102103

HOLE NO. : HP37
STATE : TAS

GOLD FIELDS EXPLORATION PTY. LIMITED

DRILL CORE RECORD

DEV. PRESS

PROJECT	TYNDALL
DESIGNED BY	A.J.CARTWRIGHT
LOGGED BY	A.J.CARTWRIGHT
COMMENCED	24.11.87
COMPLETED	14.12.87

PURPOSE

To test for a possible northern extension of the Henty gold mineralisation at the 2500mRL.

LOG SUMMARY

A weakly-moderately altered sequence of volcaniclastics was found in the Henty Fault footwall, but these were not significantly silicified or sulphidic.

GENERAL COMMENTS

ASSAY SUMMARY

INTERVAL From	INTERVAL To													COMMENTS

LOCATION

NORTHING	5364774.4
EASTING	380148.2
R.L.	2618.9
GRID	AMG
LENGTH	331.1

HOLE CONDITION

SIZE Hole Size	SIZE Depth
HQ	0.0-216.7
NQ	216.7-331.1

SIGNIFICANT CORE LOSS INTERVALS From	To	% Lost
0.0	16.6	38
193.2	232.6	13

POOR GROUND CONDITION ZONES From	To	Condition
0.0	16.6	Weathered hanging wall rocks
193.2	232.6	Henty Fault. Mylonitic and
		highly fractured volcanics.

HOLE CONDITIONS AFTER COMPLETION

Hole making water at 86.3m.
All rods removed and a hole marker left in the collar. 30m of HQ casing remains in the hole (186.7-216.7) cut at 186.7m.

SURVEY DATA (Note: Bearing type must be same as Project Grid Type)

SURVEY Depth	SURVEY Bearing	SURVEY Dip	INTERVAL From	INTERVAL To	INTERVAL Distance	VERTICAL D.Sin.Dip	VERTICAL R.L.	HORIZONTAL D.Cos.Dip	HORIZONTAL Prog.Total	SURVEY Depth	SURVEY Bearing	SURVEY Dip	INTERVAL From	INTERVAL To	INTERVAL Distance	VERTICAL D.Sin.Dip	VERTICAL R.L.	HORIZONTAL D.Cos.Dip	HORIZONTAL Prog.Total
0.0	091	62.0	0.0	15.0	15.0	12.4	2606.5	7.0	7.0										
30.0	091	59.5	15.0	45.0	30.0	24.1	2582.4	15.2	22.3										
60.0	089	57.0	45.0	75.0	30.0	23.4	2558.9	16.3	38.6										
90.0	086	50.0	75.0	105.0	30.0	21.2	2537.7	19.3	57.9										
120.0	085	45.0	105.0	135.0	30.0	19.5	2518.3	21.2	79.1										
150.0	083	40.5	135.0	165.0	30.0	17.8	2500.4	22.8	101.9										
180.0	083	36.0	165.0	195.0	30.0	16.1	2484.4	24.3	126.2										
210.0	085	36.0	195.0	225.0	30.0	16.1	2468.3	24.3	150.5										
240.0	-	36.0	225.0	255.0	30.0	16.1	2452.2	24.3	174.7										
270.0	086	36.0	255.0	285.0	30.0	16.1	2436.1	24.3	199.0										
300.0	084	31.5	285.0	315.0	30.0	14.2	2421.9	25.6	224.6										
330.0	082	27.0	315.0	331.1	16.1	6.6	2415.3	14.3	238.9										

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DRILL CORE LOG AND ASSAY DATA

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INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA Sample No.	From	To	Rec. %
				SUMMARISED LOG				PG1
0.0	193.2	185.0	96	MEDIUM GRAINED VOLCANICLASTICS WITH MINOR FINE GRAINED		0.0	16.6	HWMT
				LENSES OF EPICLASTICS CUT BY A SERIES OF THIN MAFIC		16.6	193.2	HWMW
				DYKES. BECOMES SERICITIC AND FRACTURED WITH DEPTH.				
193.2	232.6	34.1	87	HENTY FAULT. MYLONITIC VOLCANICLASTICS, HIGHLY		193.2	200.0	FTMY
				FRACTURED, SEMI-CONSOLIDATED, CLAYEY CRUSHED ZONES		200.0	232.6	FTCS
				AND SOFT, HIGHLY FRACTURED, STRONGLY ALTERED VOLCANIC				
				ROCKS.				
232.6	278.0	45.4	100	MODERATELY STRONGLY ALTERED MEDIUM GRAINED		232.6	278.0	FWAS
				VOLCANICLASTICS. IN GENERAL NO STRONG SILICIFICATION				
				OR SULPHIDES ARE DEVELOPED.				
278.0	331.1	53.1	100	WEAK TO UNALTERED COARSE GRAINED VOLCANICLASTICS		278.0	331.1	FWAW
				STRONGLY QUARTZ PHYRIC.				
				DETAILED LOG				
				0.0-193.2 MEDIUM GRAINED VOLCANICLASTICS WITH				
				MINOR EPICLASTICS CUT BY THIN MAFIC DYKES.				
0.0	3.0			Tricone, no core recovered.				
3.0	16.6	8.4	62	Moderately-weakly weathered medium grained felsic-				
				intermediate volcaniclastics. Pale brown limonite				
				occurs pervasively throughout the rock.				
16.6	193.2	175.6	100	Pink-green medium grained feldspar phyric volcaniclastics.				
				Strongly foliated at 60°CA, and weakly fractured.				
				Minor, fine grained epiclastics are present and the				
				sequence is cut by several, thin, fine grained mafic				
				dykes. The rock is metamorphosed to a chlorite-				
				hematite-sericite-quartz assemblage. Metamorphic				

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DRILL CORE LOG AND ASSAY DATA

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INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA Sample No.	From	To	Rec. %
				quartz veins also cut the sequence - thick bladed				
				quartz-chlorite veins, and quartz veinlets are common				
			—	in the mafic dykes. Overall the core is weakly altered,				
				with a weakly developed pale sericite pervasive				
				throughout.				
				Between 87.0 and 99.0, the core is strongly				
				sericitic, weakly fractured and very strongly foliated				
				at 60° CA.				
				Below 165.0, the foliation is around 90°CA, having				
				increased from 60°CA at 100.0m, down to this depth.				
				The core is also moderately strongly fractured from				
				165.0 to the end of the sequence.				
				193.2-232.6 HENTY FAULT. MYLONITIC VOLCANICLASTICS				
				WITH CRUSHED ZONES AND STRONGLY ALTERED VOLCANICS.				
193.2	197.0	3.3	87	Pink-green, strongly sericitic mylonite. These rocks				
				are the volcaniclastics above, strongly altered to				
				sericite and then highly sheared and fractured.				
				The foliation runs at 90°CA, except where it is kink-				
				banded.				
197.0	200.0	2.8	93	Highly fractured, semi-consolidated soft rock fragments				
				and clays. A dark clayey material occurs in this				
				sequence - a possible black shale unit.				
200.0	232.6	28.0	86	Strongly altered pink-pale grey volcanics, generally				
				softish and highly fractured, with inter-calated zones				
				of crushed, semi-consolidated material as above.				
				Lengths of intact (relatively) core around 0.5-1.0m				
				are separated by 0.2-0.5m strongly fractured zones.				
				The core is cut by numerous irregularly oriented				
				sericite veinlets.				

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INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA Sample No.	From	To	Rec. %
				232.6-278.0 MODERATELY ALTERED, MEDIUM GRAINED VOLCANICLASTICS.				
232.6	278.0	45.4	100	Pale green-grey-pink medium grained, moderately strongly altered volcaniclastics. The core consists of minor coarse siliceous fragments in a fine grained, matrix and a majority of finer grained banded volcaniclastics. This is altered to a silica-sericite-carbonate assemblage. The core is dominantly sericitic-pervasively developed with bright green sericite occurring on fracture surfaces. Minor silicification occurs in patches and a network of irregular quartz and carbonate veins cuts the sequence. The rock is moderately-strongly fractured overall and very weakly foliated. In patches, very weak pyrite is developed, less than 1-2% by vol. overall. This unit grades into the ore below.				
				278.0-331.1 WEAKLY-UNALTERED COARSE GRAINED QUARTZ PHYRIC VOLCANICLASTICS.				
278.0	331.1	53.1	100	Coarse grained quartz phyric volcaniclastics. Weakly to unaltered pink-grey volcaniclastics. A weak sericite-hematite-chlorite-silica metamorphism/ alteration overprints the rock which is weakly fractured and very weakly foliated. Between 278.0 and 290.4 the core is very strongly fractured.				
				END OF HOLE 331.1m.				