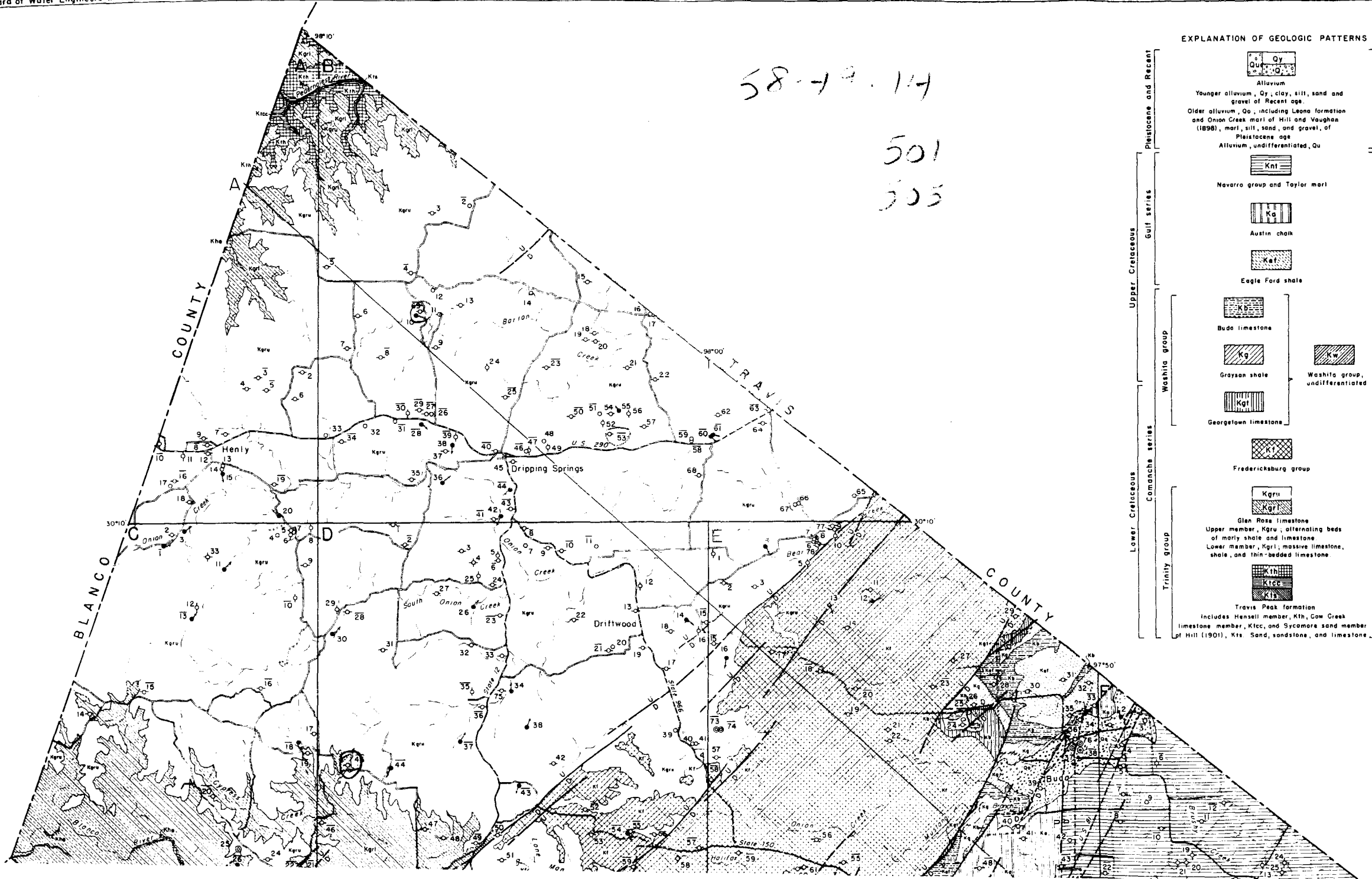
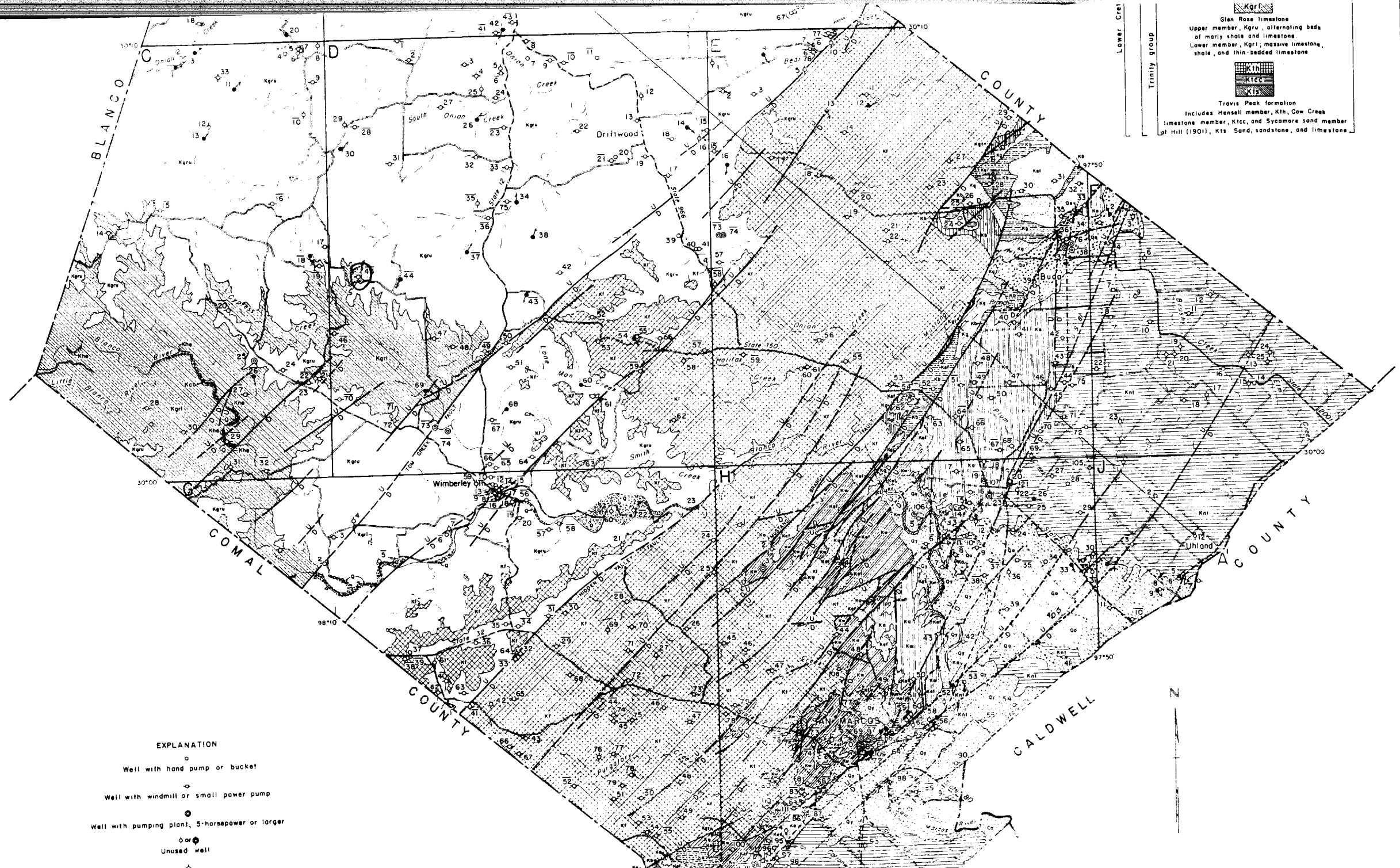


58-79.14  
501  
505



EXPLANATION OF GEOLOGIC PATTERNS

Quaternary	 Alluvium Younger alluvium, Qy, clay, silt, sand and gravel of Recent age. Older alluvium, Qo, including Leona formation and Onion Creek marl of Hill and Vaughan (1898), marl, silt, sand, and gravel, of Pleistocene age. Alluvium, undifferentiated, Qu	QUATERNARY
	 Navarro group and Taylor marl	
Upper Cretaceous	 Austin chalk	UPPER CRETACEOUS
	 Eagle Ford shale	
	 Washita group	
Lower Cretaceous	 Grayson shale	LOWER CRETACEOUS
	 Georgetown limestone	
	 Fredericksburg group	
Trinity group	 Glen Rose limestone Upper member, Kgru, alternating beds of marly shale and limestone. Lower member, Kgrl; massive limestone, shale, and thin-bedded limestone.	TRINITY GROUP
	 Travis Peak formation Includes Hensell member, Kth, Cow Creek limestone member, Ktcc, and Sycamore sand member of Hill (1901), Kts. Sand, sandstone, and limestone.	



**EXPLANATION**

- Well with hand pump or bucket
- ◇ Well with windmill or small power pump
- Well with pumping plant, 5-horsepower or larger
- ⊗ Unused well

**Trinity group**

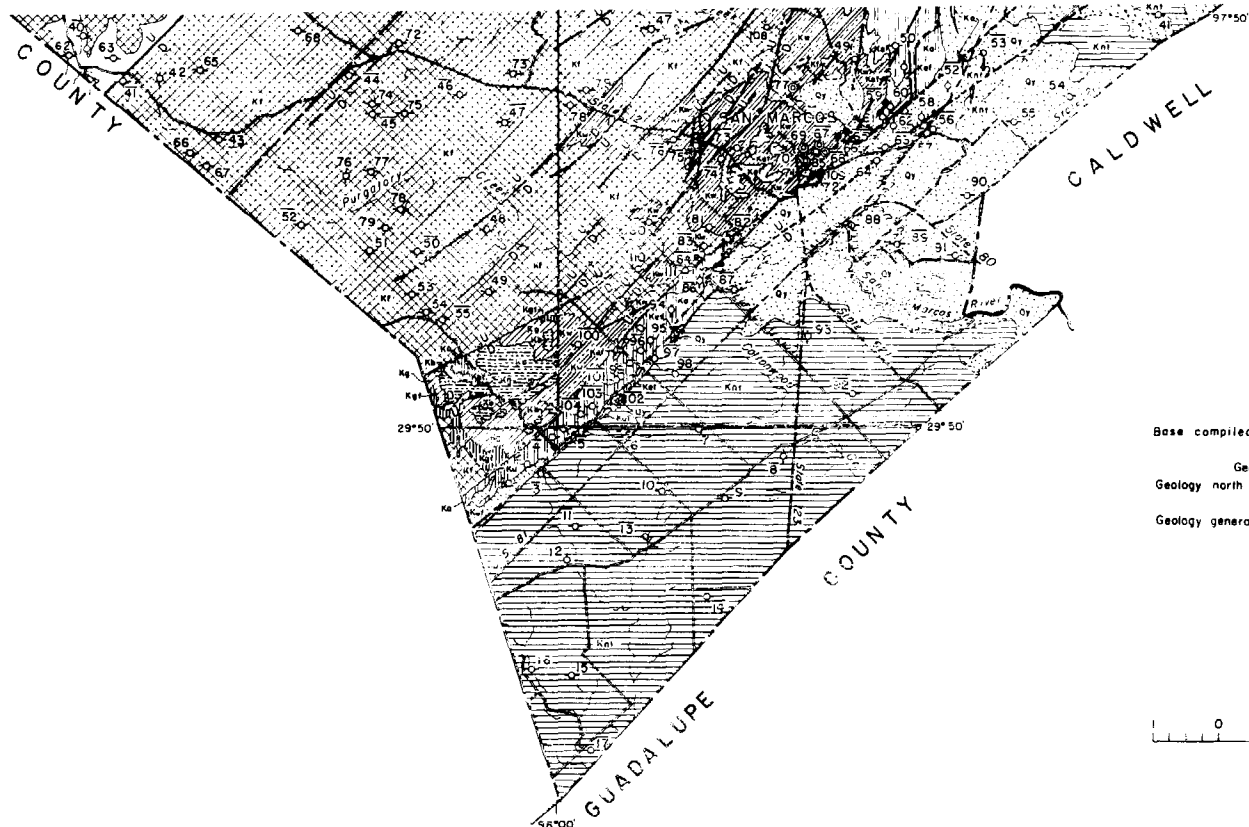
Lower Cret.

Glen Rose limestone  
 Upper member, Kgru, alternating beds of marly shale and limestone.  
 Lower member, Kgrl; massive limestone, shale, and thin-bedded limestone

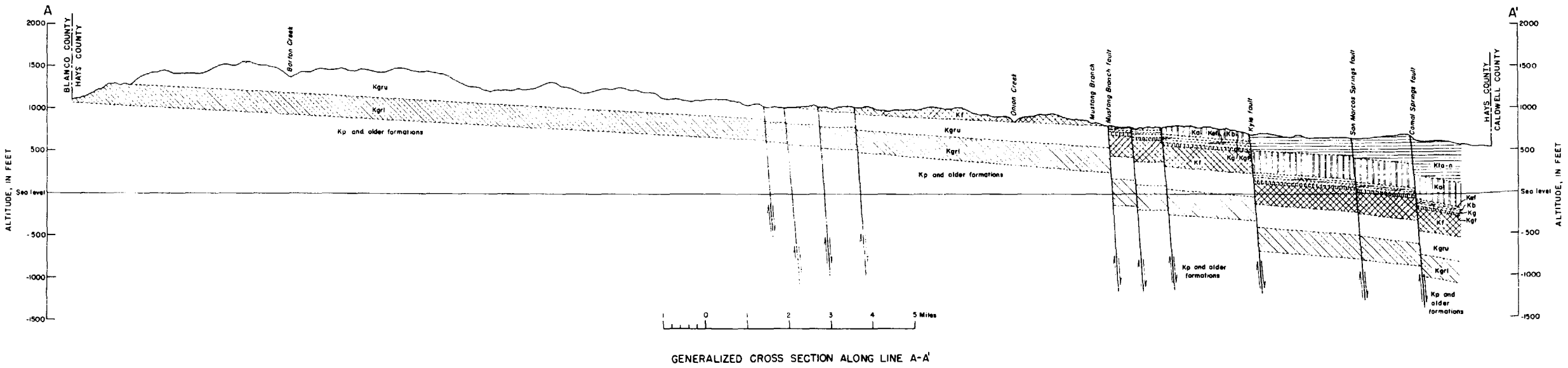
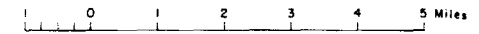
Travis Peak formation  
 Includes Mensell member, Kth, Cow Creek limestone member, Klcc, and Sycamore sand member of Hill (1901), Kts Sand, sandstone, and limestone

- EXPLANATION
- Well with hand pump or bucket
  - ◊ Well with windmill or small power pump
  - Well with pumping plant, 5-horsepower or larger
  - ◊ or ○ Unused well
  - ◇ Oil test
  - ♣ Spring
  - Flowing well
  - 59 Well number; line above indicates chemical analysis shown in table

- Contact  
 Dashed where inferred.  
 U Fault  
 D Fault  
 Dashed where inferred  
 dotted where concealed by alluvium.  
 U, upthrown side; D, downthrown side.



Base compiled from general highway map, aerial photos, and field notes 1954.  
 Geology by K. J. DeCook, 1954-56.  
 Geology north of 30°00' and east of 98°00' after Hill and Vaughan, (1902)  
 Geology generalized in H grid, see plate 2 for detail



GEOLOGIC MAP SHOWING LOCATION OF WELLS AND SPRINGS IN HAYS COUNTY