

Geologic Log For Site POLK 51369

NWIS Site ID: 445800123060601

OWRD Log ID: POLK 51369

Well location: 07S/03W-18BDA

Depth drilled, in feet below land surface: 483

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 565

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

Date drilled: 05/31/2001

Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
0		Ground Surface	510			
		Soil to red and brown clay	500			
		top is weathered, slightly oxidized, fine grained; no vesicles				
		10'-40' - gray mottled to dark gray, slightly diktyaxitic				
		Winter Water flow				
		few small plagioclase phenocrysts				
		40'-70' - dark gray to black, dense				
		80'-90' - yellowish alteration	435			
100		base is dark gray, finer grained				
		Sediment interbed	405			
		15' of dark gray claystone over 10' of greenish tan silty sandstone over 15' of greenish tan silty claystone				
		Vesicular zone	365			
		small vesicles, fine grained, fresh black, slightly diktyaxitic (top of invasive unit?)	355			
		160'-190' - dark gray, fine grained, dense with diktyaxitic patches				
200		190'-220' - dark gray to black, fine grained, mostly dense				
		220'-230' - light gray, finely microphyric				
		(rare small plagioclase phenocrysts)				
		Ortley flow				
300		230'-390' - black, fine, dense, sparsely microphyric				
				5 gpm		
400		390'-410' - gray to dark gray, fine grained				
		Colonnade	100			
		dense greenish black	77			
		Pillowed lobe	55			
		vesicular black glass above and below fine grained black to dark gray basalt, sparsely microphyric; yellowish coating on glass	40	20 gpm		
			27			
500						