076

555123

HOLE NO: RH14
STATE : TASMANIA

GOLD FIELDS EXPLORATION PTY. LIMITED

DRILL CORE RECORD

ULV. PRESS

PROJECT	Red Hills
DESIGNED BY	FitzGerald/Purvis
LOGGED BY	F.G. FitzGerald
COMMENCED	16-11-82
COMPLETED	19-11-82

PURPOSE

To test mineralization down dip to south from intersection in RH5 between intersections in RH8 and RH9.

LOG SUMMARY

0-101m EOH. Sequence of ignimbrites, mostly unmineralized.

GENERAL COMMENTS

Hole stopped short of target due to excess flattening.

ASSAY SUMMARY

INTERVAL From	INTERVAL To	COMMENTS
No core	Assayed	

LOCATION

NORTHING	5364877
EASTING	382124
R.L.	758.1
GRID	AMG
LENGTH	101.0m

HOLE CONDITION

SIZE Hole Size	SIZE Depth
HQ	3m
NQ	101m

SIGNIFICANT CORE LOSS INTERVALS From	To	% Lost
13.6	15.0	37

POOR GROUND CONDITION ZONES From	To	Condition

HOLE CONDITIONS AFTER COMPLETION

3m NX casing inserted and left in top of hole.

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

SURVEY Depth	Bearing	Dip	INTERVAL From	To	Distance	VERTICAL D.Sin.Dip	R.L.	HORIZONTAL D.Cos.Dip	Prog.Total	SURVEY Depth	Bearing	Dip	INTERVAL From	To	Distance	VERTICAL D.Sin.Dip	R.L.	HORIZONTAL D.Cos.Dip	Prog.Total
Collar	082.5°	-60°																	
33.2m	084°	-56°																	
63.2m	085°	-47°																	
99.2m	085.5°	-39°																	

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INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION
0.0	11.3	11.3	91	CRYSTAL TUFF (IGNIMBRITE?) Medium-coarse grained crystal rich pyroclastic, possible ignimbrite. Partial oxidation zone, where less weathered, green with minor orange (potassic altered) patches. Occasional subangular lithic clasts of cream coloured felsic lava (with relict feld. crys.) up to 3cm in size. Weathering and deformation have destroyed much of primary textures. Mod. cleavage devt. parallel to foliation defined by thin Fe + Mn ox. fracture fill e.g. 6.9m 32°/LCA. Some chlorite alteration. 7.6-7.8m strong carbonate alteration, elsewhere weak. Mineralization: trace disseminated py in less weathered zones.
11.3	28.2	16.9	97	MIXED PYROCLASTICS (IGNIMBRITES?) Predominantly fine grained fawn rock with streaky appearance due to pale orange and dark green bands from few mm to 1 cm thick. Minor zones 0.2-1.5m thick of coarser pyroclastics amongst the fine units feldspar crystals 2-6mm in sericitic groundmass. Contacts(?) between units appear sharp but this may reflect limit of oxidation which enhances the fabric. Probably part of rock unit above. Colour banding related to different alteration gives crude foliation e.g. 17.2m 45°/LCA. This may be primary but in general rock is fairly uniform and competent with little cleavage devt. Possible lithic clasts up to 1cm evident. Although no fiamme recognized it is likely that these rocks are series of ignimbrites. Alteration appears weak, some pervasive sericite, scattered cream carbonate patches and sweat out veins. Mineralization: Appears weakly mineralized: trace pyrite mainly fracture-fill or related to thin quartz veins. Very close spaced micro-fractures coated with Fe + Mn ox. sub parallel to crude foliation common in coarser units. 13.2-14.5m black metallic mineral blebs, non magnetic, unidentified.

ASSAY DATA Sample No.	From	To	Rec. %

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INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA Sample No.	From	To	Rec. %
28.2	55.1	26.9	100	WELDED IGNIMBRITE Uniform grey to fawn fine grained rock with minor bands of coarser pyroclastics 0.5-1.5m thick. Similar to rocks above. Generally uniform, hard and structureless rock. However a crude foliation devt. by microfrac. zone with up to 30% elongated cream carb. and thin dark streaks e.g. 31.3m 50°/LCA. Coarser bands e.g. 44.4-45.6m and 53.9-55.1m contain relict feld. frags up to 5mm and blocks felsic lava often brecciated, subrounded and up to 10cm in size. Moderate pervasive sericite alteration of groundmass.Carb. alteration of felds, some lithic clasts and as irregular patches. Minor quartz-carb. veins up to 15cm thick,barren. Mineralization Only trace py in darker "streaks" and minor black metallic min. (see above). Comment: Although no clear fiammé recognized suggest that dark streaks are relict vitric material in series of welded ignimbrites.				
55.1	82.5	27.4	96	COARSE PYROCLASTICS (IGNIMBRITE?) Predominantly dark green-grey coarse grained pyroclastic with minor bands of finer fawn coloured rock. Appears similar to above rock, perhaps less welded ignimbrites? Upper contact is 1cm clay pug (fault?). Other structures @ 55.7m 1cm shear zone; 68m 15cm fault pug and 69m 10cm fault pug and broken core. As above, crude foliation due to dark (relict elongated pumice?) and pale (sericitic) bands e.g. 62.4m 57°/LCA. Prominent fragmental appearance with: dark subrounded, often elongated clasts up to 3cm (typically 0.5-1cm) scattered feld. crys. 1-4mm often broken and less common pink felsic lava chips with angular sharp margins and 2-5cm. Stronger pervasive sericite/chlorite alteration than units above; resultant devt. mod. cleavage sub parallel to foliation. Patches, irregular "sweat out" and veinlet carbonate common. Lower contact marked by complex vein 7.5cm thick containing quartz-carbonate-chlorite-minor py-trace cpy.				

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INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION
				Part of this vein appears separated and enclosed in sericitic matrix of ignimbrite.
				Mineralization: Again rock virtually unmineralized apart from minor py in carb. veins, trace py in some felsic lava clasts, minor py in chloritic haloes around some lava clasts e.g. 78.7m, 81.3m .
				78.7m pink lava clasts 2-5cm diam. over 10cm zone have veinlets py with minor gn.
				82.0-82.5 quartz-carb.-chlorite vein with minor py,trace cpy.
82.5	101.0	18.5	95	COARSE PYROCLASTICS (IGNIMBRITE?)
				Similar coarse grained pyroclastics as above. Orange-fawn becoming grey-green from 93m on, mixed sequence as below:
				82.5-88.5m appears to be brecciated predominantly felsic lava clasts in cream sericitic matrix, some quartz-carb. veins.
				88.5-92.2m finer grained unit,mod-strong sericitic alteration mod. cleavage @ 75°-80°/LCA. 88.8m 10cm rubble core
				92.2-101m prominent lithic clasts, subangular-subrounded both dark and pale fine grained-possible relict pumice.Rough alignment ofclasts gives crude foliation e.g. 97.5m 75°/LCA.
				Minor pink lava clasts and pink (potassic altered?) feld.crys. Mod. sericitic alt., some quartz-carb.-chlorite veins.
				Mineralization All units either unmineralized or only trace py along fractures.
				Comment: Perhaps units are series of unwelded ignimbrites related to more welded flows intersected higher in hole.
				END OF HOLE.

ASSAY DATA Sample No.	From	To	Rec. %