



EXPLANATION

- APPROXIMATE TOP OF ORE-BEARING SANDSTONE
- APPROXIMATE BASE OF ORE-BEARING SANDSTONE
- BOUNDARY OF FAVORABLE, SEMIFAVORABLE AND UNFAVORABLE GROUND UNDERLAIN BY ORE-BEARING SANDSTONE
- GROUND UNDERLAIN BY URANIUM-BEARING ROCK FOUND BY GEOLOGICAL SURVEY DRILLING; PROJECTED TO THE INFERRED OUTER EDGES OF MINERALIZED LAYERS SOME OF WHICH OVERLAP AND ARE NOT CONNECTED BETWEEN ADJACENT DRILL HOLES; INCLUDES RESERVE BLOCKS WHERE SHOWN
- MINE WORKINGS, UNDERGROUND
- MINE WORKINGS, OPEN CUT
- MINE DUMP
- BOUNDARY BETWEEN DOLORES BENCH AND ATKINSON MESA

20|21  
29|28 LAND SECTION CORNER FOUND IN FIELD AND LOCATED BY PLANE TABLE SURVEY METHODS

DIAMOND-DRILL HOLES, GEOLOGICAL SURVEY, 1951-52. CLASSIFICATION BY GRADE (BASED ON CHEMICAL ASSAY OR GAMMA-RAY DATA) AND THICKNESS. MOST DRILL HOLES LOCATED BY PLANE-TABLE SURVEY METHODS. HOLES 32, 119, 120-A, 121-A, AND 122 LOCATED BY PACE AND COMPASS SURVEY METHODS. (NUMBERS ON DRILL-HOLE STANDPIPES IN FIELD HAVE PREFIX DB)

- 116 BARREN
- 137 WEAKLY MINERALIZED (CONTAINS LESS THAN 0.10%  $U_3O_8$  OR 1.0%  $V_2O_5$  BUT 0.020% OR MORE  $U_3O_8$  OR 0.10% OR MORE  $V_2O_5$  BY CHEMICAL ASSAY OR REGISTERS GAMMA-RAY VALUES WITHIN THE RANGE FROM 0.020% TO 0.099%  $EU_3O_8$ , OR LESS THAN 1 FOOT THICK IF HIGHER GRADE)
- 34 ORE-BEARING (CONTAINS 0.10% OR MORE  $U_3O_8$  OR 1.0% OR MORE  $V_2O_5$  BY CHEMICAL ASSAY OR REGISTERS GAMMA-RAY VALUES OF 0.10% OR MORE  $EU_3O_8$ , AND 1 FOOT OR MORE THICK)

SEE FIGURE 3 FOR AREA OF LAND WITHDRAWN FOR USE OF U.S. ATOMIC ENERGY COMMISSION

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

GEOLOGY BY D. A. JOBIN  
SURVEYING BY C. N. BROWN

CONTOUR INTERVAL 20 FEET  
DATUM IS MEAN SEA LEVEL

FIGURE 6.--MAP OF SOUTHEAST PART OF DOLORES BENCH AREA, MONTROSE COUNTY, COLORADO