UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

SAN ARDO QUADRANGLE
CALIFORNIA
15 MINUTE SERIES (TOPOGRAPHIC)

SW OF SAN ANDREAS FAULT

Qr	River sand and gravel	Holocene	QUATERNARY
Qa	Alluvium		
Qls	Landslide rubble		
Qos	Old dune sand	Pleistocene	
Qoa	Older alluvium		
UNCONFORMITY			
QTp · QTg	Paso Robles Form. QTp, pebble gravel and sand QTg, clay and pebble gravel		
UNCONFORMITY			
Tus	Unnamed marine ss.	Pliocene	TERTIARY
Tpo / Tpi / Tps	Pancho Rico Fm. (marine) Tpo, diatomaceous mudstone Tps, sandst. & siltst. Tpi, siltstone		
Tmi / Tm	Monterey Shale Tmi, siltstone, locally sandy Tm, siliceous shale (base not exposed)	Miocene	
UNCONFORMITY			
qd	Biotite quartz diorite		MESOZOIC

NE OF SAN ANDREAS FAULT

Qr	River sand	Holocene	QUATERNARY
Qls	Landslide rubble		
Te	Etchegoin Form. (marine sandstone and siltstone)	Pliocene	TERTIARY
Tr	Reef Ridge clay shale		
Tm	Monterey Shale (McLure Shale Member)	Miocene	
Tt	Temblor Sandstone		
UNCONFORMITY			
Kgf	Gravelly Flat Form. (of Rose & Colburn, 1963)	Lower	JURASSIC AND CRETACEOUS
sp	Serpentine		
f / fg / fc	Franciscan Rocks f, mixed rocks, mostly claystone & graywacke fg, greenstone fc, chert		

Contact
Dashed where gradational or approximately located

U / D — Fault
Dashed where doubtful
Dotted where concealed
U, Upthrown side
D, Downthrown side
Arrows indicate horizontal movement

Anticline — Syncline
Axis of fold, showing direction of plunge

Horizontal
Inclined
Vertical
Overturned
Strike and dip of strata

Abandoned well drilled for oil or gas

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U.S. Route — State Route

Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and USCE
Topography by planetable surveys 1940–41
Culture revised from aerial photographs taken 1949
Field check 1956
Polyconic projection. 1927 North American datum
10,000-foot grid based on California coordinate system, zone 4
1000-meter Universal Transverse Mercator grid ticks, zone 10, shown in blue
Dashed land lines indicate approximate locations

Traced by Shirley Euley
legend by G.J. Edmonston
1971

Geology mapped by
T. W. Dibblee Jr
1967, 1968

MAPPED BY T. W. DIBBLEE JR.

SCALE 1:62500

APPROXIMATE MEAN DECLINATION, 1956

QUADRANGLE LOCATION

SAN ARDO, CALIF.
N3600—W12045/15
1956

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

GEOLOGIC MAP OF THE SAN ARDO QUADRANGLE, CALIFORNIA

THIS MAP HAS NOT BEEN EDITED OR REVIEWED FOR CONFORMITY WITH U.S. GEOLOGICAL SURVEY STANDARDS