

DEPARTMENT OF MINES AND ENERGY

SOUTH AUSTRALIA



OPEN FILE ENVELOPE SERIES

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Transoil N.L.

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PETROMIN NO LIABILITY

TECHNICAL OFFICE
7th FLOOR
27-35 TURBOT STREET
BRISBANE 4000

Telephones: 21 1524
21 1604
Telex 41040
Telegraphic Address:
"Petromin" Brisbane

DHH:DB

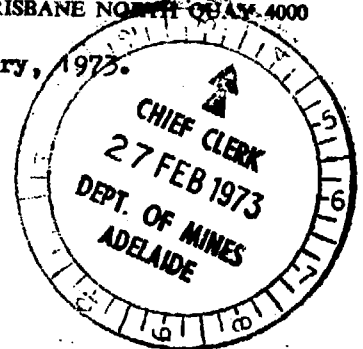
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Please reply to:

P.O. BOX 236,
BRISBANE NORTH QUAY 4000

26th February, 1973.

The Director of Mines,
Department of Mines,
Box 38, Rundle Street P.O.,
ADELAIDE. S.A. 5000.



Dear Sir,

Exploration Licence No. 20
Quarterly Report for period ending February 2nd 1973

Work on the Licence area during this first quarter has been restricted to preliminary geological appraisal and to planning for an exploratory drilling programme later in the year.

This drilling programme will embrace potential areas within this particular licence area and will extend to Exploration Licence No. 15 (Copper Hill area) and to the adjacent Cameron Hill area, on which Licence documents are awaited.

61 70

PETROMIN NO LIABILITY

TECHNICAL OFFICE

7th FLOOR

27-35 TURBOT STREET
BRISBANE 4000

504

Telephones: 21 524
21 1604
Telex 41040
Telegraphic Address:
"Petromin" Brisbane
DHH/CF
E137/73

Please reply to:

P.O. BOX 236,
BRISBANE NORTH QUAY 4000

6th June, 1973.

Director of Mines,
Department of Mines,
Box 38, Rundle St., Post Office,
ADELAIDE. S.A. 5000.

Dear Sir,


Exploration Licence No. 20 - Quarterly Report For Period
Ending May 2nd, 1973.

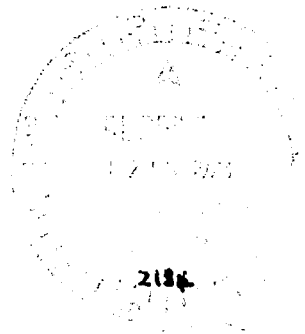
There has been no activity on this Licence area during the quarter under report.

Planning continues however to commence an exploratory drilling programme on this area, and on adjacent areas immediately to the north should title to these be acquired, within the next few months.

Expenditure incurred on preliminary investigations and appraisal of the area remains unchanged at \$520.

Yours sincerely,
PETROMIN NO LIABILITY


D.N. HERON
General Manager



TECHMINAD PTY. LTD.

7th FLOOR, 27-35 TURBOT ST., BRISBANE, Q. 4000

POSTAL ADDRESS: P.O. BOX 232, NORTH QUAY, Q. 4000
PHONE: 21 8288, 21 8448, 21 1524, 21 1604

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Telegraphic Address:
"Techninad", Brisbane
Telex: AA41040DHH/CF
T107/73Management Company for—
OILMIN N.L. (Formerly EXOIL N.L.)
TRANSOIL N.L.
PETROMIN N.L.

12th September, 1973.

Director of Mines,
Department of Mines,
Box 38 Rundle St., Post Office,
ADELAIDE. S.A. 5000.

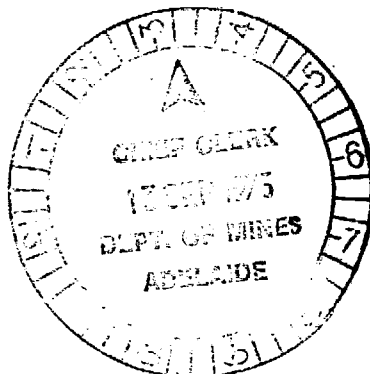
Dear Sir,

Exploration Licence No. 20
Quarterly Report Period Ending August 2nd, 1973

At the time of writing, an exploratory drilling rig is moving into the area held under Exploration Licence No. 20 and, providing weather permits, a minimum 5,000 foot drilling programme will commence within a few days time.

Access to the area will, to a large extent, dictate the programme to be carried out, but initially two north - south lines of holes are proposed in the vicinity of the western and eastern boundaries of the Licence area respectively.

Expenditure allocated against the Licence to the present time remains unchanged at \$520.

Yours faithfully,
TECHMINAD PTY. LTD.
D.H. HERON
General Manager

REPORT ON DRILLING E.L. 20 SOUTH AUSTRALIA

SEPTEMBER, 1973



LOCATION AND ACCESS:

E.L. 20 is located approximately 10 miles north of Colona Station and approximately 100 miles west of Ceduna in South Australia. Access is by the main east-west Port Augusta/Kalgoorlie Road to Colona Station, thence by service tracks to the eastern or western boundaries of the Exploration Licence. While the roads are rough, four-wheel drive is not essential on the roadway. However, the country north of the Station is sandy and four-wheel drive is necessary for cross country work.

TOPOGRAPHY AND VEGETATION:

The whole of the area is virtually flat sandy plain. A few small sandhills up to 100 ft. in height are scattered about the Exploration Licence, but are not extensive and can be by-passed without difficulty. Vegetation consists of a few stunted groves of mulga and mallee gum generally over the sand ridges, while the flat plains are sparsely grassed along with common desert succulents.

GEOLOGY:

The whole of the Exploration Licence lies within, but on the edge of, the Eucla Basin. Surface geology is recent aeolian sand overlying a Miocene - Eocene succession of limestone and interbedded marine sands. Some lignite is present to the east of the Exploration Licence, apparently associated with old shoreline conditions, but this does not appear to extend into E.L. 20.

DRILLING:

Only two holes were completed - one to 80 ft. using air only and one to 95 ft. using air flush initially, then changing to mud drilling over the last 15 ft. Both holes penetrated the surface sand and entered limestone at 5 ft. This continued to 35 ft. in hole 1 and 70 ft. in hole 2. Both holes then encountered interbedded limestone and fine marine sand to 50 ft. in hole 1 and 80 ft. in hole 2. Both finished in fine yellow to mustard coloured sand.

Drilling could have continued had casing been available, but as this was not, loss of circulation within the fine sands resulted in both holes being abandoned. Logs are attached.

CONCLUSIONS AND RECOMMENDATIONS:

It appears from the surface geology that the limestones extend across the entire area of E.L. 20 and that the same sequence would be encountered on the eastern edge.

007

Drilling only in N.W. corner - not promising area for lignite is 15-11-3
The eastern boundary - no potential of area remains unchanged.
There appears little likelihood that the lignite extends within the boundaries of E.L. 20, or that any sedimentary uranium ores exist.

Further drilling is not warranted. However, if drilling was continued, it is recommended that the drilling be done by air with at least 400 cf/min availability, that casing be used to pass the loose sand zones and that the drill truck be equipped with sand tyres and four-wheel drive.

W.E. Bush
W.E. BUSH

2nd October, 1973.

NORTHERN TERRITORY

QUEENSLAND

PEDIRKA BASIN

ARCKARINGA BASIN

P.E.L. 12

E.L. 15
E.L. 39

OFFICER BASIN

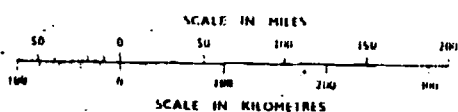
P.E.L. 5 & 6

EUCLA BASIN

E.L. 20

SOUTH
AUSTRALIA

Excluded



WELLS:

1. LAMBINA NO. 1
2. MT. WILLOUGHBY NO. 1
3. MT. FURNER NO. 1
4. KARKARO NO. 1
5. WALLIRA WEST NO. 1
6. WALLIRA NO. 2
7. WALLIRA NO. 1

LEASES

- P.E.L. 5 & 6 : DELHI - SANTOS
- P.E.L. 12 : TRANSOIL - EXOIL

DEPARTMENT OF MINES — SOUTH AUSTRALIA

LOCATION OF THE ARCKARINGA BASIN
AND THE SEVEN WELLS
IN RELATION TO LICENCE AREAS

009

14

52

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13

Colona N21

Colona N22

12

11

10

E.L. 20 SOUTH AUSTRALIA

SHOWING LOCATION OF DRILL HOLES

SEPTEMBER, 1973

SCALE: 1:250,000
(Approx. 1 in. = 4 Miles)

REGIONAL

RESERVE

010

Well No...COLONA 1.....

[illegible]

EXOIL - PETROMIN

011

WELL LOG

Well No. COLONA 2.....

[illegible]

TECHMIN PTY. LTD.

012

7th FLOOR, 27-35 TURBOT ST., BRISBANE, Q. 4000

POSTAL ADDRESS: P.O. BOX 232, NORTH QUAY, Q. 4000

PHONE: 21 8288, 21 8448, 21 1524, 21 1604

Telegraphic Address:
"Techmin", Brisbane
Telex: AA41040

Management Company for—
OILMIN N.L. (Formerly EXOIL N.L.)
TRANSOIL N.L.
PETROMIN N.L.

T300/74

DHH:ja

25th January, 1974

The Director of Mines,
Department of Mines,
Box 38,
Rundle Street Post Office,
ADELAIDE. S.A. 5000

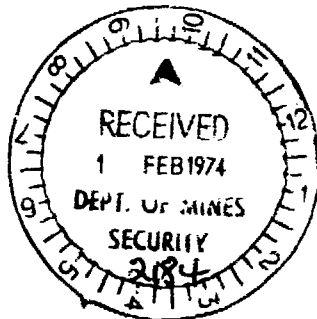
Dear Sir,

Exploration Licence No. 20


In reply to your letter dated 21st January 1974, I apologise for not having submitted expenditure data to you sooner.

Expenditure incurred on the licence area for the whole period of tenure amounted to \$4391 made up as follows:-

Drilling Costs	\$2,003.50
Fares and Accommodation	151.76
Miscellaneous	9.00
Motor Vehicle Expenses	340.59
Depreciation	55.00
Technical Supervision	1,323.62
Administration	249.74
Reports and Reproductions	19.57
Consultants fees	196.40
Insurance	7.87
Camp Supplies	13.00
Fuel	19.23
Freight and Customs Duty	1.52
	<u>\$4,390.80</u>



Yours faithfully,
TECHMIN PTY. LIMITED


D. H. HERON
General Manager