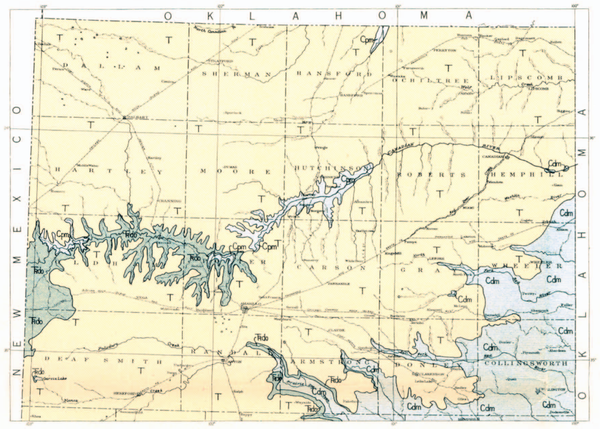

LEGEND

Quaternary

Q	Qh	Qs

Includes Recent and Quaternary undivided (Q) of west Texas and the Gulf Coast; Houston group (Qh) of the Gulf Coast; and Seymour formation (Qs) of north-central Texas.

Pliocene, Miocene, and Oligocene

T	Tci	Tf	Tg

Includes Cenozoic undivided (T) of the High Plains; Citronelle (Tci) (Pliocene), Fleming (Tf) (Miocene-Pliocene), and Gueydan (Tg) (Oligocene) groups.

Eocene

Tj	Tcl	Tw	Tm

Includes Jackson (Tj), Claiborne (Tcl), Wilcox (Tw), and Midway (Tm) groups.

Gulf series of the Cretaceous

Kg	Kna	Kta	Kau	Kef	Kwb

Includes Gulf series undifferentiated (Kg); and Navarro (Kna), Taylor (Kta), Austin (Kau), Eagle Ford (Kef), and Woodbine (Kwb) groups.

Comanche series of the Cretaceous

Kc	Kw	Kf	Kt

Includes Comanche series undifferentiated (Kc); and Washita (Kw), Fredericksburg (Kf), and Trinity (Kt) groups.

Jurassic and Triassic

Jma	T do

Includes Malone formation (Jma) of the Malone Mountains (Jurassic), and Dockum group (T do) of the High Plains and Pecos Valley regions (Triassic).

Permian

Cpm	Cdm	Ccf	Cwi	Cco	Ccr	Cdb	Cwl

Includes undifferentiated Permian (Cpm) of the Diablo Plateau, the Franklin Mountains, Presidio County, and in the Panhandle region; Double Mountain (Cdm), Clear Fork (Ccf), and Wichita (Cwi) groups of north-central Texas; Coleman Junction limestone (Cco) of the Wichita group; Rustler and Castile formations (Ccr), Bissett, Capitan, Word, and Delaware Mountain formations (Cdb), and Leonard, Hess, and Wolfcamp formations (Cwl) of the Guadalupe, Delaware, and Glass Mountains.

Pennsylvanian and Mississippian

Cpn	Ccs	Ccn	Cst	Csc	Cf	Ch

Includes undifferentiated Pennsylvanian (Cpn) of the Diablo Plateau and the Franklin Mountains; Cisco (Ccs), Canyon (Ccn), and Strawn (Cst) groups (Pennsylvanian) of north-central Texas; Saddle Creek limestone (Csc) of the Cisco group; Smithwick and Marble Falls (Pennsylvanian) and Barnett and Chappel (Mississippian) formations (Cf) of the Llano region, and Helms group (Ch) (Mississippian) of the Diablo region.

Devonian, Silurian, Ordovician, Cambrian, and Paleozoic undivided

Pal	Dpe	Sfu	Oem	Coe	Ch	Cb	Cvh

Includes undifferentiated Paleozoic (Pal) (Pennsylvanian, Devonian, Ordovician, and Cambrian) of the Marathon and Solitario regions; Percha shale (Dpe) (Devonian) of the Franklin Mountains; Fusselman limestone (Sfu) (Silurian) of the El Paso region; Montoya and El Paso formations (Oem) (Ordovician) of the El Paso and Van Horn regions; Ellenburger limestone (COe) (Ordovician and Cambrian) of the Llano region; Signal Mountain, Fort Sill, Wilberns, Cap Mountain, and Hickory formations (Ch) (Cambrian) of the Llano region of central Texas; Bliss sandstone (Cb) (Cambrian) of the El Paso region and Van Horn sandstone (Cvh) (Cambrian) of the Van Horn region.

Pre-Cambrian

Avp	Ami	Acm	Ala

Includes Packsaddle schist and Valley Spring gneiss (Avp) of the Llano region; Millican (Ami) and Carrizo Mountain (Acm) formations of the Van Horn region; and Lanoria quartzite (Ala) of the El Paso region.

Cenozoic, Cretaceous, and undifferentiated igneous

Ig	Ik

Includes volcanic and intrusive rocks in Trans-Pecos Texas (Ig), and basalt and serpentine in the Gulf Coastal Plain (Ik).

Pre-Paleozoic igneous

Ipl	Ipr

Includes granites and other intrusives of the Llano uplift (Ipl), and the pre-Cambrian igneous of Trans-Pecos Texas including rhyolite porphyry (Ipr).

THE UNIVERSITY OF TEXAS
BUREAU OF ECONOMIC GEOLOGY
E. H. SELLARDS, DIRECTOR

GEOLOGIC MAP
OF
TEXAS
1933

PART 5 OF VOLUME I OF THE GEOLOGY OF TEXAS

BY
E. H. SELLARDS, W. S. ADKINS, AND F. B. PLUMMER

The base and the geologic mapping for this map are adapted from Geologic Map of Texas, preliminary edition, issued by the United States Geological Survey, 1932; compiled between the years 1924 and 1932 by the United States Geological Survey, in cooperation with the Bureau of Economic Geology of The University of Texas, the geologists of Texas, and the oil companies of Texas, from all available published material and from unpublished data furnished by geologists of the United States Geological Survey, the Bureau of Economic Geology, and by consulting geologists.

SCALE: 1:2,000,000—1 inch = 31.56 miles

QAd8742 Lith. A. Hoen & Co., Inc.