DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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EXPLANATION
(continued)

DIAMOND-DRILL HOLES, GEOLOGICAL SURVEY, 1953-54.
CLASSIFICATION BY GRADE (BASED ON GAMMA-RAY
DATA OF DOUBTFUL RELIABILITY AND CHEMICAL ASSAY)
AND THICKNESS. DRILL HOLES LOCATED BY TRANSIT AND
STADIA SURVEY METHODS. (NUMBERS ON DRILL-HOLE STAND-
PIPES IN FIELD HAVE PREFIX BV).

ORE BEARING
(CONTAINS 0.10 PERCENT OR MORE U_3O_8 OR 1.0
PERCENT OR MORE V_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.

WEAKLY MINERALIZED
(CONTAINS LESS THAN 0.10 PERCENT U_3O_8 AND 1.0 PER-
CENT V_2O_5 BUT 0.020 PERCENT OR MORE U_3O_8 OR 0.10
PERCENT OR MORE V_2O_5 BY CHEMICAL ASSAY OR REGIS-
TERS GAMMA-RAY VALUES WITHIN THE RANGE FROM 0.020
PERCENT TO 0.099 PERCENT eU_3O_8 , OR LESS THAN 1
FOOT THICK IF HIGHER GRADE).

WEAKLY MINERALIZED
(IN THE BRUSHY BASIN MEMBER ONLY)

BARREN

EXPLANATION

FORMATION CONTACT BETWEEN THE CRETACEOUS DAKOTA AND
BURRO CANYON FORMATIONS; DASHED WHERE CONCEALED
Kd / Kbc

FORMATION CONTACT BETWEEN THE CRETACEOUS BURRO
CANYON FORMATION AND THE BRUSHY BASIN MEMBER
OF THE JURASSIC MORRISON FORMATION; DASHED
WHERE CONCEALED
Kbc / Jmb

FORMATION CONTACT BETWEEN THE BRUSHY BASIN AND
SALT WASH MEMBERS OF THE JURASSIC MORRISON
FORMATION; DASHED WHERE CONCEALED
Jmb / Jms

HIGH ANGLE FAULT, DASHED WHERE CONCEALED
(U, UPTHROWN SIDE; D, DOWNTHROWN SIDE)

BOUNDARY OF FAVORABLE, SEMIFAVORABLE, AND
UNFAVORABLE GROUND

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

GROUND DRILLED BY PRIVATE ENTERPRISE
(INDIVIDUAL DRILL HOLES NOT SHOWN)

VERTICAL SHAFT

PORTAL OF TUNNEL OR ADIT

COORDINATE LINES, U.S. GEOLOGICAL SURVEY SYSTEM

2
LAND SECTION NUMBER

BEAVER CREEK CANYON

LUMSDEN CANYON

JOHN BROWN CANYON

SEMIFAVORABLE

AND

UNFAVORABLE

FAVORABLE

UNFAVORABLE

SEMIFAVORABLE AND UNFAVORABLE

FAVORABLE

RAE MARIE 3 MINE
RAE MARIE 6 AND CEDAR POINT 2 MINES
RAJAH MINE
DOCTOR JR. MINE
CANYON MINE
PACK RAT MINE
LUMSDEN 3 MINE
LUMSDEN 1 MINE
LUMSDEN 2 MINE
LA SAL GROUP
PROSPECT 2 MINE
CORVUSITE MINE
CHEROKEE SHAFT
RAJAH SHAFT

Block F
Block K
Block E
Block D
Block H
Block G
Block B
LOT NO.1
Block A
Block C
Block I
Block L

T.24 S., R.26 E.
T.25 S., R.26 E. S.L.M.

T.51 N., R.19 W.
T.50 N., R.19 W. N.M.P.M.

T.50 N., R.20 W. T.50 N., R.19 W. N.M.P.M.

GRAND COUNTY / MESA COUNTY

UTAH / COLORADO

To Moab
To Gateway

John Brown Creek

CONTOUR INTERVAL 200 FEET
DATUM IS MEAN SEA LEVEL

1000   0   4000 FEET

FIGURE 2.--MAP SHOWING LOCATION OF HOLES DRILLED BY U.S. GEOLOGICAL SURVEY IN THE
BEAVER MESA AREA, GATEWAY DISTRICT, MESA COUNTY, COLORADO, AND GRAND COUNTY, UTAH