GOLD FIELDS EXPLORATION PTY. LIMITED

DRILL CORE RECORD

491040

HOLE NO. : G.P. 3
STATE : TASMANIA

DLV. PRESS

PROJECT	GRAND PRIZE
DESIGNED BY	P. ROBERTS
LOGGED BY	P. KOMYSHAN
COMMENCED	14-10-82
COMPLETED	16-10-82

PURPOSE

TO TEST MINERALIZATION WITHIN THE RED LEAD CONGLOMERATE AT THE UNIT'S CONTACT WITH THE GRAND PRIZE FAULT.

LOG SUMMARY

0 - 15.8m : Siltstones, conglomerates, grits of the Fernfields Formation.

15.8 - 45.0m : Siltstones and grits of the Brewery Junction Formation.

GENERAL COMMENTS

IMPREGNATED BIT USED
HOLE TERMINATED BECAUSE IT WAS COLLARED AT TOO SHALLOW AN ANGLE

ASSAY SUMMARY

INTERVAL From	INTERVAL To													COMMENTS
NOT ASSAYED														

LOCATION

NORTHING	14023.65
EASTING	13331.00
R.L.	2380.98m
GRID	RMG
LENGTH	45.0m

HOLE CONDITION

SIZE Hole Size	SIZE Depth
HW	0-6m
HQ	6-45.0m

SIGNIFICANT CORE LOSS INTERVALS From	To	% Lost

POOR GROUND CONDITION ZONES From	To	Condition

HOLE CONDITIONS AFTER COMPLETION

HOLE FILLED WITH CEMENT TO ALLOW REDRILLING AT A STEEPER ANGLE

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
0m	034°21'	-48°11'					2380.98m		
42.9m	035°	48°	0	21.4	21.4	15.90	2365.08m	14.32	14.32

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

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PROJECT: GRAND PRIZE

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: G.P. 3

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INTERVAL		RECOVERY		DESCRIPTION
From	To	m	%	
0	5.2m	5.2	100	Interbedded siltstones (70%), gritty sandstones (25%) and minor conglomerate (5%) - Fernfields Formation.
			+	Green to purple/green well bedded siltstones are interbedded with poorly sorted grits. Scouring of the siltstone beds by grits and graded bedding indicate an up hole facing. Conglomerate beds contain subrounded to angular fragments (0-5mm) of purple and green mudstone (60%) and milky quartz (40%). Coarser units are indurated with limonite staining. Micro joints and micro faults are also limonite stained possibly after sulphide.
				BCA at 0.5m : 30° (Talus block?)
				BCA at 2.5m : 55°
				BCA at 4.0m : 55°
5.2	9.0	2.3	61	Weathered conglomerate - Fernfields Formation.
				Weathered purple to brown poorly sorted conglomerate with sub-angular to subrounded, elongate fragments of purple, green and brown siltstones and very minor basic volcanics in a subordinate siltstone matrix (10%). Fragments vary from 0-10mm in size with a mean of 4mm.
9.0	10.5	1.5	100	Interbedded grits and siltstones - Fernfields Formation.
				A narrow unit between two conglomerate beds of green to brown interbedded grits, siltstones and fine grained conglomerate. Scouring at the base of conglomerate horizons indicates an uphole facing. Soft sediments deformation is evident at 10.5m. Large angular fragments of up to 10cms of bedded siltstones occur within a conglomerate matrix.
				BCA at 9.1m : 60°

ASSAY DATA			
Sample No.	From	To	Rec. %

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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. %
10.5	15.8	4.65	88	Conglomerate and grit- Fernfields Formation.				
				Dark green polymictic conglomerate and grit with fragments of variable size (3-70mm) and shape (angular to subrounded). Fragments consist of white quartz, green to purple siltstones and green sandstones. Limonite staining (after sulphide?) occurs within minor broken weathered sections.				
15.8	42.8	24.9	96	Siltstone (70%) and grit (30%)- Brewery Junction Formation.				
				Interbedded blue to green silstones and fine to medium grained grits with minor conglomerates. The siltstones are fine to coarsely laminated with some soft sediment deformation. Scouring of the siltstone by the coarser units and graded bedding indicates an uphole facing. Thin beds(up to 2mm) of syngenetic fine to medium grained pyrite become more frequent towards the base of the unit. Disseminated pyrite becomes prominent within limonite stained coarse grained grits (40.0 - 42.8m) and minor disseminated crystaline pyrite occurs within the siltstone.				
				Coarse grit to poorly sorted polymictic conglomerate horizons occurs at 25.9 - 27.0m and 29.0 - 29.5m. The fragments are subangular to subrounded (up to 8mm) consisting of green to white siltstones, sandstones and pink/white chert (?). Some micro faulting occurs with minor associated chlorite, pyrite and chalcopyrite veins.				
				Broken zone 36.2 - 37.6 m				
				BCA at 28.7m : 60°				
				BCA at 33.6m : 50°				
				BCA at 38.0m : 55°				
				BCA at 39.0m : 55°				
42.8	45.0	1.2	55	Conglomerate (55%), siltstone(45%)				
				Weathered, fractured and broken zone with extensive limonite staining. Core recovered consists of weathered brown to green				

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DRILL CORE LOG AND ASSAY DATA

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INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION
				gritty siltstone (45%) and conglomerate (55%) containing elongate
				subangular fragments (0-4mm, average 3mm) of white, green and
				pink siliceous chert? or vitric tuff?
				Possible minor fault
				END OF HOLE

ASSAY DATA Sample No.	From	To	Rec. %