

DRILL LOG

LOCATION: L84 N.E. 76 + 00S.E.

DATE STARTED: Jul y 10, 1964

DATE COMPLETED: July 11, 1964

TOTAL DEPTH: 112'

PROPERTY: Caley Property, Y.T.

HOLE NO: C -2

SHEET NO: 1

ELEVATION OF COLLAR: 2250
2210 } approx.
ELEVATION OF BOTTOM: 2100 }
BEARING: --- 2138
DIP: 90°

| GEOLOGICAL DESCRIPTION | FOOTAGE | REC. | TH. V. | FIBRE VEINS | | | | | | | | | | | | | | % SL. F. | % Mass F. | % Total F. | Vein Ang | % MAG | % PYR | Rock S | REMARKS (VEIN TYPE) |
|---|---------|------|--------|-------------|------|-----|-----|-----|-----|---|-----|-----|---|-------|-------|-------|-------|----------|-----------|------------|----------|-------|-------|--------|---------------------------|
| | | | | 1/32 | 1/16 | 1/8 | 1/4 | 1/2 | 3/4 | 1 | 5/8 | 3/4 | 1 | 1 1/8 | 1 1/4 | 1 1/2 | 1 3/4 | | | | | | | | |
| 0 - 13' Casing | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13' - 18' Core lost | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18' - 77' Serpentine, generally mottled, black-green. High Carbonate content, locally, approx. 30%. Carbonate crystals disseminated throughout serpentine. Carbonate in shears & fractures, some possible fiber vein replacement. Believed calcite or dolomite. Average carbonate content about 20%. Euhedral and anhedral grains of magnetite disseminated throughout serpentine. Magnetite content about 5%. Serpentine highly sheared & blocky, consequently core recovery low, about 30%. Fibre content is negligible. Some picrolite found in shear zones with slip fibre structure. | 20 - 25 | 4.5 | | | | | | | | | | | | | | | | .6 | | | | | | | Slip fibre in shear zone. |
| 18' - 21' Core very gritty. High carbonate content about 40%. Carbonate veins, possibly fibre replaced. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23.6 - 24.2' Almost pure carbonate. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 - 38' Much core lost. Recovery about 35%. Thread veins(fibre) present in interval 25 - 33, but as recovery is low, no count taken. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 - 42' Sheared and fractured, many thread veins of calcite replacement. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42' - Shear zone. Talc alteration. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42' - 74' Mottled serpentine. Dark green & black. Veins of replaced carbonate, maximum width 1/4". Many thread stringers, carbonate. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74' - 79' Gradational contact, serpentine to Quartz-carbonate. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77' - 112' (end of hole) Quartz-carbonate. High content carbonate (calcite or dolomite). Mottled appearance due to selective iron staining. Occasional remnant serpentine islands. Minor constituents. Mariposite, pyrolusite and magnetite. Core very blocky, and in places ground to grit. Recovery about 30%. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77' - 81' Remnant islands serpentine. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83.6' - 84.6' Core badly ground. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86' - 89' Quartz-carbonate highly weathered, brown iron stain. Core ground. | | | | | | | | | | | | | | | | | | | | | | | | | |

Few scattered thread veins

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|---|---------|------|--------|-------------|------|-----|------|-----|------|-----|------|-----|------|-----|-------|-----|-----|----------|-----------|------------|----------|-------|-------|--------|------------------------|
| | | | | 1/32 | 1/16 | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 | 9/16 | 5/8 | 11/16 | 3/4 | 7/8 | | | | | | | | |
| 94.4' - 97' Iron stain. Highly weathered. Somewhat porous. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 - 97.6' Blocky serpentine. Core not in place. Possibly caved from above. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99.6' - 101' Fracture zones contain weathered latite. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 102' - 112' Replaced calcite lenses appear lineated. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 107' - 108' Mariposite major constituent. Remnant islands serpentine. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112' - (End of hole). Hole discontinued because of water loss in rock. | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTE: 1. 102'-112' Lineated areas in part. Suggest replacement of schist complex. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. CASING PULLED. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. Casing one foot above surface | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. Possible FW elevation - 2108. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. Core Recovery:- by weighing of Sp Gr tests | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total core recovered x 100 (excludes casing) Measured length hole | | | | | | | | | | | | | | | | | | | | | | | | | |
| Overall recovery = 82% | | | | | | | | | | | | | | | | | | | | | | | | | |
| Disregarding 1st 30ft core = 98.4% | | | | | | | | | | | | | | | | | | | | | | | | | |