Co. FROME LAKES PTY. LTD.

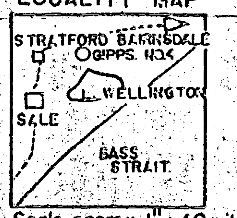
Well GIPPSLAND No. 4

State VICTORIA
County TANJIL
Parish YEERUNG
Location 95' NW of the NE Corner Allot. 19B — Crown land.
Elevation 126' D.F.

Comm. 15-11-56 Comp. 8-1-57
T. D. 1815'

Casing Record 6½" @ 488' with 60 sacks of cement.

LOCALITY MAP

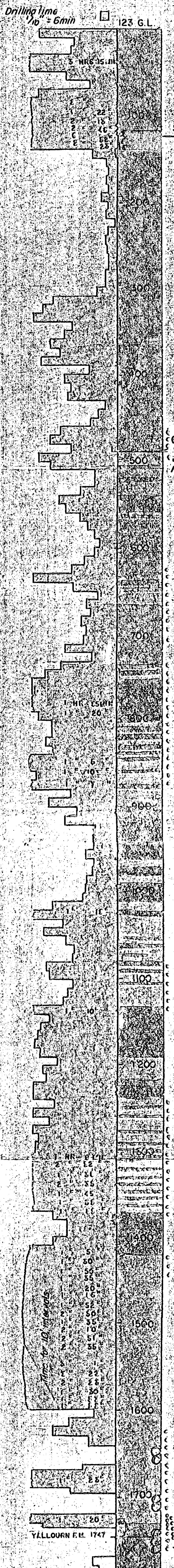


Scale approx. 1" = 40 miles

REMARKS

EXPLORATION WELL

J.S.B. and R.L.W. D Dec. 1956 — Jan. 1957



J.S. Bain — Sand — wh crse — med subang well sorted orange-brn ferruginous std — over lain by 1' surface soil

Sd — as above some cemented by Fe
Sd — wh and clear med — crse subang — red to brn ferruginous std

Sd — wh and clear med — crse subang — subrnd — trace of pyrite

Sd — clear and frosted crse — subrnd — small amounts of Fe
Sd — as above but wt small amounts of a black mineral
Sd — wh frosted crse — vcrse — granular — poorly sorted
SEA LEVEL — Gravel — wh and dk grains granules are subrnd — trace of pyrite
Siltstone and clay — black pliable non porous clay and siltstone

Sand — yellow — red brn f — med subrnd ferruginous — trace pyrite and grn mineral (glauc ?) as above wt sd grain becoming darker and some siliceous cement
Sd — yellow wh and dk med subrnd grains — traces of pyrite
Sd — wh to dk med — crse well sorted grains — increasing pyrite

Sd — wh-dk med — vcrse subrnd poorly sorted — trace of pyrite in qtz grains
Same as above but increasing amts of pyrite in qtz grains

Sand — wh med — vcrse subrnd well sorted — some Fe staining — pyrite

Sand — wh med — vcrse rnd well sorted — some porous iron stained clusters
Gravel — wh, gry, yellow brn med subang poorly sorted wt pyrite carb. specks and Fe std
Gravel — as above wt siliceous cement and carbonaceous material
Gravel and sd — brn
Sand — wh to yellow brn f — crse subang grains Fe stainings
Gravel — wh, brn, grn subang xln qtz granules — some carbo specks and mica
Sand and shell — wh subang grains wt shell frags — gastropods and pelecypods

Sandy marl — buff to tan fine to med soft sdy marl wt shell frags and forams
Shelly bands — remains of pelecypods, gastropods and forams
Shelly as above — a few frags of glauc sdy marl — many turritella
Marl — shelly and sdy fine grained texture — many shell frags
Marl — wh to greenish vf soft wt foss frags and trace of glauconite
6½" O.D. @ 488 — Marl — wh to grn vf soft polyzoal wt glauc

J.S. Bain — Marl — wh wt streaks of yellow vf polyzoal — shell remains and glauc
R.L. Wood — Marl — tan — gry soft shelly bryzoal marl wt lg cream frags of turritella and many cream bryzoal stains — a few hrd ls bands

Limestone — lt gry vf granular foss ls — similar to marl but very hard and compact many cream Turritella

Marl — gry to lt brn hrd foraminiferal marl wt black turritella and hrd ls bands marl is vf textured wt abundant cream and black turritella

Marl — highly shelly soft gry vf textured marl — abundant gastropod frags and many forams

Marl — lt gry vf textured foss marl wt many vf lng needles of gypsum and glauc
Ls and marl — same marl but wt bands of π hrd vf granular ls — compacted marl

Marl — lt gry soft highly shelly marl as above wt fragments of gastropods and forams — trace of gypsum, glauc, pyrite and specks of blk carbonaceous matter
Marl — as above but much pyrite and increasing amts of dk blue — blk shell frags

Marl — lt gry soft foss shell marl wt trace of gypsum and pyrite — glauc decreasing wt depth

Marl and ls — lt gry glauc foss marl wt gypsum needles, becoming sli xln and very hrd wt depth

Limestone — gry — lt brn vf granular glauc foraminiferal ls — some composed of many vf rhombic minerals xls — some fxln glauc highly foss ls wt lg calcite foss casts

Limestone — gry hard π glauc foss granular foraminiferal ls wt marl bands

Marl wt ls bands — gry to brn soft sticky highly shelly glauc foraminiferal marl wt gypsum needles and many hard similar ls bands

Marl — buff to cream coloured soft polyzoal marl — no glauc — many bryzoal frags and cream coiled forams

Limestone — buff to white granular por polyzoal ls — many bryozoa frags

Ls — lt gry to white granular porous polyzoal limestone

Marl — lt gry very soft vf textured highly foss marl wt many cream coloured shell frags and forams

Limestone — above polyzoal marl and ls

Marl — lt gry - buff vf granular soft sugary tex marl wt gypsum needles and composed of many vf rhombic mineral xls — increasing pyrite and bands of cream polyzoal ls wt depth

Marl wt ls bands — tan soft vf tex foss and glauc marl wt lt brn hard fxln ls bands

Marl — lt brn to brn rough tex soft foss micaceous glauc marl wt white foss casts blk carb specks — samples glisten from light reflected by xl faces
Limestone — buff to lt gry med granular hard π glauc and foss ls
Ls — dk brn fxln very hard π sli foss non glauc ls — myriads of tiny wh bryzoa casts and many small lt gry to clear forams

Ls — lt brn — dk brn fxln hard π ls grading into gry clear pyritic calcite — some soft brn foss marl bands

Marl wt ls bands — lt brn soft sticky sli mica pyritic and glauc foss marl wt dk brn hard xln foss ls bands

Marl — buff to tan vf granular soft sticky π foss and glauc marl composed of myriads of rhombic mineral xls — hard bands hard bands π ls bands

Marl — lt gry vf tex glauc and foraminiferal marl wt gypsum needles and hrd ls bands some pyritic bands

Limestone — lt gry to buff granular highly glauconitic very porous ls
Ls — dk brn vf granular very pyritic ls wt many tiny xls

Ls — buff to tan vf granular ls composed of tiny xls

L.E. Fm 1420 — Marl — brn highly foss sli glauc and pyritic very fine grained soft marl wt white foss casts of bryzoa and many forams

Marl — becoming lt brn to lt gry vf tex smooth foraminiferal marl wt depth

Marl — lt gry vf velvety tex soft arg marl wt wh foss casts and trace of pyrite breaks into blocky rectangular chunks

Marl — lt gry to gry grn soft vf velvety to sli rough tex, pyritic and sli carb marl wt wh foss casts — marl becomes more carb and sli micaceous wt depth.

Marl — same as above but becoming light green and more forams

Marl — lt grn soft vf tex marl becoming sli glauc wt bands of brn soft rough micaceous marl wt blk carb specks and glauc.

Core #1 — C 1643 — 53 Rec 4' Brn soft rough tex sli mica and pyritic highly glauc marl wt forams
Core #2 — C 1653 — 63 Rec 10' — 9' above brn micaceous marl, 1' lt gry — wh vf tex pyritic marl
Marl — lt brn soft micaceous pyritic and glauc marl wt bands of lt gry smooth vf tex pyritic marl — marl contains many forams

Core #3 — C 1697 — 1707 Rec 8½' Brn vf granular rough tex glauc pyritic micaceous marl wt carb specks
Core #4 — C 1707 — 17 Rec 1' same marl but highly glauconitic and wt many forams
1720 — 25 highly glauc. brn marl 1725 — 30 marl becomes very sdy and glauc — wh vcrse — granule qtz
Core #5 — C 1737 — 47 Rec ½' 1730 — 47 grn — gry soft wet highly glauc and pyritic arg marly ss — no show
Core #6 — C 1747 — 57 Rec 4' brn very soft wet f — med subrnd qtz sd wt lrg rnd granules of qtz.
Core #7 — C 1757 — 67 Rec 0' Coring samples show above brn sd wt traces of dk brn pyritic brn coal. The core showed traces of gry — blk liginitic clay wt strong H_2S odor in acid. Sand has trace of glauc and shells. Transitional zone to continental conditions.
1770 — 90 Lt gry vcrse to granule rnd — subrnd milky qtz — sand lt brn std before washing due to liginitic material
Same lignitic sand and gravel wt many dk granules and pyritic clusters
T.D. 1815' — 1810 — 15 Solid brown coal

GIPPSLAND No. 4

LITHOLOGICAL LOG

PLATE 4

OIL and GAS DIVISION

R.L. Wood Report