

Geologic Log For Site CLAC 58435

NWIS Site ID: 452650122091701

OWRD Log ID: CLAC 58435

Well location: 01S/05E-26DCC01

Depth drilled, in feet below land surface: 649.5

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 731.64

Logged by: M. H. Beeson

Date drilled: 10/14/2002

Depth	Symbol	Description	Elevation	Remarks
0		Ground Surface	730	
		Andesite and gravel Mix of andesite and stream-rounded pebbles	710	
		Cascade volcanics (landslide) Mostly andesite clasts, some clay and pumice - lahars? (land slide of mostly Rhododendron Formation)		
		90'-100' Fragments of fresh vesicular Ginkgo basalt		
100			626	
		Ginkgo flow Phyric, fine grained, diktytaxitic, fresh, few vesicles - top eroded off; denser near base, frothy glass and sediment -pillows	620	Chemistry? BR-PW1-110
		Vantage Interbed Gray silty sediment with some mica; becomes darker, carbonaceous claystone at base; some glass chips	605	
		Vesicular flow top - dark gray to black, weathered gray but not oxidized; fewer vesicles downward		
		Sentinel Bluffs 1 flow Dark gray, coarse grained, microvesicular to diktytaxitic; becomes darker, denser, and finer grained near base	580	
			559	Chemistry? BR-PW1-165
		Interbed White to gray to dark greenish gray claystone	553	
		Vesicular flow top - not oxidized		
			540	
200		Fine grained, dense; drusy calcite		

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		<p><i>Sentinel Bluffs II flow</i> Fine to medium grained 210'-240' gray, fine to medium grained diktytaxitic, sparsely phyrlic; changing to dark gray denser and less diktytaxitic toward base</p>		<p>Bottom of casing 270' (cement in samples)</p> <p>Chemistry? BR-PW1-295</p>
300			420	
		<p>Vesicular zone - less vesicles and diktytaxitic deeper</p> <p><i>Winter Water?</i></p>	415	
			405	Chemistry? BR-PW1-325
		<p>Vesicular, slightly weathered, sediment?</p> <p><i>Winter Water?</i></p>	390	
		<p>Dense, fine grained, few small phenocrysts; calcite in vesicles</p> <p>Finely vesicular, mostly fresh, black but slight oxidation; some glass; few larger vesicles with bluish coating at 355'; silica and clays in vesicles</p>	380	Chemistry? BR-PW1-345
			370	
		<p>370-380 - purplish gray with darker hydration rinds; not too fresh</p> <p>385'-390 very fine grained, dense, fresher</p>		
400		<p>More jointed (broken?) here</p>		

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		fine grained, dense, dark gray, very few phenocrysts		
		430' calcite incavities	290	
		450' pyrite on finely vesicular layers		
		Winter Water flow Fine grained, mostly dense with a few diktytaxitic patches, dark gray, rare small plagioclase phenocrysts (why so few good Winter Water-type plagioclase phenocrysts?)		Chemistry? BR-PW1-480
500			218	
		Pillows Very fine grained or glassy with small vesicles; cavities may contain blue opaline linings and partial fillings; pyrite may coat glass or line fractures; plagioclase phenocrysts rare and small	199	
		Sediment interbed - a mix of white to gray claystone chips and glass; wood fragments, carbonized plant imprints in claystone	192	
		Very thin vesicular zone (partly eroded?); small vesicles, no oxidation 545'-550' a few blue-lined vesicles or vugs		
		Ortley (?) Mostly dense, dark gray to black, fine grained 570'-580' darker gray to black, finer, slightly microphyric	150	
600				Chemistry? BR-PW1-595

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		Dark gray, dense; some blue coatings on irregular cavities	117	Chemistry? BR-PW1-650
		Vesicular, fine grained, not weathered or oxidized; blue clay lined cavities	100	
		<i>Ortley (?)</i>	90	
		Gray to dark gray, slightly diktytaxitic in patches	80	
700				
800				

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