

PE904093

This is an enclosure indicator page.
The enclosure PE904093 is enclosed within the
container PE904088 at this location in this
document.

The enclosure PE904093 has the following characteristics:

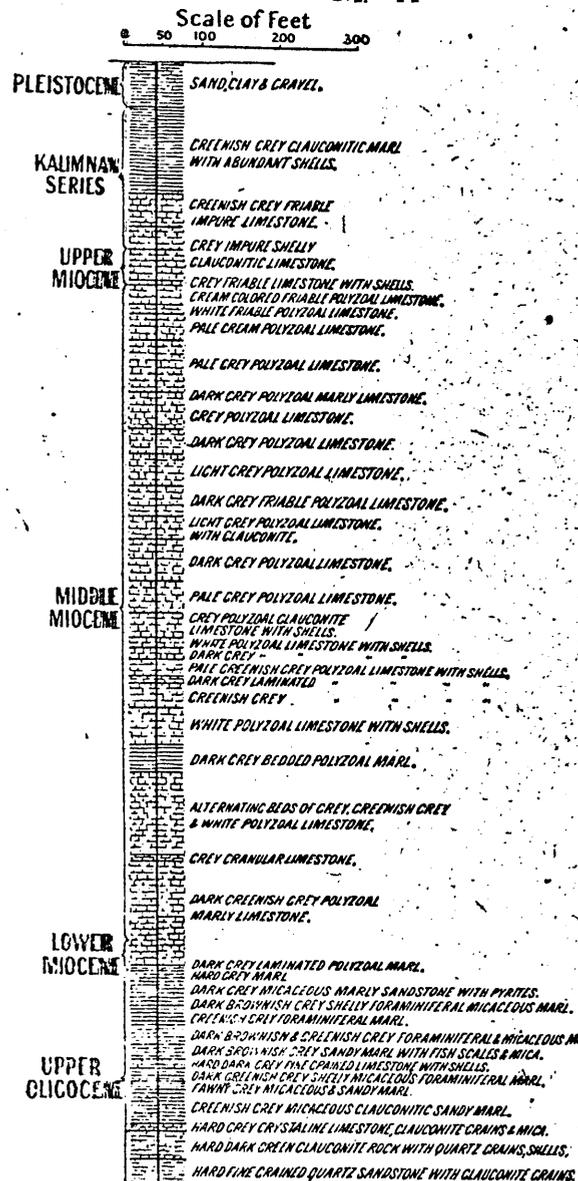
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CONTAINER_BARCODE = PE906268
NAME = well card
BASIN = GIPPSLAND
PERMIT =
TYPE = WELL
SUBTYPE = WELL_CARD
DESCRIPTION = well card Point Addis 1
REMARKS =
DATE_CREATED = 7/06/29
DATE_RECEIVED =
W_NO = W371
WELL_NAME = Point Addis-1
CONTRACTOR = Point Addis Co NL
CLIENT_OP_CO = Point Addis Co NL

(Inserted by DNRE - Vic Govt Mines Dept)

POINT ADDIS COMPANY N.L.

No. 1 Bore,

District of Metung, Gippsland.



Upper Oligocene.

This series is represented by two stages, viz.:-

- (i) Micaceous foraminiferal marl from 1,115 to 1,370 feet.
- (ii) Glauconitic series from 1,396 to 1,429 feet.

The latter is represented by a dark-green rock with a quantity of angular and subangular quartz grains with concentrically coated brown pellets. The thickness in the different bores varies from 33 feet to 126 feet.

A detailed geological and topographical survey of most of this area has recently been carried out, and the northern limits of the Tertiary formation defined. Granite, Ordovician (slate and sandstone), Porphyry, and Upper Devonian rocks constitute the bed rock. The first two of these were also proved to be the bedrock, when bores were drilled through the Tertiary series.

A general review of the geological data obtained as the result of boring operations in the Lakes Entrance area, shows a greater uniformity in the Pliocene beds than in those of the succeeding Miocene series. As previously stated, a richly fossiliferous zone of typically Pliocene fossils was met with at 90 feet in the Point Addis No. 1 Bore at Metung. This coincides exactly with the depth of this series in the No. 1 Government Bore at Lakes Entrance, and is confirmed by a similar deposit at 70 feet in the Kalimna Company's No. 1 Bore on Rigby Island. This proves a well defined palaeontological marker bed over a length of at least $6\frac{1}{2}$ miles. At the Valve Company's Bore at Pelican Point, 13 miles east of Metung, it occurred at 392 feet.

The Miocenes range from 584 feet to 1,060 feet in thickness, and are typified by soft to hard white and grey polyzoal limestones which are so consistent in the Middle Miocene as to be easily recognizable. The Upper Oligocene or basal beds of the tertiary series in this locality, which include the oil-bearing glauconite beds, have a thickness of about 250 feet.

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W371

PARISH OF BUMBERRAH.

Bore 1.

(Point Addis Company.)

Point Addis - 1

Position.—On the road, between the Reserve and Bancroft Bay, north-east of Metung.

Surface level, 2.00 feet.

Strata.	Thickness.		Depth struck.	
	ft.	in.	ft.	in.
Sand, gravel, and boulders ..	60	0	0	0
Marl, fossiliferous ..	90	0	60	0
Grit, coarse, with fine sandy marl	7	0	150	0
Marl, fossiliferous ..	3	0	157	0
Silt, sandy, fossiliferous ..	10	0	160	0
Sand, hard, cemented ..	2	0	170	0
Silt, sandy, fossiliferous ..	68	0	172	0
Limestone, fossiliferous, Polyzoal	190	0	240	0
Marl, Polyzoal, fossiliferous ..	333	0	430	0
Hard, cemented band ..	2	0	763	0
Limestone, Polyzoal ..	18	0	765	0
Marl ..	7	0	783	0
Hard, cemented band ..	1	0	790	0
Limestone, white, Polyzoal, with hard green bands ..	4	0	791	0
Marl, dark ..	10	0	795	0
Limestone, Polyzoal ..	3	0	805	0
Marl, dark ..	2	0	808	0

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Point Addis - 1.

Strata	Thickness.		Depth struck	
	ft.	in.	ft.	in.
Limestone, coarse, with shells ..	4	0	810	0
Marl, dark, sandy, Polyzoal ..	6	0	814	0
Limestone, hard, green, Polyzoal ..	20	0	820	0
Marl, dark, soft ..	10	0	840	0
Limestone, hard, recrystallized..	5	0	850	0
Marl, green ..	5	0	855	0
Limestone ..	11	0	860	0
Marl, dark ..	1	0	871	0
Limestone ..	3	0	872	0
Marl ..	10	0	875	0
Limestone, hard, with marl ..	9	0	885	0
Marl, dark to light, coloured ..	16	0	894	0
Limestone, hard, with a little green marl ..	38	0	910	0
Marl, hard, dark ..	2	0	948	0
Limestone, with green patches..	10	0	950	0
Marl ..	5	0	960	0
Limestone, sandy ..	5	0	965	0
Marl, hard, with a little pyrite	10	0	970	0
Marl, greenish, Polyzoal ..	20	0	980	0
Limestone, granular, Polyzoal ..	5	0	1,000	0
Marl, laminated, dark grey, Polyzoal ..	5	0	1,005	0
Limestone, granular, Polyzoal..	7	0	1,010	0
Marl, laminated, dark grey, Polyzoal ..	3	0	1,017	0
Limestone, granular, greenish, Polyzoal ..	20	0	1,020	0
Marl, greenish grey, Polyzoal ..	40	0	1,040	0
Limestone, fine grained, Polyzoal	10	0	1,080	0
Marl, greenish grey, Polyzoal ..	20	0	1,090	0
Limestone, greenish grey, Polyzoal ..	13	0	1,110	0
Marl, laminated, grey, Polyzoal	2	0	1,123	0
Limestone, hard, crystalline, grey	7	0	1,125	0
Marl, dark grey, Polyzoal ..	10	0	1,132	0
Limestone, hard, grey, Polyzoal	3	0	1,142	0
Marl, laminated, dark grey, Polyzoal ..	5	0	1,145	0
Limestone, hard, grey, granular	5	0	1,150	0
Marl, grey, with little pyrite, Polyzoal ..	95	0	1,155	0
Limestone, granular, dark grey, micaceous ..	13	0	1,250	0
Hard limestone band ..	0	9	1,263	0
Limestone, granular, dark grey, micaceous ..	6	3	1,263	9
Hard limestone band ..	0	1	1,270	0
Limestone, granular, dark grey, micaceous ..	8	11	1,270	1
Hard limestone band ..	0	6	1,279	0
Limestone, granular, dark grey, micaceous, Polyzoal ..	15	6	1,279	6
Hard limestone band ..	0	6	1,295	0
Limestone, granular, micaceous	16	6	1,295	6
Hard limestone band ..	0	3	1,312	0
Limestone, granular, micaceous	6	9	1,312	3
Marl, foraminiferal, ligneous, micaceous, green ..	36	0	1,319	0
Hard limestone band ..	1	4	1,355	0
Marl, ligneous, greenish, micaceous ..	39	8	1,356	4
Glauconite ..	36	0	1,396	0
Sand ..	17	0	1,432	0
Depth bored	1,449	0

Artesian water flowing at the rate of 20,000 gallons per hour

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Tests were made as to the quantity of oil available when artesian water was flowing over the surface of casing and also with only a few @ feet of water in the bore, but the quantity of oil was constant, viz., 1 pint per day. Artesian water at the rate of 1500 gallons per day existed.

Another bore (No. 3) was put down by the Mines Department near the Princes Highway on North Arm. The strata passed through were similar to that in the previous bores. At 1331 feet, the glauconite bed was reached, and at 1370 feet artesian water, carrying oil and gas, was struck. The quantity of oil was again 1 pint per day and the flow of water 250,000 gallons per day. Below the glauconite 20 ft. of fine sandstone was passed through and granite was reached at 1404 feet.

The strata passed through in No. 3 bore comprised Sands and shelly and granular limestones (Kalimnan, Pliocene) to 140 feet.

- Polyzoal limestones and marls (Janjukian, Miocene) to 1120 feet
- Polyzoal limestone, ligneous and micaceous marls with several hard limestone bands (Oligocene) to 1330 feet
- Glauconite rock with foraminifera, quartz grains, etc. to 1359 feet
- Sand - silicious and calcareous with mica to 1404 feet

Westwards of No. 3 bore, the Kalimna Company, on Rigby Island, proved a similar sequence but the glauconite bed, 31 ft. in thickness (1387 ft. 6 in. to 1418 ft. 6 in.) was underlain by 51 feet 6 inches of sandstone, fine, calcareous and micaceous, and bottomed on metamorphic schists at 1472 feet.

North of Metung the Point Addis No. 1 bore reached the glauconite bed at 1392 feet, which proved to be 26 ft. in thickness, below which 17 feet of coarse silicious sand was bored before bedrock was met. A strong flow of artesian water with gas and slight films of oil was struck below the glauconite.

No. 2 Point Addis bore, 2½ miles north of No. 1 P.A. Bore, reached the ligneous-micaceous series at 770 ft., below which many layers of silicious sands were passed through containing flows @@ of artesian water and reached bedrock - schists and quartzite - at 911 ft. No glauconite was found in this bore.

North of No. 3 bore, Lakes Entrance, a bore on Mississippi Creek proved the Polyzoal limestones and marls to 400 ft., followed by ligneous and micaceous marls to 500 ft., thence sands and grits to 652 feet.

The result of the above bores, together with those of companies, has proved the geological conditions to be a series of alternating marine deposits accumulated on a slowly sinking surface of the bedrock which dips to the south at the rate of about 200 ft. to the mile. At a depth of from 1100 to 1300 ft. below sea level, a layer of glauconite rests on the bedrock but, in deeper area, layers of sand exist between it and the bedrock.

The glauconite which carries the oil in its native state - not having been affected by migration - has been proved for a length of 10 miles, and in all probability will be traceable for a much greater distance; it has a width of about 2 miles and forms a huge lens.

- 258 - From Baragwanath 1947

POINT ADDIS OIL COMPANY - BORE NO.1.

- Situate at METUNG, VIC.

Elevation 15'.

Surface to 50' - coarse running sand, yellow.

Casing 8" to just below 50'.

50' to 228' app. - marl

Casing 8" set at approx. 65'.

228' to 279' app. - polyzoal

279' " 578' " - grey marl, fossiliferous

578' " 600' " - cream marl

600' " 989' " - grey marl

989' " 1042' - dark clay, micaceous and fossiliferous

5" hard band at 1042'

1042' to 1066' - dark clay, micaceous and fossiliferous

18" hard band at 1066'

1066' to 1083' - dark clay, micaceous and fossiliferous

12" hard band at 1083'

1083' to 1100' - dark clay, micaceous and fossiliferous

11" hard band at 1100'

1100' to 1125' - dark clay, micaceous and fossiliferous

8" hard band at 1125'

1125' to 1147' - dark clay, micaceous and fossiliferous

5" hard band at 1147'

1147' to 1166' - dark clay micaceous and fossiliferous

5" hard band at 1166'

1166' to 1186' - dark clay, micaceous and fossiliferous

5" hard band at 1186'

1186' to 1200' - dark clay, micaceous and fossiliferous

1200 " 1204 - glauconite and oil

Casing 6" set at 1204'

1204' to 1238' glauconite and oil.

No information further than above available. ABANDONED.

Apparently set glauconite

Point Addis oil wells

BORING OPERATIONS.

Following is the Record of Work done on _____ Drill No. _____ while in

Age for week ending 16 / 11 / 1929

Geographic Address Meting

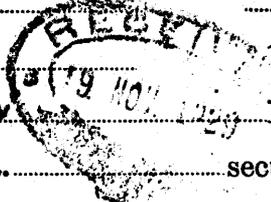
Postal Address Meting

Parish of Bunbury

Bore No. 1

POSITION: From _____ corner allot _____ section _____ go _____ then _____

J J Hefau
Signature of Foreman.



STAFF.

Position.	Name.	Shift Hours.	Days worked.
Foreman	<i>J J Hefau</i>	7:30 till 4:45	
Shift-foreman			
Shift-foreman	<i>G. P. ...</i>	7:30 till 4:45	
Assistant	<i>M. ...</i>	6:30 till 4:45	
Assistant	<i>M. ...</i>	7:30 till 4:45	
Assistant	<i>M. ...</i>	7:30 till 4:45	

TOOLS USED.

	From.	To.		From.	To.
	feet.	feet.		feet.	feet.
Auger			Calyx	273	1398
Drive pump			Shot		
Star bit			Diamonds...		

FUEL.

On hand at end of previous week	
Received during week ...	
Total	
On hand	
Used	

WATER.

Struck at 1354 feet.
Flow 120 gallons per hour.
Quality fresh
Standing at when bore completed _____ feet.

TUBES.

	8"	7"	6"	5"	4"	3"
	feet.	feet.	feet.	feet.	feet.	feet.
In hole	163	1240				
Not in use						
Total						

Diameter of bore hole 8 1/4 inches.
Reduced to 5 7/8 inches diameter at 1201 feet.
Dip at strata _____

Remarks on strata that are worth recording, also explanations of any delays, repairs, loss of material, &c. :-

a little gas coming in water

FEET BORED.

Shift.	From.	To.	For Shift.	METER.
				At end of Shift.
	feet.	feet.	feet.	
Monday				
11/11/29	Day	1373 - 1385	13	
	Afternoon			
Tuesday	Day	1385 - 1393	8	
	Afternoon			
Wednesday	Day	1393 - 1398	5	
	Afternoon			
Thursday	Day	<i>Entry and connection etc.</i>		
	Afternoon	<i>49 Pore</i>		
Friday	Day	<i>cleaning out</i>		
	Afternoon	<i>cleaning out</i>		
Saturday	Day	<i>cleaning out</i>		
	Afternoon	<i>cleaning out</i>		
TOTAL FOR WEEK				35

STRATA PASSED THROUGH.

Material.	From.		To.		Thickness.		Core Obtained.	
	ft.	in.	ft.	in.	ft.	in.	ft.	in.
<i>Sandstone</i>								
<i>Medium clay</i>	1373		1376		33		17	
<i>Shale</i>	1396		1398		2		2	

POINT ADDIS-1

W 371

37°52'47"
147°51'33"

at Cappeland East. (1936.

Pt. Addis No. 1. (Mating).

Depth 1429.

Lower Pliocene (Kalimnan)	60'-240'
Upper Miocene	240'-285'
Middle "	290'-690'
Lower "	700'-1110'
Upper Oligocene	1115'-1429'

-Pliocene 1115'-1370'

-Glauconite 1396'-1429'.

Loc. Parish of Bumberah. On road between reserve + Bancroft-Key
North east of Mating.

Elev. 2.00 ft.

T.D. 1449'.

Anterior water flowing at 20,000 galls/hour.

Gas. CO₂ 2.19%

O₂ 0.4%

CH₄ 94.21%

H₂ 3.2%

Gross calorific value calc. (uff. 1002

S.G. 0.585.