



Natural Resources and Environment

AGRICULTURE • RESOURCES • CONSERVATION • LAND MANAGEMENT

DEPT. NAT. RES & ENV



PE906187

WELL SUMMARY

OILCO-1 (W453)

1 Folio No	2 Referred to	3 Date	4 Clearing Officer's Initials	1 Folio No.	2 Referred to	3 Date	4 Clearing Officer's Initials

FILE COVER INSTRUCTIONS FOR ACTION OFFICERS

- (1) FOLIO NUMBERS: Each subject paper attached to a file is to be given a consecutive number by the attaching officer. Papers must not be removed from or attached to a file without approval.
- (2) REFERRAL TO OTHER OFFICERS: When an Officer completes action on the file and further action is required by some other Officer, please initial Column (4) and on the next vacant line, enter the relevant folio number in Column (1), indicate to whom the file is to be forwarded in Column (2) and record the date in Column (3).
- (3) BRING UP MARKINGS: When action on a file is required at a later date, the officer will initial Column (4) and, on the next vacant line, enter the relevant folio number in Column (1), then write "B/U" followed by the action officer's name in Column (2) and the date the file is required in Column (3).
- (4) PUTAWAY MARKINGS: When ALL action on a file is completed the officer concerned will initial Column (4) and, on the next vacant line, write "P/A" in column (2).

REGISTRY MUST BE NOTIFIED OF ANY FILE MOVEMENTS BETWEEN OFFICERS

LOCATION

EARLIER FILES	LATER FILES	RECORDS DISPOSITION
RELEVANT FILES		
File No.	Subject	

SYMBOLS FOR ACTION OFFICERS

EXECUTIVE

Secretary
 Deputy Secretary
 Executive Director Portfolio Management
 Executive Director Performance Evaluation
 Executive Director Primary Industries and Chief Scientist
 Executive Director Catchment Mgt & Sustainable Agriculture
 Executive Director Minerals and Petroleum
 Executive Director Forests Service
 Executive Director Parks, Flora and Fauna
 Executive Director Land Victoria
 Executive Director Regional Services

SEC
 DS
 EDPM
 EDPE
 EDPI,CS
 EDCMSA
 EDMP
 EDFS
 EDPF
 EDLV
 EDRS

PERFORMANCE EVALUATION

Chief Economist
 Manager Internal Audit & Risk Mgt Policy
 Manager Strategic Quality Assurance

CE
 MIARMP
 MSQA

CATCHMENT MGT & SUSTAINABLE AGRICULTURE

Program Manager Pest Plants & Animals
 Director Catchment & Water Resources
 Director Sustainable Development
 Director Office of Rural Affairs
 Director Natural Resource Policy

PMPPA
 DCWR
 DSD
 DORA
 DNRP

CORPORATE MANAGEMENT

General Manager Corporate Services
 Chief Finance Officer
 Manager Information Technology Strategies
 Director Capital Policy
 Director Human Resources
 Director Planning & Budget
 Director Information Technology & Telecommunications
 Director Business Reform
 Manager Business Improvement
 Manager Administrative Policy & Procedures
 Manager Metropolitan Administrative Operations
 Manager Corporate Communications & Information
 Manager Electronic Information Services
 Manager Library & Information Services

GMCS
 CFNO
 MITS
 DCP
 DHR
 DPB
 DITT
 DBR
 MBI
 MAPP
 MMAO
 MCCI
 MEIS
 MLIS

FORESTS SERVICE

Manager Commercial Forestry
 Chief Fire Officer
 Manager Forest Management
 Manager Regional Forests Agreements

MCF
 CFO
 MFM
 MRFA

PARKS, FLORA & FAUNA

Manager Parks & Reserves
 Manager Business Management Parks, Flora & Fauna
 Manager Flora & Fauna
 Manager Coasts & Ports

MPR
 MBMPFF
 MFF
 MCP

LAND VICTORIA

Director Geospatial Information
 Director Resources & Reform
 Surveyor General
 Valuer General
 Director Land Registry
 Director Crown Land Management

DGI
 DRR
 SG
 VG
 DLR
 DCLM

MINERALS AND PETROLEUM

Manager Petroleum Development
 Manager Geological Survey Victoria
 Manager Mineral & Petroleum Operations
 Manager Minerals Development
 Manager Extractive Industries
 Manager Minerals & Petroleum Titles

MPD
 MGSV
 MMPO
 MMD
 MEI
 MMPT

PORTFOLIO MANAGEMENT

Director Water Agencies
 Manager Portfolio Coordination
 Manager Environmental Policy
 Manager Policy Support
 Director Media

DWA
 MPC
 MEP
 MPOS
 DM

PRIMARY INDUSTRIES & CHIEF SCIENTIST

Manager Chemical Standards Branch
 Manager Plant Standards
 Chief Veterinary Officer
 Director Bureau of Animal Welfare
 Director Fisheries
 Director Quality Assurance
 Director Agribusiness

MCSB
 MPS
 CVO
 DBAW
 DF
 DQA
 DA

OILCO-1 (W453)

Well Summary Report

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PE904221

This is an enclosure indicator page.
The enclosure PE904221 is enclosed within the
container PE904220 at this location in this
document.

The enclosure PE904221 has the following characteristics:

- ITEM_BARCODE = PE904221
- CONTAINER_BARCODE = PE906187
- NAME = well card
- BASIN = GIPPSLAND
- PERMIT =
- TYPE = WELL
- SUBTYPE = WELL_CARD
- DESCRIPTION = well card (from Well Elementary)Oilco 1
- REMARKS =
- DATE_CREATED = 01/09/1957
- DATE_RECEIVED =
- W_NO = W453
- WELL_NAME = Oilco-1
- CONTRACTOR =
- CLIENT_OP_CO = Woodside LE Oil Co NL

(Inserted by DNRE - Vic Govt Mines Dept)

LITHOLOGY

OILCO LTD. - OILCO NO. 1.

LITHOLOGICAL LOG

Copied from Weekly Drilling Reports submitted
by the Company to the Department.

0' - 65'	Surface clay 18'. Drift sand 47'
65' - 75'	Sand and fine shells
75' - 76'	Hard band of shell
76' - 115'	Brown clay
115' - 330'	Grey-blue sandy marl 6" Casing to 157'.
330' - 428'	Polyzoal limestone
428' - 708'	Grey marl with hard bands
708' - 719'	Light green marl
719' - 725'	White limestone marl
725' - 983'	Greenish white marl
983' - 985'	Brown clay
985' - 996'	Grey marl
996' - 1055'	Greenish grey marl
1055' - 1252'	Brown micaceous clay with hard bands
1252' - 1296'	" " " . Cored recovered 1287' - 1296'
1296' - 1299'	Glauconite. Cored, no recovery.
	Plant changed. Water at 1020'.
	Bailed 2 pints oil and 38 gallons water.
1300' - 1310'	Glauconite - cored recovered 100% - 11 gallons oil
1310' - 1320'	Glauconite - cored recovered 100%
1320' - 1327'	" " " 100%
1327' - 1330'	Sand - cored 100% recovery
1330' - 1336'	Water sands - core 100% recovery
1336' - 1346'	Sandstone with layer of sand. 100% recovery.
1346' - 1356'	Sandstone - 30% recovery.
1356' - 1366'	Sandstone - 1' granite. 50% recovery

Cemented off bottom of hole - 10 bags
cement. Top of hole cemented after
drawing casing.

.....

Lithological Log copied from Well-Site Geologist's Notes

- 5' 90% Sand, medium grained to fine grained, subangular, clear quartz.
10% Clay, ocherous.
- 10' 90% Sand, as above.
10% Clay, light brown.
- 15' 90% Sand, medium to coarse grained, subangular, clear, subangular quartz.
10% Clay, pale brown.
- 20' 90% Sand, medium to coarse grained, subangular, clear, subangular quartz.
10% Clay, pale brown.
- 25' 100% Sand, Coarse to medium grained, subangular, clear quartz; some clay, pale brown.
- 30' 100% Sand, coarse to medium grained, subangular, clear quartz, ~~but with no clay.~~
- 35' 100% Sand, as above, ferruginous, little mica.
- 40' 100% Sand as above, extremely ferruginous, little mica.
- 45' 80% Sand, coarse to medium grained, subangular, clear quartz.
20% Clay, pale brown, little mica.
- 50' 80% Sand, coarse to medium grained, subangular, clear quartz.
20% Clay, pale brown, little mica.
- 55' 75% Sand, coarse to medium grained, subangular, clear quartz.
25% Clay as above, little mica.
- 60' 75% Sand, coarse to medium grained, subangular, clear quartz.
25% Clay, pale brown, little mica.
- 65' 50% Sand, coarse to medium grained, subangular, clear quartz.
50% Clay, pale brown, little mica.
- 70' 35% Sand, coarse to medium grained, subangular, clear quartz.
35% Clay, pale brown, little mica.
30% Fossil fragments

- 75' 35% Sand, coarse to medium grained, subangular, clear quartz.
35% Clay, pale brown, little mica.
30% Fossil fragments.
- 80' 40% Sand, coarse, sub-rounded.
40% Clay, brown.
20% Fossil fragments.
- 85' 40% Sand, coarse, sub-rounded.
40% Clay, brown.
20% Fossil fragments.
- 90' 40% Sand, coarse, sub-rounded.
40% Clay, brown.
20% Fossil fragments.
- 95' 40% Sand, coarse, sub-rounded.
40% Clay, brown.
20% Fossil fragments.
- 100' 40% Sand, coarse, sub-rounded.
40% Clay, brown.
20% Fossil fragments.
- 105' 80% Sandstone, very coarse grained, marl cemented.
20% Fossil fragments, Mollusca.
- 110' 100% Sandstone, very fine grained, ferruginous, marl cemented. Few fossil fragments.
- 115' 100% Sandstone, very fine grained, ferruginous, marl cemented. Few fossil fragments.
- 120' 100% Marl, brown and grey, some sand, few Fossil fragments.
- 125' 100% Marl, grey, little fine sand. Few Fossil fragments (Turratella)
- 130' 100% Marl, grey, little fine sand, little mica, few Fossil fragments.
- 135' 100% Marl, grey, little fine sand, little mica, few Fossil fragments.
- 140' 100% Marl, grey, little fine sand, little mica, few Fossil fragments.
- 145' 100% Marl, grey, little fine sand, little mica, few Fossil fragments.

- 150' 100% Marl, grey, little fine sand, little mica, few Fossil fragments.
- 155' 100% Marl, grey, little fine sand, little mica, few Fossil fragments.
- 160' 100% Marl, grey little fine sand, little mica, few Fossil fragments.
- 165' 100% Marl, grey little fine sand, little mica, few Fossil fragments.
- 170' 100% Marl, grey, little mica. Few Fossil fragments, few pieces quartz, rounded, grit.
- 175' 100% Marl, grey, little mica, little very fine sand, few Fossil fragments.
- 180' 100% Marl, grey, little mica, little very fine sand, few Fossil fragments.
- 185' 100% Marl, grey, many pieces black mineral (?Glaucanite) little sand, few Fossil fragments.
- 190' 100% Marl, grey, many pieces black mineral (?Glaucanite) little sand, few Fossil fragments.
- 195' 100% Marl, grey, many pieces black mineral (?Glaucanite) little sand, few Fossil fragments.
- 200' 80% Marl, grey
20% Sand, fine to medium grained. Many pieces black mineral, Fossil fragments, as above.
- 205' 100% Marl, grey, little sand, few black grains, little mica, many Fossil fragments.
- 210' 100% Marl, grey, little sand, few black grains, little mica, many Fossil fragments.
- 215' 100% Marl, grey, little sand, few black grains, little mica, many Fossil fragments.
- 220' 100% Marl, grey, little sand, few black grains, little mica, many Fossil fragments.
- 225' 100% Marl, grey, little sand, few black grains, little mica, many Fossil fragments.

- 230' 100% Marl, grey, little sand, few black grains, little mica, many Fossil fragments.
- 235' 100% Marl, grey, little sand, few black grains, little mica, many Fossil fragments.
- 240' 100% Marl, grey, little sand, few black grains, little mica but more Fossil fragments, change in Polyzoa (?)
- 245' 100% Marl, grey, little sand, few black grains, little mica but more Fossil fragments, change in Polyzoa (?)
- 250' 100% Marl, grey, little sand, few black grains, little mica, Fossil fragments.
- 255' 100% Marl, grey, little sand, few black grains, little mica, Fossil fragments.
- 260' 100% Marl, grey, little sand, few black grains, little mica, Fossil fragments.
- 265' 100% Marl as above, Fossil fragments plentiful with Polyzoa predominating.
- 270' - 100% Marl, grey, little sand, few black grains,
295' little mica, Fossil fragments plentiful with Polyzoa predominating.
- 300' 100% Marl, grey, little sand, few black grains, little mica, Fossil fragments less plentiful. *Polyzoa predominating.*
- 305' - 100% Marl, grey, little sand, few black grains,
320' little mica, Fossil fragments less plentiful.
- 325' 100% Marl, grey, little sand, few black grains, little mica, Polyzoa plentiful.
- 330' 50% Marl as above.
50% Polyzoa
- 335' 50% Marl as above.
50% Polyzoa.
- 340' 75% Polyzoa.
25% Marl as above.
- 345' 75% Polyzoa.
25% Marl as above.

350'	80% Polyzoa 20% Marl, grey, little sand, few black grains, little mica.	
355'	100% Polyzoal limestone.	
360' 365'	100% Polyzoal limestone.	
370'	100% Polyzoal limestone.	Fossil fragments.
375' 410'	100% Polyzoal limestone.	Fossil fragments.
415'	100% Polyzoal limestone.	Few pieces grey marl.
420' 445'	100% Polyzoal limestone.	Few pieces grey marl.
450'	70% Marl, Grey. 30% Polyzoal limestone.	
455'	70% Marl, Grey. 30% Polyzoal limestone.	
460'	70% Marl, Grey. 30% Polyzoal limestone.	
465'	80% Marl, Grey. 20% Polyzoa.	
470' 480'	80% Marl, Grey. 20% Polyzoa.	
485'	95% Marl, grey, few black grains. 5% Polyzoa and fossil fragments.	
490'	90% Marl, grey, few black grains. 10% Polyzoa and fossil fragments.	
495' 500'	90% Marl, grey, few black grains. 10% Polyzoa and fossil fragments.	
505'	100% Marl, grey, few black grains, few fossil fragments, including Polyzoa.	
510' 515'	100% Marl, grey, few black grains, few fossil fragments, including Polyzoa.	
520'	100% Marl, grey.	

525'		100% Marl, grey, fossil fragments including Polyzoa.
530' - 540'		100% Marl, grey, fossil fragments including Polyzoa.
545'		100% Marl, grey, with very few black grains. Few fossil fragments, including Polyzoa.
550' - 585'		100% Marl, grey, with very few black grains. Few fossil fragments, including Polyzoa.
590'		90% Marl, grey, with very few black grains. 10% Fossil fragments including Polyzoa.
595'		90% Marl, containing less clay than above. 10% Fossil fragments, including Polyzoa.
600'		90% Marl, grey. 10% Fossil fragments, including Polyzoa.
605' - 635'		90% Marl, grey. 10% Fossil fragments, including Polyzoa.
640'		95% Marl, grey. 5% Fossils as above, including Polyzoa.
645' - 655'		95% Marl, grey. 5% Fossil fragments, including Polyzoa.
660'		90% Marl, grey, with little sand and black grains. 10% Fossil fragments, including Polyzoa.
665' - 670'		90% Marl, grey, with little sand and black grains. 10% Fossil fragments, including Polyzoa.
675'		90% Marl, grey and chalky, few black grains. 10% Fossil fragments, including Polyzoa.
680' - 705'		90% Marl, grey and chalky, few black grains. 10% Fossil fragments, including Polyzoa.
710'		90% Marl, very pale grey, chalky with little sand and few black grains. 10% Fossil fragments, including Polyzoa.

715'	85% Marl, grey, with little sand and few black grains. 5% Marl, white, chalky. 10% Fossil fragments, including Polyzoa.
720'	45% Marl, grey, with little sand and few black grains. 45% Marl, white, chalky. 10% Fossil fragments, including Polyzoa.
725' - 735'	45% Marl, grey, with little sand and few black grains. 45% Marl, white, chalky. 10% Fossil fragments, including Polyzoa.
740'	85% Marl, grey, with little sand and few black grains. 5% Marl, white, chalky. 10% Fossil fragments.
745' - 760'	85% Marl, grey, with little sand and few black grains. 5% Marl, white, chalky. 10% Fossil fragments.
765'	80% Marl, grey, with few black grains. 15% Marl, white. 5% Fossil fragments.
770'	95% Marl, grey, some white, few black grains. 5% Fossil fragments.
775'	100% Marl, pale grey.
780'	95% Marl, pale grey. 5% Fossil fragments.
785'	95% Marl, pale grey. 5% Fossil fragments.
790'	95% Marl, brownish grey, few black grains. 5% Fossil fragments.
795'	100% Marl, pale grey and grey, few black grains.
800'	100% Marl, pale grey and grey, few black grains.
805'	55% Marl, grey. 40% Marl, white. 5% Fossil fragments.
810' - 835'	55% Marl, grey 40% Marl, white. 5% Fossil fragments.

840'	90% Marl, dark grey. 5% Marl, white. 5% Fossil fragments.
845'	85% Marl, grey. 10% Marl, white. 5% Fossil fragments.
850' - 880'	85% Marl, grey. 10% Marl, white. 5% Fossil fragments.
885'	47% Marl, white with few black grains. 47% Marl, grey with few black grains. 6% Fossil fragments.
890'	47% Marl, white with few black grains. 47% Marl, grey with few black grains. 6% Fossil fragments.
895'	100% Marl, white, chalky. Few fossil fragments.
900'	90% Marl, white, chalky. 10% Marl, grey. Few fossil fragments, few black grains.
905'	90% Marl, white, chalky. 10% Marl, grey. Few fossil fragments.
910'	95% Marl, grey. 5% Marl, white, chalky. Few fossil fragments.
915'	95% Marl, grey. 5% Marl, white, chalky. Few fossil fragments.
920'	100% Marl, greyish white. Few fossil fragments.
925'	95% Marl, grey. 5% Marl, white, chalky. Few fossil fragments.
930' - 980'	95% Marl, grey. 5% Marl, white, chalky. Few fossil fragments.
985'	95% Marl, grey, some blue-grey. 5% Marl, white, chalky.

990'	100% Marl, whitish grey, some blue-grey.
995'	100% Marl, whitish grey, some blue-grey.
1000'	100% Marl, grey.
1005'	100% Marl, grey, little white.
1010'	100% Marl, grey, little white.
1015'	100% Marl, grey, some white. Few fossil fragments, including Polyzoa.
1020' - 1040'	100% Marl, grey, some white. Few fossil fragments, including Polyzoa.
1045'	100% Marl, brownish grey, little white, Few black grains, few fossil fragments.
1050'	100% Marl, brownish grey, little white, few black grains, few fossil fragments.
1055'	80% Marl, Grey. 20% Brown Clay.
1060'	70% Marl, grey, some white. 30% Brown Clay. Few fossil fragments.
1065'	60% Clay, brown, micaceous. 40% Marl, grey. Few fossil fragments.
1070'	90% Clay, brown micaceous. 10% Marl, grey. Few fossil fragments.
1075' - 1095'	90% Clay, brown micaceous. 10% Marl, grey. Few fossil fragments.
1100'	90% Clay, brown micaceous. 10% Marl, grey with Echinoid spine.
1105'	90% Clay, brown micaceous. 10% Marl, grey with Echinoid spine.
1110'	100% Clay, brown, micaceous. Few fossil fragments.

- 1115' -
1120' 100% Clay, brown, micaceous.
Few fossil fragments.
- 1125' 50% Clay, brown, micaceous.
50% Fossil fragments.
- 1130' 80% Clay, brown, micaceous.
20% Fossil fragments.
- 1135' 100% Clay, brown, micaceous, many
fossil fragments.
- 1140' 100% Clay, brown, micaceous, many
fossil fragments.
- 1145' 100% Clay, brown, micaceous,
Fossil fragments, including Polyzoa.
- 1150' -
1160' 100% Clay, brown, micaceous, many
fossil fragments.
- 1165' 100% Clay, brown, micaceous.
Several fossil fragments.
- 1170' 100% Clay, brown, micaceous.
Several fossil fragments, but
with Celepora Sp.
- 1180' 100% Clay, Brown, micaceous.
Several fossil fragments.
- 1185' 100% Clay, Brown, micaceous.
Several fossil fragments.
- 1190' 100% Clay, brown, micaceous.
Several fossil fragments,
plus pieces of pyrites.
- 1195' 100% Clay, brown, micaceous.
Several fossil fragments.
- 1200' -
1203' 100% Clay, brown, micaceous.
Several fossil fragments.
- 1203' - Core No. 1 Recovered 6'4"
1212'6" 6'4" Clay, Brownish, many specks mica,
black grains and fossils present. Clay
not uniform, patches of brown and greenish
brown micaceous clays. Many different
shaped pieces of pyrites present. Fossil
fragments present.

- 1215' 100% Clay, brown, micaceous.
Fossils and pyrites present.
- 1220' -
1225' 100% clay, brown, micaceous.
Fossils and pyrites present.
- 1252' -
1257' Cored No recovery.
Sample: Clay, brown, micaceous, fossil fragments.
- 1257' -
1262' Cored No recovery.
Sample: Clay, brown, micaceous, fossil fragments.
- 1262' -
1272' Core No. 2 Recovered 10'
Clay, brown, many specks of mica.
Fossils scarce.
- 1272' -
1287' Core No. 3 Recovered 3'
2'6" Clay, brown, many specks of mica.
Fossils scarce.
4" Limestone, siliceous, fine grained,
black grains and fossils present.
2" Clay, brown, micaceous.
- 1287' -
1296' Core No. 4 Recovered 10'
3'6" Clay, brown, micaceous with few fossils
and many black grains grading to bluish-
grey brown clay.
6'6" Sandstone, glauconitic, with many loose
and rounded pellets of limonite, few
fossils. Oil present.
- 1298' -
1299' Core No. 5 Recovered 2"
2" Glauconitic sandstone as above.
- 1301' -
1310 $\frac{1}{2}$ ' Core No. 6 Recovered 9'6"
7'6" Sandstone, glauconitic, fine grained,
with limonite pellets, fossils present.
2' Sandstone, glauconitic, fine grained
with mica and many grit size quartz fragments.
- 1310 $\frac{6}{8}$ ' -
1320' Core No. 7 Recovered 9'6"
5' Sandstone, very coarse grained, quartz
grains rounded and set in fine grained
glauconitic sandstone.
4'6" Sandstone, glauconitic, fine grained
with quartz, rounded, very coarse grained.

1320' -
 1330' - Core No. 8 Recovered 6'

3'2" Sandstone, glauconitic, fine-medium grained with several very coarse grained *rounded quartz grains.*

1' Sandstone as above, but large number of very coarse grained rounded quartz pieces.

3" Sand, fine to medium grained with pale brown clay cement, loosely consolidated.

1336' -
 1346' - Core No. 9 Recovered 5'

5' Sandstone, with some sand. Sandstone semi-consolidated, fine grained, micaceous, pale brown clay cement.

1346' -
 1356' - Core No. 10 Recovered 3'

1' Sandstone as above.

6" Sandstone as above, but with very coarse sand composed of clean quartz up to 1.5 mm diameter.

1'6" Sandstone, fine-grained, clay cemented, 1 band of lignitic material.

1356' -
 1366' - Core No. 11 Recovered 4'

3' Sandstone as above.

10" Granite, weathered.

2" Granite.

T.D. 1366'

CEMENTED OFF BOTTOM OF HOLE - 10 BAGS CEMENT.
 TOP OF HOLE TO BE CEMENTED AFTER DRAWING CASING.

LITHOLOGICAL LOG

Copied from Weekly Drilling Reports submitted
by the Company to the Department.

0' - 65'	Surface clay 18'. Drift sand 47'
65' - 75'	Sand and fine shells
75' - 76'	Hard band of shell
76' - 115'	Brown clay
115' - 330'	Grey-blue sandy marl 6" Casing to 157'.
330' - 428'	Polyzoal limestone
428' - 708'	Grey marl with hard bands
708' - 719'	Light green marl
719' - 725'	White limestone marl
725' - 983'	Greenish white marl
983' - 985'	Brown clay
985' - 996'	Grey marl
996' - 1055'	Greenish grey marl
1055' - 1252'	Brown micaceous clay with hard bands
1252' - 1296'	" " " . Cored recovered 1287' - 1296'
1296' - 1299'	Glauconite. Cored, no recovery.
	Plant changed. Water at 1020'.
	Bailed 2 pints oil and 38 gallons water.
1300' - 1310'	Glauconite - cored recovered 100% - 11 gallons oil
1310' - 1320'	Glauconite - cored recovered 100%
1320' - 1327'	" " " 100%
1327' - 1330'	Sand - cored 100% recovery
1330' - 1336'	Water sands - core 100% recovery
1336' - 1346'	Sandstone with layer of sand. 100% recovery.
1346' - 1356'	Sandstone - 30% recovery.
1356' - 1366'	Sandstone - 1' granite. 50% recovery

Cemented off bottom of hole - 10 bags
cement. Top of hole cemented after
drawing casing.

.

LITHOLOGY & STRATIGRAPHIC
INTERPRETATION

Location: lat. $37^{\circ}51'49''S$, long. $147^{\circ}57'53''E$, Parish of Colquhoun.

Year: 1957

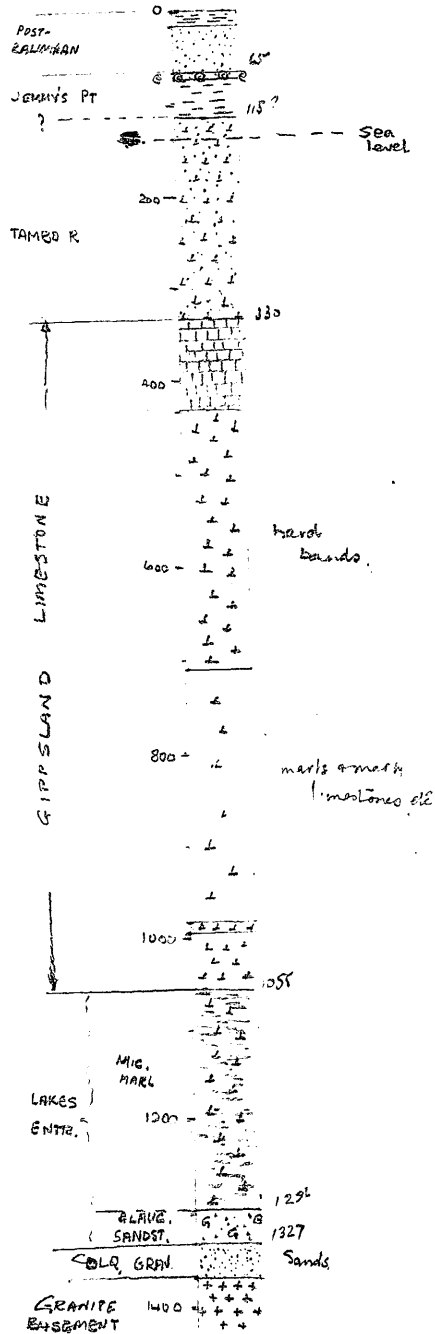
Elevation: 139 ft.

T.D.: 1366 ft.

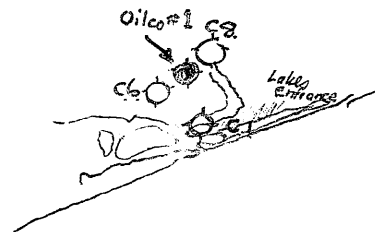
Driller's Log:

- 0-18 : surface clay
 18-65 : drift sand
 65-75 : sand and fine shells
 75-76 : hard band of shell
 76-115 : brown clay
 115-330 : grey-blue sandy marl
 330-428 : polyzoal limestone
 428-708 : grey marl with hard bands
 708-719 : light green marl
 719-725 : white limestone marl
 725-983 : greenish white marl
 983-985 : brown ~~mix~~ clay
 985-996 : grey marl
 996-1013 : greenish grey marl
 1013-1055 : greenish grey marl
 1055-1115 : brown micaceous clay with hard bands
 1115-1252 : brown micaceous clay with hard bands
 1252-1296 : brown micaceous clay, cored, recovered only 1287' to 1296'
 other Nil
 1296-1298 : cored in glauconite - no recovery
 1298-1299 : " " " " "
 - Water at 1020 ft. Bailed 2 pints Oil and 38 gallons water.
 1300-1310 ; cored in glauconite - 100% recovery = 11 gallons oil
 1310-1320 ; cored in glauconite - 100% recovery
 1320-1327 : glauconite - core 100% recovery
 1327-1330 : sand - core 100% recovery
 1330-1336 : water sands - core 100% recovery
 1336-1346 : sandstone with layers of sand - 100% recovery
 1346-1356 : sandstone - 30% recovery
 1356- 1366 ; sandstone - 1ft. of granite

Log interpretation

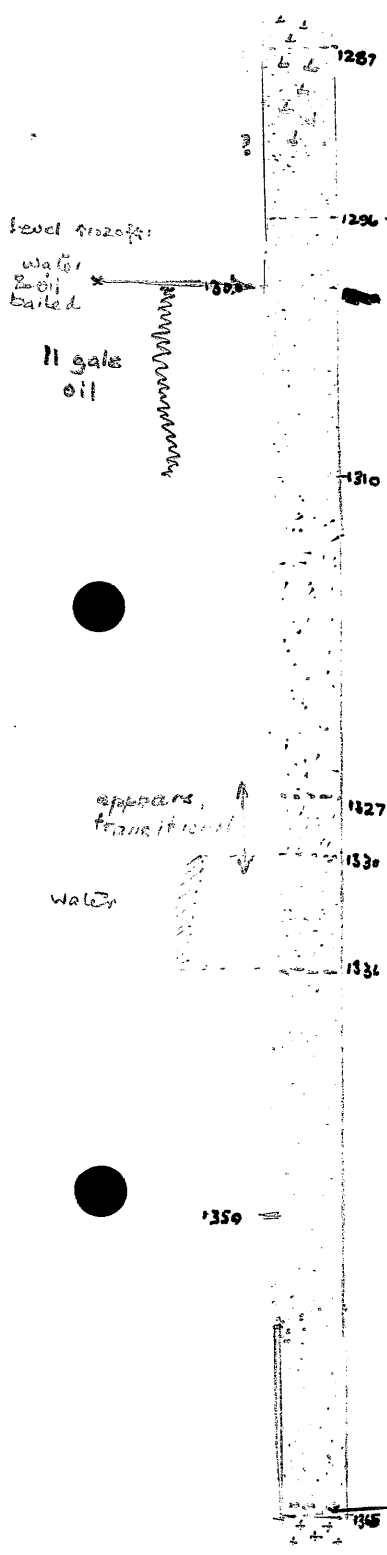
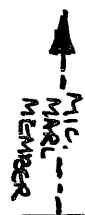


Location



OILCO No. 1

Log of Basal Tertiary Seals.



bn. ~~fine~~ micaceous marl, foraminiferal
gn. gy. glauc. mic. marl, shell material inc. small gastr. corals, etc.

gn. glauc. mic. sand, traces of polyzoa, etc. (rare forams, ? F.U.4).
sharks' teeth.
glauc. sand (driller's log).

[NO SAMPLES AVAILABLE]

predominantly a glauconitic grit, or glauc. gritty sandstone
hardened in parts by a ~~weak~~ calc. cement. traces of shell frags.
+ phosphatic cement polyzoa, etc.

glauc. sands . . . traces of moulds of tiny Gastropods, etc.

friable buff gy. micaceous sand, ~~is~~ sometimes a
Small amt. of glauc. ^{some} traces of
shell frags. Shark's teeth.

conglomerate:
Small pebbles & grains of pink feldspar, ferrug. cement
& GRANITE

GREEN SAND MEMBER
[approx. 40 feet]

SAND MEMBER
[35 feet]

Is the rest available?

Oilco No. 1

Lithologic Log. [BASAL TERTIARY]

2

1273-87: Hard tight grey faintly micaceous foraminiferal marl.

1287-96: Green glauconitic + micaceous sand, traces of weathered polyzoa.

1287-96: TOP: Greenish grey micaceous marl, small glauconitic grains, traces of shell material (small gastropods (sur), corals, etc.)

1310 1/2 - 20: Glauconitic grit, traces of shell frags & polyzoa. Cement appears to be an admixture of glauc. & calcareous (? dol.) medium.

More "muddy" & less gritty in parts.

Crilly glauc. + mic. sandstone.

V. hard green brown glauc. gritty sandstone, obviously sideritic. Coarse broken shell fragments occur occasionally.

1320-30: (a) Rel. friable & porous fine to med, even grained ^{glauc.} sandstone. mostly (b) Hard glauc. grit. Pale gr. glauc. ^{med} cement. Coit consists of dark brown ferruginous material, also some quartz.

1330: Chips of dark grey shaly material [CHECK THIS] Hard, used in hot 1:1 HCl.

1336-46: (a) Friable lt. gy sand, faintly micaceous & ? glauc. Traces of calc. shell frags.

(b) As above, buff colored (pinkish tinge) & more micaceous.

1346-56: Grey sandstone as above, micaceous, sl. harder, small ppn of coarse sand-fine grit material - rounded quartz ^{weak}. Calc cement (? dolomitic).

1356-66: As for 1336-46 (a), ~~fast~~ ^{apprec.} amt. of ^{white} mica.

~~1366-76~~

1356-66 BOT: Conglom. yellow br. ferrug. cement, coarse to finer pebbles of sub-rounded br/white material, ang. fragments of pink felspar & calc quartz. Calc cementing med. of some kind. v. BOT: Whitish green granitic material.

Washups, etc.

1287-96.

Abundant glauc. mud. Also lim. pellets & fine qtz. sand.
Rare coarse sand qtz. Rare ech. spire several Ditrupa fragment.
Shark's teeth.

1320-30.

Rare lim. moulds of forams. & gastropods
Green glauc. mud cemento pellets of glauc., med.
sized qtz grains, occas. coarser ones

1336-46

Frag. of shark's teeth.
Pred of fine quartz sand, also mica. Occas. grains of
glauc. s.limente. Rare glauc. or lim. moulds of ~~a~~ microscopic
juvenile (gastropods).

~~Mr. Brown~~

3rd Floor
399 L. Collins
81

1287-96

Red. glauc. sh. pellets set in a glauc.
(? oxid. by heating)
and v. little quartz sand.

1320-30

As above, gritty sandy quartz is a little more common.

1356-66:

Fine micaceous sand, some grains of glauc.

Rare coarse rounded grains.

[Cf. Sand in East Lake Tigers No. 1]

1336-46(a)

Quartz sand coarser than 1356-66. Glauc. grains not as common as quartz, but more occur than in 1356-66ft.

Sample

Rare grit-sized quartz

WEEKLY REPORTS

MINES DEPARTMENT

VICTORIA

Mines (Petroleum) Act, 1935.
Section 45.

Record of Work at OILCO LIMITED bore on
OILCO No. 1.

* Petroleum Prospecting Licence Number .248 during week
* ~~Petroleum-Mineral-Lease~~
ending August 29th, September, 1957.

DEPTH	DESCRIPTION OF STRATA
0' - 65'	Surface clay 18'. Drift Sand 47'.
65' - 75'	Sand and Fine shells.
75' - 76'	Hard band of shell.
76' - 115'	Brown clay.
115' - 330'	Grey-blue sandy marl.
330' - 428'	Polyzoal limestone.

Notes by Driller in Charge (State in notes whether water, gas or petroleum has been met with, and, if so, give depth and nature of occurrence, also depth to which casing has been inserted and cemented.)

6" casing to 157 feet.

SIGNED OILCO LIMITED.

LEGAL MANAGER COY.

Date ..17./..9../.57..

DW 23.9.57
N.B. - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

Analyses of water, gas and oil should be submitted if available.

MINES DEPARTMENT

VICTORIA

Mines (Petroleum) Act, 1935.
Section 45.

Record of Work atOILCO.LIMITED...OILCO.No.,.1,.... bore on

* Petroleum Prospecting Licence Number .248..... during week
* ~~Petroleum-Mineral-Lease~~
ending ..7th..September,..... 19.57.

DEPTH	DESCRIPTION OF STRATA
428' - 708'	Grey marl with hard bands.
708' - 719'	Light green marl.
719' - 725'	White limestone marl.
725' - 983'	Greenish white marl.
983 - 985'	Brown clay.
985' - 996'	Grey marl.
996' - 1013'	Greenish grey marl.

Notes by Driller in Charge (State in notes whether water, gas or petroleum has been met with, and, if so, give depth and nature of occurrence, also depth to which casing has been inserted and cemented.)

Handwritten notes:
23.9.57
22.9.57

SIGNED ..OILCO.LIMITED.....

LEGAL MANAGER COY.

Date .17../...9../.1957..

N.B. - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

Analyses of water, gas and oil should be submitted if available.

MINES DEPARTMENT

VICTORIA

Mines (Petroleum) Act, 1935.
Section 45.

Record of Work at OILCO LIMITED - OILCO No. 1. bore on

* Petroleum Prospecting Licence Number 248. during week
* ~~Petroleum Mineral Lease~~
ending 14th. September, 19.57.

DEPTH	DESCRIPTION OF STRATA
1013' - 1055'	Greenish grey marl.
1055' - 1115'	Brown Micacious clay with hard bands.
1115' - 1252'	Brown Micacious clay with hard bands.
1252' - 1296'	Brown Micacious clay, cored, recovery only
	1287' to 1296' other Nil.

Notes by Driller in Charge (State in notes whether water, gas or petroleum has been met with, and, if so, give depth and nature of occurrence, also depth to which casing has been inserted and cemented.)

SIGNED OILCO LIMITED.

LEGAL MANAGER COY.

Date 31. / 10. / 57. .

N.B. - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

Analyses of water, gas and oil should be submitted if available.

1296' x x oil, 99' 1300

MINES DEPARTMENT

VICTORIA

Mines (Petroleum) Act, 1935.
Section 45.

Record of Work atOILCO LIMITED.-.OILCO.No.1. bore on

* Petroleum Prospecting Licence Number ...248..... during week
~~* Petroleum Mineral Lease~~
ending21st. September... 1957.

DEPTH	DESCRIPTION OF STRATA
1296' - 1298'	Cored in Clauconite - no recovery.
1298' - 1299'	Cored in Glauconite - no recovery.

Notes by Driller in Charge (State in notes whether water, gas or petroleum has been met with, and, if so, give depth and nature of occurrence, also depth to which casing has been inserted and cemented.)

SIGNEDOILCO LIMITED,.....

LEGAL MANAGER COY.

Date ..31./..10./..57..

N.B. - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

Analyses of water, gas and oil should be submitted if available.

MINES DEPARTMENT

VICTORIA

Mines (Petroleum) Act, 1935.
Section 45.

Record of Work atOILCO LIMITED.-.OILCO.No.1..... bore on

* Petroleum Prospecting Licence Number248..... fortnight
~~* Petroleum Mineral Lease~~ during week
 ending ...5th..October..1957, 19...

DEPTH	DESCRIPTION OF STRATA
	Rig returned to site. Water at 1020 ft.
	Bailed 2 pints Oil and 38 gallons water.
1300' - 1310'	Bored in Glauconite - 100% recovery - 11 gallons oil.
1310' - 1320'	Cored in Glauconite - 100% recovery.

Notes by Driller in Charge (State in notes whether water, gas or petroleum has been met with, and, if so, give depth and nature of occurrence, also depth to which casing has been inserted and cemented.)

SIGNED OILCO LIMITED.
 LEGAL MANAGER COY.

Date .31.../.10.../57... .

N.B. - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.
 Analyses of water, gas and oil should be submitted if available.

MINES DEPARTMENT

VICTORIA

Mines (Petroleum) Act, 1935.
Section 45.

Record of Work at OILCO LIMITED-OILCO No. 1 bore on

* Petroleum Prospecting Licence Number 248..... during week
* ~~Petroleum Mineral Lease~~
ending ... 12th. October, 1957.

DEPTH	DESCRIPTION OF STRATA
1320' - 1327'	Glauconite - core 100% recovery.
1327' - 1330'	Sand - core 100% recovery.
1330' - 1336'	Water sands - core 100% recovery.
1336' - 1346'	Sandstone with layers of sand. 100% recovery.
1346' - 1356'	Sandstone. 30% recovery.
1356' - 1366'	Sandstone - 1 ft. granite. 50% recovery.

Notes by Driller in Charge (State in notes whether water, gas or petroleum has been met with, and, if so, give depth and nature of occurrence, also depth to which casing has been inserted and cemented.)

Cemented off botton of hole - 10 bags cement.

Top of hole to be cemented after drawing casing.

Dr. Thomas
Copies (4 folders)
Approved file
11.11.57

SIGNED OILCO LIMITED.....

LEGAL MANAGER COY.

Date ... 31/... 10/... 57.. .

N.B. - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

Analyses of water, gas and oil should be submitted if available.

PE603563

This is an enclosure indicator page.
The enclosure PE603563 is enclosed within the
container PE906187 at this location in this
document.

The enclosure PE603563 has the following characteristics:

- ITEM_BARCODE = PE603563
- CONTAINER_BARCODE = PE906187
- NAME = Lithological Log
- BASIN = GIPPSLAND
- PERMIT = PPL248
- TYPE = WELL
- SUBTYPE = WELL_LOG
- DESCRIPTION = Lithological Log and drilling rate (from
Well Elementary) for Oilco-1
- REMARKS = Hand-coloured
- DATE_CREATED = 25/10/57
- DATE_RECEIVED =
- W_NO = W453
- WELL_NAME = OILCO-1
- CONTRACTOR =
- CLIENT_OP_CO = OILCO LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)