

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

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

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

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

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

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

PORTFOLIO MANAGEMENT

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

DWA
MPC
MEP
MPOS
DM

**WELL SUMMARY
DUTSON-1
(W417)**

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APPENDIX.....

1.0 Well Card

2.0 Weekly Drilling Reports

● **3.0 Lithological Descriptions**



1.0 Well Card



PE904158

This is an enclosure indicator page.
The enclosure PE904158 is enclosed within the
container PE905463 at this location in this
document.

The enclosure PE904158 has the following characteristics:

ITEM_BARCODE = PE904158
CONTAINER_BARCODE = PE905463
NAME = Dutson 1 Well Card
BASIN = GIPPSLAND
PERMIT = PPL82
TYPE = WELL
SUBTYPE = WELL_CARD
DESCRIPTION = Dutson 1 Well Card
REMARKS =
DATE_CREATED = 31/08/39
DATE_RECEIVED =
W_NO = W417
WELL_NAME = Dutson-1
CONTRACTOR = Great Eastern Oil Co. N.L
CLIENT_OP_CO = Great Eastern Oil Co. N.L

(Inserted by DNRE - Vic Govt Mines Dept)



2.0 Weekly Drilling Report



MINES DEPARTMENT.
Victoria.

M I N E S (P E T R O L E U M) A C T 1935.
Section 45.

Record of work at ... No. 1 (Dulson) bore on

* Petroleum Prospecting Licence Number ... 82 during week
~~Petroleum Mineral Lease~~
ending ... 11 March 19 39

Depth	Description of Strata
Surface to 51 ft.	Surface layers (yellow) & gravel
51 - 54	Grey sand - dry + caving
54 - 70	Tough grey clay
70 - 72	Sandy clay
72 - 76	Grey drift sand
76 - 79	Sandy clay
79 - 110	Heavy sand
110 - 118	Brown sandstone
118 - 149	Heavy sand + coarse gravel
149 - 154	Fine white drift.
154 - 160	Coarse sand.

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.)

Water struck at 72' 110' 149'
10" casing down to 160'

Signed J.A. Morrison
Legal Manager GREAT EASTERN OIL COMPANY
Date 14 APR 1939

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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.

(b) All cores or samples so obtained shall be preserved by the holder of the licence for a period of not less than twelve months.

(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 may be approved by the Minister.

(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 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.

MINES DEPARTMENT.
Victoria.

M I N E S (P E T R O L E U M) A C T 1935.

Section 45.

Record of work at *No. 1 (Dulson)* bore on

* Petroleum Prospecting Licence Number *82* during week

~~Petroleum Mineral Lease~~
ending *18 March* 19 *39*.

Depth

Description of Strata

160. 237.	Sand. Fine drift, coarse drift, packed sand.
237 - 240	Silty sand with mica pieces of wood & bark
240 - 244	Glaucous sand.
244. 250	Greenish shelly marl
250 - 257	Sticky marl with firm bands limestone
257 - 362	Polyzoal
362 379	" & marl
379 / 384	Hard 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. N.B. The Act also requires the Minister to be notified immediately water, gas, or petroleum is encountered.)

Water shut off at 254 feet
10" casing down 254 feet

Signed *J. Morrison*
GREAT EASTERN OIL COMPANY
Legal Manager *NO LIABILITY* Coy
Date *12 APR 1939*

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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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MINES DEPARTMENT.
Victoria.

MINES (PETROLEUM) ACT 1935.

Section 45

Record of work at No. 1 (Outson) bore on

* Petroleum Prospecting Licence Number 8V during week

~~Petroleum Mineral Lease~~
ending 25 March 1939

Depth Description of Strata

380/580

Marls, sticky greenish grey in color, with bands of firm to hard limestone and seams firm polyzoal.
Hard limestone at 380-386
392-393, 395-400.
firm from 400-490. Sticky marl 490-510.
Very sticky 510-580
firm polyzoal limestone 400-490 highly fossilized.

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.)

Signed J. Morrison
GREAT EASTERN OIL COMPANY
Legal Manager NO LIABILITY Coy
Date 14 APR 1939

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

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MINES DEPARTMENT.

Victoria.

MINES (PETROLEUM) ACT 1935.

Section 45.

Record of work at *No. 1 (Culson)* bore on

* Petroleum Prospecting Licence Number *82* during week

ending *1 April* 19 *29*

Depth

Description of Strata

580/765.

*All tough sticky marl with
hard limestone bands at
668' 666' 671' 680' 744'
747' 761' -*

*Bands from 6 to 15 inches
in thickness & very hard.*

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.)

Signed *J. Morrison*

Legal Manager **GREAT EASTERN OIL COMPANY**

Date *1/4/39*

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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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(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.

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

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MINES DEPARTMENT.
Victoria.

MINES (PETROLEUM) ACT 1935.
Section 45.

Record of work at No. 1 (Dutson) bore on

* Petroleum Prospecting Licence Number 82 during week
~~Petroleum Mining Lease~~
ending 3rd April 1939

Depth	Description of Strata
765/870.	All very tough & sticky marl, light greenish & greenish grey in color.

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.)

Drilling slow.

Signed [Signature]
Legal Manager [Signature] GREAT EASTERN OIL COMPANY
Date 14 APR 1939 NO LIABILITY

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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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MINES DEPARTMENT.
Victoria.

MINES (PETROLEUM) ACT 1935.
Section 45.

Record of work at Bulson Well No. 1 bore on
* Petroleum Prospecting Licence Number 22 during week
~~Petroleum Mineral Lease~~
ending 15th April 1939.

Depth Description of Strata

870/
966.

Sticky grey & greenish
grey marl with seams
from to hard 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. N.B. The Act also requires the Minister to be notified immediately water, gas, or petroleum is encountered.)

Progress slow owing to tough sticky nature of strata. Had breakdown temper screw Thursday 13th. Borrowed one from Mr Logan (Signal Hill) whilst ours being repaired.

Signed J. Thomson

Legal Manager GREAT EASTERN OIL COMPANY
Date 8.1.6.139 NO LIABILITY Coy

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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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MINES DEPARTMENT.
Victoria.

M I N E S (P E T R O L E U M) A C T 1935.
Section 45.

Record of work at Dutton Well No. 1 bore on
* Petroleum Prospecting Licence Number 82 during week
~~Petroleum Mineral Lease~~
ending 22. April 1939...

Depth Description of Strata

966/
1070.

Tough sticky shale - Grey
& greenish grey in color.
Bands of firm to hard
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. N.B. The Act also requires the Minister to be notified immediately water, gas, or petroleum is encountered.)

Shale becoming tougher. Will
not slurry up during drilling.

Signed J. H. Barron

Legal Manager

GREAT EASTERN OIL COMPANY
NO LIABILITY Coy

Date 21. 4. 39

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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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MINES DEPARTMENT.

Victoria.

MINES (PETROLEUM) ACT, 1935.
Section 45.

Record of work at *Dutton Well No 1* bore on

* Petroleum Prospecting Licence Number *82* during week
~~Petroleum Mineral Lease~~
ending *29th April* 19*29*

Depth Description of Strata

1070 / 1092 Very tough sticky marl
with narrow bands exceptionally
hard 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. N.B. The Act also requires the Minister to be notified immediately water, gas, or petroleum is encountered.)

*Fresh water struck at various depths
8 inch casing down to 1092 feet.
Bore casing badly from dry band 1066-1070*

Signed *J. Thomson*

Legal Manager **GREAT EASTERN OIL COMPANY**
Date *21.6.39* NO LIABILITY COY

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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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MINES DEPARTMENT.
Victoria.

M I N E S (P E T R O L E U M) A C T 1935.

Section 15.

Record of work at *No 1 bore Gulson* bore on

* Petroleum Prospecting Licence Number *82* during weeks *2*
~~Petroleum Mineral Lease~~

ending *13th May* 19 *39*

Depth Description of Strata

1092 / 1197 ft.

~~Casing at 10 feet~~

*Seams of casing dry marl -
~~at 1166-1168 small gas showing
& faint oil films~~
Tough dark brown & brown
marl. Very hard bands limestone
at 1096-7 1093-4 1100-1 1106-8
1114-6^b 1121-2 1128-9 1134-5
1141-2 1149-8 1150-61 casing
badly 1166-8 Dry light brown marl
Hard again at 1183-6 1192-5*

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.)

Casing to 1092 feet.

Small show of gas and faint oil films at 1166-68.

Signed *J. M. ...*

Legal Manager GREAT EASTERN OIL COMPANY

Date *8/6/39*

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

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MINES DEPARTMENT.

VICTORIA.

MINES (PETROLEUM) ACT 1935.

Section 45.

Record of work at *Outson - WELL No. 1* bore on

* Petroleum Prospecting Licence Number *82* during *fortnight*
~~Petroleum Mineral Lease~~

ending *29 May* 19*39*

Depth

Description of Strata

<i>1197 / 1235 ft</i>	<i>Hard limestone</i>	<i>1198-1200</i>
		<i>1208-1209</i>
		<i>1215-1216</i>
		<i>1218-1220</i>
	<i>Soft marl and caving</i>	
	<i>badly -</i>	<i>1220-21</i>
	<i>Hard limestone</i>	<i>1221-24</i>
	<i>Sticky marl</i>	<i>1224-26</i>
	<i>Hard limestone</i>	<i>1226-27</i>
	<i>Tough Sticky marl</i>	<i>1227-1235</i>

(Color of marl dark grey + brown greenish streaks)

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.)

*Material caving from under hard bands
Progress slow - No work ~~23rd~~ ^{24th} owing shortage
casing available. No showings of
oil or gas *1197-1235*
cased to 1184'."*

Signed *[Signature]*

Legal Manager **GREAT EASTERN OIL COMPANY**
LIABILITY COY

Date *8.1.6.129*

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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.

(b) All cores or samples so obtained shall be preserved by the holder of the licence for a period of not less than twelve months.

(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 may be approved by the Minister.

(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 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.

MINES DEPARTMENT:
Victoria.

MINES (PETROLEUM) ACT 1935.
Section 15.

Record of work at .. *Dulson* .. *No 1* .. bore on
* Petroleum Prospecting Licence Number .. *82* .. during week
~~Petroleum Mineral Lease~~
ending .. *3 June* .. 19 .. *19* ..

Depth .. Description of Strata

1235 / 1260

*Sticky tough marl.
Dark grey & light brown in
color.
Band of hard limestone
1246-48*

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.)

*Progress slow owing drilling conditions encountered.
Casing to 1224'*

Signed .. *[Signature]* ..
Legal Manager .. *[Signature]* ..
Date .. *8/6/19* ..
GREAT EASTERN OIL COMPANY
NO LIABILITY Coy

* Strike out words not applicable.

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

MINES DEPARTMENT.
Victoria.

M I N E S (P E T R O L E U M) A C T 1935.

Section 45.

Record of work at Rutson - No 1 bore on
* Petroleum Prospecting Licence Number 82 during week
~~Petroleum Mineral Lease~~
ending 10 June 19 39.

Depth

Description of Strata

1260 /
/1290. Hard limestone with seams dry casing
marl. have green and greenish grey.
1260 - 1261'6" Hard limestone
1265 - 1267'6" "
1270 - 1271 "
1272'6" - 1274 "
1276'6" - 1278'6" "
1280 - 1290 Hard shattered limestone
- casing.

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.)

Cased to 1280!

Progress very slow owing nature of strata being drilled. Times lost Monday & Tuesday casing, repairs to shaft & engine -

Signed J. Johnson

Legal Manager GREAT EASTERN OIL COMPANY
Date 15.1.6.1.39

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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.

(b) All cores or samples so obtained shall be preserved by the holder of the licence for a period of not less than twelve months.

(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.

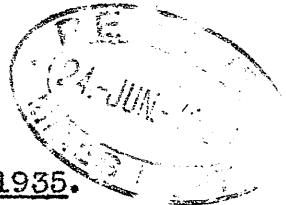
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(b) carry out thereafter such operations as may be necessary to test the value of the occurrence of such petroleum as may be approved by the Minister.

Section 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.



MINES DEPARTMENT.
Victoria.

M I N E S (P E T R O L E U M) A C T 1935.

Section 45.

Record of work at Dutton No. 1 bore on

* Petroleum Prospecting Licence Number 82 during week
~~Petroleum Mineral Lease~~

ending 17 June 19 29

Depth Description of Strata

1290'	1290-1291'6"	Hard limestone - continuation of band between 1280'-1290'
1312	1304-1305'	Hard limestone
	1315-1316'	" "
	1320-1321'	" "

Between these bands dry
caving greenish grey and
brownish 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.)

Casing to 1312 feet.
Progress still slow. Fine bands thinned out, but dry flaky marl caving badly even with shog as close to bottom as possible.

Signed [Signature]
Legal Manager **GREAT EASTERN OIL COMPANY**
NO LIABILITY Coy
Date / /

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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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MINES DEPARTMENT.
Victoria.

5-JUL-1939

MINES (PETROLEUM) ACT 1935.
Section 45.

Record of work at *No 1* *Dutson* bore on
* Petroleum Prospecting Licence Number .. *82* during week
~~Petroleum Mineral Lease~~
ending *24 June* 19 *39*

Depth Description of Strata

<i>1322 / 1362</i>	<i>Tough grey & greenish grey marl with bands dry marl - caving badly</i>
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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.)

Drilling shows slight improvement though still very slow. Marl will not slurry up. Casing to 1356 ft.

*To Mr Croell
5.7.39*

Signed
GREAT EASTERN OIL COMPANY
Legal Manager Coy
Date *1.7.39*

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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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MINES DEPARTMENT.
Victoria.



MINES (PETROLEUM) ACT 1935.
Section 45.

Record of work at Dulson No 1 bore on
* Petroleum Prospecting Licence Number 82 during week
~~Petroleum Mineral Lease~~
ending 1st July 19 29

Depth Description of Strata

1362' / 1400' Tough greenish grey marl
will not slurry up during
drilling. Dry bands flaky
marl caving. Hard limestone
now absent.

To Mr. Balle
via
6/7/29

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 noti-
fied immediately water, gas, or petroleum is encountered.)

Casing to 1395' Tough marl
still making progress very slow -
7'6" of boiler chimney blown down
in gale of 18-6-29. - Slurry from drilling
fairly warm on emptying bags

Signed J. J. Morrison
GREAT EASTERN OIL COMPANY
Legal Manager CO. MANAGER Coy
Date 5/7/29

See by
Morrison
7/7/29

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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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MINES DEPARTMENT.
Victoria.



MINES (PETROLEUM) ACT 1935.

Section 45

Record of work at *No. 1 Bore Nelson* bore on

* Petroleum Prospecting Licence Number *82* during week

ending *8th July* 19*39*

Depth Description of Strata

1400/1442
Tough grey + greenish grey
marl. Glauconite specks in
narrow streaks made appearance
at 1413 ft. Caving bands
thinning out. Heavy marl
wads now forming on drill,
have had to jar tools back
into casing

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.)

Casing down to 1405'

*To Mr. Croft
over
14.7.39*

Signed

[Signature]

GREAT EASTERN OIL COMPANY

Legal Manager

NO LIABILITY Coy

Date *12.1.7.39*

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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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MINES DEPARTMENT.
Victoria.

MINES (PETROLEUM) ACT 1935.
Section 45.

Record of work at Dulson No 1 bore on
* Petroleum Prospecting Licence Number 82 during week
~~Petroleum Mineral Lease~~
ending 15 July 19 39

Depth Description of Strata - Marl

1463 / 1463' 6" 1486	Hard seam dark limestone
1466 - 1466' 6"	Thin seam hard dark limestone
1466' 6" - 68'	Soft casing marl, color light brown
1470'	Glaucous specks in light brown marl very pronounced
1472' 6" - 73'	Hard seam dark limestone and pyrites
1473 - 81	Thin marl
1481 - 86	Tough sticky grey marl

To broil and 7-39

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 to 1481'

Signed [Signature]
Legal Manager Coy
Date / /

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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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MINES DEPARTMENT.
Victoria.

M I N E S (P E T R O L E U M) A C T 1935.

Section 45.

Record of work at Dulson No. 1 bore on

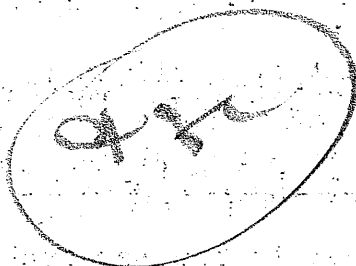
* Petroleum Prospecting Licence Number 82 during week

~~Petroleum Mineral Lease.~~
ending 22 July 1929,...

Depth

Description of Strata

1486' - 1498'	Grey sticky marl. extra sticky 1487-90
1498' - 1503	Firm dry dark brown marl Fossiliferous & caving
1503' - 1506'	Extra tough & sticky grey marl
1506' - 1526'	Firm & tough marl. Dark brown with streaks of glauconite. Caving badly from 1510 - 1514
1526' - 1528'	Tough & sticky 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.)

Casing to 1524'

To Mr Ball
Ave
27.7.29

Signed
Legal Manager Coy
Date/...../.....

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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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MINES DEPARTMENT.

Victoria.

MINES (PETROLEUM) ACT 1935.

Section 45.

Record of work at *Dulson No. 1* bore on

* Petroleum Prospecting Licence Number *82* during week
~~Petroleum Mineral Lease~~
ending *29 July* 19 *29*

Depth Description of Strata

1518 - 1532	Sticky grey marl
1532 - 52	Firm greenish brown marl Big wash forming on drill, but drilling little easier
1552 - 1554	Very tough + sticky grey marl
1554 - 1583	Firm greenish brown marl By Fine pyrites very pronounced from 1552 - 1583

To Mr Kroll
AW
28/8/39

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 down to 1576'

Signed *[Signature]*
Legal Manager Coy
Date *1/1/39*

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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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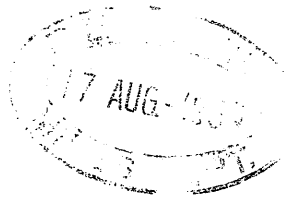
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MINES DEPARTMENT.
Victoria.



MINES (PETROLEUM) ACT 1935.
Section 45.

Record of work at Dulson No 1 bore on
* Petroleum Prospecting Licence Number 82 during week
~~Petroleum Mineral Lease~~
ending 5 August 1929

Depth Description of Strata

- 1590/1608 Greenish grey marl, with specks of dark green sand or glauconite. Bore caving very badly from 1596. From 1580 faint smell of kerosene noticed on emptying bailer. At 1590 very pronounced. No oil film re-action to ether or hot water tests from material taken 1590-1596-1608. Only very faint sign of gas in slurry. However strong odour persisted to 1621 being specially pronounced after drilling dry caving bands 1590-1596-1608.
- 1608/1614 Tough greenish marl, brown streaks. Grains coarse white sand showing in material from 1608.
- 1614/1618 Tough + sticky dark 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.)

8" casing down to 1614 feet.
From 1500' casing has been gradually getting tighter. After working for time would free right up but would tighten again on letting stand during drilling. Due to continual caving nature of strata from 1070 - At 1570 could not raise despite stretch of 6 1/2" - Drove - Had quite free again 1610 - 1614.
Signed J. W. Morrison
Legal Manager Great Eastern Oil Coy NL
Date 16/5/29

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

Section 19. (1) (a) 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.

(b) All cores or samples so obtained shall be preserved by the holder of the licence for a period of not less than twelve months.

(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 may be approved by the Minister.

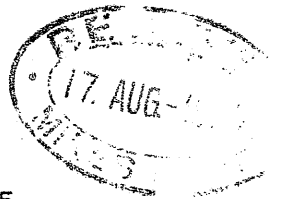
(5) In the event of preliminary tests indicating the probability of payable petroleum, the holder of the licence shall -

(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 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.

MINES DEPARTMENT.
Victoria.



MINES (PETROLEUM) ACT 1935.
Section 45.

Record of work at Dutton No. 1 bore on
* Petroleum Prospecting Licence Number 82 during week
~~Petroleum Mineral Lease~~
ending 17 August 1929

Depth 12 Description of Strata

- 1618'/1620' Tough dark grey marl (pyrites)
- 1620'/1621'6" Band of black or very dark brown limestone. Exceptionally hard flinty nature - 14 hours to drill -
- 1621'6"/1627' Tough brown lignite
- 1627'/1640' Brown lignite or clay (micaceous) with seams coarse sand & gravel.
- 1640'/1644' Sandy brown micaceous clay.
- 1644'/1654' Fine water sand. Heavy artesian flow when bore at 1654'
- 1654'/1660' Water sand - little coarser than at 54'

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 driven into bottom to 1662'.
Casing tight again when required to shut off water sands.
Stucked 7 1/2" no movement. Drove - Free again at 1640'.
Entered drift at 1644'. Had to drive from there. Had to
keep casing ahead of hole to make progress. No preparations
made regarding clay supply, mud boring, mud pump etc
for handling sand. Using clay balls mixed with aquajel - can
make slow progress this method.
Casing getting tighter. Out Signed J. D. Morrison
of 8" casing. Have 11' length Legal Manager Great Eastern Oil Coy Ltd
(Matching piece screwed on top Date 16/8/29)
Water flow shut off.

* Strike out words not applicable.

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

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MINES DEPARTMENT.
Victoria.



MINES (PETROLEUM) ACT 1935.

Section 15.

Record of work at Dulson No. 1 bore on
* Petroleum Prospecting Licence Number 82 during week
~~Petroleum Mineral Lease~~
ending 26 Aug 1939

Depth Description of Strata

1662-1670 - coarse drift sand

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.)

Can make no progress beyond 1670 without further 8" casing. Using heavy mud but owing to heavy water pressure unable handle drift. Owing to casing standing in one place for such length of time it can now be expected casing will be far from free when further 8" provided. Transferred heavy mud pump from Lake Wellington bore site.

8" casing to 1662

Signed

J. L. Coy

Legal Manager

Great Eastern Oil Coy NL

Date

7/9/39

* Strike out words not applicable.

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

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

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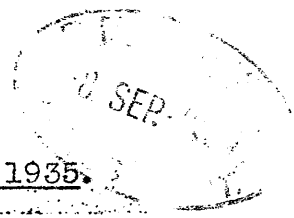
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MINES DEPARTMENT.
Victoria.



MINES (PETROLEUM) ACT 1935.
Section 45.

Record of work at Dulson No 1 bore on
* Petroleum Prospecting Licence Number 82 during week
~~Petroleum Mineral Lease~~
ending 2 September 39

Depth 1670 Description of Strata No attempt at drilling.

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.)

*Cutting & carting wood. Setting up mud
boiling plant and tanks. Boiling up clay.
Dumping mud in bore - carting clay.*

Signed J. D. Morrison
Legal Manager Great Eastern Oil Coy NL
Date 7/1...9/39

* Strike out words not applicable.

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

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From letters in PPL 82 file.

- Week ending 19th Aug 1939. No honing. Cleaning out & scaling boiler & temporary repairs.
- Letter dated 6th Oct 1939. No drilling since end of August.
- " " 22 April 1940. Depth of hole 1674 feet.
- Letter " 26th Nov 1941. No drilling due lack of money. Request permission to withdraw casing.
- " " 8. Dec 1941. Permission granted.



3.0 Lithological Descriptions



T.D. 1674.

0'	-	51'	Surface clays (yellow) and gravel.
51'	-	54'	Grey sand - dry and caving.
54'	-	70'	Tough grey clay.
70'	-	72'	Sandy clay.
72'	-	76'	Grey drift sand
76'	-	79'	Sandy clay
79'	-	110'	Heavy sand
100'	-	118'	Brown sandstone
118'	-	149'	Heavy sand and coarse gravel
149'	-	154'	Fine white drift
154'	-	160'	Coarse sand
160'	-	237'	Sand. Fine drift, coarse drift, packed sand.
237'	-	240'	Silty sand with mica pieces of wood and bark
240'	-	244'	Glaucanite sand
244'	-	250'	Greenish shelly marl
250'	-	257'	Sticky marl with firm bands limestone
257'	-	362'	Polyzoal
362'	-	379'	" of marl
379'	-	384'	Hard limestone
380'	-	580'	Marls, sticky greenish grey in color, with bands of firm to hard limestone and seams firm polyzoal.
			Hard limestone at 380'-386', 392'-393', 395'-400' - firm from 400'-490'.
			Firm polyzoal limestone 400'-490' highly fossilized.
			Sticky marl 490'-510'
			Very sticky 510'-580'.
580'	-	765'	All tough sticky marl with hard limestone bands at 663', 666', 671', 680', 744', 747', 761'
			Bands from 6 to 15 inches in thickness and very hard.
765'	-	870'	All very tough and sticky marl, light greenish and greenish grey in color.
870'	-	966'	Sticky grey and greenish grey marl with seams firm to hard limestone
966'	-	1070'	Tough sticky marl - Grey and greenish grey in color - Bands of firm to hard limestone
1070'	-	1092'	Very tough sticky marl with narrow bands exceptionally hard limestone
1092'	-	1197'	Tough dark brown and brown marl. Very hard bands limestone at 1097-7', 1093-4', 1100-1', 1106-8', 1114-6', 1121-2', 1128-9', 1130-5', 1141-2', 1147-8', 1150-6'. Caving badly 1166-8'. Dry light brown marl. Hard again at 1183-6', 1192-5'.

1197'	- 1235'	Hard limestone 1198-1200', 1208-1209', 1215-1216', 1218-1220'. Soft marl and caving badly - 1220-21' Hard limestone 1221-24' Sticky marl 1224-26' Hard limestone 1226-27' Tough sticky marl 1227-1235' (Color of marl dark grey and brown greenish streaks).
1235'	- 1260'	Sticky tough marl Dark grey and light brown in color Band of hard limestone 1246-48'
1260'	- 1290'	Hard limestone with seams dry caving marl Marl green and greenish grey. 1260-1261'6" Hard limestone 1265-1267'6" " " 1270-1271' " " 1272'6"-1274' " " 1276'6"-1278'6" " " 1280-1290' Hard shattered limestone caving
1290'	- 1322'	1290-1291'6" Hard Limestone - continuation of band between 1280'-1290'. 1304-1305' Hard limestone 1315-1316' " " 1320-1321' " " Between these bands dry caving greenish grey and brownish marl
1322'	- 1362'	Tough grey and greenish grey marl with bands dry marl - caving badly
1362'	- 1400'	Tough greenish grey marl, will not slurry up during drilling. Dry bands flaky marl caving. Hard limestone now absent.
1400'	- 1442'	Tough grey and greenish grey marl. Glauconite specks in narrow streaks made appearance at 1423 ft. Caving bands thinning out. Heavy marl wads now forming on drill, have had to jar tools back into casing.
1463'	- 1463'6"	Hard seam dark limestone
1466'	- 1466'6"	Thin seam hard dark limestone
1466'6"	- 1468'	Soft caving marl, color light brown
1470'		Glauconite specks in light brown marl very pronounced
1472'6"	- 1473'	Hard seam dark limestone and pyrites
1473'	- 1481'	Firm marl
1481'	- 1486'	Tough sticky grey marl
1486'	- 1493'	Grey sticky marl, extra sticky 1487-90'
1493'	- 1503'	Firm dry dark brown marl, Fossiliferous and caving
1503'	- 1506'	Extra tough and sticky grey marl
1506'	- 1526'	Firm and tough marl. Dark brown with <u>streaks of glauconite</u> caving badly from 1510- 1514'.

1526'	- 1528'	Tough and sticky grey marl
1528'	- 1532'	Firm greenish brown marl. Big wads forming on drill, but drilling little easier.
1532'	- 1554'	Very tough and sticky grey marl
1554'	- 1583'	Firm greenish brown marl. Fine pyrties very pronounced from 1552 - 1583'
1590'	- 1608'	Greenish grey marl, with specks of dark green sand or glauconite. Bore caving very badly from 1596'. From 1580 faint smell of kerosene noticed on emptying bailer. At 1590 very pronounced. No oil film re-action to ether or hot water tests from material taken 1590'-1596'-1608'. Only very faint sign of gas in slurry. However strong odour persisted to 1621' being specially pronounced after drilling dry caving bands 1590'-1596'-1608'.
1608'	- 1614'	Tough greenish marl, brown streaks. Grains coarse white sand showing in material from 1608'.
1614'	- 1618'	Tough and sticky dark grey marl.
1618'	- 1620'	Tough dark grey marl (pyrites)
1620'	- 1621'6"	Band of black or very dark brown limestone. Exceptionally hard flinty nature - 14 hours to drill.
1621'6"	- 1627'	Tough brown lignite
1627'	- 1640'	Brown lignite or clay (micaceous) with seams coarse sand and gravel
1640'	- 1644'	Sandy brown micaceous clay
1644'	- 1654'	Fine water sand. Heavy artesian flow when bore at 1654'
1654'	- 1660'	Water sand - little coarser than 44-54'
1662'	- 1670'	Coarse drift sand
1670'		No attempt at drilling.

T.D. 1674'