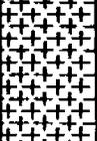
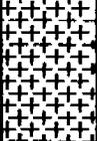
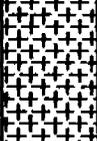
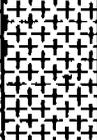


Depth	Visual %	Lith	Drilling Time Scale: min	Sample Type and Interval	Lithologic Description
50	++++VVVVV//		15	Cuttings (continued)	
55	VVVVV++++//		8		
60	VVV++++E//		27		
65	++++VVVV//E		47		
70	++++VVVV//		10		
75	++++VVV//		26		
80	++++VVVV//		31		80'-95' Clay-bearing interval present. Clay is moderate reddish brown (10R 4/6) in color.
85	VVVV++++//E		3		
90	VVVV++++//E		3		
95	VVVV++++//E		3		95'-110' Caliche-bearing interval present. Caliche occurs as discrete cuttings and as coatings on other cuttings.
100	++++VVVV○○E//		3		95'-100' Clay-bearing interval is present. Clay is light brown (5YR 6/4) in color.
105	++++VVVV//○		3		105'-110' Clay-bearing interval is present. Clay is light brown (5YR 6/4) in color.
110	++++VVV//○		3		
115	++++VVVV//E		3		

Depth	Visual X	Lith	Drilling Time Scale: min	Sample Type and Interval	Lithologic Description
115			3	Cuttings (continued)	
120			3		
125			2		125'-150' Clay-bearing interval is present. Clay is light brown (5YR 6/4) in color from 125' to 135' and moderate brown (5YR 4/4) in color from 135'-150'.
130			6		
135			4		
140			4		
145			4		
150			8		
155			4		
160			4		
165			5		165'-180' Clay-bearing interval is present. Clay is moderate brown (5YR 4/4) in color from 165' to 175' and light brown (5YR 6/4) in color from 175'-180'.
170			5		
175			5		
180			5		

Depth	Visual %	Lith	Drilling Time Scale: min	Sample Type and Interval	Lithologic Description
180	VVVV=		5	Cuttings (continued)	
185	VVVVV		4		
190	VVVVV		4		
195	VVVVV		4		
200	VVVVV		21		
205	VVVVV		4		205'-225' Amount of rhyolite cuttings increases to approximately 10% of entire sample.
210	VVVVV+ +		3		
215	VVVVV+ + =		3		
220	VVVVV+ + =		12		220'-224' Caliche-bearing interval present. Caliche occurs as discrete cuttings and as coatings on other cuttings.
225	VVVVV+ +		14		224'-311' <u>Oregon Andesite</u> : Sample is blackish red (5R 2/2) to very dusky red purple (5RP 2/2) in color; cuttings of andesite range in size from much less than 0.1 inches to 0.5 inches and are subangular to angular and well sorted. Massive, porphyritic andesite. Phenocrysts are stained a moderate red (5R 5/4) between 224' and 230'. Phenocrysts are euhedral, fine-grained, white (N9) to colorless plagioclase. White (N9) to colorless calcite fills fractures (less than 0.1 inches wide) in andesite and occurs as discrete cuttings throughout the andesite. Calcite cuttings are probably derived from fractures (larger than 0.1 to 0.2 inches) which occur in the andesite. Andesite becomes very hard between 270' and 275' (penetration rates are very slow).
230	VVVVVVVVVVV		10		
235	VVVVVVVVVVV		28		
240	VVVVVVVVVVV		32		
245	VVVVVVVVVVV		30		224'-270' Average size of andesite cuttings is 0.25 inches.

Depth	Visual %	Lith	Drilling Time Scale: min	Sample Type and Interval	Lithologic Description
				Cuttings (continued)	
245	VVVVVVVVVVVVVV		30		
250	VVVVVVVVVVVVVV		56		
255	VVVVVVVVVVVVVV		46		
260	VVVVVVVVVVVVVV		26		
265	VVVVVVVVVVVVVV		19		
270	VVVVVVVVVVVVVV		21		270'-311' Penetration rates are extremely slow.
275	VVVVVVVVVVVVVV		49		270'-275' Bimodal distribution of average cutting size of andesite: 0.1 inches and much less than 0.1 inches (a fine- to very fine-grained sand in size).
280	VVVVVVVVVVVVVV		68		275'-285' Average size of andesite cuttings is much less than 0.1 inches (a fine- to very fine-grained sand in size).
285	VVVVVVVVVVVVVV		66		285'-290' Average size of andesite cuttings increases to 0.3 inches.
290	VVVVVVVVVVVVVV		71		290'-310' Bimodal distribution of average size of andesite cuttings: 0.2 inches and much less than 0.1 inches (a fine- to a very fine-grained sand in size).
295	VVVVVVVVVVVVVV		63		
300	VVVVVVVVVVVVVV		58		
305	VVVVVVVVVVVVVV		62		
310	VVVVVVVVVVVVVV		64		Total Depth = 311'