



EXPLANATION

Piedmont and Recent	Qal	Alluvium Gravel, sand, silt, and clay. Yields small to moderate supplies of water	QUATERNARY
	Ka	Austin chalk Chalk, marl, and limestone. Yields small quantities of water	
Gulf series	Kef	Eagle Ford shale Shale and thin beds of sandstone and limestone. Yields small quantities of water	
	Kwb	Woodbine formation Chiefly sand and clay. Principal water-bearing formation in Grayson County. Yields large supplies of water for municipal, industrial, irrigation, and domestic use	
Comanche series	Kwf	Washita and Fredericksburg groups, undifferentiated Chiefly limestone, marl, and clay; some sand. Sand yields small quantities of water to domestic wells	
	Kt	Trinity group, undifferentiated Sand and clay. Yields large supplies of water for municipal, industrial, and domestic use	

CONTACT
Dashed where approximately located

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

AXIS OF ANTICLINE, SHOWING BEARING AND PLUNGE

AXIS OF SYNCLINE, SHOWING BEARING AND PLUNGE
Dashed where approximately located

WELL AND SPRING SYMBOLS:

- Oil test
- Well with hand pump, bucket or bailer
- Flowing well
- Unused well
- Well with windmill or small power pump
- Well with pumping plant, 5-horsepower or larger
- Spring
- Well number

Line above indicates chemical analysis included in report

Base compiled from general highway map of the Texas Highway Department and U. S. Department of Agriculture Production and Marketing Administration aerial photographs, 1958

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—61247
Geology by E. T. Baker, Jr., U. S. Geological Survey
Geology of Woodbine formation and alluvium modified from Bergquist, 1949

GEOLOGIC MAP SHOWING LOCATION OF WELLS AND SPRINGS, GRAYSON COUNTY, TEXAS

