

Geologic Log For Site CLAC 59817

NWIS Site ID: 451937122205201

OWRD Log ID: CLAC 59817





Well location: 03S/04E-08BCA

Depth drilled, in feet below land surface: 1535

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 388

Logged by: T. L. Tolan

Date drilled: 11/21/2003

Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
0		Estacada Formation boulder-cobble gravel	380			Note : Composite well log derived from wells CLAC 59769 (well 1) and CLAC 59817 (well 2).
		Ground Surface				
		Troutdale Formation cobble conglomerate	338			
		brown sand	317			
		gray clay				
100						
		gray-green sandstone with mica	244			
		clayey siltstone with mica	229			
200						
		gray-green claystone	179			
		cobbly sandstone (gray)	164			
		claystone	143			
		gray-brown sandstone				
		multi-colored claystone	116			
300						
		conglomerate	66			
		Rhododendron Formation deeply weathered	39			341 ft. Top of Rhododendron Formation; unit very deeply weathered from 341 to 490 ft; unit consists of mainly lava flows and minor tuffs interbedded with the Troutdale Formation.
400						
		dense interior	-60			
500						
		dense interior	-110			
		dense interior	-160			
		tuff	-195			
600						
		Rhododendron Formation dense interior	-220			
700						
			-310			
			-330	50-60 gpm	722	
		Troutdale Formation gray claystone	-350			
		conglomerate				
		gray-blue claystone	-380			
800						

Geologic Log For Site CLAC 59817

NWIS Site ID: 451937122205201

OWRD Log ID: CLAC 59817

Well location: 03S/04E-08BCA

Depth drilled, in feet below land surface: 1535

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 388

Logged by: T. L. Tolan

Date drilled: 11/21/2003

Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
		Wanapum Basalt, Frenchman Springs Member Basalt of Sentinel Gap	-435			815 ft: Top of CRBG; uppermost flow weathered from 815 to 830 ft
		no flow top weathered dense interior dense interior - colonnade	-450		845	Basalt of Sentinel Gap: very sparsely plagioclase phyric with small phenocrysts; microphyric
		Wanapum Basalt, Frenchman Springs Member Basalt of Sand Hollow flow 1	-480		875	
		flow top breccia (weathered) dense interior - colonnade	-500		900	
			-570		920	Basalt of Sand Hollow flow 1: sparsely plagioclase phyric with large glomerocrysts flow 2: sparsely plagioclase phyric with large glomerocrysts
		flow top breccia dense interior - colonnade	-585	100 gpm	975	
		interbed - claystone	-645			1025 ft: Interbed <2 ft. thick
		Wanapum Basalt, Frenchman Springs Member Basalt of Silver Falls	-690		1050	Basalt of Silver Falls: plagioclase phyric with large glomerocrysts; abundantly plag. microphyric
		normal flow top dense interior - colonnade	-710			
		Wanapum Basalt, Frenchman Springs Member Basalt of Ginkgo flow 1	-800			Basalt of Ginkgo flow 1: abundantly plagioclase phyric with large glomerocrysts flow 2: abundantly plagioclase phyric with large glomerocrysts
		flow top (weathered) dense interior - colonnade	-815		1175	
			-850		1215	
		pillow complex	-892		1250	
		Vantage Interbed - claystone	-910			1272 ft: Vantage Interbed approx. 3 ft. thick
		Grande Ronde Basalt, Sentinel Bluffs Member flow 1	-970			Sentinel Bluffs Member flow 1: aphyric flow 2: very sparsely plagioclase phyric with small phenocrysts
		weathered flow top dense interior - colonnade	-980	<10 gpm	1340	
		weathered flow top dense interior - colonnade	-1030		1400	
		Grande Ronde Basalt, Winter Water Member flow 1	-1055			Winter Water Member flow 1: plagioclase phyric with small glomerocrysts flow 2: plagioclase phyric with small glomerocrysts
		flow top breccia dense interior - entablature dense interior - colonnade	-1075		1435	
			-1085			
		normal flow top dense interior - entablature	-1100			
			-1155		1535	
		TD 1535 ft				