

Geologic Log For Site MARI 57164

NWIS Site ID: 450419122473601

OWRD Log ID: MARI 57164

Well location: 06S/01W-03DCC

Depth drilled, in feet below land surface: 642

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 184

Logged by: M. H. Beeson and T. L. Tolan

Date drilled: 01/21/2003

Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
0		Willamette Silt brown silt	190			Ground Surface
		Molalla or Troutdale Formation cobble conglomerate pebble gravel	162 150			
		gray clay with sand beds	114			
100		pebbly sand with clay beds	90			
		brown clay with sand beds	70			
200						213 ft: Top of CRBG; no flow top on uppermost flow
		Grande Ronde Basalt, Umtanum Member dense interior - entablature	-23		215	Umtanum Member: aphyric
		fault	-50			240 ft: fault inferred at approximately 240 ft. Dip of fault plane unknown.
		Wanapum Basalt, Frenchman Springs Member dense interior - colonnade	-80		260	Basalt of Sand Hollow: very sparsely plagioclase phyrlic with glomerocrysts
		interbed - claystone	-80	100g pm		Basalt of Silver Falls: plagioclase phyrlic with large glomerocrysts; abundantly plag. microphyric
300		normal flow top	-110		336	353 ft: Vantage Interbed approx. 4 ft. thick
		dense interior - colonnade	-110			
		Vantage Interbed - claystone	-163			
		Grande Ronde Basalt, Sentinel Bluffs Member normal flow top	-176			Sentinel Bluffs Member
		dense interior - colonnade	-176		409	flow 1: aphyric
400		normal flow top	-219	100g pm		flow 2: aphyric
		dense interior - colonnade	-229			
		normal flow top	-249			flow 3: sparsely plagioclase phyrlic with small phenocrysts
		dense interior - colonnade	-249	150g pm		
		interbed - claystone, 2ft. thick	-277			
		flow top breccia	-277		485	
500		dense interior - colonnade	-319			
		Grande Ronde Basalt, Winter Water Member flow top breccia	-339			Winter Water Member: plagioclase phyrlic with small glomerocrysts
		dense interior - entablature	-339	300g pm	570	
		dense interior - colonnade	-387		635	
600		Grande Ronde Basalt, Umtanum Member flow top breccia	-411			Umtanum Member: aphyric
		dense interior - entablature	-437	1000g pm	635	
		internal vesicular zone	-456		655	
		dense interior - entablature	-465			
		TD 655 ft				
700						
800						