

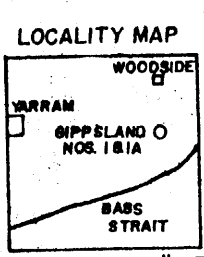
DEPT. NAT. RES. & ENV.  
PE603435

PTY. FROME LAKES LTD.  
Co. Well GIPPSLAND No.1 & 1A

State VICTORIA  
County BULN BULN  
Parish BALLOONG  
Location N.W. Corner Albt. 16B  
13.5' S of N.W. Corner  
16B-Crown Land  
Elevation 36' D.F.

Comm 24-9-56 Comp 28-10-56  
T.D. 1962

Casing Record  
6 1/2" 582 with 25 sk. cement.



REMARKS

EXPLORATION WELL

R.L.W. Sept-Oct., 1956

Drilling Time 33.5.61  
No. 6 min

SEA LEVEL



4' Orange-brn clay overlain by 8-10' soil, 6' loose sand in clay Wh-pale yellow vorse rnd frosted loose sand - well sorted held together by a clay matrix  
Sand becomes finer w/ depth Wh-clear f-med subrnd sli frosted qtz sand - lightly cemented w/ clay

Pure wh crse-vorse well rnd frosted well sorted loose qtz sand Orange brn ferruginous vt-f subrnd-ang poorly sorted hrd sd orange-brn fer cement-fres grains subrnd-clear qtz grains ang TT ang sand - where highly for the grains glisten - sd from f-silt  
Lt gry-f-med subrnd-sub ang sli por arg sd Mixed ferruginous and gry arg sd - trace pyrite on qtz grains

Lt gry vorse poorly sorted highly foss sli por - TT marly sd or sdy marl with lrg fragments of shells, forams, turrelita, and some small shiny blk carb frags shell fragments dk gry - blue in colour  
Sd becomes more marly and fossiliferous

Samples become increasingly sdy w/ some gry vorse rnd sdy hrd ls nodules - Trace of pyrite and some carb material Wh - Lt gry med rnd sli frosted qtz sd w/ many forams and foss fragments  
Pure sd w/ no foss frags as above

Wh f-med rnd well sorted qtz sd w/ trace fossils and forams

Wh - milky vt-f rnd-spherical well sorted qtz sd Sd becomes finer and more milky w/ depth all pure qtz - some pyrite and forams  
Lt gry f-med subrnd-rnd qtz sd - increasing dk gry grains

Lt gry-milky wh f-med subrnd-rnd qtz sd - very well sorted

Lt gry-buff highly foss sdy marl-vorse rnd milky qtz grains - many forams  
Lt gry vt-f subrnd-ang qtz sd w/ many shell frags - forams and pyrite

Tan-buff fragmental sdy marl - some granules qtz w/ pyrite encrustations - frags of gastropods, turrelita, forams - blk carb matter fibre structure - marl so soft that only shell frags remain in samples. Sample mainly med sd - some forams have vt ang dk gm grains not glauconite - some called forams replaced by calcareous matrix and small various coloured sd grains.

6 1/2" 582  
B.H. Temp 600' = 72°F  
Lt gry vt-f polyzoal soft marl - many lrg shell and foss frags - some glauc  
Lt gry vt-f highly glauc marl - dk gm to blk f - med rnd grains of glauc

Lt gry soft polyzoa marl w/ strks of buff-wh granular ls  
Buff-wh f-med granular por polyzoal ls, many honeycombs of Bryozoa.  
Lt gry soft foss marl strks

Lt gry med granular soft polyzoal marl with many vorse subrnd qtz sand grains  
Buff-wh fragmental sli sdy ls w/ lrg frags of bryozoa  
Buff-wh vorse rnd loose qtz sand w/ foss frags. Thinly interbedded vorse sand and shell zones. Lt gry crse granular polyzoal ls w/ frags of forams, bryozoa and yellow arg filling. Alternating soft and hrd bands - Ls and marl - Lt gry vry foss w/ shell frags. Lt gry med gran soft sli sdy marl w/ some small shell frags.

Wh-yellow f gran sdy ls w/ yellow f-med subrnd qtz sand and yellow arg filling  
Yellow f sub ang cal qtz sand w/ foss frags  
Lt gry sdy marl w/ 2" thick gry-brn csln vhrd dolomite bands  
Buff f gran sli sdy soft marl w/ strks of glauc Tan - Lt gry f gran glauc lt w/ hrd bands of lt brn dolomite - Lt gry vt-f ang cal sd grading into a sdy ls into hrd xln dolomitic ls Lt gry f gran marl w/ grains of glauc and biotite - grades into bands of brn xln dolomite

Increasing number of lt brn csln hrd vry glauc dolomite in soft gry marl Lt brn csln vry hrd foss glauc dolomite Bands of dolomite in a tan highly foss soft marl

Many f grains of rnd qtz sand in marl w/ several med-crse rnd dk grn glauc grains  
Wh-cream coloured polyzoal ls w/ many wh cal forams and bryozoa  
Wh - Lt gry f-grained sli sdy and micaceous polyzoal marl

Wh f granular soft polyzoal marl w/ vorse well rounded milky qtz grains

Buff vt gran polyzoal marl w/ vorse rnd-ang clear qtz grains Some marl but w/ a few vorse rnd reddish qtz grains. Dk gry f-grn sli sdy glauc marl Trace of brn hrd xln dolomite  
Lt gry polyzoal marl w/ dolomite band  
Buff f gran polyzoal ls w/ many bryozoa fragments

Buff granular ls w/ traces of pyrite Lt gry-wh csln hrd ls w/ trace of glauc and mica Bands of soft marl and glauc xln gry - wh ls

Wh crse granular highly foss ls w/ many grains of glauc  
6 1299-1309 Rec. 2' Lt gry f-med sli sdy granular polyzoal ls w/ strks glauc Lt gry f-med granular sli sdy ls w/ crse rnd milky qtz grains, glauc, mica Lt gry-wh polyzoal ls w/ some softer marl strks

Wh crse granular polyzoal and foraminiferal ls w/ glauc  
Wh polyzoal ls only slight trace of glauc

Buff - Lt gry granular ls made up of xln calcite some pyrite and mica and foss frags

Buff-tan vt-f granular glauc, marlstone w/ some gry xln pyritic ls. Some marl w/ bands of lt gry vt f xln ls

Wh f granular polyzoal ls w/ pale yellow calcite grains Some polyzoal ls but w/ many small reddish brown foss carb specks not hydrocarbons some mica and glauc Gry-lt brn crse granular polyzoal ls w/ many dk grains, mica and some glauc

Wh polyzoal granular ls

Wh f-med granular polyzoal ls w/ little glauc and trace of mica  
Lt gry-wh f-med granular polyzoal ls w/ mica flakes and grains of glauc

Pure wh med granular polyzoal sli por ls w/ traces of mica  
Lt gry brn-wh vt-f granular ls w/ many vt-f rhombic xls of possible Barite - not calcite no reaction w/ hcl - mud wgt and vis rose sharply 47-160 vic  
Decreasing amounts of xls Lt gry hrd xln ls w/ much pyrite Buff f granular pyritic ls w/ f-ang-rnd qtz sd grains interbedded

Ls becomes glauconitic Buff-wh highly foraminiferal ls and marl w/ a few crse grains of qtz sd - glauc present  
Gry-brn f-grained carb and sli sdy foss marl w/ trace of mica - alternating wh and blk specks  
Gradational to a gry-grn vt soft arg micaceous marl w/ wh cal foss casts  
Lt gry vry soft vt-f foraminiferal sli pyritic marl

Gry-grn soft arg marl becomes increasingly pyritic w/ depth - bands of lt gry hrd pyritic ls. Bright grn soft ang marl w/ wh cal foss casts and pyritic bands. Marl becomes harder and very pyritic

Sample contains mainly xln pyrite - very highly pyritic marl clusters of octohedra of pyrite - marl is sli gray and sli micaceous  
6 1915-25 Rec 0' 1913-26 is the "Glauconitic Sandstone" which is a tan-vry brn f granular highly glauc sli pyritic vry hrd light w/ dolomitic ls w/ a few granule qtz grains - no odor or stain  
6 1922-41 Rec 2' 1 1/2' of above glauc ls (recored lost core # 2) 1/2' dk grn soft highly glauc marl 1926-41 dk grn vt-f soft highly glauc and pyritic marl w/ crse blue-grn glauc and many granules qtz sd  
6 1943-62 Rec 4' 2' Brown soft vry wet cal 2' cream-brn soft lignitic clay and sand.

Note: Lithological detail for log from 0'-700' is from well No.1, 700'-1962' is from well No.1A.  
(Note: Well No.1A is 76.5' south of No.1)