



W 393

W 393

WELL ELEMENTARY

REPORT

SIGNAL HILL-1

W393

PE904119

This is an enclosure indicator page.  
The enclosure PE904119 is enclosed within the  
container PE904118 at this location in this  
document.

The enclosure PE904119 has the following characteristics:

ITEM\_BARCODE = PE904119  
CONTAINER\_BARCODE = PE904118  
NAME = well card  
BASIN = GIPPSLAND  
PERMIT =  
TYPE = WELL  
SUBTYPE = WELL\_CARD  
DESCRIPTION = well card Signal Hill 1  
REMARKS = abandoned 1933  
DATE\_CREATED =  
DATE\_RECEIVED =  
W\_NO = W393  
WELL\_NAME = Signal Hill-1  
CONTRACTOR = Signal Hill Exploration Co  
CLIENT\_OP\_CO = Signal Hill Exploration Co

(Inserted by DNRE - Vic Govt Mines Dept)

SIGNAL HILL No.1 Well

BASIC INFORMATION

Company: Signal Hill Exploration Co.

Date Drilled: 1932

Location: Parish of Dulungalong; 38°14'25", 147°18'45"

Elevation: 93 ft. a.s.l.

Total Depth: 2295 ft.

Present Sample Availability: Nil

Source of Log: Adapted from Unpublished Repts. Nos. 33, 38 & 60 of F. Chapman ( copies stored by the Geological Survey).

LOG

Based on the limited number of retrieved samples:-

- 250 ft: A fragment of lignitiferous wood, allied to Callitis sp.
- 300-650 ft: A series of molluscan shells apparently washed from core material
- 742-777 ft: Whitish friable bryozoal limestone; washings include molluscan shells and forams
- 1129 ft: Fine-grained whitish bryozoal limestone, with some pelecypods, forams (including Operculina), and ostracods
- 1573 ft: Grey fossiliferous marl with bryozoa and forams (incl. Lepidocyclina and Cycloclypeus)
- 1574 ft. 9 in: Pale grey marl with bryozoa and forams (incl. Lepidocyclina)
- 2020-2023 ft: Greenish grey foraminiferal marl, also containing bryozoa and ostracods
- 2050 ft: As above, dark greenish grey
- 2054 ft: Green glauconitic marl, otherwise as above
- 2070 ft: Hardened grey marl, flaky in texture, with forams (incl. Victoriella plecte), ostracods, echinoid spines, sponge spicules, coral fragments, and bryozoa
- 2076-2085 ft: Hardened greenish grey marl with glauconite grains and pellets, the fauna being as above
- 2114 ft: Greenish grey foraminiferal marl, otherwise as above
- 2121 ft: As above
- 2124 ft: " "
- 2130 ft: Pale grey, dense, sticky marl with some pyrite
- 2150 ft: Lithology as for 2114 ft.
- 2163 ft: As above
- 2164 ft: " "
- 2186 ft: " "
- 2205 ft: Loose washed material containing quartz grains and pebbles, glauconite grains and pellets, and foams
- 2225 ft: Greenish grey marl, washings as above
- 2227 ft: Loose glauconitic quartz sand with forams, sponge spicules and echinoid spines
- 2235 ft: Glauconitic and pyritic sandy marl containing quartz, abundant glauconite, pyrite, also forams and ostracods

- 2237 ft: Loose glauconitic gritty sand, with numerous glauconitic pellets, pyrite, and also a few forams
- 2240 ft: Quartz sand and grit, fairly well rounded but angular when finer, some glauconite and pyrite and a few minute forams
- 2260 ft: As above
- 2283 ft: " "
- 2295 ft: "Grey sticky marl". Washings consist predominantly of very fine angular quartz sand, also mica and occasional fish bones.

Note: Because of the possibility of mud-cake contamination on the cores examined by Chapman, the present writer feels that the marine content of the last four samples must be considered as suspect; for example, one of the "few minute forams" recorded by Chapman is Globigerina triloba, a Miocene species!

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#### STRATIGRAPHIC SUBDIVISION

The subdivision given by Irene Crespín (Comm. Palaeont. Bull 4, 1943, Table 5) who, incidentally, had access to more samples than are described above, has been adapted below:

Post-JEMMYS POINT FORMATION: 250 ft.  
 JEMMYS POINT FORMATION: 300-650 ft.  
 TAMBO RIVER FORMATION: -  
 GIPPSLAND LIMESTONE: 742-?1781 ft., with the "Lepidocyclina beds" from 1573-1630 ft.  
 LAKES ENTRANCE FORMATION: 1822-2237 ft.  
 LATROBE VALLEY COAL MEASURES: 2240-2295 ft.

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Barry Hocking

J.B. HOCKING,  
Geologist

10.7.68

from Baragwanath 1947

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beds being undecided, but as boring progressed, it was evident that the lignite deposits were overlain by the Miocene limestones, and in an area south-east of Longford, the limestone series has been proved to have a reversal in dip. The apex of reversal has been traced for several miles, and boring in the vicinity of the fold is now in progress by the Lake Wellington Oil Co., where the lignitic series is being bored, in anticipation of changed conditions in depth. This area is worthy of further consideration. Some distance to the east, at Signal Hill, a bore was put down on misinterpreted surface data; a depth of 2200 feet was reached, and the bore correlated with those of the Lake Wellington and allied companies to the west.

HB  
May 1936