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**BUREAU OF ECONOMIC GEOLOGY
THE UNIVERSITY OF TEXAS
AUSTIN 12, TEXAS**

JOHN T. LONSDALE, DIRECTOR

GEOLOGIC QUADRANGLE MAP NO. 19

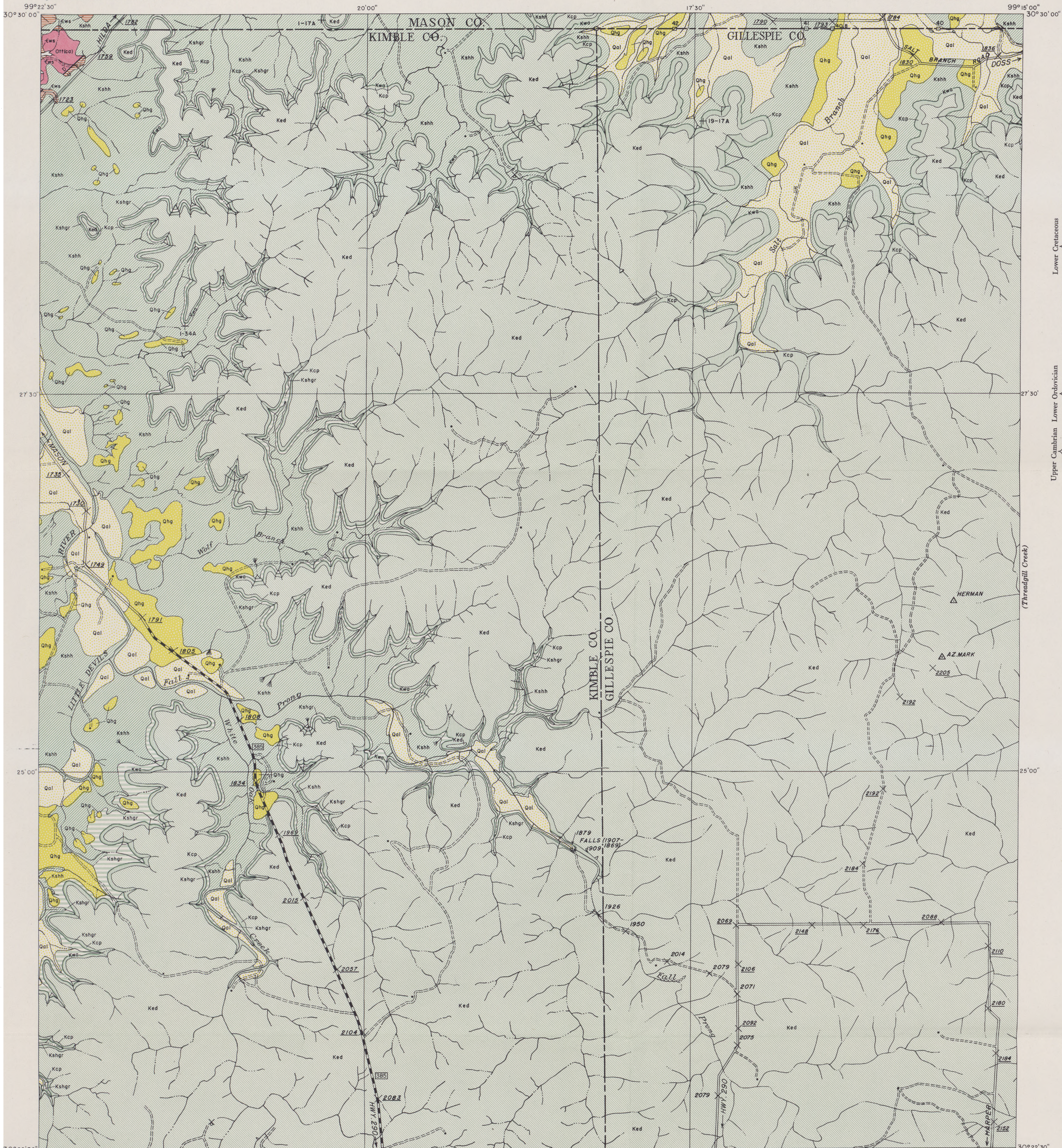
**Fall Prong Quadrangle
Kimble, Gillespie, and Mason Counties, Texas**

By

VIRGIL E. BARNES



May 1956



EXPLANATION

SEDIMENTARY ROCKS

QUATERNARY

- Qal Alluvium (gravel, sand, and silt along stream bottoms)
- Qhg High gravel (gravel and sand in terraces along streams and as colluvial deposits in part changed to caliche on slopes)

UNCONFORMITY

CRETACEOUS

- Ked Edwards limestone (well bedded, in part cherty, in part magnesian; varies widely in composition, hardness, and thickness of beds)
- Kcp Comanche Peak limestone (marl and marly limestone ranging from nodular at base to well bedded at top)
- Kwa Walnut clay (calcareous clay grading upward into the marl of the overlying member; contains a profusion of *Exogyra texana*)

Lower Cretaceous

- Kshgr Glen Rose limestone member (alternating beds of limestone, dolomite, and clay, some of which are arenaceous)
- Ksh Hensell sand member (sand, silt, and clay, predominantly red and gray)

UNCONFORMITY

ORDOVICIAN

- Otlc Threadgill member (caliche facies, thinly to thickly bedded)

DISCONFORMITY

CAMBRIAN

- Cws San Saba limestone member (granular, thinly to thickly bedded, sparingly glauconitic, in part sandy, predominantly gray)

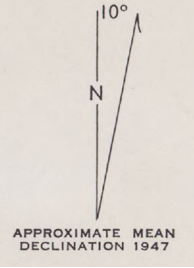
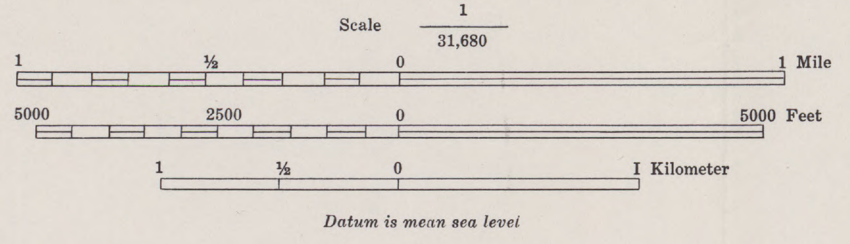
Other symbols:

- Known fault (U, upthrown side; D, downthrown side)
- Observed and inferred contact (+ 1-34 A)
- Locality of fossil collection
- Tank (earth-dammed pond for water storage)
- Windmill
- Alidade elevation of gravity station (x 2015)
- Alidade elevation (x 2079)
- Line of described section

Base from U. S. Department of Agriculture, Agricultural Adjustment Administration, aerial photographs flown by Kargl Aerial Surveys, Ltd., 1938.

KIMBLE CO.	MASON CO.					LLANO CO.					
	FALL PRONG 19	THREADDLE CREEK 20	SQUAW CREEK 1	HILLTOP 2	CHARAPPLE CREEK 3	WILLOW CREEK 4	BLOWOUT 5				
GILLESPIE COUNTY											
WENDE 15	HARPER 16	SPRING CREEK 6	LIVE OAK CREEK 7	PALD ALTO CREEK 8	GOLD 9	NORTH GRAY CREEK 10					
BLANCO CO.											
KERR CO.											
KENDALL CO.											

INDEX TO QUADRANGLE MAPS, GILLESPIE COUNTY



Geology by Virgil E. Barnes 1939-1949
Assisted by T. R. Walker and Louis Dixon
Cartography by J. A. Ayres and J. W. Macon

GEOLOGIC MAP OF THE FALL PRONG QUADRANGLE, KIMBLE, GILLESPIE, AND MASON COUNTIES, TEXAS
1956