



PORT PHILIP OIL Co.

WILLIAMSTOWN

BORE - 1.

Well Elementary

Williamstown Bore

(W357)

WILLIAMSTOWN BORE

W357

PE904060

This is an enclosure indicator page.
The enclosure PE904060 is enclosed within the
container PE904059 at this location in this
document.

The enclosure PE904060 has the following characteristics:

ITEM_BARCODE = PE904060
CONTAINER_BARCODE = PE904059
NAME = well card
BASIN = OTWAY
PERMIT =
TYPE = WELL
SUBTYPE = WELL_CARD
DESCRIPTION = well card Williamstown Bore
REMARKS =
DATE_CREATED = 7/02/24
DATE_RECEIVED =
W_NO = W357
WELL_NAME = Williamstown Bore
CONTRACTOR = Port Phillip Oil Co
CLIENT_OP_CO = Port Phillip Oil Co

(Inserted by DNRE - Vic Govt Mines Dept)

Location back beach at Williamstown.

Spudded Feb. 1924. El,
abandoned T.D.

Plant used - combination rotary + percussion
log of bore. W.B.P. 205, 206.

Casing 6" to 260'
5" to 300'

● all top water successfully "muddied off":

at 242' a distinct seep of light volatile oil appeared in the bore. This was re-perceived on over-running the 5" casing at the same depth.

T.D. not known but over 275'.

Corded.

June 26th 1924 P. 967.

Port Phillip Oil 21st Pulling resumed here to
272' in older basalt.

July 3 1924 P. 23.

Port Phillip Oil. 27th No 1 bore 285 ft
in pale coarse quartzitic sand.

10 th	No mention
17 th	" "
24 th	" "
31	" "
7 th Aug	" "

Industrial & Mining Standard.
1924-1925.

Port Phillip Oil Co.

Williamstown Bore.

SF. 622.05

Volumes for year 1924

AU. 7M.

^{STOWN}
WILLIAM BORE OF PORT PHILLIP OIL CO.

(1924.)

Located at the Back Beach, Williamstown

0'	-	8'	Clay and basalt boulders
8'	-	40'	Basalt, vesicular
40'	-	48'	Decomposed basalt
48'	-	54'	Brown sand with charred tree fragments
54'	-	58'	Yellow sandy clay - Non fossiliferous
58'	-	64'	Yellow clay sand - Non fossiliferous
64'	-	70'	Yellow sand - Non fossiliferous ? Miocene
70'	-	75'	Coarse sand, ^{calc} pal , quartzite - fossiliferous
75'	-	90'	Medium sand, ^{calc} pal , quartzite - fossiliferous
90'	-	102'	Yellow sandy clay - fossiliferous
102'	-	110'	Reddish brown clay sand - fossiliferous
110'	-	133'	Yellow clay sand - fossiliferous
133'	-	140'	Dark yellow clay sand
140'	-	148'	Yellow clay, green bands (Glaucanite)
148'	-	156'	Blue clay, limestone bands, fossiliferous
156'	-	165'	Blue marl, limestone bands - fossiliferous
165'	-	168'	Yellow brown calcareous sands - fossiliferous
168'	-	198'	Blue marl and limestone - fossiliferous
198'	-	202'	Lignitic clay dark - fossiliferous
202'	-	204'	Lignitic clay light - fossiliferous
204'	-	224'	Marl and limestone - fossiliferous
224'	-	247'	Coarse pale sand with thin clay bands - fossiliferous
247'	-	250'	Running sands coarse
250'	-	252'	Hard brown claystone
252'	-	260'	Green clay ? basaltic
260'	-	274'	Hard vesicular basalt - older
274'	-	280'	Clay basalt decomposition products
280'	-	283'	Sands fossiliferous (Oligocene) and basalt fragments
283'	-	295'	Hard vesicular basalt
295'	and over		Fine esturine quartzitic sands, ferruginous and fossiliferous (? Oligocene)
767'	(?)		Extend Silurian

Entered.

OIL and GAS DIVISION

20 JUL 1984

Mr. Edmund L. Lind wrote that he had seen a Mr. Mason who is positive that the oil will recur in the hole at the foot of Victoria Street which he had, early in April, quarried out of rocks to a depth of upwards of 3 feet and which contained no clay, and that he would like to clean it out again in my presence or in the presence of a Deputy..... We shall be glad if you could arrange to meet here next Thursday at 1 p.m. when the tide and we trust, the weather will be favourable.

We are thus following out your wishes although in justice to our experts we should say that they are of the same opinion as yourself that the origin of this oil is in doubt and may possibly be seaborne, although two very high authorities have made definite pronouncements that in their opinion it is a true seepage of subterranean origin. Trusting this will convince our bona-fides in this somewhat contentious matter. Awaiting a reply, Yours faithfully,
 (Signed) Edmund Lind.
 Williamstown, 24/7/1923.

The following report was prepared by Mr. Hunter.
 "Mr. Watson and myself again visited this place on the beach at Williamstown, about 100 yards west from the public bathing shed.

A hole which I understand has previously been dug in the loose basalt boulders to a depth of ~~300~~ feet was reopened and faint traces of an oily substance was observed oozing in from the sides at a level from 6 to 8 inches below the beach surface.

did
 The oily material ~~did~~ NOT appear to be rising from the bottom. The whole of the upper layer of the beach here for a depth of about 2 to 4 feet consists of loose basaltic boulders, sand, and seaweed with an admixture of all kinds of rubbish deposited at various times from the town. We see no reason to alter our former opinion and have nothing to add or detract from our report of 24/7/1923.

A company was formed, the Port Philip Oil Co. Ltd. and a bore was put down on the back-beach at Williamstown. The log of the bore as supplied by Mr. J. L. Strevens, is as follows.:

Report to date on the boring operations of your Company at the Back Beach, Williamstown:-

<u>Depth (ft)</u>	<u>Strata.</u>	<u>Remarks.</u>
0-8	Clay & basalt boulders	
8-40	Basalt, vesicular	
40-48	Decomposed basalt	
48-54	Brown sand with charred tree fragments	
54-58	Yellow sandy clay	Non fossiliferous
58-64	" clay sand	"
64-70	" sand	"
70-75	Coarse sand, pale, quartzite	"
75-90	Medium " " " "	"
90-102	Yellow sandy clay	"
102-110	Reddish brown clay sand	"
110-133	Yellow clay sand	"
133-140	Dk. yellow clay sand	
140-148	Yellow clay, green bands (Glauconite)	
148-156	Blue clay, limestone bands, fossiliferous	
156-165	" marl " " "	
165-168	Yellow brown calcareous sands	"
168-198	Blue marl and limestone	"
198-202	Lignitic clay dark	"
202-204	" " LIGHT	"

?
 Miocene

204-224 Marl and limestone fossiliferous
224-227 Coarse pale sand with thin " clay bands.
247-250 Running sands coarse
250-252 Hard brown claystone
252-260 Green clay ? Basaltic
260-274 Hard vesicular basalt - older
274-280 Clay basalt decomposition products
280-283 Sands fossiliferous? (Oligocene) and basalt fragments
283-295 Hard vesicular basalt
295 and over Fine estuarine quartzitic sands, ferruginous and fossiliferous (Oligocene)

6" casing with calyx cutter to 260 feet.
5" casing " " " 300 feet.

All top waters successfully "mudded off".

At 242 feet a ~~666~~ distinct seep of light volatile oil appeared in the bore. This was re-perceived on over reaming the 5" casing at the same depth. During the whole process of drilling operations the beach seepages of crude oil (heavy, mixed, base asphaltic) have been most persistent and are today as good as ever they were. Drilling the lower beds in the tertiaries is ~~66~~ recommended.

The present bore started in the middle of February but delays due to fishing jobs (3), waiting for casing, sand and water troubles, engine changing etc. has only permitted of a actual drilling over a period of 2½ months.

Present plant in use, combination rotary table and percussion.

J. L. STREVS.

Well at 250' 30/4/24

John Strevens M.I.A.M.E., M.Inst.F.

PETROLEUM
THE FUEL INDUSTRIES
THE CHEMICAL INDUSTRIES
MINERALS
(PROSPECTING,
DEVELOPMENT)

OFFICES:

KEMBLA BUILDING, MARGARET STREET,
SYDNEY

AND AT 95 MILITARY ROAD, NEUTRAL BAY

YOUR REF. PRK:CF

TELS. 90 4332
29 3868

PRK:CF

12th July, 1963.

J.L. Strevens Esq.,
95 Military Road,
Neutral Bay,
SYDNEY. N.S.W.

Dear Mr. Strevens,

in,
wa

Williamstown Oil Exploration Syndicate
Bore, Williamstown.

A year or so ago you gave one of my geologists Mr. P.R. Kenley some information on a bore you drilled at Williamstown in 1924 which penetrated to Silurian bedrock.

A search of our records has disclosed a most useful detailed log (signed by yourself), of another (?) bore at Williamstown drilled by the Port Phillip Oil Co. Ltd. This is evidently not the bore cited above.

Recent investigations in connection with underground water research in the Melbourne area, has made it necessary for us to accumulate as much data as possible about the Tertiary sediments, depth to bedrock etc. and with this in mind I would be grateful if you could provide us with a copy of the lithological log and other relevant details of this bore.

with
To

Yours faithfully,

J.L. KNIGHT,
A/g. Director of Geological Survey.

PRK:CF

12th July, 1963.

J.L. Strevens Esq.,
95 Military Road,
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AND AT 95 MILITARY ROAD, NEUTRAL BAY

YOUR REF. PRK:CF

OUR REF. JL:JS

29th July, 1963.

Mr. J.L. Knight,
(Acting) Director of Geological Survey,
Department of Mines,
Treasury Buildings,
MELBOURNE, C.2. VIC.

Dear Mr. Knight,

re: Williamstown Bore

In reply to yours of 12/7/63 and from memory only, the following pertinent facts emerged from the drilling of a hole on Williamstown Beach in 1924 by Fort Phillip Oil Co. Ltd. for which Company I acted as Technical Adviser.

The hole entered the Silurian at around 767' (?) after going through a tertiary section almost identical with that at Aitona and which is referred to in Dr. Kerman's Bulletin no: 45 of the Geological Survey "The Brown Coals of Victoria". Prior to entering the Silurian coarse quartz wash was encountered very oily but water logged. The fluids rose up the bore and overflowed the derrick floor but the oil we managed to separate was almost identical with a seepage oil on the Beach found in crevices in the newer basalt. At the time I considered it equivalent to the Oligocene oil (?) in Gippsland but that was inferred because then very little was known of the Lakes Entrance oil's composition.

However my first impressions from both Lake Bunga, Gippsland and Williamstown Beach was as above especially as I had a lot to do with the first Lake Bunga oil emanating with gas and warm water and was the first to definitely certify that the bunga oil was a heavy asphaltic type crude.

Incidentally there was only one bore sunk at Williamstown Beach, and the syndicate converted to Fort Phillip Oil Co. later. It was in the offices of Anderson as secretary with the Collins House crowd, and the brothers Gray of Williamstown Dockyard fame were the principal directors. The well was sunk percussion with "Star Bits" loaned by the Department and Stanley Hunter and James Binney collaborated. Motive power was a blackstone oil engine and the driller, J.B. Weger from U.S.A. who was prominent in those days.

Mr. J.L. Knight

29th July, 1963.

Trusting this will help,

Yours truly,

John Stevens

JOHN STREVENS, M.I.A.M.E., M. Inst. F
MAN. DIRECTOR CENTRAL COAST OIL LTD.

"Herald" 30/7/63 Well 250'