UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED ON BEHALF OF THE
U.S. ATOMIC ENERGY COMMISSION

PROFESSIONAL PAPER 712-B
PLATE 1

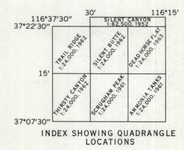
EXPLANATION

- U-19as — Emplacement drill hole and number
- UE-20d — 2075 / 4177 — Exploratory drill hole and number
  Number above line is depth to water, in feet below land surface; number below line is altitude of water level, in feet above mean sea level
- 4300 — Water-level contour
  Shows altitude of water level. Dashed where approximately located. Contour interval 100 feet. Datum is mean sea level
- Approximate position of inferred hydraulic barrier
  Barrier corresponds with major fault zone mapped on surface and confirmed in part by subsurface geological correlations
- Fault
  Dashed where approximately located; dotted where concealed. Ball and bar on downthrown side of fault.
- A — A' — Line of geologic section shown on plate 2

Base from U.S. Geological Survey
10,000-foot grid based on Nevada coordinate system, central zone

APPROXIMATE MEAN DECLINATION, 1973

SCALE 1:48,000
1 ½ 0 1 2 3 MILES
1 .5 0 1 2 3 KILOMETERS
CONTOUR INTERVAL 20 AND 40 FEET
DATUM IS MEAN SEA LEVEL



INDEX SHOWING QUADRANGLE LOCATIONS

MAP LOCATION

Hydrology by R. K. Blankennagel and J. E. Weir, Jr., 1970. Structural geology modified from Orkild, Sargent, and Snyder (1969)

WATER-LEVEL CONTOUR MAP SHOWING FAULTS AND CALDERA BOUNDARIES, EASTERN PAHUTE MESA, NEVADA TEST SITE, NYE COUNTY, NEVADA

* U.S. GOVERNMENT PRINTING OFFICE: 1973—515-659/22