

2. PETROGRAPHIC DESCRIPTIONS

.. Chat 1 Well, 3104 m.

Petrographic Summary: Basalt, holocrystalline and intergranular shows a variation in plagioclase composition to andesine:labradorite limits and a very variable state of freshness, many fragments showing strong chloritisation. Other fragments present - up to 8 vol.% are contaminants that are mixed-in overlying cuttings.

<u>Mineralogy (vol.%)</u>	<u>Fragments</u>	<u>Mineralogy</u>
<u>Fragments</u>		
1) <u>Fresh basalt (to chlorite 10 v%)</u>	54	-
Augite		20
Plagioclase		-
Magnetite		68
Chlorite		7
		~5
2) <u>Strongly chloritised basalt</u>	24	
Plagioclase		40
Chlorite		55
Carbonate		2
Limonite/leucoxene		3
3) <u>Chlorite (totally chlorite)</u>	4	
Or <u>+</u> leucoxene (to 30 v%)		
<u>+</u> carbonate (to 30 v%)		
4) <u>Illite</u>	2	
5) <u>Carbonate</u>	1	
6) <u>Quartz</u>	2	
7) <u>Banded iron?</u>		
Limonite		20
Chert		60
Chlorite		20
8) <u>Iron oxides</u>	4	
9) <u>Wacke</u>	2	vary
Quartz		15-20
Clays		80-75
Iron oxides		5