

Geologic Log For Site MULT 5

NWIS Site ID: 453906122535201

OWRD Log ID: MULT 5

Well location: 02N/02W-14CDA

Depth drilled, in feet below land surface: 705

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 1160

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

Date drilled: 03/28/1990

Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
0		Portland Hills Silt Ground Surface	0			
		Soft brown clay	-8			
		Light brown clay	-15			
		Decomposed Basalt? Sticky red-brown clay				
		Sticky dark brown clay	-47			
		Soft decomposed brown basalt (Weathered Sand Hollow flow(?), Frenchman Springs Member, Wanapum Basalt)	-62			
		Soft light brown clay	-87			
100		Sticky light red-brown clay	-107			
		Soft decomposed red-brown basalt (Weathered Sentinel Bluffs Member, Grande Ronde Basalt)	-144			
		Dark brown clay	-180			
		Soft light brown clay	-192			
200		Firm decomposed light brown basalt	-209			
		Firm gray-brown basalt	-225			
		Firm decomposed basalt	-239			
		Sentinel Bluffs Member, Grande Ronde Basalt fine to medium grained, dark gray to black, dense; plagioclase phenocryst	-248			
		flow top scoria, oxidized to red and brown	-274		Sow-270	
		Winter Water Member, Grande Ronde Basalt <i>flow 1</i> colonnade gray with hydration rinds, fine grained, phytic; lower half of flow is discolored (yellowish green)	-295			
300		pillow complex	-360		Sow-360	
		vesicles, oxidized, glass	-367			
		Winter Water Member, Grande Ronde Basalt <i>low 2</i> gray to dark gray, blocky plagioclase phenocrysts are common; slightly diktyaxitic (gives mottled look where oxidized or altered)	-375			
400						

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450					Sow-410	
		vesicles, relatively fresh, slightly oxidized	-453			
		Ortley Member, Grande Ronde Basalt flow 1 gray, fine grained, slightly diktytaxitic	-465		Sow-480	
500		vesicles, weathered, some glass chips	-495			
		Ortley Member, Grande Ronde Basalt flow 2 black to gray, dense, fine grained, fresh; slightly microphyric (Starr Quarry type) slightly diktytaxitic in places	-505		Sow-530	
		gray, slightly coarser	-562			
		pillow lava - glass w/ yellow coating, vesicles, some oxidation, opaline clays	-578			
600		ocher colored volcanic silt stone	-595			
		greenish yellow alteration near top of flow, few vesicles	-603			
		Ortley/Grouse Creek Member, Grande Ronde Basalt gray to dark gray, fine grained, mostly dense with diktytaxitic patches (630-650 ft.), one small phenocryst, slightly microphyric	-611			
		coarser, gray, dense fresh, fine grained	-690		Sow-690	
700			-705			
800						