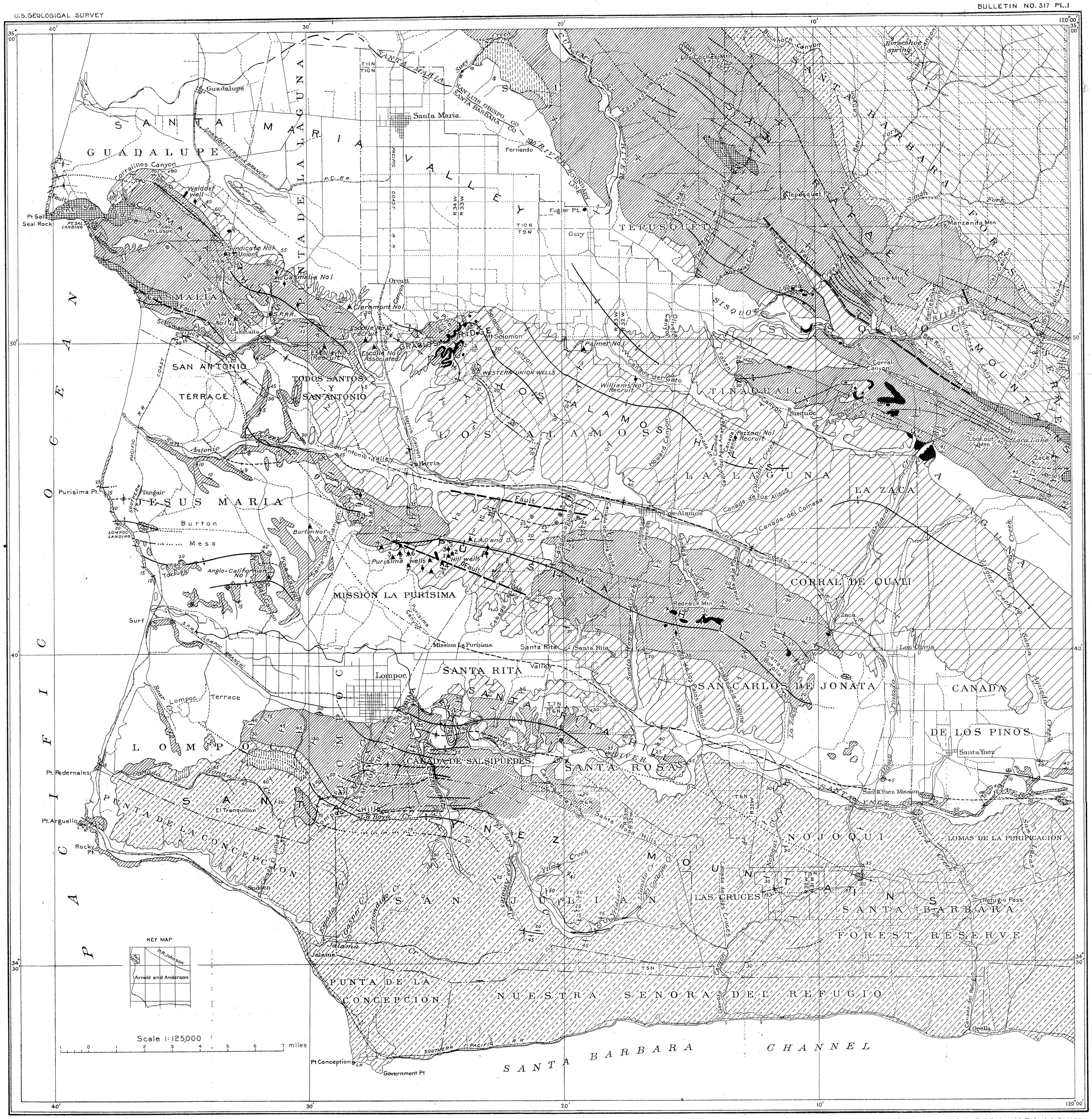

GEOLOGIC AND STRUCTURAL MAP OF THE LOMPOC AND GUADALUPE QUADRANGLES, CALIFORNIA EMBRACING THE GREATER PART OF THE SANTA MARIA OIL DISTRICT

(See Plate II for details of structure and location of wells of Graciosa Ridge)

Geology by Ralph Arnold, Robert Anderson, H.R. Johnson, and H.W. Fairbanks.

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Terrace deposits and alluvium — Fernando (upper Miocene, Pliocene, and lower Pleistocene) — Monterey (middle Miocene) — Vaqueros (lower Miocene) Includes some Monterey and much Eocene in Santa Ynez Mountains — Sespe (Eocene) — Pre-Monterey (Cretaceous or Eocene) — Knoxville (lower Cretaceous) — Franciscan (Jurassic?) — Asphalt — Igneous

Contact lines — " " where doubtful — Anticlines — " where doubtful — " plunging — Synclines — " where doubtful — " plunging — Overturned anticline — " syncline — Fault — Dip — " horizontal — " at 90° — Oil wells — " " abandoned