

PE904090

This is an enclosure indicator page.
The enclosure PE904090 is enclosed within the
container PE904088 at this location in this
document.

The enclosure PE904090 has the following characteristics:

ITEM_BARCODE = PE904090
CONTAINER_BARCODE = PE906272
NAME = well card
BASIN = GIPPSLAND
PERMIT =
TYPE = WELL
SUBTYPE = WELL_CARD
DESCRIPTION = well card Point Addis 3
REMARKS =
DATE_CREATED =
DATE_RECEIVED =
W_NO = W376
WELL_NAME = Point Addis-3
CONTRACTOR = Point Addis Co NL
CLIENT_OP_CO = Point Addis Co NL

(Inserted by DNRE - Vic Govt Mines Dept)

W 376

POINT ADDIS No. 3. BORE - LAKES ENTRANCE.

Elevation 20'.

Surface to 20' - sandy clay.

20' to 47' - sand coarse, with gravel.

47' " 220' - yellow sandy clay, marl blue, fossiliferous.

220' water.

220' to 880' approx. - limestone, white polyzoal, marl grey, green and white, fossiliferous (alternate)

880' " 1068' - marl, fossiliferous, clay dark micaceous, grey and puggy.

1068'	hard band	1'	}
1085'	"	10"	
1102'	"	11"	
1130'	"	8"	
1149'	"	5"	
1168'	"	5"	

Dark micaceous clay alternating.

1168' to 1202' - dark sandy clay, micaceous)

1202' - glauconite 37' 6" oil bearing)

Rich oil at 1202'

1239' 6" - water sand 1'

1240' 6" - glauconitic pebble 6"

Depth 1241' .

Above details copies from Department log, prepared by Mines Department.

No information is obtainable regarding production, but it is known that a quantity of oil was produced and disposed of.

ABANDONED.

Bore 3 (Point Addis Co.).

PARISH OF CAMPBELLTOWN.

Position.— chains east, then 6 chains north from the south-west corner of allotment 31.

For Bore 1, see Annual Report for 1904; 2 to 6 Annual Report for 1915.

Surface level, 28.07 feet.

W376

Bore 7.

Position.—13.68 chains south, then 0.93 chains east from south-west corner of allotment 10.

Strata.	Thickness.		Depth struck.	
	ft.	in.	ft.	in.
Soil	2	0	0	0
Clay, sandy	4	0	2	0
Sand, fine and gravel	6	0	6	0
Clay, grey, sandy	7	0	12	0
Sand, coarse, and gravel	28	0	19	0
Clay, yellow, sandy	3	0	47	0
Marl, bluish, sandy, fossiliferous	170	0	50	0
Limestone, white, polyzoal	10	0	220	0
Marl, grey	142	0	230	0
Limestone, hard	0	2	372	0
Marl, grey, with bands green and white limestone	360	10	372	2
Marl, grey and green; fossiliferous bands white limestone	209	0	733	0
Marl, dark, brown, fossiliferous	28	0	942	0
Marl, grey, micaceous, fossiliferous	19	0	970	0
Clay, dark, micaceous, fossiliferous	52	8	989	0
Limestone, blue, hard	0	5	1,041	8
Clay, dark, micaceous	25	9	1,042	1
Limestone, hard	1	6	1,067	10
Clay, dark, micaceous, 1-ft. bands limestone at intervals of from 15 to 25 feet	132	8	1,069	4
Glauconite, green (oil showing)	8	0	1,202	0
Glauconite, alternate band hard and soft, containing oil	29	6	1,210	0
Sand, coarse	1	0	1,239	6
Glauconite, green, with pebbles	0	6	1,240	6
Depth bored			1,241	0

Strata.
Soil
Conglomerate

Date. Remarks.

- 20.10.30.—Cemented bore; depth, 1,210 feet.
- 27.10.30.—Drilled out cement; depth, 1,210 feet.
- 28.10.30.—Closed hole for test.
- 3.11.30.—18 gallons oil, 60 gallons water; depth, 1,227-1,230 feet.
- 4.11.30.—5 gallons oil, 13 gallons water.
- 5.11.30.—2½ gallons oil, 32 gallons water; depth, 1,230-1,233 feet.
- 6.11.30.—9 gallons oil, 20 gallons water; depth, 1,233-1,235 feet.
- 7.11.30.—11 gallons oil, 14 gallons water; depth, 1,235-1,238 feet.
- 10.11.30.—56 gallons oil, 68 gallons water.
- 11.11.30.—10 gallons oil, 20 gallons water.
- 12.11.30.—28 gallons oil, 30 gallons water; depth, 1,238-1,239 ft. 6 in.
- 13.11.30.—8 gallons oil, 20 gallons water; depth, 1,239 ft. 6 in. to 1,241 feet.
- 14.11.30.—22 gallons oil, 280 gallons water.
- 15.11.30.—6 gallons oil, 200 gallons water; cemented hole.
- 20.11.30.—8 gallons oil; bailed hole to 1,238 feet.
- 24.11.30.—34 gallons oil, 68 gallons water.
- 25.11.30.—9 gallons oil, 16 gallons water.
- 1.12.30.—60 gallons oil.
- 2.12.30.—12 gallons oil.
- 3.12.30.—9 gallons oil, 19 gallons water.
- 4.12.30.—13 gallons oil, 17 gallons water.
- 5.12.30.—12 gallons oil, 28 gallons water.
- 18.12.30.—54 gallons oil.
- 19.12.30.—20 gallons oil; no increase in water.

Year 1931.

PARISH OF BUMBERRAH.

For Bore 1 see Boring Reports for 1929; 2, Boring Reports for 1930.

Bore 3.

Position.—In the south-west corner of allotment 73A (2½ miles north-westerly from Metung). Surface level—5 ft. (approximately).

The following formations were encountered, commencing at the depths mentioned:—

At 0 ft.—soil; 1 ft.—sand and water-worn gravel; 23 ft.—grey silt; 73 ft.—blue marl; 180 ft.—white marl (polyzoal at 250 ft.; water rising to 17 ft.); 300 ft.—grey marl, fossiliferous, firm bands; 569 ft.—marl, dark greenish, puggy, with limestone bands, fossiliferous; 657 ft.—grey marl; 668 ft.—limestone; 681 ft.—greenish marl; 700 ft.—dark marl; 710 ft.—marl, laminated, fossiliferous; 721 ft.—puggy, marl; 723 ft.—marl, laminated, fossiliferous limestone bands; 780 ft.—marl, grey, shelly, patches puggy; 850 ft.—marl, dark fossiliferous; 919 ft.—marl, very puggy, micaceous; 1,041 ft.—hard band; 1,043 ft.—clay, brown, micaceous, hard bands; 1,103 ft.—hard limestone; 1,103 ft. 10 in.—clay, brown, micaceous; 1,106 ft.—hard limestone; 1,106 ft. 8 in.—clay, brown, micaceous, hard bands and pyrites; 1,131 ft. 3 in.—clay, brown, micaceous, hard limestone bands; 1,194 ft.—soft glauconite; depth of bore, 1,226 ft. 6 in.

Water from 23 ft. to 180 ft.; flow 250 gal. per hour. Artesian water struck at 1,180 ft.; flow 1,500 gal. per hour.

ft.—hard limestone; 609 ft. 6 in.—marl, grey, shelly; 680 ft.—limestone with hard bands; 690 ft.—bluish-grey marl; 723 ft. limestone, polyzoal; 740 ft.—limestone, polyzoal, alternating with bands of grey, shelly marl; 1,064 ft.—marl, brown, fossiliferous; 1,155 ft.—blue limestone; 1,155 ft. 6 in.—clay, brown, micaceous; 1,177 ft. 9 in.—blue limestone; 1,178 ft.—micaceous clay; 1,191 ft. 6 in.—limestone; 1,192 ft.—micaceous clay; 1,208 ft.—blue limestone; 1,208 ft. 4 in.—micaceous clay; 1,217 ft. 9 in.—limestone; 1,218 ft. 4 in.—micaceous clay; 1,258 ft.—limestone; 1,258 ft. 5 in.—micaceous clay; 1,275 ft. 9 in.—hard limestone; 1,276 ft. 6 in.—clay, micaceous, sandy; 1,283 ft. 5 in.—limestone; 1,285 ft. 9 in.—clay, micaceous, sandy; 1,310 ft. 6 in.—glauconite, soft, green, showing oil; 1,315 ft. 6 in.—bands of dry and soft, sandy glauconite; 1,321 ft.—glauconite, fossiliferous, showing oil; 1,322 ft.—glauconite, hard, dense with small bands of sand showing oil; 1,336 ft.—glauconite, soft greenish, and sand showing oil; 1,340 ft.—glauconite, hard, dry with small bands of sand showing oil; 1,345 ft. 6 in.—soft glauconite and green sand; depth of bore, 1,348 ft. 6 in.

REMARKS.—8th May, 1931—1,312 ft., cemented bore. 16th May—1,312 ft., cement failed to set. 19th May—1,312 ft., re-cemented bore. 30th May—1,312 ft., showing little oil. 2nd June, 1931—1,334 ft., bailed 8 gal. oil. 4th June—1,336 ft., bailed 5 gal. oil. 5th June—1,340 ft. bailed 7 gal. oil. 6th June—1,340 ft., bailed 5 gal. oil. 9th June—1,340 ft., bailed 19 gal. oil. 10th June—1,340 ft., bailed 7 gal. oil. 11th June—1,343 ft., bailed 10 gal. oil. 12th June—1,345 ft. 6 in., bailed 11 gal. oil. 13th June—1,348 ft. 6 in., bailed 20 gal. oil. 15th June—1,348 ft. 6 in., bailed 4 gal. oil. 16th June—1,348 ft. 6 in., bailed 5 gal. oil. 17th June—1,348 ft. 6 in., bailed 4 gal. oil. Cemented bore.

PARISH OF COLQUHOUN.

POINT ADDIS COMPANY No. 3.

(Lakes Entrance.)

NOTE.—The log of this bore was published in Boring Records 1923 to 1930, page 137. The following are additional details of production test:—

22nd December, 1930—31 gal. oil, 41 gal. water. 23rd December—6 gal. oil, 12 gal. water. 5th January, 1931—88 gal. oil, 400 gal. water. 6th January—12 gal. oil. 7th January—8 gal. oil. 8th January—8 gal. oil. 9th January—8 gal. oil. 10th January—13 gal. oil. 12th January—18 gal. oil, 200 gal. water. 13th January—16 gal. oil, 100 gal. water. 14th January—8 gal. oil, 100 gal. water. 15th January—14 gal. oil, 100 gal. water. 16th January—9 gal. oil, 150 gal. water. 19th January—24 gal. oil. 20th January—8 gal. oil. 21st January—8 gal. oil. 22nd January—cemented water sand. 24th January—cement not set, 1½ gal. oil. 26th January—cement unsuccessful. Recemented hole.

Pt. Addis Co. W389
Bore 4. Point Addis—4

Position.—In the north-east corner of allotment 31c, Township of Lakes Entrance Extension. Surface level—200.85 ft.

The following formations were encountered, commencing at the depths mentioned:—

At 0 ft.—sandy clay; 22 ft.—coarse sand and gravel; 105 ft.—coarse gravel; 116 ft.—hard limestone; 121 ft.—clay; 128 ft.—marl, blue, fossiliferous; 380 ft.—limestone, white, polyzoal; 455 ft.—blue marl; 483 ft.—



All Communications should
be addressed
SECRETARY FOR MINES.
Telephone: F0234.

WB:DS

MINES DEPARTMENT,
TREASURY GARDENS,
MELBOURNE, C.2.

18th January, 1945.

MEMORANDUM FOR THE MINISTER OF MINES:

With reference to report of 9th January, received from Mr. H. J. Cook, Supervisor, Lakes Entrance Project, regarding "oil bearing sandstone" and the proportion of "oil and mud veins," I have to advise that, from early bores drilled by the Department, which were kept under personal supervision, the following conditions were noted.

Bore No. 1, Lake Bunga: This was the first bore in which oil was found. The quantity present - less than an ounce a day - could only be detected in the glauconite by chemical analyses.

Similar conditions existed in Bore No. 2, Lakes Entrance Development Company, where 1½ pints of oil per day were obtained. Here, bubbles of oil and water oozed from portions of the core.

In Bore No. 1, Government, at the Bridge over North Arm, the oil was restricted to one foot of glauconite overlying sand with artesian water.

W 376 ✓ In Bore No. 3, Point Addis Company, (p.137, Records of Boring Operations, 1923-30) - to the south of the shaft - "glauconite, green, oil showing in 8 feet at 1202 feet, and glauconite, alternate bands hard and soft, containing oil 29 ft. 6 in. at 1210 feet." (The quantity of each was not given.)

W 89 above sea level - From Records of Boring Operations, 1931-37, p.7, 1931:-

	1310'	6"
Glauconite, soft, green, showing oil	1315'	6"
Bands of dry and soft sandy glauconite	1321'	
Glauconite, fossiliferous, showing oil	1322'	
Glauconite, hard, dense, with small bands	1336'	
of sand showing oil		
Glauconite, soft, greenish and sand showing oil.	1340'	
Glauconite, hard, dry, with small bands of		
sand showing oil	1345'	6"
Soft glauconite and green sand	1348'	6"

Here again the total thickness of oil-bearing material was not given, but was small. Both the above bores were put down by private company.

Bore No. 4, Pilot Station - Boring Records, 1940, p.32:-

	1423'	6"
Glauconitic sandstone	1441'	2"
Glauconitic sandstone with traces of oil	1442'	
Glauconitic sandstone	1443'	
Glauconitic sandstone with traces of oil	1444'	
Dark sand	1447'	6"

Etc.

COMMONWEALTH PALAEOLOGIST,
NATIONAL MUSEUM,
MELBOURNE.

22nd February, 1933.

REPORT ON BEAM DRILL, PARISH OF CLONQUERRANE,

GIPPSLAND, VICTORIA.

Received from Oil Search Ltd
during October, 1932 and 1933

NOTE: Except where stated that the material examined has been obtained from cores, the bulk of the samples consisted of fine detrital material packed in pill boxes.

186-190 feet. - 186-190 Gravel, with a little sand and lignite.

230-270 feet. - 230-270 Loose quartz sand, with mica.

294-296 feet. - 294-296 Loose, shelly, sand and grit. Washings contain foraminifera (Quinqueloculina vulgaris), molluscan fragments (Maculana woodsi, Trinitella trinitata), pyrites and minute glauconite grains.

300-304 feet. - (Sample collected at here by Miss Crospin, 28/10/32).

Loose, greenish grey, shelly sand.

BRYOZOA - Maculana woodsi; Sinopora boummericensis; Obolus
morinos; Verrucicardia sp. nov.; V. spinulosa; Cardita kalimac;
Clavosella suboperata; Macrocyclista submultistriata; Ne-
triponia aculeostata; Neolepton novaezelandicum; Myodora sp.;
Corbala scabroidea.

GASTRPODA - Dontolium antiochi.

GASTROPODA - Trinitella trinitata; T. trinitata var.; T.
conspicabilis; T. sericula; Olivella nymphalia; Inquistor kalimac
laticosta; Trifid trevori; Pilodrililla dilectoides; Marrinella
propinqua; M. mucronifera; Matica polita; M. hamiltonensis;
M. canniwellensis; Dacrydium neozelandicum; Miso polita; Carbonifera

W 389

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 @ miles and forms a huge lens.

From Baragwanath
1947

- 2258 -