



EXPLANATION
Stratigraphic units shown only in structure section

OTs	Sand and shale, undifferentiated
Tc	Chaac Formation
Tsm	Santa Margarita Sandstone
Tf	Fruitvale Shale of Miller and Bloom (1937)
Tf1	Tf1, upper shale member
Tf2	Tf1, lower shale member
Tr	Round Mountain Silt of Diepenbrock (1933)
Tj	Freeman-Jewett silt of Ferguson (1943)
Tv	Vedder sand of Diepenbrock (1933)
Tt	Tumey Shale of Atwill (1935)
Tu	Eocene rocks, undifferentiated
pTr	Igneous and metamorphic rocks

Approximate eastern limits of marine vedder sand

Fault
Dashed where approximately located. U, upthrown side; D, downthrown side

Reverse fault
Dashed where approximately located. R, upthrown side

Thrust fault
Dashed where approximately located. T, upper plate

Structure contours
Drawn on top of vedder sand. Dashed where contour less accurate. Contour interval 500 or 400 feet; supplementary 100-foot contours dotted. Datum is mean sea level

STRAND
Oil field producing wholly or in part from vedder sand. Individual wells producing from vedder sand not shown on map

Unsuccessful test of vedder sand; may be productive from other formations

Significant deep well which did not reach vedder sand. Figure indicates depth in feet below sea level at bottom of hole

Well data as of July 1, 1963

Base map enlarged from U.S. Geological Survey map of Central Valley, California, south area, 1958 edition, some contour nodes northeast of Bakersfield in 1964

STRUCTURE CONTOURS ON TOP OF THE VEDDER SAND, SOUTHEASTERN SAN JOAQUIN VALLEY, CALIFORNIA

By
Everett E. Richardson

SCALE 1:25,000

1965