



- EXPLANATION**
- CONTACT BETWEEN THE MISSISSIPPIAN SANDSTONE MEMBER AND THE UNRECORDED MIDDLE TRIASSIC CHINLE FORMATION, DASHED WHERE CONCEALED
 - CONTACT BETWEEN EITHER THE UPPER TRIASSIC SHINARUMP CONGLOMERATE OR THE VARIATED WOODSTONE IN THE LOWER PART OF THE UPPER TRIASSIC CHINLE FORMATION AND THE UNDERLYING LOWER AND MIDDLE TRIASSIC MOENKUPI FORMATION, DASHED WHERE CONCEALED
 - BOUNDARY OF AREA UNDERLAIN BY DOMINANTLY CONTINUOUS UPPER TRIASSIC SHINARUMP CONGLOMERATE
 - EDGE OF CHANNEL, COMMONLY BOUNDS OUTER LIMITS OF MINERALIZED GROUND AS DETERMINED BY U.S. GEOLOGICAL SURVEY DIAMOND DRILLING
 - GROUND DRILLED BY PRIVATE ENTERPRISE, INDIVIDUAL DRILL HOLES NOT SHOWN
 - WIRE ADIT, SHOWING DIRECTION
 - LAND SECTION CORNER RECOVERED IN FIELD AND LOCATED BY TRANSIT AND STADIA SURVEY METHODS; OTHER LAND CORNERS AND TOPOGRAPHY FROM U.S. GEOLOGICAL SURVEY QUADRANGLE MAPS WHITE CANYON AND ELK RIDGE
 - LAND SECTION NUMBER
 - COORDINATE LINES, U.S. ATOMIC ENERGY COMMISSION SYSTEM
 - DIAMOND-DRILL HOLES, U.S. GEOLOGICAL SURVEY, 1953-54, CLASSIFICATION BY GRADE (BASED ON CHEMICAL ASSAY AND GAMMA-RAY DATA OF DOUBTFUL RELIABILITY) AND THICKNESS (DRILL HOLES LOCATED BY TRANSIT AND STADIA AND PLANNABLE SURVEY METHODS. NUMBERS ON DRILL-HOLE STANDPIPES IN FIELD HAVE PREFIX DE)
 - BARREN
 - HEAVILY MINERALIZED (CONTAINS LESS THAN 0.1% U₃O₈ BUT 0.2% OR MORE U₃O₈ BY CHEMICAL ASSAY OR REGISTERS GAMMA-RAY VALUES WITHIN THE RANGE FROM 0.020 TO 0.050 R₀ OR IS LESS THAN 1 FOOT THICK IF HIGHER GRADE)
 - ORE-BEARING (CONTAINS 0.1% OR MORE U₃O₈ BY CHEMICAL ASSAY, OR REGISTERS GAMMA-RAY VALUES OF 0.100 R₀ OR MORE, AND IS 1 FOOT OR MORE THICK)
 - HOLES DRILLED IN 1955. SEE LOGS FOR INTERPRETATION AS TO BARREN, MINERALIZED, OR ORE-BEARING

0 1000 2000 3000 4000 5000 FEET
CONTOUR INTERVAL 200 FEET
DATUM IS MEAN SEA LEVEL

GEOLOGY BY T. L. FINNELL AND M. A. HUBBARD
SURVEYING BY C. COURNE, JR., AND C. N. BROWN

FIGURE 2.—MAP SHOWING LOCATIONS OF U.S. GEOLOGICAL SURVEY DRILL HOLES IN THE DEER FLAT AREA, SAN JUAN COUNTY, UTAH

OPEN FILE REPORT
This map is preliminary and has not been edited or revised for conformity with Geological Survey standards or nomenclature.