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-	10-0-0-0-0-0	Signal Surject		310			
-		Weathered Sentinel Bluffs Member,		300			
-	0 000 0	Grande Ronde Basalt	/	289 284			
-		Weathered non-vesicular, medium to coarse grained; grades from basalt and clay to oxidized red-gray weathered, but solid basalt;		274			
-	0 0 0 0 0	phenocrysts are rare.	_/	266			
_	00000	Vesicular flow top Sentinel Bluffs Member, Grande Ronde Basalt	A	262 254			
_]:	flow 1	/				
		Light gray, fine to medium grained, aphyric Vesicular flow top - oxidized, few er vesicles with depth		237			
	.0000 0000 0000	Coarse grained, dark gray to black basalt	/				
100 —	0 0 2 0	Vesicular flow top - not very oxidized; near the base of vesicular	_	215			
		zone vesicles are smaller and may be in vesicle sheets Sentinel Bluffs Member, Grande Ronde Basalt					
_		flow 2					
_		Dark gray, diktytaxitic, phyric					
_	္ကိုကိုကိုျ	Vesicular flow top - vesicles at 73-75', flow breccia at 80-86'; few large vesicles to 95'		180 173			
_	0 000 0	Phyric, medium grained, dark gray	_//	162			
_	200000	Sedimentary Interbed]				
_	58 ° 568 ° 68 ° 1	Vesicular flow top - not much oxidation					
_		Winter Water Member, Grande Ronde Basalt flow 1					
_	02 0 002	Medium gray, fine grained, few small phenocrysts		126			
200 —		Vesicular zone- flow breccia at 163-166'; scattered vesicles and large vugs to 184'					
_	<u>, 688</u>	A few very small phenocrysts	\nearrow	105			
_	8,0988	Vesicular flow top - reddish oxidized to 208.5' vesicles decrease with depth; scattered vesicles and vugs to 220'		90			
-		with depth, solutioned vesicles and vags to 220					
-							
-		Winter Water Member Crande Bonde Booolt					
-		Winter Water Member, Grande Ronde Basalt flow 1					
-	. : . : .	Fine grained, gray, phyric; phenocrysts appear irregularly in this flow, abundant from 245-265'					
-		now, abundant nom243-203					
-							
300 —							
-	00000			4			
-	,800 800 800 800 800	Flow too because					
-	,000,000 ,000,000,000	Flow top breccia					
-	0°608						
-				-38			
-							
-							
-		Ortley Member, Grande Ronde Basalt					
-		Very fine grained, gray to black, aphyric					
400 —							

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-	0 000 0	Sediment Interbed	-109			
-		Vesicular flow top	-123			
-	-	flow	-123			
-		Grouse Creek Member, Grande Ronde Basalt				
-	% % % % % % %	Fine grained, aphyric, rarely microphyric	-145			
-	-	Vesicular flow top	-155			
_		Grouse Creek Member, Grande Ronde Basalt flow 2				
500 —	-	Fine to medium grained, aphyric and not noticably microphyric				
-		507-509' Slickensides, approximately vertical Sediment Interbed	-198			
-	00000	Pervasive slickensides	-206			
-		Vesicular flow top	-216	İ		
-						
-		562'-600' diktytaxitic zone				
-	-					
-	.	Wapshilla Ridge Member, Grande Ronde Basalt				
600 —	.	f <mark>low 1</mark> Microphyric, fine grained, gray				
-	-					
-	-					
-	-					
-	-					
-	-					
-		Vesicular flow top	-349			
-		·	-360			
-	.					
-	-					
700 —	-					
-	.					
-	-					
-	-					
-	-	Wapshilla Ridge Member, Grande Ronde Basalt flow 2				
-	-	Abundantly microphyric, dark gray to black				
-						
-						
-						
-						
800 —						

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-	0 0000	Vesicular flow top	-508 -530			
-	0.00	Wapshilla Ridge Member, Grande Ronde Basalt flow 3 Abundantly microphyric, dark gray, fine grained	-568			
900 —		Vesicular zone Pillow lavas Sedimentary Interbed	-575 -594			
-	00000	Vesicular flow top Wapshilla Ridge Member, Grande Ronde Basalt flow 4 Microphyric, cyrstals are very small	-609			
-	00000	Bottom part of this flow gives a normal polarity and the underlying flow gives a reversed polarity, both counter to the chemical	-663 -670			
1000 —		identification. Deformation? Vesicular zone China Creek Member(?), Grande Ronde Basalt Diktytaxitic, microphyric, dark gray, medium gray. Geochemistry is China Creek, but w hy reversed polarity?				
-						
1100 —						
-						
-						
1200 —						