LICENCEE & OPERATOR

NORTHERN CEMENT Pty. Ltd.

RELINQUISHED AREA REPORT

FOR

EXPLORATION LICENCE No.4968

ALEXANDRIA STATION

N.T.

by

L.G. Nixon
L.G.B. Nixon & Associates

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MAP NO. | TITLE | SCALE
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FIG 1  | PLAN of EL4968 and DRILLED AREA LOCATION | 1:250000

FIG 2  | DRILL HOLE PATTERN EL4968 ALEXANDRIA STATION | 1:4000
SUMMARY

Exploratory drilling of the tenement area continued, using a truck mounted Hydropower plant, owned and operated by W. Fick of Darwin. Forty holes were drilled totalling 162.3 metres.

The drilling outlined the approximate limits of the main gypsum deposit. The gypsum may occur as one relatively thick layer or in two layers separated by a narrow clay band, usually near the limits of the deposit.

With the completion of the drilling programme, and the outlining of the approximate limits of the deposit, it is no longer necessary to continue to hold the exploration licence.
INTRODUCTION

Exploration for gypsum, by air and on the ground, located only one significant deposit in the whole of the licence area.

The current exploratory drilling programme was constructed to outline the limits of the main gypsum deposit, located at the Six Mile Waterhole.

The programme accomplished what it was designed to do and at this stage no further exploratory work in the licence area is warranted.

WORK DONE

Staff from Northern Cement Pty. Ltd., and the present writer, continued field investigations into the gypsum deposit.

Whilst in the field, a drill pattern was laid out for subsequent exploratory drilling and the position of future claims outlined.

Drilling was completed by 28/04/1989. Holes were logged initially by Mr. Fick in the field and subsequently by staff from Northern Cement Pty. Ltd.

The holes logged by Northern Cement have been used for evaluation of the drilling results.
RESULTS
Drilling outlined an irregular shaped gypsum resource. Its greatest length is 2.4 kilometres along a north easterly trend. Its width varies from 0.5 kilometres to 1.5 kilometre. Its maximum thickness is 3.5 metres but the average thickness would be of the order of 1.75 metres.

CONCLUSIONS
Exploration of E.L No.4968 has resulted in the discovery of an economically viable gypsum deposit.

Drilling has outlined the economic limits of the deposit. The indicated resource estimated to contain over one million cubic metres of gypsum within its boundaries.

Apart from a small and poor quality gypsum exposed in the southern bank of the Playford River at the 18 Mile Waterhole, no other gypsum deposits have been found within the licence area.

At this stage no further exploratory drilling of the deposit appears to be warranted.

No other drilling targets have been identified in the Exploration Licence area.

The gypsum resource is sufficient to meet the company's needs, at its present rate of consumption, for the foreseeable future.

RECOMMENDATIONS
Surrender the Exploration Licence at the next anniversary date.

FIGURE 1
See Figure 2 for details.
Our Ref: PLW/PAL/E9.1

15th September, 1989

Mr L Mulder
Assistant Director of Geological Survey
Department of Mines & Energy
GPO Box 2901
Darwin NT 0801

Dear Mr. Mulder,

Please find enclosed two maps which are to be attached to our annual report for the period ending 27th June, 1989 on Exploration Licence 4968 Alexandria Station, Northern Territory.

The maps geographically locate the position of our drill holes. Figure 1 is a copy from the topographical survey map sheet number SE 53 - 16 Ranken at a scale of 1: 250,000. Details of the drill hole pattern are given in Figure 2.

I trust this information is satisfies your requirements for our annual report.

Yours sincerely,

P.L. Watters
General Manager

Encs.
See Figure 2 for details.