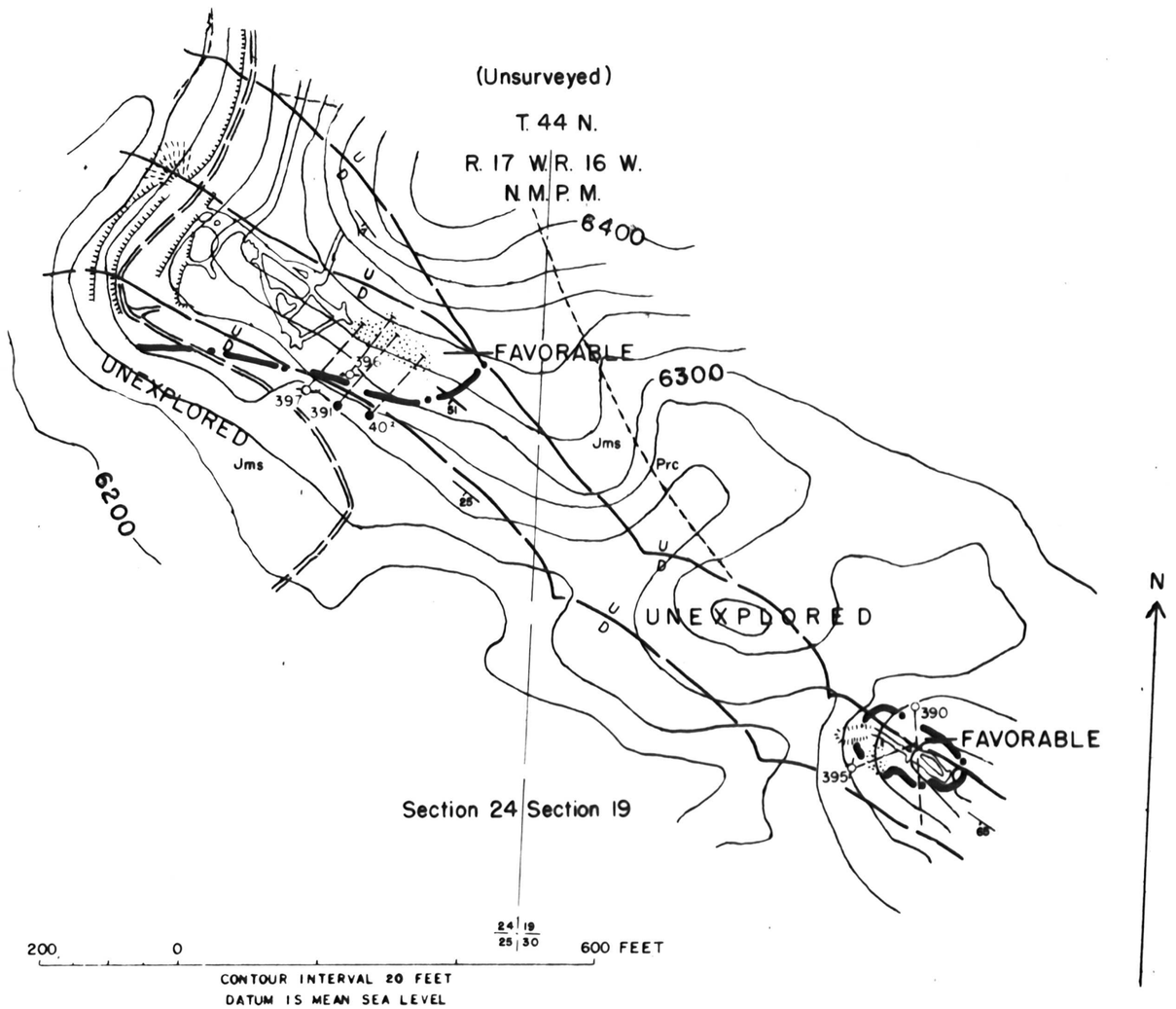

GEOLOGY BY E.M. BARGE
SURVEYING BY E.M. BARGE

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

EXPLANATION

FORMATION CONTACT, LOCATED APPROXIMATELY

U/D FAULT, LOCATED APPROXIMATELY, SHOWING RELATIVE MOVEMENT

BOUNDARY OF FAVORABLE, SEMIFAVORABLE AND UNEXPLORED GROUND UNDERLAIN BY ORE BEARING SANDSTONE

17 STRIKE AND DIP OF BEDS

GROUND UNDERLAIN BY CARNOTITE-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 BLOCK WHERE SHOWN

MINE WORKINGS, OPEN CUT

MINE WORKINGS, UNDERGROUND SHOWING DUMP

24 19 / 25 30 UNSURVEYED LAND SECTION CORNER, LOCATED APPROXIMATELY

DIAMOND-DRILL HOLES GEOLOGICAL SURVEY, 1953, SHOWING HORIZONTAL PROJECTION. CLASSIFICATION BY GRADE (BASED ON CHEMICAL ASSAY, OR GAMMA-RAY DATA OF DOUBTFUL RELIABILITY) AND THICKNESS. DRILL HOLES LOCATED BY PLANE-TABLE SURVEY METHODS. (NUMBERS ON DRILL HOLE STANDPIPES OR STAKES IN FIELD HAVE PREFIX GV)

390 BARREN

395 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 REGARDLESS OF GRADE)

403 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)

Figure 16.--MAP SHOWING LOCATION OF HOLES DRILLED BY GEOLOGICAL SURVEY IN THE TINY CLAIM, GYPSUM VALLEY DISTRICT, SAN MIGUEL COUNTY, COLORADO