

**Table 3-2 General Stratigraphic Chart for Northwest Nebraska**

Geologic Period	Series	Formation or Group	Rock Types <sup>1</sup>	Thickness (ft)
Tertiary	Miocene Oligocene/Eocene	Ogallala	SS, Slt	1560*
		Arikaree	SS, Slt	1070*
		White River	SS, Slt, Cly	1450*
Cretaceous	Upper	Pierre	Sh	1500
		Niobrara	Chalk, Ls, Sh	300
		Carlile	Sh	200-250
		Greenhorn	Ls	30
		Graneros	Sh	250-280
		D Sand	SS	5-30
	Lower	D Shale	Sh	60
		G Sand	SS	10-45
		Huntsman	Sh	60-80
		J Sand	SS	10-30
		Skull Creek	Sh	220
		Dakota	SS, Sh	180
Jurassic	Upper	Morrison	Sh, SS	300
		Sundance	SS, Sh, Ls	300
Permian	Guadalupe	Satanka	Ls, Sh, Anhy	450
	Leonard	Upper	Ls, Anhy	150
		Lower	Sh	150
	Wolfcamp	Chase	Anhy	80
		Council Grove	Anhy, Sh	300
		Admire	Dolo, Ls	70
Pennsylvanian	Virgil	Shawnee	Ls	80
	Missouri	Kansas City	Ls, Sh	80
	Des Moines	Marmaton/ Cherokee	Ls, Sh	130
		Atoka	Upper/Lower	Ls, Sh
Mississippian	Lower	Lower	Ls, Sh	30
Pre-Cambrian			Granite	

<sup>1</sup>Rock Type Abbreviations: Anhy: Anhydrate; Cly: claystone; Dolo: Dolomite; Ls: limestone; Sh: shale; Slt: siltstone; SS: sandstone,

\* Maximum thickness based on Swinehart, et. al, 1985.