102125

GOLD FIELDS EXPLORATION PTY. LIMITED

DRILL CORE RECORD

HOLE NO.	HP41
STATE	TAS

PROJECT	TYNDALL
DESIGNED BY	A.J.CARTWRIGHT
LOGGED BY	A.J.CARTWRIGHT
COMMENCED	17th Feb.1988
COMPLETED	24th Feb. 1988

PURPOSE

To test for rock conditions around the proposed Henty Decline.

LOG SUMMARY	A strongly fractured Newton Creek Sandstone sequence is underlain, possibly faulted against moderately sericitic unfractured Jukes Breccia.
GENERAL COMMENTS	

ASSAY SUMMARY

INTERVAL From	INTERVAL To													COMMENTS

LOCATION

NORTHING	5363 955.1
EASTING	380216.4
R.L.	2606.7
GRID	AMG
LENGTH	81.4

HOLE CONDITION

SIZE Hole Size	SIZE Depth
HW	0.0-4.0
HQ	4.0-81.4

SIGNIFICANT CORE LOSS INTERVALS From	To	% Lost

POOR GROUND CONDITION ZONES From	To	Condition
4.4	54.5	Strongly fractured
		Newton Creek Sandstone.

HOLE CONDITIONS AFTER COMPLETION

Hole making water at 54.5m, on the Jukes Breccia/Newton Creek Sandstone contact.
All rods and casing removed from hole. A collar marker is in place.

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	090	44.0	0.0	15.0	15.0	10.4	2596.3	10.8	10.8										
30.0	-	-	15.0	45.0	30.0	20.6	2575.7	21.9	32.7										
60.0	090	42.5	45.0	70.0	25.0	16.9	2558.8	18.4	51.1										
80.0	090	42.0	70.0	81.4	11.4	7.6	2551.2	8.5	59.6										

GOLD FIELDS EXPLORATION PTY. LIMITED

102120

PROJECT: TYNDALL

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: HP41 Page: 1

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA Sample No.	From	To	Rec. %
				SUMMARISED LOG				
0.0	4.4	4.4	100	JUKES BRECCIA. PALE GREY GRITTY VOLCANIC RICH CONGLOMERATE.				
4.4	54.4	47.9	96	NEWTON CREEK SANDSTONE WITH LENSES OF JUKES BRECCIA. DARK FISSILE SHALES INTERBEDDED WITH SILICEOUS CONGLOMERATES AND GRITTY VOLCANICLASTICS. MODERATELY-STRONGLY FRACTURED.				
54.5	81.4	26.9	100	MODERATELY ALTERED JUKES BRECCIA. UNFRACTURED GRITTY VOLCANICLASTICS.				
				DETAILED LOG.				
				0.0-4.4 STRONGLY FRACTURED VOLCANIC RICH GRITTY CONGLOMERATE.				
0.0	4.0			*Tricone, no core recovered.*				
4.0	4.4	0.4	100	Pale grey gritty conglomerate. Well fractured, weakly weathered and weakly foliated, with clasts of sericitic volcanics.				
				4.4-54.5 INTERBEDDED SILICEOUS PEBBLE CONGLOMERATES, DARK FISSILE SHALES AND GRITTY VOLCANICLASTICS.				
4.4	15.6	10.6	95	Coarse, siliceous pebble conglomerate. Rounded and subrounded clasts of quartzite and siliceous volcanics, with a few lenses of fine shale. The core is highly fractured down to 8.1m, where it becomes weakly fractured. No foliation occurs.				
15.6	24.7	8.8	97	Coarse, gritty volcaniclastic breccia. Numerous irregular shaped and sized volcanic clasts occur in a gritty volcaniclastic matrix. The core is weakly				

GOLD FIELDS EXPLORATION PTY. LIMITED

PROJECT: TYNDALL

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: HP41 Page: 2

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA Sample No.	From	To	Rec. %
				altered to sericite, weakly fractured (with a few limonite coated fracture surfaces) and is very weakly foliated at 45°CA.				
24.7	27.7	3.0	100	Fine grained, weakly foliated interbedded shales and fine sandstones. Bedding is at 45°CA and the beds are 5-10cm thick. The core is very weakly fractured.				
27.7	31.5	3.8	100	Pale brown-grey gritty volcaniclastic conglomerates as in the unit before last. The core is moderately fractured and contains clasts of pebble sized, rounded quartzite as well as the more abundant volcanics. Weakly (very) foliated at 45°CA.				
31.5	35.3	3.8	100	Coarse grained, clast rich siliceous pebble conglomerate. Rounded quartzite fragments occur scattered thickly throughout a sandstone-siliceous matrix. The rock is very weakly fractured and unfoliated.				
35.3	51.5	15.2	94	Dark grey-black very fine grained shale. Moderately fissile and moderately-strongly fractured, with a well developed foliation at 45°CA. A few irregular quartz veinlets occur as do a few narrow (0.2-0.3m wide) very strongly fractured zones. From 48.0 down to 51.0, the core is a siliceous pebble conglomerate, moderately fractured, with large quartzite fragments in a quartz sandstone matrix. Within this conglomerate, minor, thin black shale lenses are present.				
51.5	54.5	2.7	90	Pale grey-green fine grained, massive quartz sandstone. The rock is moderately fractured and is cut by several quartz veins.				
				54.5-81.4 MODERATELY ALTERED VOLCANIC-RICH BRECCIA-CONGLOMERATES. UNFRACTURED.				

GOLD FIELDS EXPLORATION PTY. LIMITED

PROJECT: TYNDALL

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: HP41

INTERVAL		RECOVERY		DESCRIPTION
From	To	m	%	
54.5	81.4	26.9	100	Pale green-grey coarse-gritty volcaniclastic conglomerate. Several large (10-15cm across) felsic volcanic clasts (mainly lavas) and smaller volcaniclasts down to grit sized occur in a fine grained sericite-silica matrix. The core is un to weakly fractured and is moderately strongly altered to a sericite-silica-chlorite assemblage. Disseminated fine grained pyrite occurs scattered throughout this unit - overall sulphide level is low, around 1% by vol. The core is weakly foliated at 45° CA. Below 77.0, a few lenses of fine grained epiclastics - fine sandstones occur - up to 0.5m thick with bedding at 45°CA. END OF HOLE 81.4m.

ASSAY DATA			
Sample No.	From	To	Rec. %