


1997

# Composite Section of Cretaceous Rocks in Nebraska

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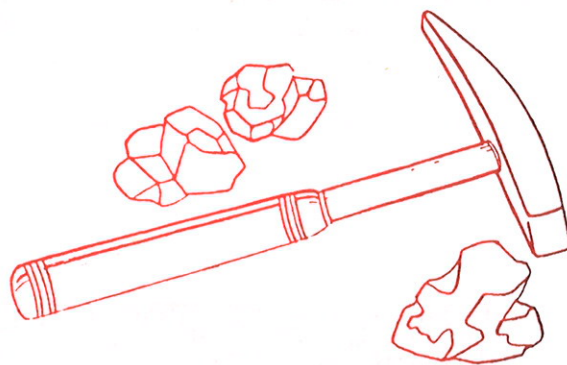
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# NEBRASKA GEONOTES

## *COMPOSITE SECTION OF CRETACEOUS ROCKS IN NEBRASKA*

Raymond R. Burchett



**NEBRASKA GEOLOGICAL SURVEY**

Conservation and Survey Division  
Institute of Agriculture and Natural Resources  
University of Nebraska-Lincoln



May, 1997



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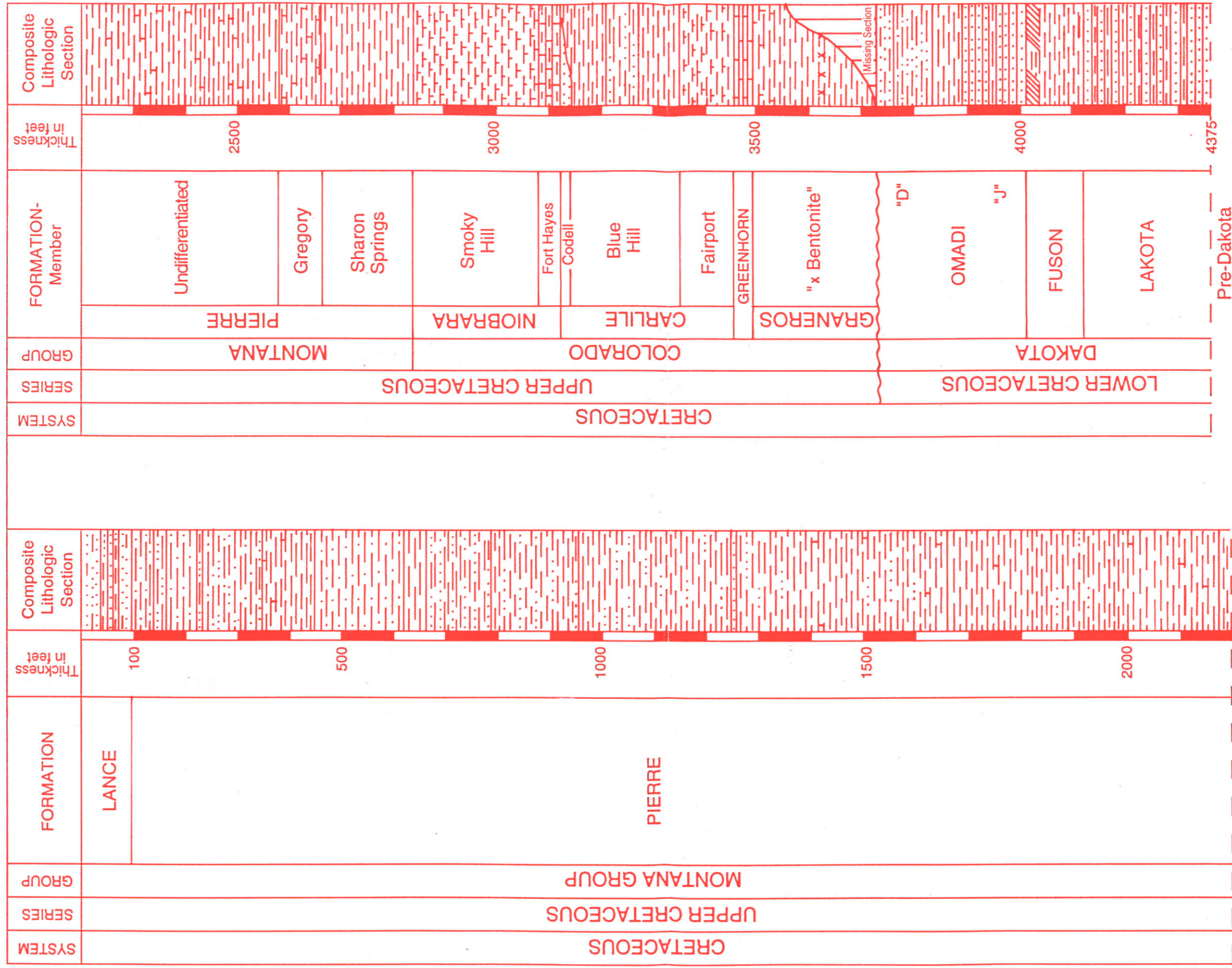
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# COMPOSITE SECTION OF CRETACEOUS ROCKS IN NEBRASKA



 Chalky limestone

 Limestone

 Shaly limestone

 Sand or sandstone

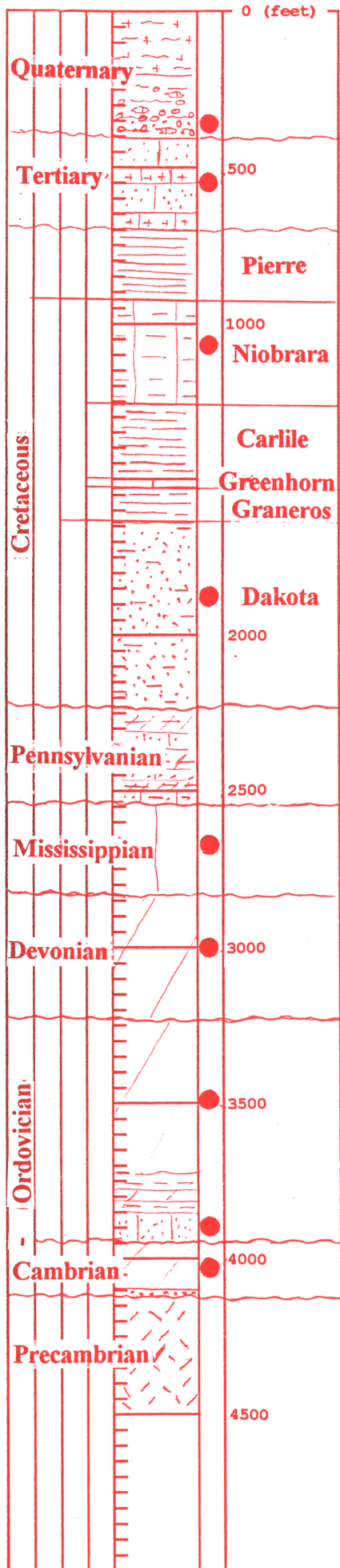
 Green or gray shale

 Red shale

# COMPOSITE SECTION OF ROCKS FOR THE SIOUX CITY 1°x2° QUADRANGLE

## NEBRASKA GEOLOGICAL SURVEY

Location : \_\_\_\_\_  
 \_\_\_\_\_ Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Co. \_\_\_\_\_  
 Company : \_\_\_\_\_ Farm \_\_\_\_\_  
 Elev. : \_\_\_\_\_ TD \_\_\_\_\_  
 Described by : \_\_\_\_\_ Date : \_\_\_\_\_



Bed	Description	Thk. (Thickness)
	Quaternary loess & glacial till	0 - 400'+
	Tertiary Ogallala sandstone & siltstone	0 - 300'
	Cretaceous: Pierre Shale	0 - 225'
	Niobrara chalk	0 - 330'
	Carlile shale	0 - 245'
	Greenhorn limestone	0 - 35'
	Graneros shale	0 - 60'
	Dakota sandstone & shale	250 - 600+
	Jurassic	Absent
	Triassic	Absent
	Permian	Absent
	Pennsylvanian shale & sandstone	0 - 300'
	Mississippian limestone	0 - 300'+
	Devonian dolomite	0 - 400'+
	Silurian	Absent
	Ordovician - (Upper) dolomite	0 - 500'
	Cambrian - Lower Ordovician dolomite, shale, and sandstone	0 - 400'+
	Precambrian quartzite or metamorphic rocks (Depth to Precambrian less than 500' to approx. 3000')	
	Potential water producing zones ●	

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