102093

GOLD FIELDS EXPLORATION PTY. LIMITED

# DRILL CORE RECORD

HOLE NO. : HP34A
STATE : TAS

| | |
|---|---|
| PROJECT | TYNDALL |
| DESIGNED BY | A.J.CARTWRIGHT |
| LOGGED BY | A.J.CARTWRIGHT |
| COMMENCED | 27th Oct.1987 |
| COMPLETED | 31st Jan. 1988 |

PURPOSE: See HP34

LOG SUMMARY / GENERAL COMMENTS: HP34A was drilled off a casing wedge placed in HP34 at 121.7m. From 142.7m to 306.0m the hole was drilled with an NQ chrome barrel to control the flattening. At 342.0 the NQ became stuck in the Henty Fault and the hole reduced to BQ, drilling through the NQ barrel and bit. At 349.0 the BQ barrel snapped in the Fault and HP34A was stopped. The BQ rods were removed and the NQ was cut off at 324.0, leaving 18.0m of NQ + NQ barrel (between 324.0m-342.0m) and the broken BQ barrel (at 349.0m) in the hole.

## ASSAY SUMMARY

| INTERVAL From | INTERVAL To | | | | | | | | | | | | | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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## LOCATION

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| NORTHING | 5364356.0 |
| EASTING | 379 949.1 |
| R.L. | 2595.0 |
| GRID | AMG |
| LENGTH | 227.3 |

## HOLE CONDITION

| SIZE Hole Size | SIZE Depth | |
|---|---|---|
| NQ | 121.7-342 | 0 |
| BQ | 342.0-349 | 0 |
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| SIGNIFICANT CORE LOSS INTERVALS From | To | % Lost |
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| POOR GROUND CONDITION ZONES From | To | Condition |
|---|---|---|
| 300.6 | 348.0 | Henty Fault. Strongly fractured mylonitic-volcaniclastics and an unconsolidated clayey crushed zone. |
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HOLE CONDITIONS AFTER COMPLETION: HP34A was back filled to 291.0m, where a wooden plug was set in place. A Hall-Rowe wedge was positioned above this at 289.0m, and HP34B was drilled off HP34A, in NQ, at this depth.

## 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 |
|---|---|---|---|---|---|---|---|---|---|
| FROM | HP34 | | 121.7 | | | | 2485.6 | | 53.1 |
| 124.0 | - | 62.5 | 121.7 | 131.0 | 9.3 | 8.3 | 2477.4 | 4.3 | 57.4 |
| 142.0 | 091 | 60.0 | 131.0 | 152.5 | 21.5 | 18.6 | 2458.8 | 10.8 | 68.1 |
| 163.0 | 091 | 59.0 | 152.5 | 178.0 | 25.5 | 21.9 | 2436.9 | 13.1 | 81.3 |
| 193.0 | 090 | 58.0 | 178.0 | 208.0 | 30.0 | 25.4 | 2411.5 | 15.9 | 97.2 |
| 223.0 | 091 | 58.0 | 208.0 | 238.0 | 30.0 | 25.4 | 2386.0 | 15.9 | 113.1 |
| 253.0 | - | 56.5 | 238.0 | 268.0 | 30.0 | 25.0 | 2361.0 | 16.6 | 129.6 |
| 283.0 | 092 | 56.0 | 268.0 | 349.0 | 81.0 | 67.2 | 2293.9 | 45.3 | 174.9 |
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| 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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102094

GOLD FIELDS EXPLORATION PTY. LIMITED

PROJECT: TYNDALL

# DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: HP34A Page: 1

| INTERVAL From | INTERVAL To | RECOVERY m | RECOVERY % | DESCRIPTION | ASSAY DATA Sample No. | From | To | Rec. % |
|---|---|---|---|---|---|---|---|---|
| | | | | SUMMARISED LOG | | | | |
| 121.7 | 300.6 | 178.9 | 100 | MEDIUM GRAINED FELSIC VOLCANICLASTICS CUT BY NUMEROUS, THICK MAFIC DYKES. WITH INCREASING DEPTH, THE SEQUENCE BECOMES MORE FRACTURED, FOLIATED AND SERICITIC. | | | | |
| 300.6 | 349.0 | 47.7 | 98 | HENTY FAULT. WEAKLY MYLONITIC, STRONGLY FRACTURED SERICITIC VOLCANICLASTICS ARE UNDERLAIN BY A ZONE OF UNCONSOLIDATED SERICITIC ROCK FRAGMENTS AND CLAYS. | | | | |
| | | | | DETAILED LOG | | | | |
| | | | | 121.7-300.6 MEDIUM GRAINED FELSIC VOLCANICLASTICS CUT BY A SERIES OF THICK MAFIC DYKES. | | | | |
| 121.7 | 300.6 | 178.9 | 100 | Pink-green medium grained felsic volcaniclastics. Patches of coarse grained, angular, pebble sized felsic (porphyritic) lava fragments occur within a feldspar phyric gritty volcaniclastic sequence. The rock is weakly foliated at 45°CA. Numerous green, fine grained mafic dykes cut through the rock. These are usually 0.5-1.0m thick and are commonly quartz veined and quite foliated. Overall the core is weakly fractured and metamorphosed to a silica-chlorite-hematite assemblage. Between 199.0 and 207.0 a thick mafic dyke is present. Over the 4.0m below this, the core is strongly sericitic and fractured. A highly fractured zone occurs a little lower down, between 217.0 and 220.0. At 239.0, an 18.0m thick mafic dyke occurs. Below this, several more mafic dykes, all 3-10m thick are present. Also, the volcaniclastics are weakly sericitic and moderately foliated at around 45°CA. | | | | |

GOLD FIELDS EXPLORATION PTY. LIMITED

102095

PROJECT: TYNDALL

# DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: HP34A Page: 2

| INTERVAL From | INTERVAL To | RECOVERY m | RECOVERY % | DESCRIPTION | ASSAY DATA Sample No. | From | To | Rec. % |
|---|---|---|---|---|---|---|---|---|
| | | | | 300.6-349.0 HENTY FAULT. MYLONITIC, FRACTURED VOLCANICLASTICS AND A HIGHLY FRACTURED CRUSHED ZONE. | | | | |
| 300.6 | 341.0 | 40.0 | 99 | Strongly fractured and foliated sericitic volcaniclastics. The rocks exhibit a weak mylonitic schistosity and contain several metamorphic quartz veins. Both mafic dykes and the volcaniclastics are affected. At 329.5 the core becomes more sericitic and pale-coloured, with several soft zones developed down to the end of the unit. A few fine grained epiclastics occur in this sequence. From 338.0 to 341.0 the core is well fractured. | | | | |
| 341.0 | 349.0 | 7.7 | 95 | Completely fractured, unconsolidated sericitic rock fragments and clays. The rock is totally altered to sericite and the well developed foliation is visible even though the rock is completely shattered. The core is pale green-white in colour and no sulphides or silicification occurs. | | | | |
| | | | | END OF HOLE 349.0. | | | | |