



SECTION 33 SECTION 34
T. 45 N., R. 18 W.
N. M. P. M.
Land section line located approximately

EXPLANATION

- APPROXIMATE BASE OF MAIN ORE-BEARING SANDSTONE; INFERRED PROJECTIONS SHOWN BY (?)
- GROUND UNDERLAIN BY CARNOTITE-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
- PROSPECT PIT
- MINE WORKINGS, OPEN CUT

- DIAMOND-DRILL HOLES, GEOLOGICAL SURVEY, 1952.**
CLASSIFICATION BY GRADE (BASED ON CHEMICAL ASSAY OR GAMMA-RAY DATA) AND THICKNESS. DRILL HOLES LOCATED BY PLANE-TABLE SURVEY METHODS. (NUMBERS ON DRILL-HOLE STANDPIPES OR STAKES IN FIELD HAVE PREFIX GV)
- 33 BARREN
- 40 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 REGISTERS GAMMA-RAY VALUES WITHIN THE RANGE FROM 0.020% TO 0.099% EU₃O₈; OR LESS THAN 1 FOOT THICK IF HIGHER GRADE)
- 20 ORE (CONTAINS 0.10% OR MORE U₃O₈ OR 1.0% OR MORE V₂O₅ BY CHEMICAL ASSAY OR REGISTERS GAMMA-RAY VALUES OF 0.10 OR MORE EU₃O₈; AND 1 FOOT OR MORE THICK)

- DIAMOND-DRILL HOLES, U.S. BUREAU OF MINES, 1943.**
CLASSIFICATION BY GRADE (BASED ON CHEMICAL ASSAY DATA) AND THICKNESS. DRILL HOLES LOCATED BY PLANE-TABLE SURVEY METHODS. (NUMBERS ON DRILL-HOLE STAKES IN FIELD HAVE PREFIX BM)
- 977 BARREN
- 980 WEAKLY MINERALIZED (CONTAINS LESS THAN 0.10% U₃O₈ OR 1.0% V₂O₅ BY CHEMICAL ASSAY OR LESS THAN 1 FOOT THICK IF HIGHER GRADE)
- 976 ORE-BEARING (CONTAINS 0.10% OR MORE U₃O₈ OR 1.0% OR MORE V₂O₅ BY CHEMICAL ASSAY, AND 1 FOOT OR MORE THICK)

200 0 600 FEET

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

GEOLOGY BY C.M. MOBLEY
SURVEYING BY C.N. BROWN

Figure 9.--MAP SHOWING LOCATION OF HOLES DRILLED BY GEOLOGICAL SURVEY IN THE PAY DAY GROUP, GYPSUM VALLEY DISTRICT, SAN MIGUEL COUNTY, COLORADO