# DRILLING PROGRESS REPORT SORELL PENINSULA NODDY CK. Branch

182

Bore DHNC6

Location 40N 349E OFFSET 1.5S

Bearing 086° is the true bearing of the drill line.

Depression 45°

R. L. Collar 723' (interpolation)

Est. Total Depth 400'

Footage for Period

Report No. 823132

Period APRIL 1971

Operator A.D.D.

Unit F.30

Bit NQW/L STEP FACED

Barrel NQW/L

| Box | From | To | Int. | Core Rec'd. | % | Core in Dip | Feet | Description |
|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 10.9 | 10.9 | 1.0 | 9.2 | | 0 | Massive and sheared pale green serpentinite c disseminated stichtite and magnetite in veins. Minor talcose slip fibre 27.9 - 28.4. Dark serpentine/talc "vein" c folded micro-scale ribbon fibre fabric and irregular less than ¼" disseminations of a chocolate brown mineral. The "vein" margins are richer in this mineral. c.f. DHNC4 |
| | | 15.8 | 4.9 | 2.6 | 53.1 | | | |
| (1) | | 25.3 | 9.5 | 6.6 | 69.5 | | | |
| 38.0 | | 34.2 | 8.9 | 8.9 | 100 | | | |
| | | 41.0 | 6.8 | 4.9 | 72.1 | | | |
| (2) | | 47.7 | 6.7 | 6.7 | 100 | | | |
| | | 58.0 | 10.3 | 9.9 | 97.1 | | | |
| 63.0 | | 63.8 | 5.8 | 5.6 | 96.6 | | | |
| (3) | | 73.2 | 9.4 | 9.4 | 100 | | | |
| | | 83.8 | 10.6 | 10.6 | 100 | | | |
| 97.0 | | 90.2 | 6.4 | 5.6 | 87.5 | | 48.0 | 343.5 to 344.1. |
| (4) | | 100.6 | 10.4 | 10.4 | 100 | | 48.0 | Massive pale green serpentinite c disseminated stichtite and less magnetite than the previous interval. Minor slip fibre, perhaps 1%. 3" |
| 111.5 | | 110.0 | 9.4 | 9.4 | 100 | | | |
| | | 119.6 | 9.6 | 9.1 | 94.8 | | | |
| (5) | | 127.0 | 7.4 | 7.4 | 100 | | | |
| 138.0 | | 136.0 | 9.0 | 9.0 | 100 | | 80.0 | of thread/vein ribbon fibre at 71.2' |
| (6) | | 146.0 | 10.0 | 10.0 | 100 | | 80.0 | Massive and sheared pale green serpentinite c stichtite and magnetite and about 1% of soft talcose, sometimes flakey slip |
| 159.5 | | 156.0 | 10.0 | 10.0 | 100 | | | |
| | | 166.0 | 10.0 | 10.0 | 100 | | | |
| (7) | | 175.4 | 9.4 | 9.4 | 100 | | | |
| 183.5 | | 186.0 | 10.6 | 10.6 | 100 | | 169.0 | fibre. |
| | | 195.4 | 9.4 | 8.1 | 86.2 | | 169.0 | Deformed serpentinite, brecciated and folded serpentinite c magnetite, stichtite and soft brittle talcose |
| | | | | | | | 184.5 | slip fibre, about 1.5%. |
| | | | | | | | 184.5 | Slightly sheared pale green serpentinite c magnetite, stichtite and 1% slip fibre, soft brittle |
| | | | | | | | 194.5 | and talcose. |

Remarks:

Date 21/4/71

Logged by JOHN G. LANGLANDS

# DRILLING PROGRESS REPORT SORELL PENINSULA NODDY CK. Branch

Bore DHNC6 Report No. 823183

| Box | From | To | Int. | Core Rec'd. | % | Dip in Core | Feet | Description |
|---|---|---|---|---|---|---|---|---|
| 183.5 | 195.4 | 205.3 | 9.9 | 9.9 | 100 | | 194.5 | Sheared serpentinite pale, |
| (8) | | 212.0 | 6.7 | 6.7 | 100 | | 197.4 | becoming darker towards end. |
| 208.0 | | 222.0 | 10.0 | 10.0 | 100 | | 197.4 | Deep green slightly sheared serpentinite c magnetite and slip fibre, approx. 1%, soft, brittle |
| (9) | | 230.0 | 8.0 | 8.0 | 100 | | | |
| 232.5 | | 240.3 | 10.3 | 10.3 | 100 | | | |
| (10) | | 249.0 | 8.7 | 8.7 | 100 | | 203.8 | and talcose, miner stichtite. |
| 257.0 | | 256.0 | 7.0 | 7.0 | 100 | | 203.8 | Slightly sheared pale green serpentinite c magnetite, stichtite |
| (11) | | 266.0 | 10.0 | 10.0 | 100 | | | |
| 279.0 | | 276.0 | 10.0 | 9.2 | 92.0 | | | and less than 1% soft, brittle |
| | | 286.0 | 10.0 | 9.6 | 96.0 | | | talcose slip fibre. Fibrils are |
| (12) | | 296.0 | 10.0 | 10.0 | 100 | | 249.0 | ~~less~~ greater than 2" in some cases. |
| 305.0 | | 305.3 | 9.3 | 9.3 | 100 | | 249.0 | Sheared and slightly sheared serpentinite, deep green and dark |
| (13) | | 315.6 | 10.3 | 10.3 | 100 | | | |
| 329.0 | | 325.2 | 9.6 | 8.4 | 87.5 | | | green c magnetite in the more |
| | | 335.0 | 9.8 | 9.8 | 100 | | | sheared portions, stichtite |
| (14) | | 341.3 | 6.3 | 6.3 | 100 | | | throughout. |
| 351.5 | | 349.0 | 7.7 | 7.7 | 100 | | | Brittle talcy slip fibre less than |
| | | 356.6 | 7.6 | 6.7 | 88.1 | | | or equal to 1%, some good veins |
| (15) | | 362.0 | 5.4 | 4.9 | 90.7 | | | ½" wide of long slip fibre less |
| | | 367.3 | 5.3 | 4.5 | 84.9 | | | than 2". Contact between dark |
| 376.0 | | 372.0 | 4.7 | 4.7 | 100 | | | and paler serpentinite @ 20° to |
| | | 378.7 | 6.7 | 6.4 | 95.4 | | 313.5 | L.C.A. at 298'. |
| | | 386.0 | 7.3 | 5.9 | 80.7 | | 313.5 | Massive pale serpentinite c approx. 1% good slip fibre, stichtite, and |
| | | | | | | | 333.5 | magnetite in veins. |
| | | | | | | | 333.5 | Pale and dark sheared serpentinite c magnetite up to 5% locally in veins, stichtite throughout, good localised slip fibre but less |
| | | | | | | | 369.1 | than ½% overall. |
| | | | | | | | 369.1 | Lamprophyric dyke c biotite - phyric margins and a more siliceous |
| | | | | | | | 378.5 | central portion. Unsheared. |
| | | | | | | | 378.5 | Sheared serpentinite, dark, hard |
| | | | | | | | 386.0 | compact d secondary contortions. |

**Remarks:**

Date 21/4/71

Logged by JOHN G. LANGLANDS

# DRILLING PROGRESS REPORT SORELL PEN...

Bore DHNC6 Report No. 823184

| Box | From | To | Int. | Core Rec'd. | % | Dip in Core | Feet | Description |
|---|---|---|---|---|---|---|---|---|
| 184 | | | | | | | | |
| 3[illegible].0 | 386.0 | 391.8 | 5.8 | 3.2 | 55.2 | | 386.0 | Pale sheared serpentinite ō magnetite and minor stichtite |
| | | 395.8 | 4.0 | 2.9 | 72.6 | | | |
| [illegible]16) | | 399.8 | 4.0 | 3.5 | 87.5 | | 422.6 | and minor slip fibre. |
| 405.0 | | 403.7 | 3.9 | 2.7 | 69.4 | | 422.6 | Massive pale green serpentinite, |
| | | 408.5 | 3.8 | 3.8 | 100 | | | slightly sheared ō minor slip |
| (17) | | 412.8 | 4.3 | 4.3 | 100 | | | fibre and magnetite. Rare very |
| | | 419.0 | 6.2 | 5.3 | 85.5 | | 449.3 | minor stichtite. |
| 4[illegible]9.5 | | 426.0 | 7.0 | 6.9 | 98.5 | | 449.3 | Dark and pale sheared serpentinite |
| | | 436.0 | 10.0 | 10.0 | 100 | | | ō magnetite and less than 1% long |
| [illegible]18) | | 445.3 | 9.3 | 9.3 | 100 | | 455.0 | talcose slip fibre. |
| 453.0 | | 455.6 | 10.3 | 10.3 | 100 | | 455.0 | Massive and sheared pale green |
| [illegible]9) | | 465.4 | 9.8 | 9.8 | 100 | | | serpentinite ō less than 1% |
| 479.0 | | 475.5 | 10.1 | 10.1 | 100 | | | talcose slip fibre, magnetite in |
| | | 485.7 | 10.2 | 10.2 | 100 | | | veins and minor vein and |
| (20) | | 488.0 | 2.3 | 2.3 | 100 | | 498.0 | disseminated stichtite. |
| | | 496.0 | 8.0 | 8.0 | 100 | | 498.0 | Massive pale green serpentinite |
| 5[illegible].0 | | 498.3 | 2.3 | 2.3 | 100 | | | ō vein and disseminated magnetite, |
| | | 506.0 | 7.7 | 7.7 | 100 | | | minor disseminated stichtite and |
| [illegible]21) | | 516.0 | 10.0 | 10.0 | 100 | | | approx. ½% talcose slip fibre or |
| 523.5 | | 526.0 | 10.0 | 10.0 | 100 | | 512.5 | fibrous talc. |
| [illegible]22) | | 536.0 | 10.0 | 10.0 | 100 | | 512.5 | Slightly sheared and sheared |
| 547.0 | | 546.0 | 10.0 | 10.9 | 89.0 | | | serpentinite. Pale green and |
| [illegible]23) | | 555.0 | 9.0 | 9.0 | 100 | | | deep green ō disseminated and |
| | | 565.3 | 10.3 | 10.3 | 100 | | | vein magnetite, minor disseminated |
| 5[illegible]9.5 | | 575.5 | 10.2 | 10.2 | 100 | | | and vein stichtite and less than |
| [illegible]24) | | 585.5 | 10.0 | 10.0 | 100 | | 568.0 | 1% talcose slip fibre. |
| 593.0 | | 593.0 | 7.5 | 7.5 | 100 | | 568.0 | Slightly sheared pale green |
| [illegible]25) | | 600.0 | 7.0 | 7.0 | 100 | | | serpentinite ō minor disseminated |
| 600.0 | | | | | | | | and vein stichtite, vein and |
| | | | | | | | | disseminated magnetite and less |
| | | | | | | | 586.0 | than ½% talcose slip fibre. |
| | | | | | | | 586.0 | Pale green and dark green sheared |
| | | | | | | | | serpentinite and breccia with a |
| | | | | | | | | magnetite rich sheared matrix. |
| | | | | | | | | Less sheared portions and the |
| | | | | | | | | breccia clasts have disseminated |
| | | | | | | | | stichtite, less than ½% of talcose |
| | | | | | | | 600.0 | slip fibre. |

**Remarks:** Hole stopped at 600' - rig's recommended maximum N size capability after passing barren target zone.

NB. No fibre log sheet for this hole.

Date 24/4/71 Logged by JOHN G. LANGLANDS

# DRILLING PROGRESS REPORT SORELL PENINSULA

185

Bore DHNC6 Report No.

823185

| From | To | Int. | Core Rec'd. | % | Dip in Core | Description |
|---|---|---|---|---|---|---|
| | | | | | | **DIP TESTS** |
| | | | | | | 0' Unsuccessful, assume 45° |
| | | | | | | 200' No etched line |
| | | | | | | 400' 47½° |
| | | | | | | 600' 47° |
| | | | | | | Depth of hole = 600.0 feet. |
| | | | | | | Core recovered = 564.2 feet. |
| | | | | | | Overall recovery = 94% |

**Remarks:**

Date 3/5/71 Logged by JOHN G. LANGLANDS