

Table 1.—Details of radial ground-water flow model construction
[ft, feet; d, day; s, seconds; gpm, gallons per minute]

Data	Value
Spatial discretization	
Grid dimensions	400 ft thick by 200,000 ft wide
Number of layers	1
Number of rows	121
Thickness of rows	3.3 ft
Number of columns	81
Size of columns	variable
Column 1 (well)	1 ft
Column 2 (Casing)	0.05 ft
Column 3 (gravel pack/seal)	0.5 ft
Column 4-181	multiplier 1.187
Side boundary condition	no flow
Bottom boundary condition	no flow
Upper boundary condition	water table
(Initial water level 68 ft below land surface. Pumping water level of 134 ft below land surface estimated from Theis equation for a pumping rate of 2,330 gpm)	
Hydraulic properties	
Porosity	0.2
Specific storage	1.5E-06
Anisotropy	0.5
Hydraulic conductivity (calibrated)	
Well casing	0 ft/d
Clay	1 ft/d
Clay and sand	3 ft/d
Silt	7 ft/d
Sand	40 ft/d
Gravelly sand	75 ft/d
Gravel pack	200 ft/d
Temporal discretization	
Stress periods	1
Length of stress period	999 days
Time steps	25
Time step multiplier	1.12
Initial time step	1 s
Pumping rate	2,330 gpm