Geologic Log For Site CLAC 59769

Logged by: T. L. Tolan

Date drilled: 10/20/2003

NWIS Site ID: 451958122211701 OWRD Log ID: CLAC 59769 Well location: 03S/04E-06DDC

Depth drilled, in feet below land surface: 980

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 375

-	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
0-	K K	Estacada Formation Ground Surface	380			Note : Composite well log deriv
\exists	ર્જે હત	boulder-cobble gravel				and CLAC 59817 (well 2).
4	၀ွင္တ၀ွ၀ွ	Troutdale Formation	338			
_		cobble conglomerate brown sand	317	1		
 		grayclay				
=	V2005XX 5.V200	gray-green sandstone with mica	244	1		
		clayey siltstone with mica	229	†		
∞ 		gray-greenclaystone	179	1		
4	၀ွင္တ၀င္ပင္ခ	cobbly sandstone (gray)	164]		
4		claystone	143	1		
4		gray-brown sandstone multi-colored claystone	116	1		
_ 00 —		That concentration				
		conglomerate	66			OM & Tax of Physical and an extra
=	ૢઌ૽ૼ૾ૺૢ	Rhododendron Formation deeply weathered	39			341 ft: Top of Rhododendron Formation; unit very deeply weathered from 341 to 490 ft; un
_	0-00	deepty weatner ed				consists of mainly lava flows an minor tuffs interbedded with the
.00	ૢઌૢૼ૿ૢૢૢૢૢૢૢૢ					Troutdale Formation.
	0-00 000 000					
Ⅎ		dense interior	-60	†		
500 		dense interior	-110	1		
4						
7			-160	1		
#		dense interior	1.00			
╛	$\frac{1}{2}$	tuff	-195	-		
oo -	<u>`</u>			1		
ຶ∃		Rhododendron Formation dense interior	-220			
-		dense interior				
4						
7						
7			-310	1		
™ 🗆	0 0 0		-330			
1				50-60 gpm	722	
4		Troutdale Formation	-350			
7		gray claystone				
7	X 2 2 1 X 2	conglomerate	-390	1		
000		gray-blue claystone				

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Geochem Sample Water Elevation Symbol Lithologic Description Bearing Remarks Depth Zones 815 ft: Top of CRBG; uppermost -435 Wanapum Basalt, Frenchman Springs Member flow weathered from 815 to 830 ft -450 Basalt of Sentinel Gap 845 Basalt of Sentinel Gap: very no flow top weathered dense interior sparsely plagioclase phyric with dense interior - colonnade small phenocrysts; microphyric Wanapum Basalt, Frenchman Springs Member 875 -500 Basalt of Sand Hollow flow 1 900 900 flow top breccia (weathered) dense interior - colonnade 920 Basalt of Sand Hollow flow 1: sparsely plagioclase phyric with large glomerocrysts flow 2: sparsely plag joclase phyric -570 100 apm flow 2 with large glomerocrysts flow top breccia -585 975 dense interior - colonnade 1000 1025 ft: Interbed < 2 ft. thick interbed - claystone Wanapum Basalt, Frenchman Springs Member asalt of Silver Falls: plagioclase 1050 phyric with large glomerocrysts; abundantly plag. microphyric Basalt of Siver Falls normal flow top -690 dense interior - colonnade -710 Wanapum Basalt, Frenchman Springs Member 1100 Basalt of Ginkgo flow top (weathered) flow 1: abundantly plagioclase dense interior - colonnade phyric with large glomerocrysts flow 2: abundantly plagioclase phyric with large glomerocrysts 1175 -800 flow 2 normal flow top -815 1200 dense interior - colonnade 1215 -850 pillow complex 1250 1272 ft: Vantage Interbed approx 3 Vantage Interbed - claystone ft. thick -910 **Grande Ronde Basalt, Sentinel Bluffs Member** 1300 flow 1 weathered flow Sentinel Bluffs Member flow 1: aphyric <10 gpm top 1340 dense interior - colonnade flow 2: very sparsely plagioclase phyric with small phenocrysts -970 flow 2 -980 weathered flow top 1400 -1030 **Grande Ronde Basalt, Winter Water Member** flow 1 1435 Winter Water Member -1055 flow top breccia flow 1: plagioclase phyric with dense interior - entablature small glomerocrysts flow 2: plagioclase phyric with -1075 dense interior - colonnade -1085 small glomerocrysts flow 2 -1100 1500 dense interior - entablature 1535 -1155 TD 1535 ft 1600