

Geologic Log For Site CLAC 58434

NWIS Site ID: 452646122090501

OWRD Log ID: CLAC 58434

Well location: 01S/05E-35ABA01

Depth drilled, in feet below land surface: 759.5

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 876.32

Logged by: M. H. Beeson

Date drilled: 11/01/2002

Depth	Symbol	Lithologic Description	Elevation	Remarks
		Ground Surface	874	
		<i>Fill</i>	869	
		<i>Volcanic debris</i>	859	
		<i>Cascade volcanics - Jahar?</i> Yellow brown volcanic debris - breccia with small light clasts (lahar or ashflow)	824	
		<i>Mix - fluvial clasts and volcanic debris</i>	794	
		<i>Basalt boulders?</i>	784	
100		<i>Mix - fluvial clasts and volcanic debris</i>	758	
		<i>Sand Hollow flow (phyric)</i> Diktyaxitic at top, finer grained and denser downward; dark gray, phyric	744	Chemistry: BR Pw2-125 SWL before casing - 125'
		Few vesicular chips, weathered and slightly oxidized	734	
		<i>Sand Hollow flow (sparsely phyric)</i>		Chemistry: BR Pw2-185
200				

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Depth	Symbol	Lithologic Description	Elevation	Remarks
		Finer grained toward base; sparse phenocrysts	666	(BR Pw2-235) (Flow 40-50 gpm before casing)
		Vesicular; not weathered or oxidized; some calcite	659	
		Ginkgo flow Phyric, fine grained, diktytaxitic, fresh, few vesicles - top eroded off; denser near base, frothy glass and sediment -pillows	639	
		Pillow lava - glass and peperite	629	
		Vantage Interbed Gray silty sediment with some mica; some light colored claystone; lots of wood	623	
		Vesicular flow top - dark gray to black, weathered gray but not oxidized, fewer vesicles downward	604	
		Sentinel Bluffs I flow Dark gray, coarse grained, microvesicular to diktytaxitic from 270' - 285'; becomes darker, denser, and finer grained near base		
300		Finer at base, a few vesicles and some clay chips	572	
		Vesicular flow top - not oxidized but slightly weathered giving a dull, dirty appearance; calcite filling some vesicles	549	
400		Sentinel Bluffs II flow Fine to medium grained 210'-240' gray, fine to medium grained diktytaxitic, sparsely phyric; changing to dark gray denser and less diktytaxitic toward base		

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				(BR Pw2-425)
			437	
		Vesicular zone	431	
		<i>Interbed</i>		
		Vesicular flow top - weathered, slightly oxidized; vesicles are coated with powder blue clays	414	437-457' - 30 gpm, SWL=18.5' (driller)
		Few blue clay coated vugs from vesicular zone downward		
		<i>Winter Water flow</i>		
		Very fine grained, dark gray to black, dense		
500			356	
				495'-600' - 230 gpm, SWL=18.5' (Driller)
				Chemistry: BR. Pw2-500
		Dark gray, fine grained, diktytaxitic patches		
600				

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		Fine grained, dense, dark gray to greenish gray	233	
		Vesicular zone- slightly altered, some glass and light tan clay	229	
		<i>Pillow lobe</i> Fine grained, a few plagioclase phenocrysts A few vesicles and glassy chips at base	215	Chemistry: BR Pw2-655
		Sediment interbed - a mix of white to gray claystone chips and glass; vesicular basalt - invasive tongue?	201	
		Carbonized wood fragments and imprints in claystone		
		Very thin vesicular zone (partly eroded?); small vesicles, no oxidation	184	
		<i>Ortley flow</i>		Chemistry: BR Pw2-695
700		Greenish silty sediment	169	
		Some vesicles and glass	164	
		<i>Eroded flow or flow lobe?</i>	153	Chemistry: BR Pw2-715 705-736' - 190 gpm, ISWL= 14.4' (driller)
		Vesicular, fine grained, weathered and oxidized at top; blue clay lined vesicles; few chips of tuffaceous sediment; pyrite and calcite crystals	139	
		<i>Ortley</i>		Chemistry: BR Pw2-750
		Dark gray, fine grained	119	
		End of Log	114	
800				

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