

Appendix L: Porosity Modeling

Table L-1. Variogram ranges of porosity at each lithology per zone.

Zones	Lithology	Major range (ft)	Minor range (ft)	Vertical range (ft)
Top Marmaton	Conglomerate	2000	2000	19
	Sandstone	2600	2600	17
	Mudstone	2500	2500	16
C Wash	Conglomerate	1600	1600	16
	Sandstone	2600	2600	14
	Mudstone	1500	1500	15
D Wash	Conglomerate	1800	1800	29
	Sandstone	2500	2500	14
	Mudstone	2000	2000	14
E Wash	Conglomerate	1400	1400	21
	Sandstone	2500	2500	14
	Mudstone	1400	1400	13
F Wash	Conglomerate	2250	2250	21
	Sandstone	3000	3000	11
	Mudstone	2500	2500	14