102122

GOLD FIELDS EXPLORATION PTY. LIMITED

DRILL CORE RECORD

HOLE NO.	HP40
STATE	TAS

ULV. PRESS

PROJECT	TYNDALL
DESIGNED BY	A.J.CARTWRIGHT
LOGGED BY	A.J.CARTWRIGHT
COMMENCED	8th Feb.1988
COMPLETED	16th Feb.1988

PURPOSE

To test for rock conditions around the proposed Henty Decline.

LOG SUMMARY

GENERAL COMMENTS

The hole ended in highly fractured Newton Creek Sandstone (from 13.4 to 58.4). A particularly strongly fractured zone occurs between 13.4m-28.7m, ending on a puggy, clay filled fault.

ASSAY SUMMARY

INTERVAL From	INTERVAL To													COMMENTS

LOCATION

NORTHING	363901.7
EASTING	380207.1
R.L.	2604.7
GRID	AMG
LENGTH	58.4

HOLE CONDITION

SIZE	
Hole Size	Depth
HW	0.0-4.0
HQ	4.0-58.4

SIGNIFICANT CORE LOSS INTERVALS		
From	To	% Lost
13.4	32.6	16

POOR GROUND CONDITION ZONES		
From	To	Condition
13.4	32.6	Strongly fractured
		Newton Creek Sandstone.

HOLE CONDITIONS AFTER COMPLETION

All casing and rods removed.
Collar marker in place.

Lost water return between 13.4m and 28.7m.

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

SURVEY			INTERVAL			VERTICAL		HORIZONTAL		SURVEY			INTERVAL			VERTICAL		HORIZONTAL	
Depth	Bearing	Dip	From	To	Distance	D.Sin.Dip	R.L.	D.Cos.Dip	Prog.Total	Depth	Bearing	Dip	From	To	Distance	D.Sin.Dip	R.L.	D.Cos.Dip	Prog.Total
0.0	072	44.0	0.0	15.0	15.0	10.4	2594.3	10.8	10.8										
30.0	076	43.0	15.0	44.0	29.0	19.8	2574.5	21.2	32.0										
58.0	077	41.0	44.0	58.4	14.4	9.5	2565.0	10.9	42.9										

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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				
0.0	13.4	12.2	91	WEAKLY WEATHERED, GRITTY VOLCANICS-RICH CONGLOMERATE. MODERATELY FRACTURED JUKES BRECCIA.				
13.4	58.4	41.4	92	NEWTON CREEK SANDSTONE. INTERBEDDED SILICEOUS PEBBLE CONGLOMERATE AND DARK FISSILE SHALES WITH MINOR LENSES OF INFAULTED? JUKES BRECCIA. OVERALL STRONGLY FRACTURED AND VERY SLIGHTLY WEATHERED INITIALLY.				
				DETAILED LOG				
				0.0-13.4 WEAKLY WEATHERED GRITTY, SERICITIC VOLCANICS BEARING CONGLOMERATE. MODERATELY FRACTURED.				
0.0	4.0			Tricone, no core recovered.				
4.0	13.4	8.6	91	Weakly weathered pale grey-green gritty conglomerate. Weak sericite occurs throughout the unit which is unfoliated/weakly foliated and moderately fractured. Most of the clasts are sub-rounded, elongate sericitic volcanics. Pale brown limonite occurs on a few fractures.				
				13.4-58.4 INTERBEDDED SILICEOUS PEBBLE CONGLOMERATES, DARK FISSILE SHALES AND MINOR VOLCANICLASTICS. STRONGLY FRACTURED.				
13.4	32.6	16.1	84	Very weakly weathered green shales, white-grey conglomerates and green-grey gritty volcaniclastics. This unit consists of green, fissile, very fine grained foliated shales from 13.4 to 18.0; coarse grained siliceous pebble conglomerates and siliceous fine grained sediments from 18.0 to 28.7; and gritty finer conglomerates as in the unit above, between 29.2 and 32.6. Minor orange/brown limonite coats				

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INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA			
From	To	m	%		Sample No.	From	To	Rec. %
				several fractures throughout this unit. From 13.4 to				
				28.7, the core is very highly fractured; the fissile				
				shales are soft, crumbly and in places completely				
				unconsolidated; the conglomerates are rubbly, 1-5cm				
				blocks and angular, hard fragments - also un-semi-				
				consolidated. A puggy fault zone occurs at 28.5-28.7m.				
32.6	58.4	25.3	98	Unweathered gritty conglomerates in the end of the				
				previous unit continue in this unit to 34.6, where a				
				1.5m thick dark grey, moderately strongly fractured				
				fine grained shale sequence occurs. At 36.1 a 4.0m				
				thick, weakly fractured, pale grey, siliceous				
				conglomerate occurs. This is underlain by further				
				dark grey fissile shale, which is moderately-strongly				
				fractured-parallel to foliation at 60°CA. At 44.3,				
				within this shale, a 1.0m thick siliceous conglomerate				
				occurs and at 57.4, another 1.0m thick conglomerate				
				underlies the shale. These conglomerates are weakly				
				fractured and unfoliated.				
				END OF HOLE 58.4.				