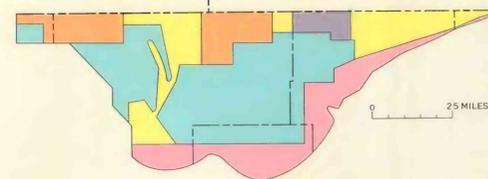
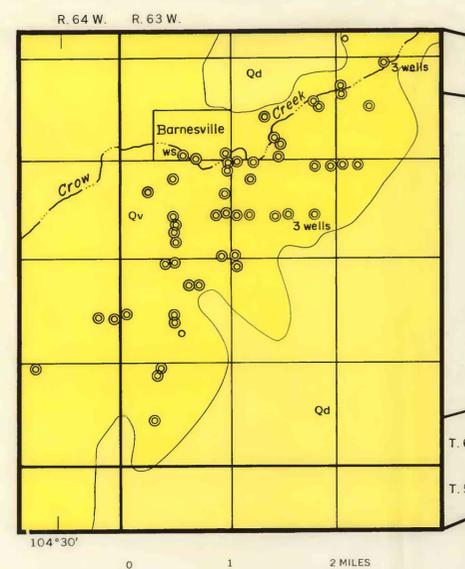


Base from U.S. Geological Survey 250,000 series:
Greeley and Sterling, 1954



Legend for sources of geologic data:

- Yellow: Weist (1964)
- Pink: Bjorklund and Brown (1957)
- Light blue: Burbank and others, (1935)
- Orange: N.M. Denson (written commun., 1962)
- Purple: Galbreath (1963)



EXPLANATION

Geologic Period	Formation/Unit	Description	Symbol
QUATERNARY	Qd	Dune sand Not known to yield water to wells. Acts as infiltration area	Yellow box
	Qv	Valley-fill and terrace deposits Clay, silt, sand, and gravel. Yield large quantities of water to irrigation wells	Yellow box with 'v'
	Qt		Yellow box with 't'
	TERTIARY	To	Ogallala Formation Clay, silt, sand, and gravel partly cemented by calcium carbonate. Yields small to moderate quantities of water
Ta		Arikaree Formation Fine- to medium-grained sand loosely to moderately cemented. May yield small amounts of water	Orange box
Tw		White River Group Clay and siltstone containing lenses of sandstone and hard channel sandstone. Yields small to moderate quantities of water, and large quantities of water from fractured zones	Light orange box
CRETACEOUS	Kl	Laramie Formation Clay, shale, sandstone, and coal. Yields small to moderate quantities of water	Light green box
	Kf	Fox Hills Sandstone Sandstone and sandy shale. Yields small to moderate quantities of water	Green box
	Kp	Pierre Shale Shale containing lenses of sandstone. Yields small to moderate quantities of water	Dark green box
UNDIFFERENTIATED	Mp	Undifferentiated Mesozoic and Paleozoic rocks Sandstone, limestone, siltstone, and shale. Some units yield small quantities of water	Dark red box
	U	Approximate area overlain by unmapped unconsolidated deposits Clay, silt, sand, and gravel. In places yield large quantities of water	Diagonal hatching

Well Type	Symbol
Domestic or stock	Open circle
Irrigation	Circle with 'i'
Public supply	Circle with 'ps'
Industrial	Circle with 'ind'
Spring	Circle with 's'
Test hole	Circle with 't'
Water sample collected for chemical analysis	Circle with 'ws'

Approximate contact

GEOLOGIC MAP OF A PART OF NORTHEASTERN COLORADO SHOWING LOCATION OF SELECTED WELLS, SPRINGS, AND TEST HOLES