

Geologic Log For Site MARI 53583

NWIS Site ID: 450656122561701

OWRD Log ID: MARI 53583










Well location: 05S/02W-21DC

Depth drilled, in feet below land surface: 2808

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 194

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

Date drilled: 12/05/1984

Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
0		No Description Ground Surface	193			
100						
200						
300		Troutdale Formation gravel gravelly black sand	-47 -62			
400		gravel black sand green-gray sandy clay	-107 -167 -197	NA		
500		green clay yellow-gray clay	-247 -327			
600		yellow-gray sandy clay	-457			
700		No Description	-487			
800						

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900		gray-green clay	-707			
1000		gray clay with tuff beds	-812			
		yellow-gray sandy clay	-847			
1100		Grande Ronde Basalt - Sentinel Bluffs Member deeply weathered flow top weathered dense interior below	-917			1110 ft: Top of CRBG; uppermost flow deeply weathered from 1110 to 1160 ft.
		dense interior - colonnade	-967			Sentinel Bluffs Member: sparsely plagioclase phyric with small phenocrysts
1200		interbed - claystone	-1042	NA	1220	1235 ft: Interbed approx. 5 ft. thick
		Grande Ronde Basalt - Winter Water Member normal flow top dense interior - entablature	-1062			Winter Water Member: sparsely plagioclase phyric with small glomerocrysts
1300		dense interior - colonnade	-1107		1310	
		Grande Ronde Basalt - Umtanum Member normal flow top dense interior - entablature	-1127			Umtanum Member: aphyric
		dense interior - colonnade	-1137		1370	
1400		dense interior - colonnade	-1227		1460	
		pillow complex	-1277			
1500		interbed - claystone	-1295		1490	1490 ft: Interbed approx. 1 ft. thick
		Grande Ronde Basalt - Ortley Member normal flow top dense interior - colonnade	-1307			Ortley Member: aphyric
		dense interior colonnade	-1357		1580	
1600		interbed - claystone / siltstone with carbon wood	-1392			1585 ft: Interbed approx. 15 ft. thick
			-1407			

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Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
	[Symbol]	<p>Grande Ronde Basalt - Wapshilla Ridge Member?</p> <p>normal flow top dense interior - entablature</p> <p>dense interior - colonnade sediment mixed with bottom of flow</p>	-1417	NA	1610	<p>Wapshilla Ridge Member?: sparsely plagioclase microphyric</p> <p>1670 ft: Bottom the CRBG</p>
	[Symbol]		-1457			
	[Symbol]	<p>Pre-CRBG sediments - sandy claystone (marine)</p>	-1477			
1700		<p>TD 2808 ft</p>	-1497			
1800						
1900						
2000						
2100						
2200						
2300						
2400						