UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 646-C
PLATE 2

EXPLANATION

POST-FRANCISCAN SEDIMENTARY AND VOLCANIC ROCKS

Pleistocene and Holocene	Qs	Surficial deposits	QUATERNARY
Pleistocene and Holocene	Ql	Landslide deposits	QUATERNARY
Pliocene and Pleistocene	QT	Paso Robles and Tulare Formations *Mainly valley deposits*	TERTIARY AND QUATERNARY
Miocene and Pliocene	Tp	Sedimentary rocks	TERTIARY
Miocene	Tm	Monterey Shale	TERTIARY
Miocene	Ts	Sedimentary rocks	TERTIARY
Oligocene	Tv	Volcanic rocks	TERTIARY
Cretaceous and Eocene	TK	Miogeosynclinal rocks	CRETACEOUS AND TERTIARY
	gr	Plutonic and metamorphic rocks	CRETACEOUS AND OLDER
	f	Franciscan rocks	JURASSIC AND CRETACEOUS
	um	Ultramafic rocks *Largely serpentinite*	JURASSIC AND CRETACEOUS

Contact
Dashed where approximately located; short dashed where gradational or inferred; dotted where concealed

Fault
Dashed where approximately located; short dashed where inferred; dotted where concealed. Arrows indicate relative horizontal movement

Thrust fault
Dashed where approximately located; dotted where concealed. Sawteeth on upper plate

Anticline
Showing crestline and direction of plunge. Dashed where approximately located

Syncline
Showing troughline and direction of plunge. Dashed where approximately located

200
Aeromagnetic contours
Showing total intensity magnetic field of the earth, in gammas, relative to arbitrary datum. Hachures indicate closed areas of lower magnetic intensity. Contour interval 20 gammas
Regional magnetic gradient of 9 gammas per mile in the direction N. 16° E. has been removed from the original data.

Flight path
Showing location and spacing of data. Flight elevation is 6,500 feet above sea level

30
Drill hole or exploratory well
Number refers to table 3

Base from U.S. Geological Survey
Parkfield, Shandon, and Orchard Peak 1:62,500, 1961;
Garza Peak, Kettleman Plain and Pyramid Hills
1:24,000, 1953; Tent Hills 1:24,000, 1942

Geology compiled by T. W. Dibblee, Jr., 1968–69
Drill hole data compiled by H. C. Wagner

SCALE 1:62 500
1 ½ 0 1 2 3 4 MILES
1 .5 0 1 2 3 4 KILOMETERS

CONTOUR INTERVALS 25, 40 AND 80 FEET
DASHED LINES REPRESENT 5-FOOT CONTOURS
DOTTED LINES REPRESENT 20 AND 40-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

APPROXIMATE MEAN DECLINATION, 1972

See plate 4 for cross sections

AEROMAGNETIC AND GENERALIZED GEOLOGIC MAP ALONG THE SAN ANDREAS FAULT NEAR CHOLAME, CALIFORNIA