

Lost Creek Aquifer Characteristics

	Thickness (ft)	Velocity & Direction north of fault	Velocity & Direction south of fault	Storage Coefficient	Specific Yield	T (gpd/ft)	Hydraulic conductivity (ft/d)	Preferred flow under stress	Connection between aquifers
DE					*	10 - 1,000			
Upper No Name Shale	0-50								
UFG MFG									
LFG	20-50			*		30 - 300			
Lost Creek Shale	5-45								minor under large stresses
UHJ MHJ LHJ	100-160			5.0 x 10(-5) to 5.0 x 10(-4)		260-3,000	effective 0.5 - 0.67 actual 1 - 1.5		
Sage Brush Shale	5 - 75								minor under large stresses
UKM	30 - 60			*		195- 860			
No Name Shale	10 - 30								
MKM									

* Long term multi-well pump tests to be performed in the fall of 2007.