



WELL ELEMENTARY

MIRAMS-1

(W431)

CONTENTS....

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- 1) Well Card
- 2) Lithology
- 3) Well Location Sheet
- 4) Record of Work
- 5) Log of Operations

SECTION 1)

Well Card

PE904181

This is an enclosure indicator page.
The enclosure PE904181 is enclosed within the
container PE904180 at this location in this
document.

The enclosure PE904181 has the following characteristics:

ITEM_BARCODE = PE904181
CONTAINER_BARCODE = PE904180
 NAME = well report
 BASIN = OTWAY
 PERMIT =
 TYPE = WELL
 SUBTYPE = WELL_CARD
DESCRIPTION = well report Mirams 1
REMARKS =
DATE_CREATED =
DATE_RECEIVED =
 W_NO = W431
 WELL_NAME = Mirams-1
CONTRACTOR = HNH Mirams
CLIENT_OP_CO = HNH Mirams

(Inserted by DNRE - Vic Govt Mines Dept)



H.N.H. Mirams.

1940-1942.

EL.

T.D. 1255.

Ph. Bohwanah.

From Weekly Drilling Records.Spudded. 24th Dec. 1940. (cont 473 Dec 31 1940)Abandoned.Drilled by W.L. Sides & Son Pty Ltd.● in P.P.L. 120Water @ 430' (?) - standing at 90'Casing 6" @ 465'.Oil & Gas Shows

● white bubbles with faint iridescent film. 1060'-1066'

1066-1070.

amount decreasing 1070-1100.

SECTION 2)

Lithology

Lithological Log copied from Weekly
 Drilling Reports and other documents
 submitted by the company.

| | |
|-------------|--|
| 0' - 1' | Soil |
| 1' - 6' | Green clay |
| 6' - 8' | Clay and gravel |
| 8' - 32' | Sandstone and stone layers. |
| 32' - 75' | Clay and boulders |
| 75' - 93' | Hard white limestone |
| at 93' - | Water struck |
| 93' - 150' | Yellow polyzoal limestone carrying water |
| 150' - 310' | Grey " " " " |
| 310' - 330' | Grey pug |
| 330' - 370' | Grey polyzoal limestone - ^{more} some water |
| 370' - 425' | " " " with layers of water. Water level 84'. |
| 425' - 430' | Change of drilling plant and cleaning hole at 425 feet. |
| 430' - 473' | Limestone |
| 473' - 529' | Limestone. Harder. |
| 529' - 530' | Pug |
| 530' - 570' | Limestone |
| 570' - 589' | Pug |
| 589' - 630' | Limestone |
| 630' - 635' | Flint <i>ex hard</i> |
| 635' - 640' | Flint and limestone |
| 640' - 660' | Limestone |
| 660' - 725' | Limestone harder |
| 725' - 735' | 5' of hard limestone, 5' Pug. |
| 735' - 745' | " " " " " " |
| 745' - 750' | Limestone (Very hard) |
| 750' - 761' | Limestone (very hard) 5' Pug and flint balls 6'. |
| 761' - 767' | Pug and flint ball 4'. Limestone (Hard) 2' |
| 767' - 870' | Limestone, hard |
| 870' - 885' | Pug |
| 885' - 895' | Pug 5' Limestone 5'. |
| 895' - 915' | Limestone |
| 915' - 950' | Pug and limestone ^{bars} cores . |
| 956' - 963' | Limestone, very hard |
| 963' - 968' | " " " 4'. Pug 1'. |

Plant dismantled on 15.3.41 at 968 feet.
New plant assembled on 21.4.41.
Reamed and ran 10½" casing to 940'

| | | | |
|-------|----|---------|--|
| 965' | - | 982' | Hard limestone |
| 982' | - | 993' | Light grey limey marl |
| 993' | - | 995' | Hard grey limestone |
| 995' | - | 1003' | Light grey lime marl |
| 1003' | - | 1005' | Hard grey limestone |
| 1005' | - | 1015' | Grey marl |
| 1015' | - | 1022' | Grey marl with thin bands of firm to hard limestone |
| 1022' | - | 1023' | Hard limestone |
| 1023' | - | 1026' | Grey marl |
| 1026' | - | 1035' | Light grey marl. A few minute shells |
| 1035' | - | 1042' | Darker grey marl, sticky in places |
| 1042' | - | 1043' | " " " |
| 1043' | - | 1046' | Limestone firm to hard |
| 1046' | - | 1053' | Marl, dark grey, inclined to be sticky |
| 1053' | - | 1058' | Marl, dark grey, sticky |
| 1058' | - | 1059' | Marl, dark grey |
| 1059' | - | 1060' | Soft seam marl. Making lot of heavy slurry, dry flaky cavings in drain |
| 1060' | - | 1062' | Marl dark grey. Small bubbles in drain after cleaning out at 1061'. Faint film on bubbles. |
| 1062' | - | 1066' | Marl dark greenish. Sticky cavings form above. Minute bubbles with faint iridescent film continue. |
| 1066' | - | 1070' | Marl, same as above |
| | | | Casing ran to 1065'11". |
| 1070' | - | 1071' | Sticky grey marl. Bubbles and film as above continue. |
| 1071' | - | 1072' | Hard limestone band |
| 1072' | - | 1074' | Sticky grey marl |
| 1074' | - | 1075' | Hard limestone band |
| 1075' | - | 1087' | Sticky grey marl |
| 1087' | - | 1093' | Grey marl |
| 1093' | - | 1094' | Hard limestone band |
| 1094' | - | 1100' | Grey marl. Bubbles and film continue. |
| 1100' | at | 1100' | Ran 19'7" nett casing |
| 1101' | - | 1101'6" | Grey marl Hard limestone. |

| | |
|-----------------|---|
| 1101'6" - 1105' | Grey marl |
| 1105' - 1106' | Hard limestone |
| 1106' - 1115' | Grey marl |
| at 1115' | Reamed hole. Ran 18'6" 5" casing Gas bubble has disappeared altogether. |
| 1115' - 1119' | Grey marl |
| at 1119' | Ran 7'6" casing |
| 1119' - 1123' | Grey marl |
| 1123' - 1124' | Hard limestone |
| 1124' - 1125' | Grey marl. Few bubbles showing in trench, no iridescent film on them. |
| 1125' - 1127' | Grey marl |
| 1127' - 1128' | Limestone hard |
| 1128' - 1136' | Grey marl |
| at 1136' | Reamed and ran casing to 1127'. No bubbles. |
| 1136' - 1164' | Grey marl |
| 1164' - 1165' | Hard limestone |
| 1165' - 1170' | Grey marl |
| 1170' - 1171' | Hard limestone |
| at 1171' | Ran 32'7" casing |
| 1171' - 1172' | Grey marl |
| 1172' - 1173' | Very hard limestone |
| 1173' - 1176' | Grey marl |
| 1176' - 1177' | Hard limestone |
| 1177' - 1193' | Grey marl |
| 1193' - 1205' | Grey marl with small alternating bands of limestone. Ran casing to 1185'9". |
| 1205' - 1207' | Grey marl |
| 1207' - 1225' | Grey marl with thin limestone bands |
| 1225' - 1226' | Hard limestone |
| 1226' - 1228' | Grey marl with limestone bands |
| 1228' - 1232' | " " and " " |
| | Ran casing to 1209'8" |
| 1232' - 12 | Grey marl with limestone bands. |

Last report dated 27.9.41 at depth of
1234' ~~and strata~~. No evidence of any
gas or oil.

.....

COPY

120 PET: PROS. LICENCE

~~Feb 24/38~~
M2441

S

W. L. WIDES & SON PTY. LTD.

31 GRICE CRESCENT, ESSENDON, W. 5.

H. N. H. MIRAMS

LOG OF BORE NO. 1 SITUATED AT PORTLAND.

STARTED 5-7-'40

FINISHED 27-7-'40.

| <u>Depths of Strata in Ft.</u> | | <u>Thickness of Strata</u> | <u>Strata</u> |
|--------------------------------|-----------|----------------------------|--|
| <u>From</u> | <u>To</u> | | |
| 0 | 1 | 1 | Soil |
| 1 | 6 | 5 | Green clay |
| 6 | 8 | 2 | Clay and Gravel |
| 8 | 32 | 24 | Sandstone and Stone Layers |
| 32 | 75 | 43 | Clay and Boulders |
| 75 | 93 | 18 | Hard White Limestone |
| | 93 | | Water struck |
| 93 | 150 | 57 | Yellow Polyzoal Limestone carrying Water |
| 150 | 310 | 160 | Grey Polyzoal Limestone carrying Water |
| 310 | 330 | 20 | Grey Pug |
| 330 | 370 | 40 | Grey Polyzoal Limestone - more Water |
| 370 | 425 | 55 | Grey Polyzoal Limestone with Layers of Pug |

Struck Water at 93 feet

Water Level on Completion of Bore 84 feet

(SIGNED) W. E. CHATTERTON

Foreman in Charge.

SECTION 3)

Well Location Sheet

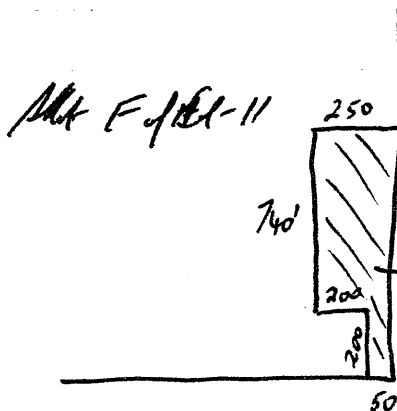


Minam No 1.

Location.

Exact pin-pointed location not known.
 but is known to be in the following
 Area.

Parish of Belwarrack; in Allot F Section 11
~~Close to~~
 in South West corner.



Allot 4 of Sect 17.

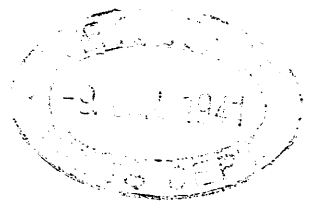
Area bore site located.

SECTION 4)

Record of Work

MINES DEPARTMENT.

VICTORIA.



Mines (Petroleum) Act 1935.
SECTION 45.

Record of Work at PORTLAND bore on

*Petroleum Prospecting Licence Number 120 during week
~~*Petroleum Mineral Lease~~

ending 28th December, 19 40

| DATE DEPTH | DESCRIPTION OF STRATA- WORK DONE |
|-----------------|---|
| 23rd Dec. | Carting Plant to Bore and getting same into position |
| 24th " | Erecting Plant, Carting water for Engine; putting 6" basing in Bore |
| 25th " | Holiday |
| 26th " | Putting on new Ropes, metalling same to socket and cleaning out Bore |
| 27th " | Cleaning out Bore to 430 Feet. #15 |
| 430 Feet | Limestone 15 Feet 445 Feet |
| 28th Dec. 445 " | " 8 " 453 Feet |

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.)

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.....
.....

Signed JOHN POLLOCK.
Borer.

Legal Manager J.W.H. Mirams Coy.

Date 28 / 12 / 40

* Strike out words not applicable.

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

**EXTRACT FROM THE MINES (PETROLEUM) ACT 1935,
AS AMENDED BY THE MINES (PETROLEUM) ACT 1939.**

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—

(a) retain for a period of not less than twelve months all cores obtained by drilling and representative samples of other specimens obtained from the land . . . and, when so required by the Minister, forward the same to the Minister.

MINES DEPARTMENT.

VICTORIA.

Mines (Petroleum) Act 1935.

SECTION 45.



Record of Work at PORTLAND bore on

*Petroleum Prospecting Licence Number 120 during week
~~*Petroleum Mineral Lease~~

ending 4th January, 1941

| | DEPTH | | DESCRIPTION OF STRATA |
|--------------------|-------|------|-------------------------------|
| | Ft. | Ins. | |
| Mon. 30th Dec. | 453 | 0 | Limestone 20 Feet |
| Tues. 31st Dec. | 473 | 0 | Do. Harder 18 " |
| Wed. 1st Jan. | 491 | 0 | Do. do. 19 " |
| Thurs. 2nd Jan. | 510 | 0 | Do. do. 19 " |
| Fri. 3rd Jan. | 529 | 0 | Pug. 1 " |
| | 530 | 0 | Limestone 20 " |
| Sat. 4th Jan. | 550 | 0 | Do. 8 " |
| | 558 | 0 | |
| | | | Total Feet for week 105 Feet. |

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.)

I have to report that we are still in Limestone only one foot of Pug at 529 Feet. There is some part caving in a little as we always get a lot of dirt out of the Bore in the mornings after cleaning the Bore well out at night. The water stands at 90 Feet from surface.

(SGD) JOHN POLLOCK
Borer.

Signed

Legal Manager

J. W. A. Mearns

Coy.

Date 4 / 1 / 41

* Strike out words not applicable.

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

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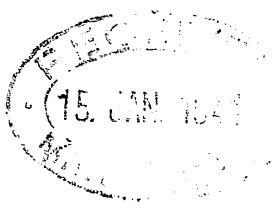
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MINES DEPARTMENT.

VICTORIA.



Mines (Petroleum) Act 1935.
SECTION 45.

Record of Work at PORTLAND bore on

*Petroleum Prospecting Licence Number 120 during week
*Petroleum Mineral Lease

ending 11th January, 19 41.

| DEPTH | DESCRIPTION OF STRATA |
|-------------------|--|
| 6th Jan. 558 Feet | Limestone 12 Feet. Sharpening drills 2 Hours |
| 7th " 570 " | Pug 10 Feet. Limestone 9 Feet. |
| 8th " 589 " | Limestone 20 Feet. |
| 9th " 609 " | Do. 21 Feet. |
| 10th " 630 " | Flint Ex Hard 5 Feet |
| 11th " 635 " | Flint and Limestone 5 Feet. Sharpening Drills 2 Hours. |
| 640 " | |
| | |
| | |
| | |
| | |
| | |

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.)

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.....
.....
.....

Signed JOHN POLLOCK

Legal Manager J. W. Mirams Coy.

Date 14 / 1 / 41

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

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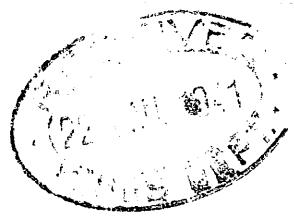
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MINES DEPARTMENT.

VICTORIA.

Mines (Petroleum) Act 1935.

SECTION 45.

- 1. ~~Secretary~~
- 2. ~~Mr. K. Smith~~ ✓
- 3. " *Cross*.

Record of Work at PORTLAND bore on

*Petroleum Prospecting Licence Number 120 during week

~~*Petroleum Mineral Lease~~

ending 18th January, 19 41

| DEPTH | DESCRIPTION OF STRATA | |
|---|-----------------------|---------|
| 13th Jan. 640 Feet. | Limestone | 20 Feet |
| 14th 660 " | " Harder | 15 " |
| 15th " 675 " | " " | 15 " |
| 16th " 690 " | " " | 14 " |
| 17th " 704 " | " " | 16 " |
| 18th " 720 " | " " | 5 " |
| 725 " | | |
| Total depth on 18th January, 1941, 725 Feet | | |

JOHN POLLOCK

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 *JWA Mirams*

Legal Manager Coy.

Date 21 / 1 / 41

* Strike out words not applicable.

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

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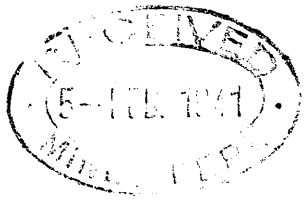
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1. ~~Bessing~~
 2. ~~In search~~
 3. .. Coll.



MINES DEPARTMENT.

VICTORIA.

Mines (Petroleum) Act 1935.
 SECTION 45.

Record of Work at PORTLAND bore on

*Petroleum Prospecting Licence Number 120 during week
~~*Petroleum Mineral Lease~~

ending 25th January, 1941.

| DEPTH | DESCRIPTION OF STRATA |
|--------------------|--|
| 20th Jan. 725 Feet | Limestone Hard 5 Feet. Pug 5 Feet. |
| 21st " 735 " | Pug 5 Feet. Limestone (very hard) 5 Feet. |
| 22nd " 745 " | Limestone (very hard) 5 Feet. (Wheel broke). |
| 23rd " 750 " | Looking for Second hand wheel |
| 24th " | In Melbourne for new wheel |
| 25th " | In Melbourne for wheel |
| | Total depth on 25th January - 750 Feet. |

(SGD) JOHN POLLOCK

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.)

The wheel that broke was the one that got cracked on Railway in transit. I thought it would last long enough to finish the job. But it fell to pieces on Wednesday.

Signed JOHN POLLOCK.

Legal Manager J. W. A. Murray's Coy.

Date 28 / 1 / 41

* Strike out words not applicable.

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

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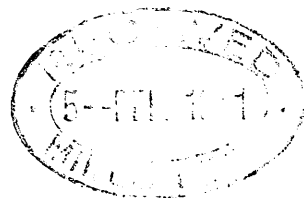
EXTRACT FROM THE MINES (PETROLEUM) ACT 1939.

Section 7 (6).—Every licensee shall—

(a) retain for a period of not less than twelve months all cores obtained by drilling and representative samples of other specimens obtained from the land and, when so required by the Minister, forward the same to the Minister.

MINES DEPARTMENT.

VICTORIA.



Mines (Petroleum) Act 1935.
SECTION 45.

Record of Work at PORTLAND bore on

*Petroleum Prospecting Licence Number 120 during week
~~*Petroleum Mineral Lease~~

ending 1st February, 1941.

| DEPTH | DESCRIPTION OF STRATA |
|--|---|
| 27th Jan. 750 Feet | In Melbourne for new wheel |
| 28 " 750 " | " " " " " |
| 29th " 750 " | Travelling from Melbourne to job with wheel |
| 30th " 750 " | Fitting on new wheel and cleaning out Bore |
| 31st " 750 " | Limestone (very hard) 5 Feet. Pug & Flint Balls 6 Feet. |
| 1st Feb. 761 " | Pug & Flint Balls 4 Feet. Limestone (Hard) 2 Feet |
| 767 " | |
| Total depth on Saturday 1/2/41 767 Feet. (SGD) J.POLLOCK | |

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.)

We got the new wheel on Tuesday night and brought it up on Wednesday. We had to fit the key and wheel on Thursday and clean the Bore out as the very heavy rains had washed a lot of dirt down behind the 6" Casing into the Bore, the water collected in the concrete well and then washed down behind the Casing taking a lot of dirt with it.

Signed JOHN POLLOCK.

Legal Manager J. N. A. Meramis Coy.

Date 4 / 2 / 41

* Strike out words not applicable.

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

**EXTRACT FROM THE MINES (PETROLEUM) ACT 1935,
AS AMENDED BY THE MINES (PETROLEUM) ACT 1939.**

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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.

(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.

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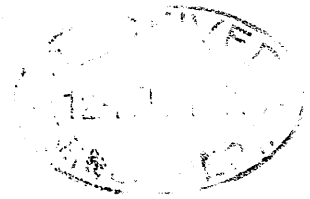
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Section 7 (6).—Every licensee shall—

(a) retain for a period of not less than twelve months all cores obtained by drilling and representative samples of other specimens obtained from the land . . . and, when so required by the Minister, forward the same to the Minister.

1. ~~Secretary~~
2. Mr. Wraith
3. " Crole.

MINES DEPARTMENT



VICTORIA

Mines (Petroleum) Act 1935

Section 45

RECORD OF WORK at PORTLAND bore on -----
 Petroleum Prospecting Licence Number 120 during week
 ending 8th February, 1941.

DEPTH DESCRIPTION OF STRATA

| | | |
|----------|----------|---------------------------|
| 3rd Feb. | 767 feet | Limestone, hard - 11 feet |
| 4th " | 778 " | do. do. 10 feet |
| 5th " | 788 " | do. do. 12 " |
| 6th " | 800 " | do. do. 14 " |
| 7th " | 814 " | do. do. 10 " |
| 8th " | 824 " | do. do. 6 " |
| | 830 " | |

Total depth on 8/2/1941 - 830 feet.

(Signed) J. Pollock.

I have to report that there are some very hard layers through this Limestone. It took us 4½ hours to drill 2 feet on Friday. About every 3 or 4 feet you get a very hard layer about 2 feet thick, and only through running the Plant about 10 hours a day, we are able to get those cuttings out at that depth.

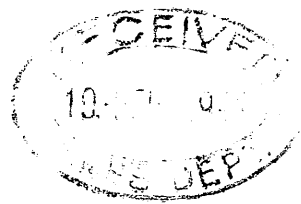
(Signed) John Pollock.

J. W. A. Mirams

1. Secretary ✓
2. Mr. Waitt
3. Croll

MINES DEPARTMENT.

VICTORIA.



Mines (Petroleum) Act 1935.
SECTION 45.

Record of Work at Portland bore on

*Petroleum Prospecting Licence Number 120 during week
~~*Petroleum Mineral Lease~~
 ending 15th February 1941

| DEPTH | DESCRIPTION OF STRATA |
|--|------------------------|
| 10th Feb. 830 feet | Limestone Hard 11 Feet |
| 11th " 841 " | " " 9 " |
| 12th " 850 " | " " 10 " |
| 13th " 860 " | " " 5 " Pug. 5 feet |
| 14th " 870 " | Pug 10 feet |
| 15th " 880 " | " 5 feet |
| 885 " | |
| Total depth on Saturday 15th Feb. 41. 885 feet | |
| (Sgd.) John Pollock | |

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.)

I wish to report that this Pug wont Bore with the Drill. The drill only sticks in it. We are boring it with the Drive Pump but that is just too light with only the Jar Bar on and it is too heavy with the heavy sinker bar. What we need is a short bar about 4 feet long to put on the Pump for this Pug. That would increase our cuttings.

(Sgd.) John Pollock

Signed _____

Legal Manager _____

J. W. Murams Coy.

Date 18 / 2 / 41

* Strike out words not applicable.

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

**EXTRACT FROM THE MINES (PETROLEUM) ACT 1935,
AS AMENDED BY THE MINES (PETROLEUM) ACT 1939.**

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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(a) retain for a period of not less than twelve months all cores obtained by drilling and representative samples of other specimens obtained from the land and, when so required by the Minister, forward the same to the Minister.

- 1. *Secretary* ✓
- 2. *Mr. Martin* ✓
- 3. *Coll.*



MINES DEPARTMENT.

VICTORIA.

Mines (Petroleum) Act 1935.
SECTION 45.

Record of Work at Portland bore on

*Petroleum Prospecting Licence Number 120 during week
*~~Petroleum Mineral Lease~~

ending 22nd February 19 41

| DEPTH | DESCRIPTION OF STRATA |
|--------------------|--|
| 17th Feb. 885 feet | Pug 5 feet Limestone 5 feet |
| 18 " 895 " | Limestone 8 feet |
| 19th " 903 " | " 9 " (Drive Pump Broke) |
| 20th " 912 " | Getting Pump Repaired and Reaming out Bore |
| 21st " 912 " | Reaming out Bore |
| 22nd " 912 " | Limestone 3 feet |
| 915 " | |

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.)

.....

Total Depth on 22nd Feb. 1941 915 feet
Signed (Sgd.) J. Pollock

Legal Manager J. W. A. Mirams Coy.

Date...../...../.....

* Strike out words not applicable.

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

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EXTRACT FROM THE MINES (PETROLEUM) ACT 1939.

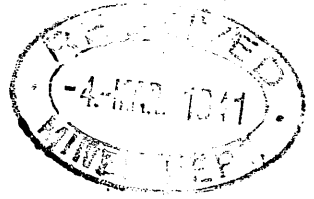
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Secretary ✓
Mr. Smith ✓
Mr. Croll

MINES DEPARTMENT.

VICTORIA.



Mines (Petroleum) Act 1935.
SECTION 45.

Record of Work at PORTLAND bore on

*Petroleum Prospecting Licence Number 120 during week
~~*Petroleum Mineral Lease~~

ending 1st March, 19 41.

| | DEPTH | DESCRIPTION OF STRATA |
|-----------|----------|--|
| 24th Feb. | 915 feet | Pug and limestone bars - 8 feet. |
| 25th " | 923 " | " " " 6 ft. (Hampered by rain) |
| 26th " | 929 " | " " " 7 ft. |
| 27th " | 936 " | " " " 9 ft. |
| 28th " | 945 " | " " " 8 ft. |
| 1st March | 953 " | in Melbourne. |
| | | Total depth on 1st March 953 feet. (SGD.) J. Pollock |

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.)

This Pug is giving us more trouble through swelling.

But it may take up again.

(SGD.) John Pollock

Signed

Legal Manager J. V. H. Murrain Coy.

Date 3 / 3 / 41

* Strike out words not applicable.

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

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~~L. ...~~
~~L. ...~~
 3. " *Crall*.

MINES DEPARTMENT.

VICTORIA.



Mines (Petroleum) Act 1935.
 SECTION 45.

Record of Work at Portland bore on

*Petroleum Prospecting Licence Number 121 ¹²⁰ during week
~~*Petroleum Mineral Lease~~

ending 8th March 1941

| DEPTH | DESCRIPTION OF STRATA |
|---|---|
| 3rd March 953 feet. | Delayed in Melbourne for new Gears for Truck. |
| 4th " | Travelling to job from Melb. and looking for man |
| 5th " | Cleaning out Bore, Pug and Limestone Bars, 3 feet. |
| 6th " 956 feet. | Cleaning out Bore, Limestone very hard, 3 feet. |
| 7th " 959 feet. | Cleaning out Bore, Reaming Bore from 880 to 943 feet. |
| 8th " 959 feet. | Cleaning out Bore. |
| Total depth of Bore on 8th March 959 feet | |

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.)

I have to report that the Pug is swelling in very badly.
 It takes us from 2 to 3 hours every morning before we have the
 Bore cleaned out to bottom.

Signed John Pollock

Legal Manager J.W.A. Mirams Coy.

Date 12 / 3 / 41

* Strike out words not applicable.

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

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~~Secretary~~
~~Mr. W. Smith~~
J. " Cole

MINES DEPARTMENT
VICTORIA.



MINES (PETROLEUM) ACT 1935.
SECTION 45.

RECORD OF WORK at PORTLAND bore on
* Petroleum Prospecting Licence. No. 120 during week
ending 15th March, 1941.

| DEPTH | DESCRIPTION OF STRATA |
|--------------------|---|
| 10th March 959 ft. | Cleaning out Bore, Limestone (very hard) 4 feet. |
| 11th " 963 " | " " " " " " 4 feet. Pug. 1 foot. |
| 12th " 968 " | Cleaning out Bore and Dismantling Plant. |
| 13th " | Boiling Ropes, carting same & Plant to Heywood. |
| 14th " | At Heywood consigning Plant & Ropes & arranging with Carrier to load same. |
| 15th " | Arrived in Melbourne. |
| | Total depth of Bore on 15/3/41 - 968 feet. |

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.)

I have to report that the Bore is reamed out 5⁵/₈" to the depth of 943 feet, and requires casing before going further.

Signed John Pollock
Legal Manager *J. W. A. Merams* Secy.

Date 19 March 1941

SECTION 5)

Log of Operations



Rig No. 5

LOG OF OPERATIONS

BORING AT

PORTLAND

BORE NO. 1

LOCATION

PROSPECTING LICENCE NO. 120

Date and Shift

Running Time

Remarks

4/4/41
5/4/41
7/4/41
8/4/41
9/4/41
10/4/41
14/4/41

15/4/41
16/4/41
17/4/41
18/4/41
19/4/41
21/4/41
22/4/41
23/4/41
24/4/41
25/4/41

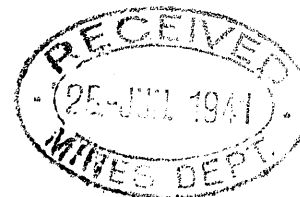
8
8
8
8
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8
8
8

Working in yard getting load on.
Picked up plant at Ballan got to Skipton.
Travelled Skipton to Port Fairy.
Arrived at Bore site and set up camps.
Setting up Plant and unloading truck.
Setting up Plant.
Loading Casing at G.D.D.C. trouble with tyres and radiator.
Travelled Melbourne to Portland.
Cutting Spars for shear legs and setting up.
Setting Plant.
" "
" "
" "
Ran Casing to 201' - 10 1/2"
Getting Shear Legs in position.
Staying same rigging blocks and casing winch.
Ran Casing 201' - 10 1/2" to 324.1.

- 1. Secretary ✓
- 2. Mr. Wright ✓
- 3. - Croll

W. L. SIDES & SON PTY. LTD.
31 Grice Crescent, Essendon.
Foreman in Charge: Thos. W. Osborne

T.H.Sides.



Rig No.

LOG OF OPERATIONS

BORING AT

PORTLAND

BORE NO. 1

LOCATION

PROSPECTING LICENCE NO. 120

| <u>Date and Shift</u> | <u>Running Time</u> | <u>Remarks</u> |
|-----------------------|----------------------|---|
| 26/4/41 | 8 hrs. | Brake on casing winch unsatisfactory put it on drilling drum. Ran casing 324.1. to 434.6. |
| 28/4/41 | 8 hrs. | Ran casing 434.6. to 755.0 $\frac{1}{2}$ working casing thru hard bands. |
| 29/4/41 | 8 hrs. | 6 hrs. running casing 755.0 $\frac{1}{2}$ to 803.10 $\frac{1}{2}$. Commenced rigging walking beam. |
| 30/4/41 | 8 hrs. | Rigging beam trouble getting pin in, lined sandline friction. |
| 1/5/41 | 8 hrs. | Splicing rope and putting it on strung up tools. |
| 2/5/41 | 8 hrs. | Started to run reamer got jammed in casing at 300 ft., rope clamp won't hold. |
| 3/5/41 | 8 hrs. | Walked out from Portland to Bob Pattos Plant got white metal then home and metallled in clamp. |
| 4/5/41 | 8 hrs. | Getting reamer out. Band on reamer had been caught and bent back took off same. |
| 5/5/41 | 9 $\frac{1}{2}$ hrs. | Started reaming progress slow 800-820 Temper Screw hard to turn want ball race. |
| 6/5/41 | 9 hrs. | Reaming 820-850. |
| 7/5/41 | 9 hrs. | Reaming 850-875. Got ready to run casing. Shifted machine forward to get beam out of way. |
| 8/5/41 | 9 hrs. | Ran casing 803-10 $\frac{1}{2}$ to 864-2 $\frac{1}{2}$. Started to ream. |
| 9/5/41 | 9 hrs. | Reamed to 875-880. Seems fairly hard reamer is pinching badly. |
| 10/5/41 | 4 hrs. | Raining heavily packed up rope clamp & put in ball race on temper screw. |

T.H.Sides.

W. L. SIDES & SON PTY. LTD.
31 Grice Crescent, Essendon.
Foreman in Charge: Thos.W.Osborne

LOG OF OPERATIONS

| <u>BORING AT</u> | <u>PORTLAND</u> | <u>BORE NO. 1</u> | <u>LOCATION</u> | <u>PROSPECTING LICENCE NO. 120</u> |
|-----------------------|---------------------|--------------------|------------------------|---|
| <u>Date and Shift</u> | <u>Running Time</u> | <u>Shift Tally</u> | <u>Depth of Strata</u> | <u>Remarks</u> |
| 12/5/41 | 9 hrs. | | 880 907 | Reaming, Reamer pinching badly. |
| 13/5/41 | 9 hrs. | | 907 938 | Reaming. |
| 14/5/41 | 9 hrs. | | 938 940 | Reaming, Reamer Sticks every Blow. |
| 15/5/41 | 9 hrs. | | | 3 Hrs. Running Casing 864'2½" - 935'11" Cleaned out hole to 960 casing Stopped 940. |
| 16/5/41 | 9 hrs. | | | Trying to Ream with Side Cutter as Reamer Sticks too badly. |
| 17/5/41 | 4 hrs. | | | Still using Side Cutter worked it down to 962 ft. |
| 19/5/41 | 9 hrs. | | | Worked Side Cutter to 965 Ft That is depth of Bore as previously drilled. |
| 20/5/41 | 9 hrs. | 1 | 965 966 | Hard Limestone. |
| 21/5/41 | 9 hrs. | 5 | 966 971 | Hard Limestone. |
| 22/5/41 | 9 hrs. | 1 | 971 972 | Hard Limestone. |
| 23/5/41 | 9 hrs. | 2 | 972 974 | Hard Limestone. |
| 24/5/41 | 9 hrs. | 2 | 974 976 | Hard Limestone. |
| 24/5/41 | 4 hrs. | 3 | 976 979 | Hard Limestone. |
| 30/5/41 | 9 hrs. | 3 | 979 982 | Hard Limestone. |
| 31/5/41 | 9 hrs. | 5 | 982 987 | Light Grey Lime Marl. Sample from 987 ft. sent to Mr. Shore. |
| 2/6/41 | 9 hrs. | 5 | 987 992 | Light Grey lime Marl. |
| 3/6/41 | 9 hrs. | 4 | 992 993 | Light Grey lime Marl. Broken Valve on Engine |

REPORT Do not consider shutting off water at present a possibility.
Screwed up length of casing in bore at present 935'11".

W.L.SIDES & SON PTY. LTD.
31 Grice Crescent, Essendon.
Foreman in Charge: Thos.W.Osborne.

T. H. Sides.



LOG OF OPERATIONS

BORING AT PORTLAND BORE NO. 1 LOCATION PROSPECTING LICENCE NO. 120

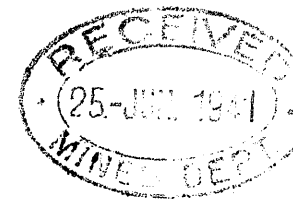
| <u>Date and Shift</u> | <u>Running Time</u> | <u>Lost Time</u> | <u>Shift Tally</u> | <u>Depth of Strata</u> | <u>Strata</u> | <u>Remarks</u> |
|-----------------------|---------------------|------------------|--------------------|------------------------|---|--|
| 3/6/41 | | | | 993 995 2 995 996 1 | Hard Grey Limestone Light Grey Lime Marl | |
| 4/6/41 | 8 hrs. | | 2 | 996 998 | Light Grey Lime Marl | |
| 5/6/41 | 9 hrs. | | 5 | 998 1003 | Light Grey Lime Marl | |
| 6/6/41 | 4 hrs. | | 2 | 1003 1005 | Hard Grey Limestone | |
| 6/6/41 | 4 hrs. | | 4 | 1005 1009 | Grey Marl | K. Scarce Took over from T. Osborne 1 p.m. |
| 7/6/41 | 4 hrs. | | | | | No drilling. Bailed water. |
| 9/6/41 | 5 hrs. | 3 hrs. | 6 | 1009 1015 | Grey Marl | Cleaned out Filters etc. Lost 3 hrs. Magneto trouble. |

LOG OF OPERATIONS

| <u>BORING AT</u> | <u>PORTLAND</u> | <u>BORE NO. 1.</u> | <u>LOCATION</u> | <u>PETROLEUM PROSPECTING LICENCE NO. 120</u> | |
|-----------------------|---------------------|--------------------|------------------------|--|---|
| <u>Date and Shift</u> | <u>Running Time</u> | <u>Shift Tally</u> | <u>Depth of Strata</u> | <u>Strata</u> | <u>Remarks</u> |
| 10/6/41 | 8 | 7 | 1015 - 1022 | Grey Marl | Marl with thin bands of firm to hard limestone. |
| 11/6/41 | 8 | 4 | 1022 - 1023 | Hard Limestone | Took head off engine, decarbonised ground in new valve, replaced. |
| | | | 1023 - 1026 | Grey Marl. | |
| 12/6/41 | 8 | 9 | 1026 - 1035 | Light Grey Marl | A few minute shells. |
| 13/6/41 | 8 | 7 | 1035 - 1042 | Darker Grey Marl | Sticky in places |
| 14/6/41 | 4 | 4 | 1042 - 1043 | Darker Grey Marl | |
| | | | 1043 - 1046 | Limestone Firm to Hard | |

W. L. SIDES & SON PTY. LTD.
 Registered Office,
 31 Grice Crescent, Essendon.
Foreman in Charge: K. Scarce
 T. H. Sides

Rig No. 5

LOG OF OPERATIONS

| <u>BORING AT</u> | <u>PORTLAND</u> | <u>BORE NO. 1</u> | <u>LOCATION</u> | <u>PROSPECTING LICENCE NO. 120</u> |
|-----------------------|--------------------|------------------------|--------------------------|--|
| <u>Date and Shift</u> | <u>Shift Tally</u> | <u>Depth of Strata</u> | <u>Strata</u> | <u>Remarks</u> |
| June 16 | 7 | 1046 - 1053 | Marl Dark Grey | Inclined to be sticky |
| " 17 | 5 | 1053 - 1058 | Marl Dark Grey | Sticky, drilling slowed down. |
| " 18 | 4 | 1058 - 1059 | Marl Dark Grey | |
| | | 1059 - 1060 | Soft Seam Marl | Making lot of heavy slurry, dry flaky cavings in drain. |
| | | 1060 - 1062 | Marl Dark Grey | Small bubbles in drain after cleaning out at 1061 ft. Faint film on bubbles. |
| " 19 | 4 | 1062 - 1066 | Marl Dark Greenish grey. | Sticky Caving from above, slow progress. Minute bubbles with faint irridescent film, continue. |
| | 4 | 1066 - 1070 | Marl | Same as above |

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Foreman in Charge: K. Scarce
 T. H. Sides

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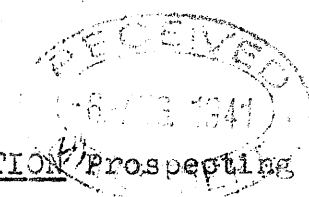
LOG OF OPERATIONS

Rig.No.5.

BORING AT PORTLAND

BORE NO. 1

LOCATION Prospecting Licence No. 120.



| <u>Date and Shift</u> | <u>Running Time</u> | <u>Lost Time</u> | <u>Shift Tally</u> | <u>Depth of Strata</u> | <u>Strata</u> | <u>Remarks</u> |
|-----------------------|---------------------|------------------|--------------------|------------------------|---|---|
| June 20th-25th | | | | | | No work done. |
| 25th | 8 | | | | Reaming from 940 - 945 | |
| 26th | 8 | | | | Reaming from 945 - 957 | |
| 27th | 8 | | | | Reaming from 957 - 971 | |
| 27th-8th July | | | | | | Reamer lowered through last 6 feet No work done. T. Osborne off with strained side. |
| July 8th | | | | | | Travelling Melbourne to Portland with Truck. |
| 9th | 2 | | | | Prepared to run casing. | |
| 10th | 8 | | | | Ran casing to 977 feet. Stopped at that. Ran Reamer to free it. 5 hours reaming. | |
| 11th | 8 | | | | Ran casing to 1065 feet 11 inches. 30' of Cavings in hole, commenced cleaning out. | |
| 12th | 8 | | | | Finished Cleaning out, ready to commence drilling. | |
| 14th | | | | | Very heavy rain, no work. | |
| 15th | 10 | | 2 | 1070-1071 | Sticky grey Marl. | Drilling. |
| | | | | 1071-1072 | Hard Limestone Band | |
| 16th | | | 4 | 1072-1074 | Sticky Grey Marl. | Drilling. |
| 17th | 10 | | 4 | 1074-1075 | Hard Limestone Band. | Drilling. |
| 18th | 10 | | 5 | 1075-1087 | Sticky Grey Marl. | Drilling. |
| 19th | 8 | | 2 | | | Drilling. Checked up measurement of bore. |

REPORT: Still a few bubbles showing in the slurry when bailing. No increase in quantity.

W. L. Sides & Son Pty. Ltd.,
Registered Office,
31 Grice Crescent, Essendon.
Foreman in Charge. T. Osborne.

(SGD.) T. H. SIDES.

C O P Y:

LOG OF OPERATIONS

BORE NO. 1

Prospecting Licence No. 120.

Boring at Portland

Rig No. 5.



| <u>Date and Shift</u> | <u>Running Time</u> | <u>Lost Time</u> | <u>Shift Tally</u> | <u>Depth of Strata</u> | <u>Strata</u> | <u>Remarks</u> |
|-----------------------|---------------------|------------------|--------------------|------------------------|---------------------|---|
| 21-7-41 | | | 1 | 1087-1088 | Grey Marl. | Rained heavily all day |
| 22-7-41 | | | 2 | 1088-1090 | Grey Marl. | |
| 23-7-41 | | | 3 | 1090-1093 | Grey Marl. | |
| 24-7-41 | | | 1 | 1093-1094 | Hard Limestone Band | |
| 25-7-41 | | | 4 | 1094-1098 | Grey Marl. | Caving Badly. Casing tight on Hard Band. Underreamed. |
| 26-7-41 | | | 2 | 1098-1100 | Grey Marl. | Ran 19' 7" nett casing. |

REPORT:

There is a decrease in the amount of bubbles. Bubbles still have iridescent film.

W. L. SIDES & SON PTY. LTD.
Registered Office,
31 Grice Crescent, Essendon.

Foreman in Charge: T. Osborne.
(SGD.) T. H. Sides.

C O P Y:

LOG OF OPERATIONS

Boring at Portland

BORE NO. 1



Rig No. 5.

Prospecting Licence No. 120

| <u>Date and Shift</u> | <u>Running Time</u> | <u>Lost Time</u> | <u>Shift Tally</u> | <u>Depth of Strata</u> | <u>Strata</u> | <u>Remarks</u> |
|-----------------------|---------------------|------------------|--------------------|------------------------|----------------|---|
| 28-7-41 | | | 3' | 1100-1101 | Grey Marl. | |
| | | | | 1101-1101'6" | Hard Limestone | |
| | | | | 1101'6"-1103 | Grey Marl | |
| 29-7-41 | | | 3' | 1103-1105 | Grey Marl | |
| | | | | 1105-1106 | Hard Limestone | |
| 30-7-41 | | | 3' | 1106-1109 | Grey Marl | |
| 31-7-41 | | | 3' | 1109-1112 | Grey Marl | |
| 1-8-41 | | | 3' | 1112-1115 | Grey Marl | Reamed Hole. Ran 18'6" 5" Casing Gas Bubbles have disappeared altogether |

REPORT: Sent Sample to Shore from 1114 feet

W. L. SIDES & SON PTY. LTD.
Registered Office,
31 Grice Crescent, Essendon.
Foreman in Charge: T. Osborne

(SGD.) T. H. SIDES



LOG OF OPERATIONS

BORING AT PORTLAND

PETROLEUM PROSPECTING LICENCE NO. 120.

RIG NO. 5

| Date and Shift | Running Time | Lost Time | Shift Tally | Strata | Remarks |
|----------------|--------------|-----------|-------------|---|--|
| 5/8/41 | | | | | Rained heavily all day. |
| 6/8/41 | | | 3' | 1114' - 1117' Grey Marl | Drilled 1114 - 1117'. Dressed 4" Chisel Bit. |
| 7/8/41 | | | 2' | 1117' - 1119' " " | Drilled 1117 - 1119'. Ran 7'6" Casing, caving a good deal. |
| 8/8/41 | | | 3' | 1119' - 1122' " " | Drilled 1119 - 1122'. With 4" Chisel Bit. |
| 9/8/41 | | | 3' | 1122' - 1123' " " 1123' - 1124' Hard Limestone 1124' - 1125' Grey Marl | Drilled 1122 - 1125'. |
| 10/8/41 | | | | There are a few bubbles showing in trench, but have no irridescient film on them. | Cleaned out producer and tightening friction pulley on shaft. Also tightened up band wheel. |
| 11/8/41 | | | 3' | 1125' - 1127' Grey Marl 1127' - 1128' Limestone hard. | Drilled 1125' - 1128'. |
| 12/8/41 | | | | 1128' - 1132' Grey Marl | " 1128' - 1132'. |
| 13/8/41 | | | | 1132' - 1135' " " | " 1132' - 1135' with clay tool. |
| 14/8/41 | | | | 1135' - 1136' " " | " 1135' - 1136' Caving badly. Lined Sandline friction and spliced on extra sandline. |
| 15/8/41 | | | | | Reamed out hole, and 17'11" Casing, when took off short.length a good quantity of stuff came down from behind. casing, cleaned out same. |



| Date and Shift | Running Time | Lost Time | Shift Tally | Strata | Remarks |
|----------------|--------------|-----------|-------------|--|---|
| 16/8/41 | | | | At the present time there are no bubbles showing in the slurry during bailing. | Still caving, ran reamer but couldn't get the hole clean enough to ream hard band at 1127 feet, so sat casing down on it. |
| 18/8/41 | 10 hrs. | 2 hrs. | 3' | Grey Marl 1136 - 1139' | Cleaning out hole 2 hours. |
| 19/8/41 | 9 hrs. | | 5' | " " 1139 - 1144' | Drilling. |
| 20/8/41 | 9 hrs. | | 4' | " " 1144 - 1148' | " |
| 21/8/41 | 9 hrs. | | 4' | " " 1148 - 1152' | " |
| 22/8/41 | 10 hrs. | | 4' | " " 1152 - 1156' | " |
| 23/8/41 | 4 hrs. | | 2' | " " 1156 - 1158' | Sent sample to Shore at 1158 feet. Bore drilled to 1158' with 4½" chisel. |

W.L. SIDES & SON PTY. LTD.
 31 Grice Crescent, Essendon.
 Foreman in Charge T. Osborne.

LOG OF OPERATIONS

BORING AT PORTLAND

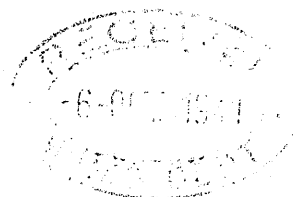
PETROLEUM PROSPECTING LICENCE NO. 120



RIG NO.5

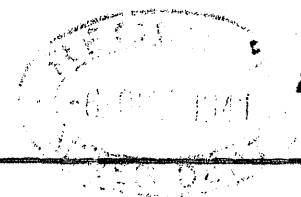
| Date and Shift | Running Time | Lost Time | Shift Tally | Strata | Remarks |
|----------------|--------------|-----------|-------------|--|---|
| 25/8/41 | 9 hrs. | | 4 | 1158-1164' Grey Marl 1164'-1165' Hard Limestone | Drilled 1158' - 1162 |
| 26/8/41 | 4 hrs. | 6 hrs. | 2 | 1165'-1167' Grey Marl | Drilled 1162' - 1164'. Time lost getting tuyere welded in Portland. |
| 27/8/41 | 10 hrs. | | 1 | 1168'-1170' Grey Marl 1170'-1171' Hard Limestone | Pulled back casing, reamed hole from 1127' to 1158' Ran 32'7" casing. Drilled 1164' - 1165'. |
| 28/8/41 | 9½ hrs. | | 5 | 1171'-1172' Grey Marl 1172'-1173' Very Hard Limestone. | Drilled 1165'-1170'. |
| 29/8/41 | | 1½ hrs. | | | Remetalled in rope socket. Drilled 1170' - 1173'. |
| 1/9/41 | | | | 1173'-1176' Grey Marl | Didn't work had 'flu. |
| 2/9/41 | 10 hrs. | | 5 | 1176'-1177' Hard Limestone | 1173'-1178'. |
| 3/9/41 | 10 hrs. | | 5 | 1177'-1193' Grey Marl | 1178' - 1183'. |
| 4/9/41 | 10 hrs. | | 5 | | 1183' - 1188'. |
| 5/9/41 | 10 hrs. | | 4 | | 1188' - 1192' |
| 6/9/41 | 8 hrs. | | 1 | | 1192' - 1193' Caving, decided to run reamer and put in casing. Started reaming. |
| 8/9/41 | 10 hrs. | | | 1193-1205 Grey Marl with small alternating bands of limestone. | Reaming 1158' - 1173' |

LOG OF OPERATIONS



| Date & Shift | Running Time | Lost Time | Shift Tally | Strata | Remarks |
|--------------|--------------|-----------|-------------|--|--|
| 9/9/41 | 6 hrs. | 3 hrs. | | | Reaming 1173-1193' Broke Valve and rocker. |
| 10/9/41 | 11 hrs. | 2 hrs. | 3 | 1193' - 1196' | Ground in valve and adjusted. Ran 12'2" & 19'5" to 1185'9". |
| 11/9/41 | 10 hrs. | | 4 | 1196' - 1200' | Drilled 1196' - 1200'. |
| 12/9/41 | | | 4 | 1200' - 1204' | Drilled 1200' - 1204'. |
| 13/9/41 | 6 hrs. | | 1 | 1204' - 1205' | Drilled 1204' - 1205'. Rope run off mast wheel, and to straighten up mast etc. |
| 15/9/41 | | | | | Just started when broke yoke on pitman, took same to Portland and repaired, also reins on temper screw straightened, also clay tools bored. Trouble with producer fixing same. |
| 16/9/41 | 3 hrs. | | 2 | 1205' - 1207' Grey Marl | Drilled 1205' - 1207'. |
| 17/9/41 | 7 hrs. | 4 hrs | 3 | 1207' - 1210' Grey marl with thin limestone bands | Doing repairs to producer. Drilled 1207' - 1210' |
| 18/9/41 | 8½ hrs. | 1 " | 7 | 1210' - 1217' " | Drilled 1210' - 1217'. |
| 19/9/41 | 8 hrs. | | 6 | 1217' - 1223' Grey Marl with thin limestone bands. | Drilled 1217'-1223'. Last 2 feet couldn't pick up the core. |
| 20/9/41 | 4 hrs. | | | | Tried clay tool with clack on, but it only picks up a wad in shoe at a time and then wont fall. Cut wood for charcoal. |

LOG OF OPERATIONS



| Date & Shift | Running Time | Lost Time | Shift Tally | Strata | Remarks |
|--------------|--------------|-----------|-------------|--|---|
| 22/9/41 | 8 hrs. | | 5' | 1223' - 1225' Grey Marl with thin limestone bands. 1225' - 1226' Hard limestone. 1226' - 1228' Grey Marl with Limestone bands. | Hard band at 1225 feet, had to put on drill to go through it. Drilled 1223' - 1228'. |
| 23/9/41 | 8 hrs. | | 4' | 1228' - 1232' Grey Marl and Limestone bands. | Drilled 1228' - 1232'. Caving from behind casing. |
| 24/9/41 | | | | | Broke yoke on pitman, took same to Portland to get it welded and straightened. |
| 25/9/41 | 8 hrs. | | | | Reaming, reamer not working well owing to the hole being dirty. |
| 26/9/41 | 8 hrs. | | | | Ran Casing to 1209'8", tried to work another length down in the 4" hole, but couldn't get it to go. Cleaned out hole. |
| 27/9/41 | 4 hrs. | | 2' | 1232' - 1234' Grey Marl with Limestone bands. | Drilled 1232' - 1234'. Couldn't pick up the core. |

No evidence of any gas or oil.

W.L.SIDES & SON PTY LTD.
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