

Natural Resources and Environment



AGRICULTURE • RESOURCES • CONSERVATION • LAND MANAGEMENT

	WE	LL	su	MM	ARY	*		
GIPPSLAND-4 (W436)								
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	
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file atti atti (2) RI co re (4 nu be	FILE COVE DLIO NUMBERS: Each subject pape e is to be given a consecutive r taching officer. Papers must not be re- tached to a file without approval. EFERRAL TO OTHER OFFICERS: W impletes action on the file and fur quired by some other Officer, please) and on the next vacant line, enter t imber in Column (1), indicate to who e forwarded in Column (2) and reco- plumn (3). REGISTRY MUST BE NO	number by the emoved from or /hen an Officer rther action is a initial Column he relevant folio om the file is to ord the date in	 (3) BRINC require (4) an folio n by the date th (4) PUTAV comple and, o 	a UP MARKIN ad at a later da d, on the next umber in Colun action officer' ne file is require VAY MARKING: ated the officer n the next vaca	GS: When action on a file is te, the officer will initial Column vacant line, enter the relevant in (1), then write "B/U" followed s name in Column (2) and the ed in Column (3). S: When ALL action on a file is concerned will initial Column (4) nt line, write "P/A" in column (2).	_OCATIO		

EARLIER FILES		LATER FILES	RECORDS DISPOSITION	
		RELEVANT FILES	·	
File No.		Subject		
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SYMBOLS FOR ACTION OFFICERS

EXECUTIVE

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Secretary	SEC
Deputy Secretary	DS
Executive Director Portfolio Management	EDPM
Executive Director Performance Evaluation	EDPE
Executive Director Primary Industries and Chief Scientist	EDPI,CS
Executive Director Catchment Mgt & Sustainable Agriculture	EDCMSA
Executive Director Minerals and Petroleum	EDMP
Executive Director Forests Service	EDFS
Executive Director Parks, Flora and Fauna	EDPF
Executive Director Land Victoria	EDLV
Executive Director Regional Services	EDRS

CORPORATE MANAGEMENT

General Manager Corporate Services Chief Finance Officer Manager Information Technology Strategies Director Capital Policy Director Human Resources Director Planning & Budget 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	GMCS CFNO MITS DCP DHR DPB DITT DBR MBI MAPP MMAO MCCI
•	MCCI MEIS MLIS

MINERALS AND PETROLEUM

Manager Petroleum Development	MPD
Manager Geological Survey Victoria	MGSV
Manager Mineral & Petroleum Operations	MMPO
Manager Minerals Development	MMD
Manager Extractive Industries	MEI
Manager Minerals & Petroleum Titles	MMPT

PRIMARY INDUSTRIES & CHIEF SCIENTIST

Manager Plant StandardsMChief Veterinary OfficerCDirector Bureau of Animal WelfareCDirector FisheriesCDirector Quality AssuranceC	MCSB MPS CVO DBAW DF DQA DA
Director Agribusiness D	DA

PERFORMANCE EVALUATION

Chief Economist	CE
Manager Internal Audit & Risk Mgt Policy	MIARMP
Manager Strategic Quality Assurance	MSQA
CATCHMENT MGT & SUSTAINABLE AGRICULTURE	
Program Manager Pest Plants & Animals	PMPPA
Director Catchment & Water Resources	DCWR
Director Sustainable Development	DSD
Director Office of Rural Affairs	DORA
Director Natural Resource Policy	DNRP
FORESTS SERVICE	
Manager Commercial Forestry	MCF
Chief Fire Officer	CFO
Manager Forest Management	MFM
Manager Regional Forests Agreements	MRFA
PARKS, FLORA & FAUNA	
Manager Parks & Reserves	MPR
Manager Business Management Parks, Flora & Fauna	MBMPFF
Manager Flora & Fauna	MFF
Manager Coasts & Ports	MCP
LAND VICTORIA	
Director Geospatial Information	DGI
Director Resources & Reform	DRR
Surveyor General	SG
Valuer General	VG
Director Land Registry	DL R
Director Crown Land Management	DCLM
PORTFOLIO MANAGEMENT	
Director Water Agencies	DWA
Manager Portfolio Coordination	MPC
Manager Environmental Policy	MEP
Manager Policy Support	MPOS
Director Media	DM

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GIPPSLAND-4 (W436)

Well Summary Report

Table of Contents

Well Summary Card

Lithology

Weekly Reports

PE904192

This is an enclosure indicator page. The enclosure PE904192 is enclosed within the container PE906080 at this location in this document.

The enclosure PE904192 has the following characteristics: ITEM_BARCODE = PE904192 CONTAINER_BARCODE = PE906080 NAME = well card BASIN = GIPPSLAND PERMIT = PPL/68TYPE = WELL SUBTYPE = WELL_CARD DESCRIPTION = well card (enclosure from Well Summary) Gippsland 4 REMARKS = DATE_CREATED = 28/02/48DATE_RECEIVED = W NO = W436WELL_NAME = Gippsland-4 CONTRACTOR = Gippsland Oil Co NL CLIENT_OP_CO = Gippsland Oil Co NL

(Inserted by DNRE - Vic Govt Mines Dept)

LITHOLOGY

GIPPSLAND OIL CO. LTD. - GIPPSLAND NO.4.

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Lithological Log copied from Weekly Drilling Reports submitted by the company to the Department.

01		271	Sandy clay
271		31'	Drift sand
31'		40 '	Sandy clay
40 '	-	92!	Yellow marl
92'		326	Grey marl
326'		403'	Polyzoal limestone
403 '	-	415 '	Grey marl
415'		675'	Sticky grey marl
675 '	-	696 '	Grey marl
696		745 '	Green grey marl
745'	-	806'	Greeny grey marl
8061		807'6"	Hard band
80716"		827'	Light grey marl
8271		887'	Blue grey marl
8871	-	910 '	Light grey marl
910 '	••••	915'	Blue grey marl
915 '	-	920'	Polyzoal
920 '	-	950 '	Light grey marl
9501		993	Light green marl
993 '		1046'	Dark grey marl
1046'		1149'	Brown micaceous clay
1149		1151'	Hard band limestone
11511		1165'	Brown micaceous clay
1165		1166'	Hard band limestone
1166.	electr-	12061	Brown micaceous clay
1206	-	1207	Hard band limestone
1207		1279'	Brown micaceous clay
1279'	-	1280'	Glauconitic sandstone
1280'	-	1295'	Glauconite.

Last depth reported 1295'

TD 1,8 5 A-

W436

WEEKLY REPORTS -detailing hydrocarbon shows.

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kage 1 of 222.

VICTORIA.

Mines (Petroleum) Act 1935. SECTION 45. GIPPSLAND - 4

Record of Work at No. 4 W436. bore on

*Petroleum Prospecting Licence Number 68 *Petroleum-Mineral-Lease during week

ending December 25th. 19 47.

DEPTH	DESCRIPTION OF STRATA			
0-27	SANDY CLAY			
27-31	DRIFT SAND			
31-4 0	SANDY CLAY			
40-92	YELLOW MARL			
92-101	GREY MARL			
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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. N.B.—The Act also requires the Minister to be notified immediately water, gas, or petroleum is encountered.)

8" Casing seated at 101 ft. 6 in.

GIPPSLAND SOILD COMPANY LIMITED Signed Secretary Legal Manager Coy.

15 1,48 Date...

* Strike out words not applicable. Analyses of water, gas and oil should be submitted if available.

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Section 19.—(1) The holder of a licence shall employ in drilling operations only such methods of drilling as are capable of yielding a core or other samples as is or are prescribed or is or are approved by the Minister.

(2) In the event of water associated with a petroleum deposit being encountered in the course of drilling operations, the holder of the licence shall immediately report the same in writing to the Minister and state the steps taken to deal with it.

(3) In the event of the continuance of drilling operations after water has been encountered as aforesaid, the holder of the licence shall shut off all water so encountered and take such other steps as may be prescribed.

(4) In the event of traces of petroleum, including natural gas, appearing during drilling operations, the holder of the licence shall immediately report the same to the Minister, and shall carry out such operations to test the extent and value of the occurrence of such petroleum as the Minister by notice in writing directs.

(5) In the event of preliminary tests indicating the probability of payable petroleum, the holder of the licence shall-

(a) immediately report thereon to the Minister in writing; and

(b) carry out thereafter such operations as may be necessary to test the value of the occurrence of such petroleum as may be approved by the Minister.

Section 45.—Every licensee and lessee shall keep a log, in the form prescribed by the Minister, of all the wells drilled by him showing the strata and character of the ground passed through by the drill, which log or a copy thereof shall from time to time be furnished to the Minister upon demand.

Section 48.—Every licensee and every lessee, unless in any case wholly or partially excused from so doing by the Minister, shall properly case each well with casing in accordance with the best approved methods, landing and effectually cementing one or more strings of the casing in clay or other water-impervious strata or formation between all water-bearing sands or strata and any underlying petroleum deposit, and generally shall take all such steps as are reasonably necessary for effectually shutting off all water overlying and underlying the petroleum deposits, and for effectually preventing any water from penetrating such petroleum deposits.

EXTRACT FROM THE MINES (PETROLEUM) ACT 1939.

Section 7 (6) .- Every licensee shall-

VICTORIA.

Mines (Petroleum) Act 1935. SECTION 45.

bore on
during week

DEPTH	DESCRIPTION OF STRATA				
101-326	GREY MARL.				
326-403	POLYZOAL LIMESTONE.				
403-415	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. N.B.—The Act also requires the Minister to be notified immediately water, gas, or petroleum is encountered.)

GIPPSLAND OIL COMPANY LIMITED. Signed Director etary Coy. Legal Manager.

Date 15/ 1/48

* Strike out words not applicable. Analyses of water, gas and oil should be submitted if available.

Section 19.—(1) The holder of a licence shall employ in drilling operations only such methods of drilling as are capable of yielding a core or other samples as is or are prescribed or is or are approved by the Minister.

(2) In the event of water associated with a petroleum deposit being encountered in the course of drilling operations, the holder of the licence shall immediately report the same in writing to the Minister and state the steps taken to deal with it.

(3) In the event of the continuance of drilling operations after water has been encountered as aforesaid, the holder of the licence shall shut off all water so encountered and take such other steps as may be prescribed.

(4) In the event of traces of petroleum, including natural gas, appearing during drilling operations, the holder of the licence shall immediately report the same to the Minister, and shall carry out such operations to test the extent and value of the occurrence of such petroleum as the Minister by notice in writing directs.

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EXTRACT FROM THE MINES (PETROLEUM) ACT 1939.

Section 7 (6).—Every licensee shall—

VICTORIA.

Mines (Petroleum) Act 1935. SECTION 45.

Record of W	ork at	No.	4			bore on
*Petroleum Prospe *Petroleum-Miner	cting Licence _N al-Lease	Number .		68	duri	ng week
ending January	<u>7 3rd.</u>	19	<u>48.</u>	·		- - -
DEPTH		DES	CRIPTIC	ON OF ST	RATA	
415-660	STICKY	GREY MA	RL			

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

Struck water at 350 ft.

Water level 104 ft.

GIPPSLAND OIL COMPANY LIMITED Signed. Director Secretary Coy. Legal Manager

Date 15 1 48

* Strike out words not applicable. Analyses of water, gas and oil should be submitted if available.

Section 19.—(1) The holder of a licence shall employ in drilling operations only such methods of drilling as are capable of yielding a core or other samples as is or are prescribed or is or are approved by the Minister.

(2) In the event of water associated with a petroleum deposit being encountered in the course of drilling operations, the holder of the licence shall immediately report the same in writing to the Minister and state the steps taken to deal with it.

(3) In the event of the continuance of drilling operations after water has been encountered as aforesaid, the holder of the licence shall shut off all water so encountered and take such other steps as may be prescribed.

(4) In the event of traces of petroleum, including natural gas, appearing during drilling operations, the holder of the licence shall immediately report the same to the Minister, and shall carry out such operations to test the extent and value of the occurrence of such petroleum as the Minister by notice in writing directs.

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EXTRACT FROM THE MINES (PETROLEUM) ACT 1939.

Section 7 (6).-Every licensee shall-

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VICTORIA.

Mines (Petroleum) Act 1935. SECTION 45.

Record of Work at No. 4bore on

*Petroleum Prospecting Licence Number 68 during week

ending January 10th 19.48.

DEPTH	DESCRIPTION OF STRATA
660-675	STICKY GREY MARL.
675-696	GREY MARL.
696-745	GREEN 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. N.B.—The Act also requires the Minister to be notified immediately water, gas, or petroleum is encountered.)

Ban 6" casing at 730 ft.

GIPPSLAND OIL COMPANY LIMITED Signed.Director Coy. Legal Manager

Date 15/ 1/48.

* Strike out words not applicable. Analyses of water, gas and oil should be submitted if available.

door grade

Section 19.—(1) The holder of a licence shall employ in drilling operations only such methods of drilling as are capable of yielding a core or other samples as is or are prescribed or is or are approved by the Minister.

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(3) In the event of the continuance of drilling operations after water has been encountered as aforesaid, the holder of the licence shall shut off all water so encountered and take such other steps as may be prescribed.

(4) In the event of traces of petroleum, including natural gas, appearing during drilling operations, the holder of the licence shall immediately report the same to the Minister, and shall carry out such operations to test the extent and value of the occurrence of such petroleum as the Minister by notice in writing directs.

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EXTRACT FROM THE MINES (PETROLEUM) ACT 1939.

Section 7 (6).-Every licensee shall-

VICTORIA.

Mines (Petroleum) Act 1935. SECTION 45.

Record	of	W	ork	at	No. 4	<u>+</u>	 	 bore	on

*Petroleum Prospecting Licence Number 68 during week

ending January 17th 19 48

DEPTH	DESCRIPTION OF STRATA
745-8 06	GREENY GREY MARL
80 6- 807*6*	HARD BAND
80716"-827	LIGHT GREY MARL
827-845	BLUE 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. N.B.—The Act also requires the Minister to be notified immediately water, gas, or petroleum is encountered.)

a Signed

GIPPSLAND CIL COMPANY LIMITED Legal Manager

6,2,48 Date ...

* Strike out words not applicable.

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

Section 19.—(1) The holder of a licence shall employ in drilling operations only such methods of drilling as are capable of yielding a core or other samples as is or are prescribed or is or are approved by the Minister.

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EXTRACT FROM THE MINES (PETROLEUM) ACT 1939.

Section 7 (6).-Every licensee shall-

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VICTORIA.

Mines (Petroleum) Act 1935. SECTION 45.

Record	of	Wa	ork	at No. 4 bore or

*Petroleum Prospecting Licence *Petroleum Mineral Lease 68 during week

ending January 24th 19 48

DEPTH	DESCRIPTION OF STRATA
845-887	BLUE GREY MARL
88 7-91 0	LIGHT GREY MARL
910-915	BLUE GREY MARL
915-920	POLYZOAL
920-950	LIGHT GREY MARL
950-980	LIGHT GREEN 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. N.B.—The Act also requires the Minister to be notified immediately water, gas, or petroleum is encountered.)

886-914 Slight showing of gas

960-980 Slight increase in gas

Signed.

Legal Manager GIPPSLAND OIL COMPANY LIMITED Coy.

2,48. Date

* Strike out words not applicable. Analyses of water, gas and oil should be submitted if available,

Section 19.—(1) The holder of a licence shall employ in drilling operations only such methods of drilling as are capable of yielding a core or other samples as is or are prescribed or is or are approved by the Minister.

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EXTRACT FROM THE MINES (PETROLEUM) ACT 1939.

Section 7 (6).-Every licensee shall-

VICTORIA.

Mines (Petroleum) Act 1935. Section 45.

Record of Work	at No• 4	bore on

*Petroleum Prospecting Licence Number 68 during week

ending January 31st 19 48

DEPTH	DESCRIPTION OF STRATA
980-993	LIGHT GREEN MARL
993-1046	DARK GREY MARL
1046-1075	BROWN MICACEOUS CLAY

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

al Signed Coy.

Legal Manager

2,48. Date

* Strike out words not applicable. Analyses of water, gas and oil should be submitted if available.

Section 19.—(1) The holder of a licence shall employ in drilling operations only such methods of drilling as are capable of yielding a core or other samples as is or are prescribed or is or are approved by the Minister.

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EXTRACT FROM THE MINES (PETROLEUM) ACT 1939.

Section 7 (6).-Every licensee shall-

VICTORIA.

Mines (Petroleum) Act 1935. SECTION 45.

Record	of Work at	No. 4		bore	on _.
*Petroleum *Petroleum	Prospecting Licence	Number	68	during w	eek

ending February 7th 19 48

DEPTH	DESCRIPTION OF STRATA		
1075-1144	BROWN MICACEOUS CLAY		
i			

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

6" CASING TO 1129 FT.

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Signed.

GIRPELAND OIL COMPANY LIMITED

....Coy.

Legal Manager....

Date 13/2/48.

* Strike out words not applicable. Analyses of water, gas and oil should be submitted if available.

Section 19.—(1) The holder of a licence shall employ in drilling operations only such methods of drilling as are capable of yielding a core or other samples as is or are prescribed or is or are approved by the Minister.

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VICTORIA.

Mines (Petroleum) Act 1935. SECTION 45.

Record of Work at	NO• 4	bore on
*Petroleum Prospecting Licence *Petroleum-Mineral-Lease	Number 68	during week

ending February 14th 19 48

DEPTH	DESCRIPTION OF STRATA
1144-1149	BROWN MICACEOUS CLAY
1149-1151	HARD BAND LIMESTONE
115 1-1165	BROWN MICACEOUS CLAY
1165-1166	HARD BANK LIMESTONE
1166-1206	BROWN MICACEOUS CLAY
1206-1207	HARD BAND LIMESTONE
1207-1233	BROWN MICACEOUS CLAY.

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

6" CASING RUN TO 1228 ft.

0 Signed.

1) (f.

Legal Manager GIPPSLAND OIL COMPANY LIMITED Coy.

/

* Strike out words not applicable. Analyses of water, gas and oil should be submitted if available.

Section 19.—(1) The holder of a licence shall employ in drilling operations only such methods of drilling as are capable of yielding a core or other samples as is or are prescribed or is or are approved by the Minister.

(2) In the event of water associated with a petroleum deposit being encountered in the course of drilling operations, the holder of the licence shall immediately report the same in writing to the Minister and state the steps taken to deal with it.

(3) In the event of the continuance of drilling operations after water has been encountered as aforesaid, the holder of the licence shall shut off all water so encountered and take such other steps as may be prescribed.

(4) In the event of traces of petroleum, including natural gas, appearing during drilling operations, the holder of the licence shall immediately report the same to the Minister, and shall carry out such operations to test the extent and value of the occurrence of such petroleum as the Minister by notice in writing directs.

(5) In the event of preliminary tests indicating the probability of payable petroleum, the holder of the licence shall-

(a) immediately report thereon to the Minister in writing; and

(b) carry out thereafter such operations as may be necessary to test the value of the occurrence of such petroleum as may be approved by the Minister.

Section 45.—Every licensee and lessee shall keep a log, in the form prescribed by the Minister, of all the wells drilled by him showing the strata and character of the ground passed through by the drill, which log or a copy thereof shall from time to time be furnished to the Minister upon demand.

Section 48.—Every licensee and every lessee, unless in any case wholly or partially excused from so doing by the Minister, shall properly case each well with casing in accordance with the best approved methods, landing and effectually cementing one or more strings of the casing in clay or other water-impervious strata or formation between all water-bearing sands or strata and any underlying petroleum deposit, and generally shall take all such steps as are reasonably necessary for effectually shutting off all water overlying and underlying the petroleum deposits, and for effectually preventing any water from penetrating such petroleum deposits.

EXTRACT FROM THE MINES (PETROLEUM) ACT 1939.

Section 7 (6).-Every licensee shall-

VICTORIA.

Mines (Petroleum) Act 1935. SECTION 45.

Record of Work at No. 4 bore on *Petroleum Prospecting Licence Number 68 during week

ending Twenty-first February 19 48

*Petroleum Mineral -Lease

DESCRIPTION OF STRATA
BROWN MICACEOUS CLAY
GLAUCONITE SANDSTONE
12nx

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

CLEANED OUT BORE DUMPED FRESH WATER ON BOTTOM

FILLED WITH WATER AND CEMENTED BORE WITH SIX

BAGS OF STANDARD CEMENT.

1281 ft. 4 in. of 6" CASING RUN.

Spalme Signed.

Legal Manager OIPPSLAND OIL COMPANY LIMITE Coy.

Date 3/3/48

* Strike out words not applicable. Analyses of water, gas and oil should be submitted if available.



Section 19.—(1) The holder of a licence shall employ in drilling operations only such methods of drilling as are capable of yielding a core or other samples as is or are prescribed or is or are approved by the Minister.

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Section 48.—Every licensee and every lessee, unless in any case wholly or partially excused from so doing by the Minister, shall properly case each well with casing in accordance with the best approved methods, landing and effectually cementing one or more strings of the casing in clay or other water-impervious strata or formation between all water-bearing sands or strata and any underlying petroleum deposit, and generally shall take all such steps as are reasonably necessary for effectually shutting off all water overlying and underlying the petroleum deposits, and for effectually preventing any water from penetrating such petroleum deposits.

EXTRACT FROM THE MINES (PETROLEUM) ACT 1939.

Section 7 (6).-Every licensee shall-

VICTORIA.

Mines (Petroleum) Act 1935. SECTION 45.

Record of Work at	No. 4	bore on
*Petroleum Prospecting Licence *Petroleum-Mineral-L&&&	Number 68	during week

ending February 28th 19 48

DEPTH	DESCRIPTION OF STRATA	
1280-1295	GLAUCONITE	

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

CEMENT DRILLED OUT, BORE BAILED OUT, GLAUCONITE

CORED FROM 1280-1295. FREE OIL ENCOUNTERED.

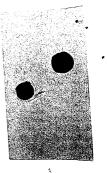
,

Signed

Legal Manager_____GIPPSLAND CIL COMFANY LIMITED.

Date 3/3/48.

* Strike out words not applicable. Analyses of water, gas and oil should be submitted if available.



Section 19.—(1) The holder of a licence shall employ in drilling operations only such methods of drilling as are capable of yielding a core or other samples as is or are prescribed or is or are approved by the Minister.

(2) In the event of water associated with a petroleum deposit being encountered in the course of drilling operations, the holder of the licence shall immediately report the same in writing to the Minister and state the steps taken to deal with it.

(3) In the event of the continuance of drilling operations after water has been encountered as aforesaid, the holder of the licence shall shut off all water so encountered and take such other steps as may be prescribed.

(4) In the event of traces of petroleum, including natural gas, appearing during drilling operations, the holder of the licence shall immediately report the same to the Minister, and shall carry out such operations to test the extent and value of the occurrence of such petroleum as the Minister by notice in writing directs.

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EXTRACT FROM THE MINES (PETROLEUM) ACT 1939.

Section 7 (6).-Every licensee shall-