

GOON NURE-1 (W388)

Well Summary Report

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PE904110

This is an enclosure indicator page.
The enclosure PE904110 is enclosed within the
container PE906093 at this location in this
document.

The enclosure PE904110 has the following characteristics:

ITEM_BARCODE = PE904110
CONTAINER_BARCODE = PE906093
NAME = well card
BASIN = GIPPSLAND
PERMIT =
TYPE = WELL
SUBTYPE = WELL_CARD
DESCRIPTION = well card Goon Nure 1
REMARKS =
DATE_CREATED = 1931
DATE_RECEIVED =
W_NO = W388
WELL_NAME = Goon Nure-1
CONTRACTOR =
CLIENT_OP_CO = Amalgm Oil Syndicate

(Inserted by DNRE - Vic Govt Mines Dept)

WELL SUMMARY

GOON NURE - 1.

Amalgamated Oil Syndicate.
Goon Nure No. 1.

W. Boring Records

Year 1931

B.R. 1931-1937. 8

PARISH OF GOON NURE.

AMALGAMATED OIL SYNDICATE.

Bore 1.

Position.—From the north-west corner of allotment 12, section 21, $7\frac{1}{2}$ chains south, thence 5 chains east (11 miles southerly from Bairnsdale). Surface level—95 feet (aneroid).

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

At 0 ft.—surface soil and clay; 4 ft.—coarse gravel; 80 ft.—yellow clay; 130 ft.—sand, fine, drifty; 230 ft.—clay, brown, fossiliferous; 600 ft.—grey marl; 690 ft.—polyzoal limestone; 875 ft.—marl, brown, sticky; 925 ft.—hard limestone; 926 ft.—marl, brown, sticky; 1,005 ft.—hard limestone; 1,006 ft.—marl, brown, sticky; 1,067 ft.—hard limestone; 1,068 ft.—marl, brown, sticky; 1,140 ft.—marl, grey, sandy; 1,190 ft.—limestone and marl; 1,280 ft.—limestone; 1,446 ft.—hard limestone; 1,448 ft.—soft limestone; 1,625 ft.—grey limestone; 1,680 ft.—hard limestone; 1,682 ft.—grey limestone; 1,730 ft.—limestone, hard, white; 1,731 ft.—marl, grey and green, fossiliferous; 2,030 ft.—marl, laminated, grey and green; bands of hard grey limestone; 2,100 ft.—hard limestone with bands puggy marl; 2,160 ft.—puggy marl with bands grey limestone; 2,210 ft.—marl, grey, puggy, fossiliferous; 2,300 ft.—marl with yellow limestone boulders; 2,307 ft.—marl, puggy, fossiliferous, slight gas at 2,340 ft.; 2,400 ft.—puggy marl, limestone boulders; 2,406 ft.—puggy marl; 2,450 ft.—glauconite, grey and dry; 2,453 ft.—shelly marl; 2,461 ft.—marl, grey, puggy; 2,487 ft.—puggy marl with traces of glauconite; 2,500 ft.—puggy marl, alternate bands grey glauconite, trace of brown waxy substance; 2,513 ft.—gravel, coarse and fine, alternating with cemented sand and pyrites, water flowing, gas and oil in small quantities at 2,617 ft. to 2,660 ft., streaks of *brown coal*; 2,660 ft.—clay, pyrites, boulders and glauconitic sand, streaks of *coal* and some oil showing in chip cup; 2,700 ft.—clay, grey, puggy, fossiliferous; 2,720 ft.—hard band; 2,722 ft.—limestone, bands of puggy clay; 2,744 ft.—hard band; 2,746 ft.—puggy clay; 2,750 ft.—hard band; 2,751 ft.—alternating hard and soft bands; 2,757 ft.—soft clay; 2,781 ft.—hard band; 2,784 ft.—very puggy clay; 2,850 ft.—solid *brown coal*; 2,851 ft.—clay, blue, very puggy; 2,859 ft.—solid *brown coal*; 2,866 ft.—hard band; 2,869 ft.—*brown coal*, alternating soft and solid; 2,876 ft.—clay, streaky blue, very puggy; 2,886 ft.—soft *brown coal*; 2,890 ft.—puggy blue clay; 2,899 ft.—hard band; 2,899 ft. 6 in.—soft *brown coal*; 2,909 ft.—puggy clay; 2,913 ft.—solid *brown coal*; 2,918 ft.—hard formation; 2,919 ft.—*brown coal*, alternating soft and solid; depth of bore, 2,929 ft. Artesian water struck at 2,725 ft., showing strong flow of gas.

Amalgamated Oil Syndicate - Coon Mine No 1.

1931. E.L. 95. T.D. 2929. (Lat. 37° 59' 04" S.
Long 147° 33' 32" E)

Concluded.

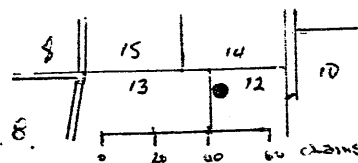
? To a depth of 1730' by Coon Mine Company with percussion plant near site selected by W. Baragwanath & Dr Woolnough.

To obtain cores, rotary drill was hired from Vic Miner Dep. - at depth of 2150' on 17/11/1931.

depth of glauconite bed 2661'

20/7/1932 ... reached depth of 2500' before lignitiferous was penetrated (??) after going 100' deeper, traces of oil were met artesian water has been struck & will require further casing to shut it off.

The Amalgamated Oil Syndicate operated in the Parish of Coon Mine and carried the bore down to a depth of 2929'. The last 70' contained several layers of brown coal. Near the base of the limestone series which extended to approx 2751' a flow of artesian water was struck at a depth of 2727'. Operations at this bore ceased in 1931



From Records of Boring Operations. 1931-1937 Page 8.

Location. From NW. Cor. of allot. 12 - Sec. 21, 7 1/2 chains south thence 5 chains east (11 miles southerly from Barnsdale)
Surface Level 95' (aneroid)

Log of bore. C-2929' T.D. in Coal Measures at T.V.
Artesian water struck at 2725', showing strong flow of gas.

Lopkin



SUMMARY OF STRATA PASSED THROUGH LATTER PART OF "GOON NURE" BORE, PARTICULARLY WITH REFERENCE TO LIMESTONE. THESE FACTS ARE TAKEN FROM THE ACTUAL DAILY LOG OF THE "GOON NURE" BORE WHICH MAY BE SEEN AT THE MINES DEPARTMENT.

The following notes constitute an exact copy of the above log, and consequently are vague as to actual thickness of limestone, etc., but it may be possible by consulting Saunders to make some of these entries more exact.

	2150/2158	x	8	feet	Hard limestone.
	2158/2173	x	15	"	Hard limestone, small bands marl.
	2173/2197		24	"	Marl, very sticky.
2197	2173 /2225	x	28	"	Marl, with bands of limestone.
	2225/2312	<u>70.</u>	87	"	Gray marl, very sticky.
	2312/2340		28	"	Very heavy and sticky.
	2340/2436		96	"	Sticky marl.
	2436/2462				Log missing.
	2462/2480		18	"	Sticky marl.
	2480/2495		15	"	No notes or comment (presumably soft).
	2495/2500		5	"	Traces of Glauconite. <i>Marl.</i>
2500/2502	2502/2522	x	20	"	Bands of fairly hard limestone and sticky marl.
	2522/2528	x	6	"	Hard and soft limestone.
	2528/2545	<u>26</u>	17	"	Traces of Glauconite.
	2545/2580		35	"	Soft formation, traces of brown coal.
	2580/2604		24	"	Cemented sands.
	2604/2618		14	"	Cemented sands with bands of pyrites.
	2618/2661		43	"	Cemented sands and gravel and pyrites.
			<u>511</u>		Last portion of core appears blue clay 30.4.32.

661'
150'
511'

GEOLOGICAL SURVEY REPORTS

20 JUL 1984

OIL and GAS DIVISION

In connection with the search for oil in Gippsland, it became apparent that the area near Lakes Entrance, while proving the existence of oil in appreciable quantity, did not possess the ~~the~~ necessary thickness of Tertiary strata to provide a ~~series~~ recurrence of oil sands as bedrock was reached with comparatively shallow depth of ligneous series.

As the origin of the oil is definitely established to be association with the lignites further west, the matter of proving the country to the west of Lakes Entrance is important as the future of the industry lies in success or otherwise in this locality.

The Goon Nure Company, prior to selecting a site for boring was in consultation with me, and from the evidence then available the company decided to exploit the area, which was also considered as suitable for a trial bore when the matter was reviewed with Dr. Woolnough. No data of a definite nature had been attained to verify the belief that deep ground would be encountered when the company reached a depth greater than proved in the Lakes Entrance area; the directors (Messrs. Christensen and Tomlins) called on me and desired to know whether the results were in accord with those of other bores put down. It was pointed out that only by core drilling could anything be proved definitely but as the boring was in limestone and bedrock not reached until cores could be obtained for determination, it was impossible to state further than that a greater thickness of the limestone series had been reached than anywhere in ~~the~~ Gippsland and that the results to date would have been of more value had the material been examined in detail.

As no idea of the depth to be reached could be stated and as a rotary drill was available, the directors decided to fall in with the views of the Department and Dr. Woolnough as to securing cores for examination. They hired the drill, which was not limited as to depth, whereas the plant in use at the bore might not be sufficiently powerful to see the bore through.

Conditions which have arisen since in connection with the boring, ~~the~~ i.e., shortage of water, have made progress slower but the results will be of value not only to the company but also to the State in dealing with the search for oil and, from the samples of strata submitted, there is no doubt that the Tertiary strata in this area are of great thickness. Judging by the sequence now proved, the ligneous series has not been reached, and, while this series is from 200 to 300 feet thick at Lakes Entrance, a depth of over 1200 feet has been penetrated at Glencoe South. It appears probable the Goon Nure bore will not bottom until a depth of 3000 feet is reached.

In the interests of the State, as so much depends upon the search for oil for ~~the~~ employment, revenue from leases and ultimate development of our natural resources, the continuance of boring and the obtaining of definite data, I recommend that boring be proceeded with if funds can be made available.

DIRECTOR OF GEOLOGICAL SURVEY.

5/11/1931.

MEMORANDUM FOR THE SECRETARY FOR MINES:

Re Goon Nure Bore

This bore was put down to a depth of 1730 feet by the Goon Nure Company with a percussion plant near a site selected by Dr. Woolnough and myself when we considered a scheme for the testing of the Gippsland district in connection with the search for oil.

The bore is 20 miles distant from any other bore and has proved a greater thickness of Tertiary ~~strata~~ strata than any other bore in Gippsland.

Owing to the depth and position of the bore, the need for reliable data as to the strata passed ~~through~~ through became an important matter and, to obtain cores, the company hired a rotary drill from the Government and samples have been submitted at regular intervals to date. These have been examined by Mr. F. Chapman, A.I.S., Federal Palaeontologist, and classed as belonging to the Oligocene series. This series is the one in which the oil-bearing strata of Lakes Entrance occur.

The present depth of the bore is 2150 feet, and the continuation is of importance to obtain a knowledge of the depth and character of the strata in the vicinity and to prove or disprove the possibilities of the area from an oil-bearing aspect.

The work already done represents a cost of several hundreds of pounds and the conditions are favourable for further boring with a plant capable of reaching a depth of over 3000 feet.

To duplicate the work ~~at present~~ in the future will involve an outlay - to reach the present depth - of over £2,000

(Signed) W. BARAGWANATH,
DIRECTOR OF GEOLOGICAL SURVEY.

17/11/1931

PARISH OF GOON NURE
Amalgamated Oil Syndicate

W 388
GOON NURE-1.

Bore 1

Position - From the north-west corner of allotment 12, section 21, $7\frac{1}{2}$ chains south, thence 5 chains east (11 miles southerly from Bairnsdale). Surface level - 95 feet (aneroid).

The following formations were encountered commencing at the depths mentioned:-

At 0' - surface soil and clay;
4' - coarse gravel;
80' - yellow clay;
130' - sand, fine, drifty;
230' - clay, brown, fossiliferous;
600' - grey marl;
690' - polyzoal limestone;
875' - marl, brown, sticky;
925' - hard limestone;
926' - marl, brown, sticky;
1,005' - hard limestone;
1,006' - marl, brown, sticky;
1,067' - hard limestone;
1,068' - marl, brown, sticky;
1,140' - marl, grey, sandy;
1,190' - limestone and marl;
1,280' - limestone;
1,446' - hard limestone;
1,448' - soft limestone;
1,625' - grey limestone;
1,680' - hard limestone;
1,682' - grey limestone;
1,730' - limestone, hard, white;
1,731' - marl, grey and green, fossiliferous;
2,030' - marl, laminated, grey and green; bands of hard grey limestone;
2,100' - hard limestone with bands puggy marl;
2,160' - puggy marl with bands grey limestone;
2,210' - marl, grey, puggy, fossiliferous;
2,300' - marl with yellow limestone boulders;
2,307' - marl, puggy, fossiliferous, slight gas at
2,340'
2,400' - puggy marl, limestone boulders;
2,406' - puggy marl;
2,450' - glauconite, grey and dry;
2,453' - shelly marl;
2,461' - marl, grey, puggy;
2,487' - puggy marl with traces of glauconite;
2,500' - puggy marl, alternate bands grey glauconite, trace of brown waxy substance;

..cont.

PARISH OF GOON NURE

Amalgamated Oil Syndicate

Bore 1

- 2,513' - gravel, coarse and fine, alternating with cemented sand and pyrites, water flowing, gas and oil in small quantities at
- 2,617' to
- 2,660' - streaks of brown coal;
- 2,660' - clay, pyrites, boulders and glauconitic sand, streaks of coal and some oil showing in chip cup;
- 2,700' - clay, grey, puggy, fossiliferous;
- 2,720' - hard band;
- 2,722' - limestone, bands of puggy clay;
- 2,744' - hard band;
- 2,746' - puggy clay;
- 2,750' - hard band;
- 2,751' - alternating hard and soft bands;
- 2,757' - soft clay;
- 2,781' - hard band;
- 2,784' - very puggy clay;
- 2,850' - solid brown coal;
- 2,851' - clay, blue, very puggy;
- 2,859' - solid brown coal;
- 2,866' - hard band;
- 2,869' - brown coal, alternating soft and solid;
- 2,876' - clay, streaky blue, very puggy;
- 2,886' - soft brown coal;
- 2,890' - puggy blue clay;
- 2,899' - hard band;
- 2,899' 6" - soft brown coal;
- 2,909' - puggy clay;
- 2,913' - solid brown coal;
- 2,918' - hard formation;
- 2,919' - brown coal, alternating soft and solid;
- 2,929' - depth of bore;
- Artesian water struck at
- 2,725' - showing strong flow of gas.