102030

GOLD FIELDS EXPLORATION PTY. LIMITED

# DRILL CORE RECORD

HOLE NO.: HP34
STATE : TAS.

OLV. PRESS

| | |
|---|---|
| PROJECT | TYNDALL |
| DESIGNED BY | A.J.CARTWRIGHT |
| LOGGED BY | A.J.CARTWRIGHT |
| COMMENCED | 1.10.87 |
| COMPLETED | 26.10.87 |

**PURPOSE**

To test for extensions of the Henty mineralised zone north of and at depth from the current drilled area.

**LOG SUMMARY**

HP34 ended while still in the hanging wall rocks, short of the Henty Fault, due to excessive flattening in an unusually strongly sericitic-fractured-mafic dyke rich sequence.

**GENERAL COMMENTS**

## ASSAY SUMMARY

| INTERVAL From | INTERVAL To | | | | | | | | | | | | | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |

## LOCATION

| | |
|---|---|
| NORTHING | 5364356.0 |
| EASTING | 379949.1 |
| R.L. | 2595.0 |
| GRID | AMG |
| LENGTH | 284.0 |

## HOLE CONDITION

| SIZE Hole Size | SIZE Depth |
|---|---|
| HW | 0.0-10.0 |
| HQ | 10.0-284.0 |
| | |
| | |
| | |
| | |

| SIGNIFICANT CORE LOSS INTERVALS From | To | % Lost |
|---|---|---|
| 10.0 | 25.3 | 20 |
| | | |
| | | |
| | | |
| | | |
| | | |

| POOR GROUND CONDITION ZONES From | To | Condition |
|---|---|---|
| 0.0 | 66.0 | Variably but in places |
| | | strongly weathered hanging |
| | | wall rocks. |
| | | |
| | | |
| | | |

**HOLE CONDITIONS AFTER COMPLETION**

HP34 has been back filled and blocked with a wooden plug at 130m. A HQ casing wedge was placed above this at 121.7m and HP 34A was drilled off HP34 in NQ, at this depth, oriented down with an increased dip

## 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 | 66.0 | 0.0 | 19.0 | 19.0 | 17.4 | 2577.6 | 7.7 | 7.7 | | | | | | | | | | |
| 38.0 | 092 | 65.5 | 19.0 | 53.0 | 34.0 | 30.9 | 2546.7 | 14.1 | 21.8 | | | | | | | | | | |
| 68.0 | 094 | 64.0 | 53.0 | 92.0 | 39.0 | 35.1 | 2511.7 | 17.1 | 38.9 | | | | | | | | | | |
| 116.0 | 095 | 61.5 | 92.0 | 123.0 | 31.0 | 27.2 | 2484.4 | 14.8 | 53.7 | | | | | | | | | | |
| 130.0 | - | 60.0 | 123.0 | 137.5 | 14.5 | 12.6 | 2471.9 | 7.3 | 61.0 | | | | | | | | | | |
| 145.0 | - | 57.0 | 137.5 | 152.5 | 15.0 | 12.6 | 2459.3 | 8.2 | 69.1 | | | | | | | | | | |
| 160.0 | - | 53.0 | 152.5 | 168.0 | 15.5 | 12.4 | 2446.9 | 9.3 | 78.5 | | | | | | | | | | |
| 176.0 | 092 | 51.5 | 168.0 | 183.0 | 15.0 | 11.7 | 2435.2 | 9.3 | 87.8 | | | | | | | | | | |
| 190.0 | - | 50.0 | 183.0 | 202.0 | 19.0 | 14.6 | 2420.6 | 12.2 | 100.0 | | | | | | | | | | |
| 214.0 | - | 50.0 | 202.0 | 235.0 | 33.0 | 25.3 | 2395.3 | 21.2 | 121.2 | | | | | | | | | | |
| 256.0 | 091 | 47.5 | 235.0 | 284.0 | 49.0 | 36.1 | 2359.2 | 33.1 | 154.3 | | | | | | | | | | |
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PROJECT: TYNDALL

# DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: HP34 Page: 1

| INTERVAL From | INTERVAL To | RECOVERY m | RECOVERY % | DESCRIPTION |
|---|---|---|---|---|
| | | | | SUMMARISED LOG |
| 0.0 | 66.0 | 60.9 | 92 | WEATHERED, MEDIUM GRAINED VOLCANICLASTICS WITH PATCHES OF WELL DEVELOPED LIMONITE. MODERATELY WELL FRACTURED. |
| 66.0 | 284.0 | 218.0 | 100 | COARSE-MEDIUM GRAINED VOLCANICLASTICS BECOMING FINER GRAINED WITH DEPTH. A FEW AUTOBRECCIATED FELSIC LAVAS ARE PRESENT AND THE SEQUENCE IS CUT BY ABUNDANT MAFIC DYKES. MOST OF THE LOWER PART OF THIS UNIT IS WEAKLY SERICITIC AND MODERATELY WELL FRACTURED AND FOLIATED. |
| | | | | DETAILED LOG |
| | | | | 0.0-66.0 VARIABLY WEATHERED MEDIUM GRAINED, MODERATELY FRACTURED VOLCANICLASTICS. |
| 0.0 | 10.0 | | | Tricone, no core recovered. |
| 10.0 | 25.3 | 12.3 | 80 | Moderately weathered, highly fractured volcaniclastics. Brown limonite coats most fracture surfaces, and is developed pervasively through the rock in places. The core is soft and rubbly in patches. A sharp contact occurs below. |
| 25.3 | 38.5 | 13.2 | 100 | Green medium-fine grained volcaniclastics. Small, white, grit sized lithic fragments occur in a fine chloritic matrix. The rock is massive, unweathered (completely) and is weakly fractured. A few metamorphic quartz veins cut the sequence. Pink-red hematite occurs on some fractures. |
| 38.5 | 66.0 | 27.5 | 100 | Weakly weathered, brown-pink-green medium-coarse grained volcaniclastics. Moderately fractured with dark brown limonite coating many of the fracture surfaces. The rock is a coarser grained, lava fragment rich sequence, which is very weakly foliated at ☎30°CA. |

| ASSAY DATA Sample No | From | To | Rec. % |
|---|---|---|---|
| | | | PG1 |
| | 0.0 | 66.0 | HWNT |
| | 66.0 | 284.0 | HWMW |

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# DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: HP34 Page: 2

| INTERVAL From | INTERVAL To | RECOVERY m | RECOVERY % | DESCRIPTION | ASSAY DATA Sample No. | From | To | Rec. % |
|---|---|---|---|---|---|---|---|---|
| | | | | The weathering occurs in patches of stronger and weaker development. | | | | |
| | | | | 66.0-284.0 MEDIUM-FINE GRAINED VOLCANICLASTICS CUT BY ABUNDANT MAFIC DYKES. WELL FOLIATED, FRACTURED AND SERICITIC AT DEPTH. | | | | |
| 66.0 | 284.0 | 218.0 | 100 | Pink-grey-green, coarse-medium grained volcaniclastics. Numerous poorly sorted pink felsic lava fragments (angular) occur in a fine chloritic matrix. In places lenses of autobrecciated lava are present. The core is weakly fractured and foliated, veining (quartz) is rare and the sequence is cut by a series of thin, fine grained, mafic dykes. These are usually 2-3m wide, and occur every 5-10m. The volcaniclastics are metamorphosed to a quartz-hematite-chlorite assemblage with minor sericitic zones (usually with increased fracturing) and the dykes are very chloritic, sometimes sericitic and are cut by irregular quartz veins. Between 105.0 and 139.0, the mafic dykes are more frequent and thicker than usual, 3-4m thick and every 5m. At 165.0m a 10.0m thick dyke with minor inter-calated volcaniclastics, occurs. Between 196.0 and 218.0, the core, both dykes and volcaniclastics are very strongly fractured. At 234.0m, a continuous dyke with minor volcaniclastics runs strongly fractured and quartz-veined, down to 252.0m. The volcaniclastics below the fractured zone starting at 196.0m, are particularly fine grained and are moderately foliated at 50°CA. Below 269.0, to the end of the hole, the core is weakly sericitic, with foliation parallel sericitic veinlets developed. | | | | |
| | | | | END OF HOLE 284.0. | | | | |