OPEN FILE
DOSSIER PUBLIC
2110
GEOLOGICAL SURVEY
COMMISSION GÉOLOGIQUE
OTTAWA

Robertson
Research

Enclosure 26

CORE DESCRIPTION CHART

WELL

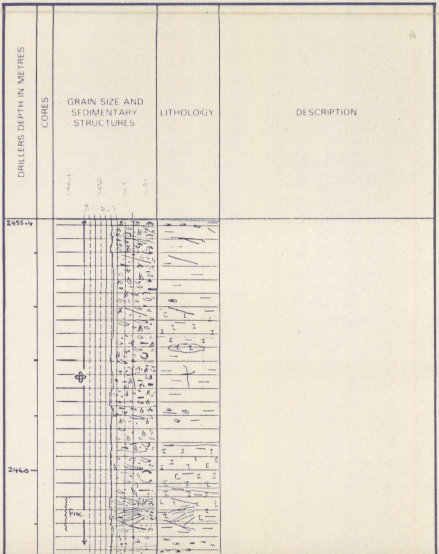
HIBERNIA J-34

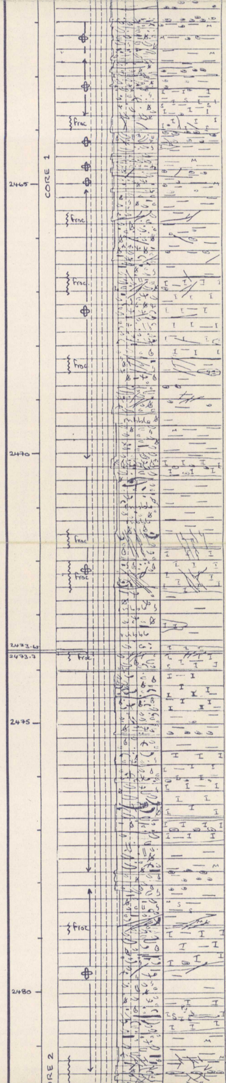
JEANNE D'ARC BASIN, EAST COAST CANADA

SCALE 1 : 50

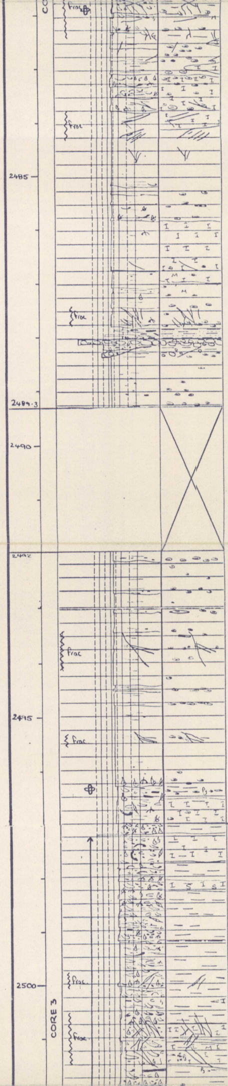
Authors: C. WYNN, A.J. WYNN

Department of Supply
and Services


DRILLERS DEPTH IN METRES
CORES
GRAIN SIZE AND SEDIMENTARY STRUCTURES
LITHOLOGY
DESCRIPTION
2455.4
2460
Frac.


CORE 1
2465
2470
2473.65
2473.7
2475
2480
ORE 2
Frac
Frac
Frac
Frac
Frac
Frac
Frac
Frac

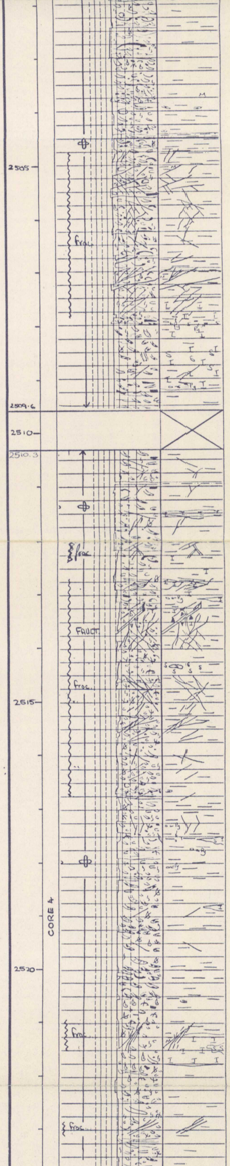
SANDSTONE: Pale yellowish brown to olive grey (oil-stained) to medium grey and pale grey (calcite cemented), very fine to fine grained, argillaceous and bioturbated, locally horizontally laminated, containing burrows, mudclasts, carbonaceous wood debris, bivalves, gastropods, calcareous worm tubes, brachiopods and indeterminate fossil fragments. Common closed fractures and concretionary calcite cements throughout.


frac
frac
2485
frac
2489.3
2490
2492
frac
2495
frac
2500
frac
frac
CORE 3

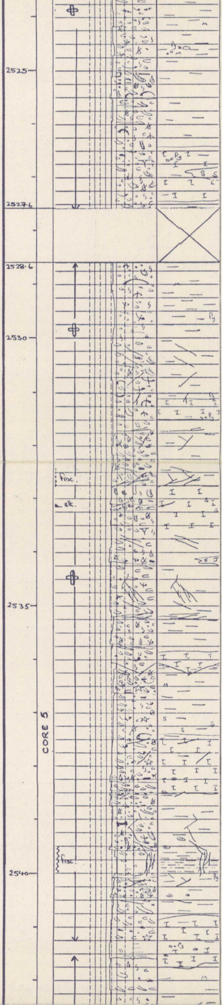
SANDSTONE: Moderate to pale yellowish brown (oil-stained) and pale grey (calcite cemented), very fine and fine grained, horizontally laminated, with current aligned bivalves, indeterminate fossil debris and mudclasts; interbedded with

CONGLOMERATE: Varicoloured with quartzose pebbles; interbedded with;

SHALE: Dark grey, silty and carbonaceous.

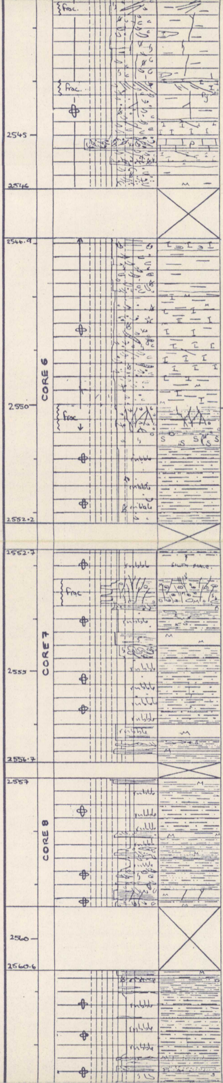

2505
frac.
2509.6
2510
2510.3
frac
FAULT
frac.
2515
CORE 4
2520
frac.
frac.

SANDSTONE: Pale yellowish brown (oil-stained) to olive grey and medium dark grey, very fine and fine grained, argillaceous and bioturbated, locally horizontally laminated, containing abundant burrows, mudclasts, carbonaceous wood fragments, bivalve, brachiopod, gastropod, calcareous worm tube and indeterminate fossil debris, common closed fractures and common concretionary calcite and siderite cements.


2525
2527.6
2528.6
2530
2535
2540
Frac.
slk.
Frac.
CORE 5
Py

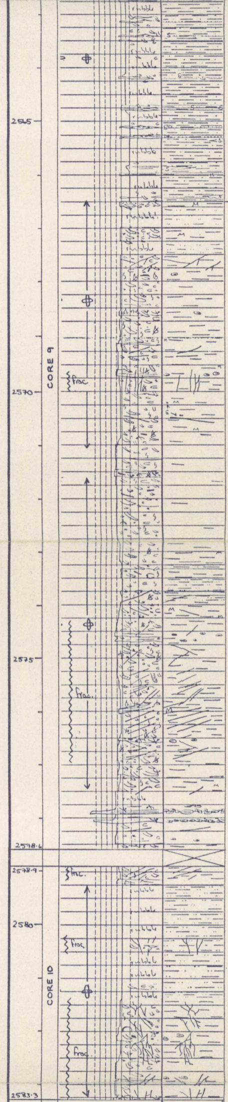
A small fault and breccia zone occurs at 2513.7m; interbedded with,

LIMESTONE: Pale grey, sandy skeletal packstone containing abundant gastropods, and common bivalve, indeterminate and carbonaceous wood fossil fragments. Calcite cemented.


frac.
frac.
2545
2546
2546.9
CORE 6
2550
frac
rubble
rubble
rubble
2552.2
2552.7
rubble
silty marl.
frac
rubble
CORE 7
2555
rubble
rubble
rubble
rubble
rubble
2556.7
2557
rubble
rubble
rubble
CORE 8
2560
2560.6
rubble
rubble
rubble

SHALE/MUDSTONE: Medium dark grey to greenish grey and dark reddish brown, silty, rubbly, containing burrows and bivalve fossil debris; interbedded with,

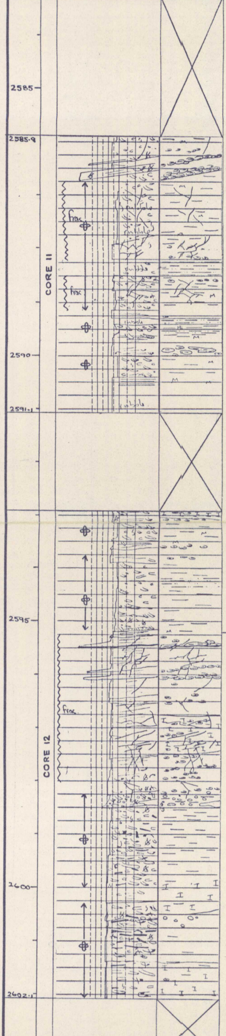
SANDSTONE: Pale grey to brownish olive grey
(? slightly oil-stained), very fine to coarse grained, containing wave ripples, horizontal lamination, burrows, fossil debris and pebbles. Bedding oversteepened and fractured at 2553-54m.


2565
2570
2575
2578.6
2578.9
2580
2583.3
CORE 9
CORE 10
frac.
frac.
frac.
frac.
frac.
rubble

SANDSTONE: Pale yellowish brown to olive grey (oil-stained) and medium grey to brownish grey, very fine to fine grained, argillaceous and bioturbated, containing horizontal lamination, concentrations of mudclasts, carbonaceous wood debris and bivalves; interbedded with,

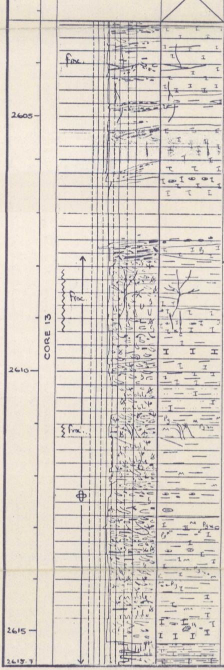
SILTSTONE: Medium dark grey, bioturbated and argillaceous.

Fracturing is common, bedding locally oversteepened to 50° where closed fractures most frequent.


2585
2585.9
frac
CORE 11
frac
2590
2591.1
2595
frac.
CORE 12
2600
2602.1

SANDSTONE: Pale to moderate yellowish brown (oil-stained), medium grey and pale grey (calcite cemented), fine to medium grained, containing erosive bases, cross-bedding, burrows, local concentrations of mudclasts, pebbles, carbonaceous wood debris and bivalve and indeterminate fossil debris.

Closed fractures common, bedding oversteepened to 45°-50°; calcite concretions common throughout.


Frac.
2605
Frac.
CORE 13
2610
Frac.
2615
2615.7

SANDSTONE: Pale yellowish brown (oil-stained) to greenish grey, very fine to medium grained, argillaceous and bioturbated, containing bivalve, gastropod and indeterminate shell debris, carbonaceous wood fragments, mudclasts, occasional closed fractures and common concretionary calcite and small nodular pyrite cements.

This map has been produced from a scanned version of the original map
Reproduction par numérisation d'une carte sur papier