

Geologic Log For Site WASH 55816

NWIS Site ID: 452544122504201

OWRD Log ID: WASH 55816

Well location: 02S/01W-05BCB

Depth drilled, in feet below land surface: 992

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 320

Logged by: M. H. Beeson

Date drilled: 03/07/2000

Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
0		Silty Clay	310			
		Weathered Sentinel Bluffs Member, Grande Ronde Basalt Weathered non-vesicular, medium to coarse grained; grades from basalt and clay to oxidized red-gray weathered, but solid basalt; phenocrysts are rare.	300			
		Vesicular flow top	289			
			284			
			274			
			266			
			262			
		Sentinel Bluffs Member, Grande Ronde Basalt flow 1 Light gray, fine to medium grained, aphyric Vesicular flow top - oxidized, fewer vesicles with depth Coarse grained, dark gray to black basalt	254			
			237			
			215			
		Sentinel Bluffs Member, Grande Ronde Basalt flow 2 Dark gray, diktytaxitic, phyric Vesicular flow top - vesicles at 73-75'; flow breccia at 80-86'; few large vesicles to 95'	180			
			173			
			162			
		Sedimentary Interbed Vesicular flow top - not much oxidation				
		Winter Water Member, Grande Ronde Basalt flow 1 Medium gray, fine grained, few small phenocrysts Vesicular zone- flow breccia at 163-166'; scattered vesicles and large vugs to 184'	126			
			105			
			90			
		Winter Water Member, Grande Ronde Basalt flow 1 Fine grained, gray, phyric; phenocrysts appear irregularly in this flow, abundant from 245-265'				
			4			
		Flow top breccia				
			-38			
		Ortley Member, Grande Ronde Basalt Very fine grained, gray to black, aphyric				
400						

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		Sediment Interbed Vesicular flow top	-109			
		flow Grouse Creek Member, Grande Ronde Basalt flow 1	-123			
		Fine grained, aphyric, rarely microphyric Vesicular flow top	-145			
		Grouse Creek Member, Grande Ronde Basalt flow 2	-155			
500		Fine to medium grained, aphyric and not noticeably microphyric				
		507'-509' Slickensides, approximately vertical Sediment Interbed Pervasive slickensides	-198			
		Vesicular flow top	-206			
		562'-600' diiktyaxitic zone	-216			
		Wapshilla Ridge Member, Grande Ronde Basalt flow 1				
600		Microphyric, fine grained, gray				
		Vesicular flow top	-349			
		Wapshilla Ridge Member, Grande Ronde Basalt flow 2	-360			
700		Abundantly microphyric, dark gray to black				
800						

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		Vesicular flow top	-508			
		Wapshilla Ridge Member, Grande Ronde Basalt flow 3 Abundantly microphyric, dark gray, fine grained	-530			
		Vesicular zone	-568			
		Pillow lavas	-575			
900		Sedimentary Interbed	-594			
		Vesicular flow top	-609			
		Wapshilla Ridge Member, Grande Ronde Basalt flow 4 Microphyric, crystals are very small				
			-663			
		Bottom part of this flow gives a normal polarity and the underlying flow gives a reversed polarity, both counter to the chemical identification. Deformation?	-670			
		Vesicular zone	-682			
		China Creek Member(?), Grande Ronde Basalt Diktytaxitic, microphyric, dark gray, medium gray. Geochemistry is China Creek, but w hy reversed polarity?				
1000						
1100						
1200						