



Legend

- Al Alluvium
- M6 Miocene-Pliocene volcanic rocks
- Tm Triassic-Moenkopi
- Kb Permian-Kaibab
- Sp Permian-Superior
- Bd Pennsylvanian-Bird Spring
- Mc Mississippian-Monte Cristo
- Dv Devonian-Sultan

Columnar Section

Age	Formation and thickness (feet)	Section
Recent	Blue Diamond	
Pliocene	Later gravel	
Pliocene	Earlier gravel	
Miocene	Miocene rocks	
Jurassic	Artec ls	4100'
	Chinle fm	1000'
Triassic (Upper)		
Triassic (Lower)	Moenkopi fm	750 - 800'
	Unconformity	
Permian	Kaibab fm	400 - 450'
	Superior fm	1500'
Pennsylvanian	Bird Spring formation	2500'
	Unconformity	
Mississippian	Monte Cristo ls	350 - 400'
	Sultan ls	450 - 770'
Devonian	Goodsprings dolomite	2450'

Explanation

- Anticline
- Syncline
- Fault
- Dip and strike of formations
- Mine or quarry
- Abandoned mine
- Reputed well location
- Drilling well
- Abandoned well
- Base of gypsum bed in Kaibab formation
- Elevation on Kaibab limestone
- Elevation base of gypsum bed

Base map from G.L. plots and plane table sheet

Area geology after unpublished data by Langwell and Hewett

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY
CONSERVATION BRANCH

GEOLOGIC RECONNAISSANCE OF THE ARDEN AREA, CLARK COUNTY, NEVADA

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