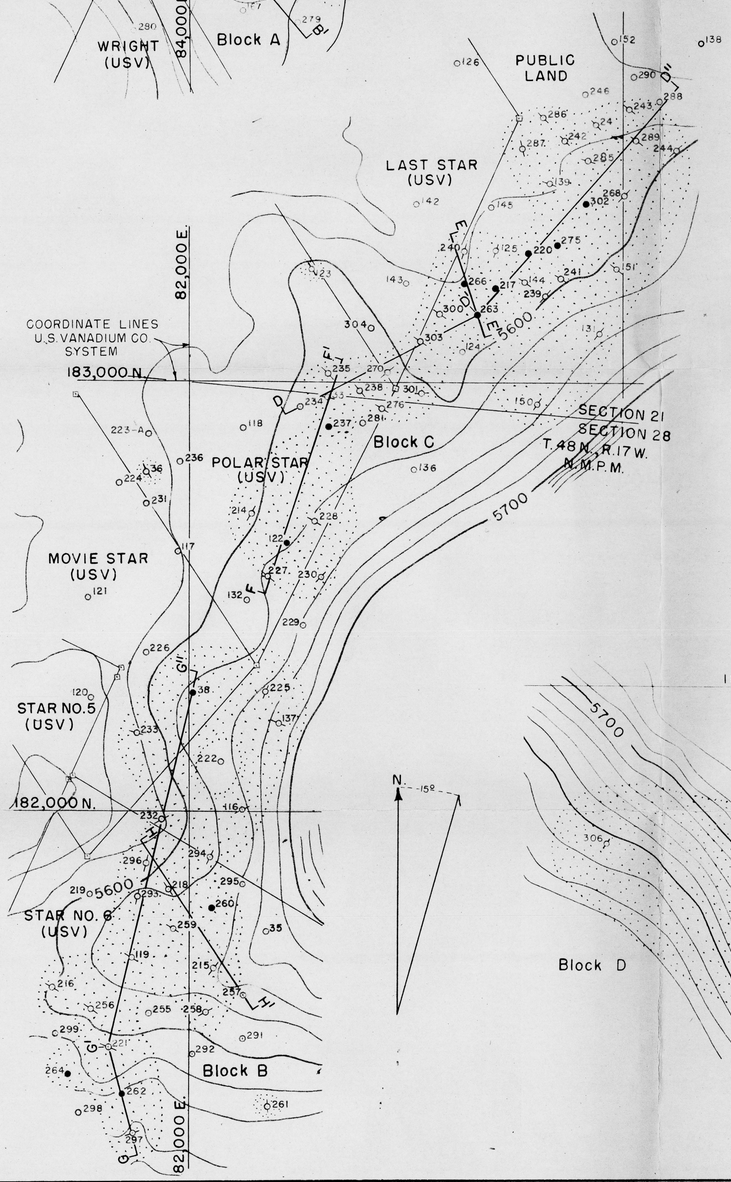
DIAMOND-DRILL HOLES, U.S. GEOLOGICAL SURVEY, 1951-53. CLASSIFICATION BY GRADE (based on chemical assay or gamma-ray data of doubtful reliability) AND THICKNESS. HOLES LOCATED BY PLANE TABLE-SURVEY METHODS, EXCEPT HOLES 165 AND 231 WHICH WERE LOCATED BY TAPE AND COMPASS. (numbers on drill-hole standpipes in field have prefix SB)

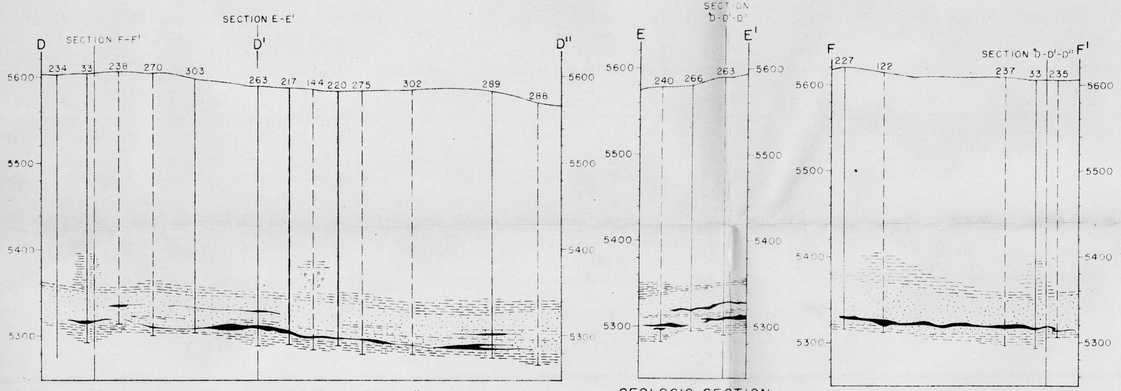
126
BARREN

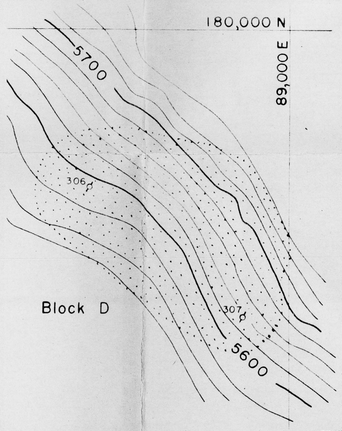
151
WEAKLY MINERALIZED
(contains less than 0.10 percent U_3O_8 and 1.0 percent P_2O_5 but 0.02 percent or more U_3O_8 or 0.10 percent or more P_2O_5 by chemical assay or registers gamma-ray values within the range from 0.020 to 0.045 percent eU_3O_8, or less than 1 foot thick if higher grade)

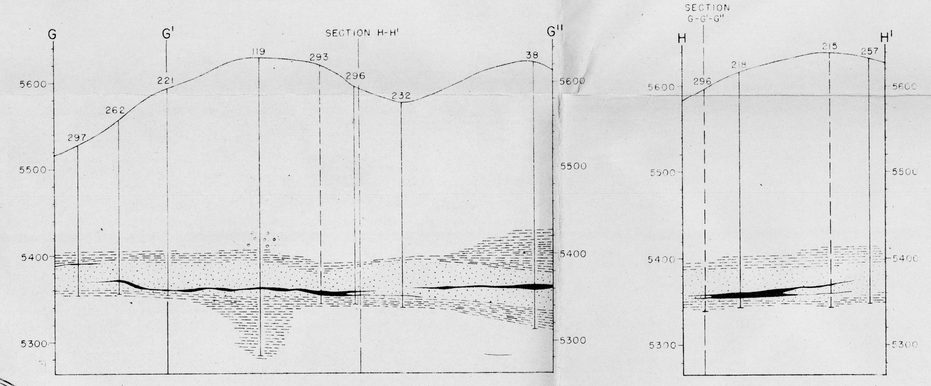
302
ORE BEARING
(contains 0.10 percent or more U_3O_8 or 1.0 percent or more P_2O_5 by chemical assay or registers gamma-ray values of 0.10 percent or more eU_3O_8 and 1 foot or more thick)

200 0 600 FEET
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL









EXPLANATION
(geologic sections)

MUDSTONE AND FINE-GRAINED SANDSTONE

CONGLOMERATIC SANDSTONE

ORE-BEARING SANDSTONE

URANIUM-BEARING ROCK

WHERE NO ROCK SYMBOL IS SHOWN NO CORE WAS TAKEN

266
DIAMOND-DRILL HOLE, U.S. GEOLOGICAL SURVEY, 1951-53. dashed where projected into section

200 0 600 FEET
HORIZONTAL SCALE
100 0 300 FEET
VERTICAL SCALE
DATUM IS MEAN SEA LEVEL

GEOLOGY BY D.C. ALVORD
SURVEYING BY J.N. PLAKE

U.S. GEOLOGICAL SURVEY
WASHINGTON
APR 10 1959
LIBRARY

*(200)
T672
no.289

Figure 3. DETAIL MAPS AND GEOLOGIC SECTIONS OF PARTS OF SAN MIGUEL BENCH, MONTROSE COUNTY, COLORADO.