

Geologic Log For Site MARI 53584

NWIS Site ID: 451110122470301

OWRD Log ID: MARI 53584

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

Well location: 04S/01W-34AA1

Depth drilled, in feet below land surface: 2752

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 170

Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
0		<small>Ground Surface</small> Willamette Silt	174			
		tan sandy silt	149			
		tan silt	104			
		gray sandy silt	84			
100		Troutdale Formation	64			100 ft. Top of Troutdale Formation based on driller's log. No samples available.
		black silty sand with green clay	39			
		dark gray sand	14			
		dark gray sand with gray clay	-36			
		dark green clay	-61			
		gray- black sand	-111			
200		gravel	-132			
		sandy gravel	-182			
		clayey gravel	-257			
		green-gray clay	-282			
		dark gray clay	-516	NA		
		dark gray sand	-526			
		dark green-gray clay	-551			
500		gray sand	-626			
		dark gray-green claystone				
700		gray siltstone / claystone				
800						

Geologic Log For Site MARI 53584

NWIS Site ID: 451110122470301

OWRD Log ID: MARI 53584

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

Well location: 04S/01W-34AA1

Depth drilled, in feet below land surface: 2752

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 170

Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
900		dark gray claystone with black organic matter				
			-746			
		gray silt stone with minor organic matter				
			-777			
		gray sandstone				
			-802			
1000		dark green-gray claystone				
			-841			
		gray sandstone				
		dark gray siltstone				
		dark gray claystone				
			-866			
			-887			
1100		dark gray siltstone				
			-942			
1200		green-gray claystone with minor organic matter		NA		
1300		Wanapum Basalt - Frenchman Springs Member	-1122		1301	1296 ft: Top of CRBG; No flow top - removed by erosion.
		Basalt of Ginkgo	-1136			Basalt of Ginkgo: abundantly plagioclase phyrlic with large glomerocrysts
		deeply weathered, no flow top				
		dense interior - colonnade				
		Pillow Complex	-1161			
			-1177			
		Vantage Interbed				1351 ft: Vantage Interbed approx. 3 ft. thick
		clay and wood	-1191			
1400		Grande Ronde Basalt - Sentinel Bluffs Member				Sentinel Bluffs Member
		flow 1	-1226			flow 1: very sparsely plagioclase phyrlic with small phenocrysts
		normal flow top				
		dense interior - colonnade				
		Pillow Complex	-1252			
		interbed - claystone and wood	-1274			1426 ft: Interbed approx. 1 ft. thick
1500		Grande Ronde Basalt - Winter Water Member				Winter Water Member
		flow 1				flow 1: sparsely plagioclase phyrlic with small glomerocrysts
		normal flow top				
		dense interior - colonnade			1501	
			-1336			
		normal flow top				
			-1352			
		dense interior - entablature				
			-1397			
		dense interior - colonnade			1571	
			-1416			
1600						

Geologic Log For Site MARI 53584

NWIS Site ID: 451110122470301

OWRD Log ID: MARI 53584

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

Well location: 04S/01W-34AA1

Depth drilled, in feet below land surface: 2752

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 170

Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
1651		Grande Ronde Basalt - Ortley Member flow 1	-1436	NA	1651	Ortley Member flow 1: aphyric flow 2: aphyric
		normal flow top				
		dense interior - entablature				
1700		dense interior - colonnade	-1496			
		normal flow top	-1516			
		dense interior - entablature	-1536			
1765		dense interior - colonnade	-1577			
		interbed - siltstone / claystone	-1591			
			-1606			
1800		Grande Ronde Basalt Ortley or Grouse Creek? Member flow 1	-1616			
		normal flow top				
		dense interior - entablature	-1658			
1865		dense interior - colonnade	-1676			
		normal flow top	-1686			
		dense interior - entablature	-1706			
1890		dense interior - colonnade	-1716			
		interbed - green-grey claystone				
			-1750			
1950		Grande Ronde Basalt Ortley or Grouse Creek? Member flow 3	-1750			
		normal flow top				
		dense interior - entablature	-1776			
2000		dense interior - colonnade	-1810			
		Grande Ronde Basalt - Wapshilla Ridge Member flow 1	-1836			
		normal flow top				
2084		dense interior - entablature	-1886			
		dense interior - colonnade				
			-1920			
2100		Grande Ronde Basalt - Wapshilla Ridge Member flow 2	-1920			
		normal flow top				
		dense interior - entablature	-1946			
2171		dense interior - colonnade	-2026			
			-2046			
2200		Pre-CRBG Sediments	-2046			
2300		TD 2752 ft	-2126			
2400						