

Geologic Log For Site MULT 72560

NWIS Site ID: 452656122085701

OWRD Log ID: MULT 72560

Well location: 01S/05E-26DDB01

Depth drilled, in feet below land surface: 690

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 756.86

Logged by: M. H. Beeson

Date drilled: 12/13/2003

Depth	Symbol	Lithologic Description	Elevation	Remarks
0		Ground Surface	756	
		<i>Fill?</i> Black basalt	741	
		<i>Mix - fluvial clasts and volcanic debris</i>	734	
		<i>Lahar</i> Andesite chips and red clay	716	
		<i>Andesite lava or lahar</i>	701	
		<i>Lahar?</i> Claystone -altered volcanic ash with andesites clasts	691	
		<i>Lahar?</i>	676	
		<i>Volcanic ash</i> White weathered volcanic ash with some diktytaxitic dark gray volcanic rock (andesite) fragments	666	
100		<i>Mix - fluvial clasts and volcanic debris</i>	650	
		Vesicular flow top - dark gray, weathered gray but not very oxidized; fewer vesicles downward	639	
		<i>Sentinel Bluffs I flow</i> Dark gray, medium grained, microvesicular to diktytaxitic from 117' - base'	609	Chemistry: Pw-4 140-145
		<i>Sedimentary Interbed</i> Greenish black claystone	604	
		Vesicular flow top - not oxidized but slightly weathered giving a dull, dirty appearance; calcite filling some vesicles	591	
		<i>Sentinel Bluffs flow unit</i> Diktytaxitic (no dense basalt)	579	(Pw-4 170-175)
			571	
200		Few vugs below vesicular zone; no phenocrysts found		

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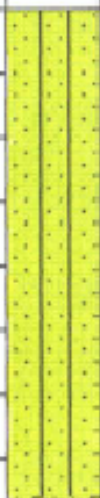
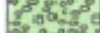

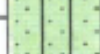
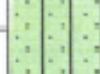






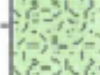
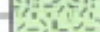
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		<p>Large blue clay coated vugs, pyrite Dense below 210' 215' - blacker above, grayer below</p> <p style="color: red; text-align: center;"><i>Sentinel Bluffs II flow</i> Fine to medium grained 235-245' - very diktytaxitic zone</p>		
		<p>Glass, calcite, vesicles w/ blue clay linings</p>	-480	(Pw-4 260)
		<p>Vesicular, blue clay linings; greenish black clay hunks</p>	-469	
300		<p style="color: red; text-align: center;"><i>Winter Water flow</i> Gray, diktytaxitic patches, fine grained</p>		
		<p>Finer grained, gray; a few microvesicular and diktytaxitic patches</p>	-438	Chemistry: Pw-4 310
		<p>Vesicular flow top - red, brown oxidized; Downward are a few blue lined vesicles; rock has reddish cast</p>	-430	
		<p>330-350 - a few vugs below vesicular zone</p>		
		<p style="color: red; text-align: center;"><i>Winter Water flow</i> Fine to medium grained, dark gray to black (dull in places), dense, sparse small phenocrysts</p>		
				
				
				
				
				
400				

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Depth	Symbol	Lithologic Description	Elevation	Remarks
			301	
		Dark gray, medium-fine grained, dense, diktytaxitic patches	271	(Pw-4 470)
		Vesicular zone- small vesicles, dark gray, very fine grained, pyrite	258	
500		Subaqueous flow lobe	254	
		Glass, black, very fine grained basalt, pyrite	249	Chemistry: Pw-4 505
		Sediment interbed - a mix of tan to gray claystone chips; Carbonized wood fragments and imprints in claystone	245	
		Blue-lined vesicles, no oxidation	240	
		Black, fine grained, slightly microphyric	226	
		<i>Ortley flow</i>	208	
		vesicles, quartz	193	Chemistry: Pw-4 555-560
		Interbed - beige to red claystone		
		Vesicular flow top - dark gray, fine grained, blue coatings on vesicles, pyrite	171	
		<i>Ortley flow</i>		
600		595-600 - gray diktytaxitic		

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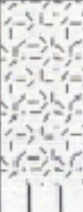
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Depth	Symbol	Lithologic Description	Elevation	Remarks
		600-610 - gray, fine grained, diktytaxitic patches, mostly dense 610-615 - dark gray, microvesicles - transition 615-630' - black, very fine grained, mostly dense 630'-base - gray, fine grained, mostly dense	126 121	Chemistry: Pw-4 630-635
		End of Log		
700				
800				

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