



EXPLANATION

BOUNDARY OF FAVORABLE GROUND UNDERLAIN BY ORE-BEARING SANDSTONE

GROUND UNDERLAIN BY URANIUM BEARING ROCK PROJECTED TO INFERRED OUTER EDGES OF MINERALIZED LAYERS, SOME OF WHICH OVERLAP AND ARE NOT CONNECTED BETWEEN ADJACENT DRILL HOLES. INCLUDES RESERVE BLOCKS WHERE SHOWN

21122
28127
LAND SECTION CORNER FOUND IN FIELD AND LOCATED BY PLANE-TABLE SURVEY METHODS; OTHER LAND CORNERS LOCATED APPROXIMATELY

BOUNDARY BETWEEN SPRING CREEK MESA AREA AND SAN MIGUEL BENCH

DIAMOND-DRILL HOLE, GEOLOGICAL SURVEY, 1951-53. CLASSIFICATION BY GRADE (BASED ON CHEMICAL ASSAY OR GAMMA-RAY DATA OF DOUBTFUL RELIABILITY) AND THICKNESS. DRILL HOLES LOCATED BY PACE AND COMPASS OR PLANE-TABLE SURVEY METHODS. (NUMBERS ON DRILL HOLE STANDPIPES IN FIELD HAVE PREFIX DC)

o123
BARREN

o122
WEAKLY MINERALIZED
(CONTAINS LESS THAN 0.10% U₃O₈ OR 1.0% V₂O₅ BUT 0.020% OR MORE U₃O₈ OR 0.10% OR MORE V₂O₅ BY CHEMICAL ASSAY OR REGISTERED GAMMA-RAY VALUES WITHIN THE RANGE FROM 0.020% TO 0.09% U₃O₈ OR LESS THAN 1 FOOT THICK IF HIGHER GRADE)

o13
ORE-BEARING
(CONTAINS 0.10% OR MORE U₃O₈ OR 1.0% OR MORE V₂O₅ BY CHEMICAL ASSAY OR REGISTERED GAMMA-RAY VALUES OF 0.10% OR MORE U₃O₈ AND 1 FOOT OR MORE THICK)

SEE FIGURE 2 FOR LIMITS OF LAND WITHDRAWN FOR USE OF U.S. ATOMIC ENERGY COMMISSION. SEE TEXT FOR AVAILABILITY FOR LOGS IN WITHDRAWN AREAS

Coordinate lines
U.S. Vanadium Co. system

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

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0 200 400 600 800 1000 FEET
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

FIGURE 3.—GEOLOGIC MAP OF THE WESTERN PART OF SPRING CREEK MESA, MONTROSE COUNTY, COLORADO

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SEMIFAVORABLE AND UNFAVORABLE