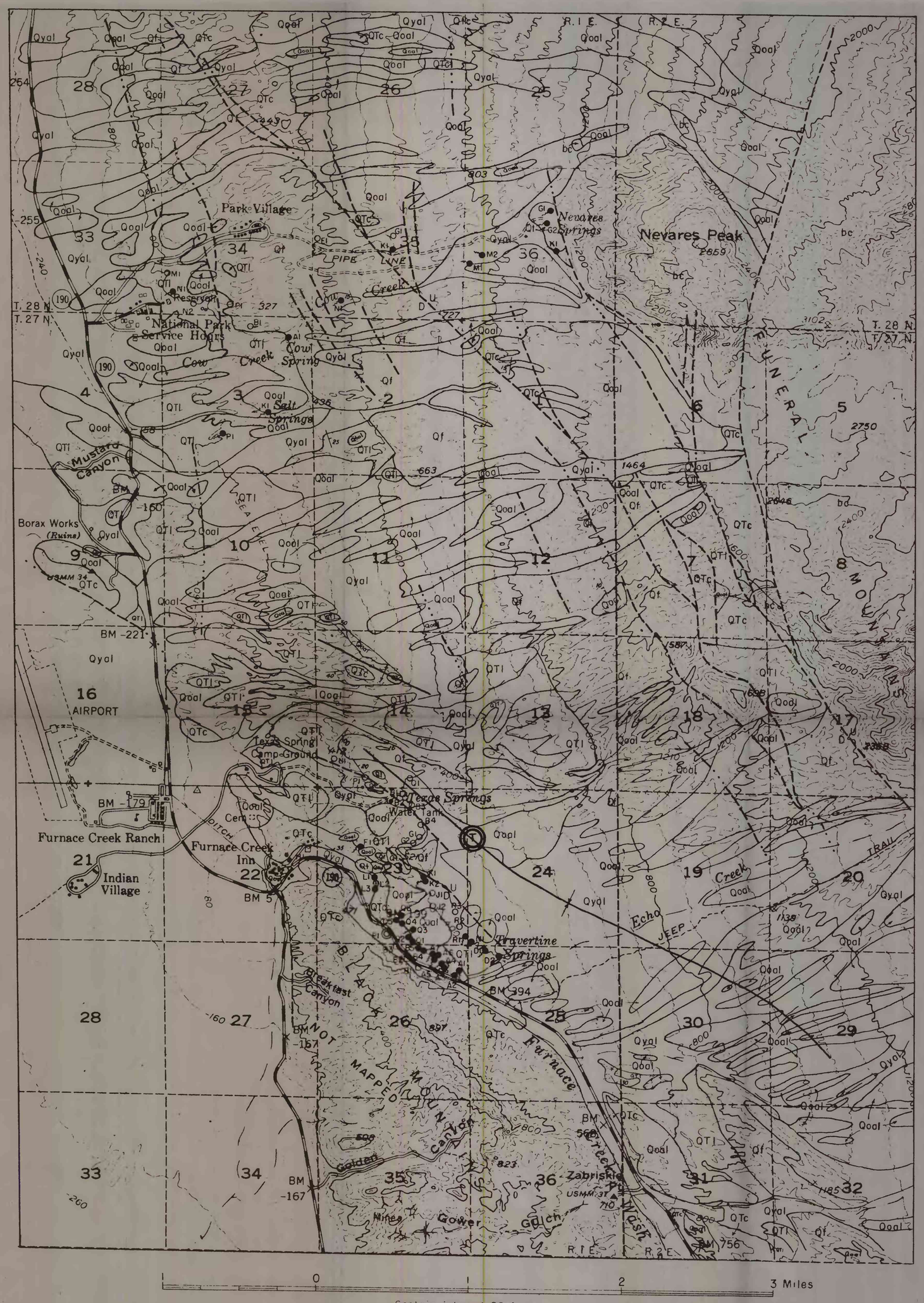
U. S. GEOLOGICAL SURVEY

60-89



0 1 2 3 Miles

Contour interval 80 feet
Datum is mean sea level (1929 adj.)

EXPLANATION

QUATERNARY

Recent

Qyal

Younger alluvium

Alluvial-fan and wash deposits. Mainly well-rounded cobbles and pebbles derived in large part from the older alluvium. The surface materials lack desert varnish

Pleistocene and Recent

Qt

Travertine

Calcium carbonate precipitated from ground water at the sites of existing and former springs

Pleistocene

Qoal

Older alluvium

Dissected alluvial-fan deposits. Mainly boulders, cobbles, and pebbles and interstitial sand and silt, derived from rocks of the basement complex. Moderately cemented and where undissected the surface materials are covered with desert varnish

Qf

Fanglomerate

Dissected, deformed, and cemented alluvial-fan deposits. The material ranges in size from boulders to silt derived from rocks of the basement complex. Angular, poorly sorted, and generally well cemented with travertine and veins of onyx

TERTIARY

QTl

Lacustrine deposits

Predominantly tuffaceous silt and clay, moderately indurated

Pliocene

QTc

Continental deposits

Conglomerate and mud-flow debris derived from volcanic rocks of the Black Mountains and from rocks of the basement complex. Includes beds of sand and silt. Also includes undifferentiated continental deposits in the northern and eastern map area

PRE-TERTIARY

bc

Basement complex

Undifferentiated rocks of the Funeral Mountains, predominantly dolomite and quartzite of Cambrian age

U D
Fault

Dashed where inferred, dotted where concealed. Upthrown and downthrown sides indicated where known

Axis of syncline

Axis of anticline

Strike and dip of bed

Test well

Discharge Points

P1 Well

B1 Tunnel, buried tile, or excavation

R1 Spring, flowing

K1 Seep, flow too small to measure

R2 Phreatophyte area

Letter after discharge point indicates position in section thus:

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

MAP OF THE FURNACE CREEK WASH AREA, DEATH VALLEY NATIONAL MONUMENT, INYO COUNTY, CALIFORNIA
SHOWING RECONNAISSANCE GEOLOGY AND LOCATIONS OF POINTS OF GROUND-WATER DISCHARGE

Base from parts of the Furnace Creek and Chloride Cliff topographic quadrangle maps (1:62,500 scale)

Geology after unpublished mapping of C. B. Hunt by M. A. Pistrang, 1957