THE UNIVERSITY OF TEXAS AT AUSTIN
BUREAU OF ECONOMIC GEOLOGY
W. L. FISHER, DIRECTOR

REGIONAL STRUCTURAL CROSS SECTIONS, MID-PERMIAN TO QUATERNARY STRATA, TEXAS PANHANDLE AND EASTERN NEW MEXICO

B West — B′ East

HARTLEY CO. | DALLAM CO. | HARTLEY CO. | MOORE CO. | HUTCHINSON CO. | ROBERTS CO. | HEMPHILL CO.

I–I′ J–J′ J–J′ K–K′ L–L′

BURNETT #1 Bennett (3) | PAN AMERICAN #1 Wharton Ranch (4) | SKELLY #1 Noble (43) | PHILLIPS #1–L Morris (10) | TEXAS CO. #1 Lacy Meek (17) | DIAMOND SHAMROCK #1 Robertson Storage (13) | PETRO EXPL., INC. #1 M. Cotton (2) | Mc CULLOCH OIL #1–B Cunningham (1) | EDWIN L. COX #1 Hart (7) | PHILLIPS PETROLEUM CO. #1 McDonough "B" (3) | C.C. LEE #1 J.D. Payne (21) | HUMBLE OIL and REFINING CO. #1 P.A. Flowers (29) | PHILLIPS PETROLEUM CO. #1 McCuddy "A" (20)

Stratigraphic column, Dalhart Basin

ELEVATION meters / feet

QUATERNARY & TERTIARY		Blackwater Draw and Ogallala Formations	
TRIASSIC		Dockum Group	
UPPER PERMIAN (Guadalupian and Ochoan)		Dewey Lake Fm.	
		Alibates Fm.	
		Salado Formation and Artesia Group	
		Blaine Formation	
MIDDLE PERMIAN (Leonardian)		Glorieta Sandstone	
		Clear Fork Group, undifferentiated	

HIGH PLAINS — ROLLING PLAINS — CANADIAN RIVER — CANADIAN RIVER

Stratigraphic column, Anadarko Basin

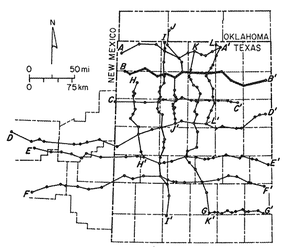
QUATERNARY & TERTIARY		Blackwater Dr. and Ogallala Fms.
UPPER PERMIAN (Guadalupian and Ochoan)		Cloud Chief Formation and Whitehorse Group
		Blaine Formation
		Flowerpot Formation
MIDDLE PERMIAN (Leonardian)		Glorieta Formation
		Clear Fork Group, undifferentiated

EXPLANATION

- Tertiary and Quaternary undifferentiated
- Triassic undifferentiated
- Mudstone
- Salt; salt with mud
- Anhydrite
- Dolomite
- Unconformity
- Salt dissolution
- Sandstone
- Area where salt dissolution and/or facies change occurs
- J–J′ Cross-section intersection

All logs are gamma-ray logs

SCALE
0 10 20 30 km
0 5 10 15 20 mi
Vertical exaggeration = 106 x
Datum: sea level



by Douglas A. McGookey, Thomas C. Gustavson, and Ann D. Hoadley

DALHART BASIN — CIMARRON ARCH — ANADARKO BASIN

CROSS SECTION B-B′

1988

QAe3822(b)