

PRODUCING HORIZONS OF OIL AND GAS FIELDS IN KANSAS (JOPLIN QUADRANGLE)

1993



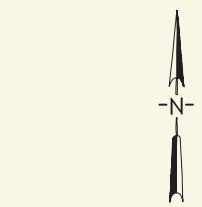
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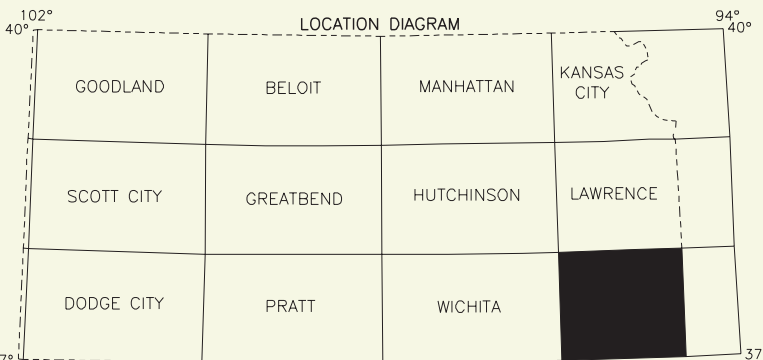
ERA	SYSTEM	STAGE	GROUP	PRODUCING ROCK UNITS	KEY		
MESOZOIC	CRETACEOUS		Colorado	Niobrara	Kcn		
	PERMIAN	GUADALUPIAN			UNDIFFERENTIATED PERMIAN	Pi	
		LEONARDIAN	Nippewalla	Red Cave		Pwc	
			Chase	Herington, Krider, Winfield, Towanda, Ft. Riley		Pwcg	
		WOLF CAMPIAN	Council Grove	Neva, Cottonwood		Pvo	
	PENNSYLVANIAN	VIRGILIAN	Admire	Indian Cave		Pvw	
			Wabounee	Longdon, Tarkio, Willard, White Cloud, Howard, Severy		Pvs	
			Shawnee	Topeka, Elgin, Hoover, Toronto		Pvd	
			Douglas	Ireland, Stainaker		Pvnl	
		MISSOURIAN	Lansing		UNDIFFERENTIATED PENNSYLVANIAN LANSING-MC - Pmk	Pmk	
			Kansas City	Layton, Perry Gas		Pmp	
			Pleasanton	Cleveland, Knobtown, Hepler		Pdm	
			Marmaton	New Albany, Wayside, Bandera, Weiser, Pawnee, Peru, Ft. Scott, Oswego		Pdc	
			Cherokee	Mulky Coal, Prue, Beaver Coal, Squirrel, Cattleman, Bartlesville, Weir-Pittsburg, McLouth, Riverton Coal, Burgess		Pa	
		ATOKAN					
		MORROWAN					
		MISSISSIPPIAN		Basal Pennsylvanian conglomerate, Gorham		UNDIFFERENTIATED MISSISSIPPIAN	Pc
			CHESTERAN				Mc
			MERAMECIAN		Ste. Genevieve, St. Louis, Spargen, Warsaw		Mm
	OSAGIAN					Mo	
	DEVONIAN	KINDERHOOKIAN				MD	
			Misener			Sh	
	SILURIAN	HUNTON					
	ORDOVICIAN			Maquoketa	UNDIFFERENTIATED ORDOVICIAN V-S - Simpson	Om	
			Viola		Ov		
		SIMPSON			Os		
					Oca		
CAMBRIAN		ARBUCKLE					
			Reagan		C		
			Granite Wash				

Names in green denote fields that primarily produce oil.
Names in red denote fields that primarily produce natural gas. Names in purple denote fields that produce significant amounts of both oil and gas.

Official names and producing horizons for individual fields were assigned by the Nomenclature Committee of the Kansas Geological Society. As shown in the above stratigraphic column, producing horizons were consolidated in order to facilitate plotting. Producing horizons for each field are shown, but the amount of color is not related to the relative significance of production or the position within the field.

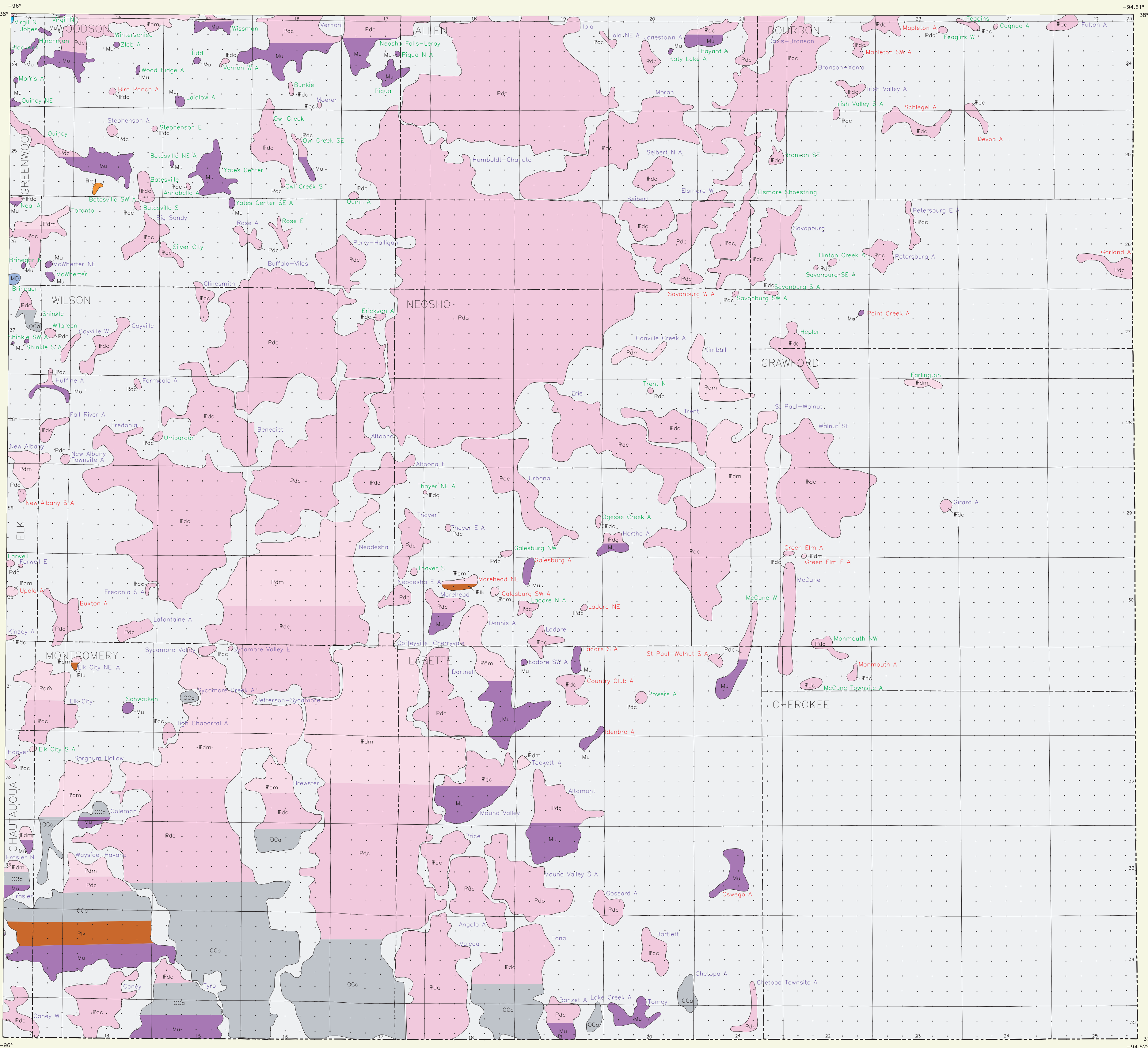


Lambert Conformal Conic Projection
with standard parallels at 33° and 45°
Scale 1:250,000
0 1 2 3 4 5
Kilometers
0 1 2 3 4 5
Miles



This map was produced by computer-aided cartography using the GIMMAP (Geodetic Interactive Management Map Analysis and Production) system developed at the Kansas Geological Survey, revised by Robert J. Sampson.

The Kansas Geological Survey does not guarantee this map to be free from errors or inaccuracies and disclaims any responsibility or liability for interpretations made from the map or decisions based thereon.



Suggested reference to this map:
Carr, T. R., Ross, J. A., and Beene, D. L., 1994, Producing Horizons of Oil and Gas Fields in Kansas: Kansas Geological Survey, Map M-35, scale 1:250,000