

# Open File Envelope

## No. 3228

**EL 392**

**STUART CREEK**

### **FINAL REPORT AT LICENCE SURRENDER FOR THE PERIOD 6/3/1978 TO 4/5/1978**

Submitted by  
Carpentaria Exploration Co. Pty Ltd  
1978

© 20/7/1978

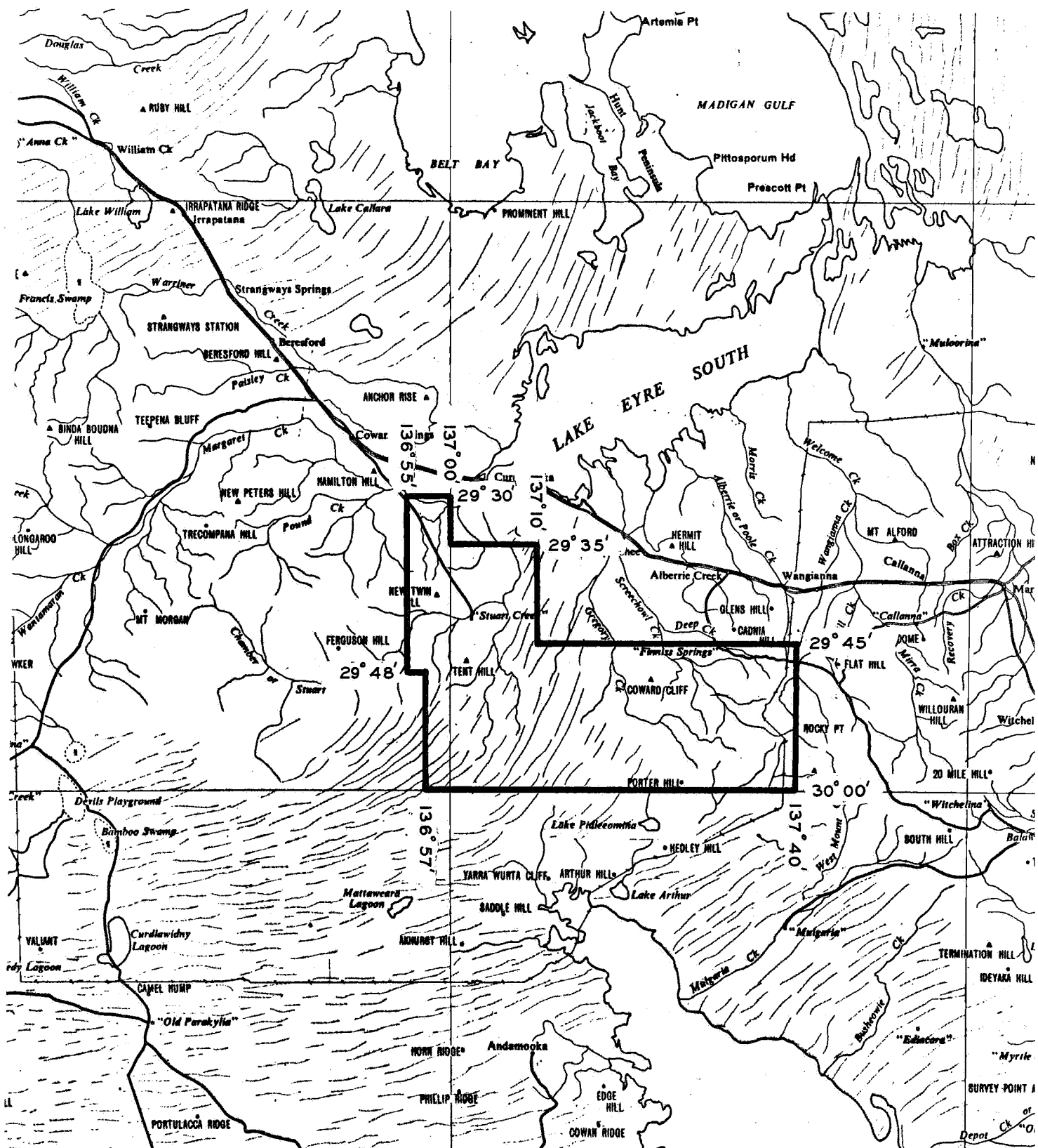
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**Enquiries:** Customer Services Branch  
Minerals and Energy Resources  
7th Floor  
101 Grenfell Street, Adelaide 5000

Telephone: (08) 8463 3000  
Facsimile: (08) 8204 1880



**Government of South Australia**  
**Primary Industries and Resources SA**



SCALE 1:1 000 000

KILOMETRES 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 KILOMETRES

APPLICANT: CARPENTARIA EXPLORATION COMPANY PTY LTD

D.M.: 494 / 77

AREA: 2458 Square kilometres

1:250 000 PLANS:

CURDIMURKA

**SURRENDERED**

LOCALITY: STUART CREEK AREA - SOUTH OF LAKE EYRE

EXPIRY DATE: 5-3-79

*SURRENDERED*

E.L. No.: 392

CONTENTS ENVELOPE 3228

TENEMENT: E.L. NO. 392

TENEMENT HOLDERS: Carpentaria Expln. Co. Pty. Ltd.

REPORTS: Period ended 4/5/78  
Summary Report

(Pgs. 3-4)

(Pgs. 5-6)

PLANS: NONE



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*Carpentaria Exploration Company Pty. Ltd.*

INCORPORATED IN QUEENSLAND

REGISTERED OFFICE: M.I.M. BUILDING, 160 ANN STREET, BRISBANE, QUEENSLAND

TELEX ADDRESS:  
"MIMHOLD AA 40160 BRISBANE"

TELEPHONE: 221 0044

TELEGRAPHIC CODE:  
"MINESEARCH BRISBANE"

P.O. BOX 1042  
BRISBANE, Q. 4001

AWH:CAS:17-717

May 4, 1978.

The Director-General,  
Department of Mines & Energy,  
P.O. Box 151,  
EASTWOOD S.A. 5063.

Dear Sir,

EXPLORATION LICENCE NO. 392 "STUART CREEK"  
NOTIFICATION OF INTENTION TO SURRENDER

Exploration Licence No. 392 "Stuart Creek" was granted to this Company for a period of one (1) year from March 6, 1978, with an expenditure commitment of \$80 000.

We wish to give you advanced notification of our intention to formally surrender this area after approval to do so has been given by the Company's Board and the Board of MIM Holdings Limited. Meetings of both Boards have been scheduled towards the end of May, and we anticipate that it would be possible to forward the Surrender of Exploration Licence form to you early in June.

The area was originally applied for to permit the search for stratabound base metal and uranium mineralization in basal Adelaidean units. A recent re-interpretation of the regional magnetics in this area has indicated that any possible mineralization within E.L. 392 is unlikely to be within an acceptable depth for possible mining. As a consequence, we do not wish to continue with any exploration within the area bounded by E.L. 392.

Our Final Statement of Expenditure for the two month period ending May 4, 1978 is attached.

Yours faithfully,  
CARPENTARIA EXPLORATION COMPANY PTY. LTD.



Attach.

*A.W. Howe*

A.W. Howe  
Administration Manager

*Handwritten initials*

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CARPENTARIA EXPLORATION COMPANY PTY. LTD.

EXPLORATION LICENCE NO. 392 "STUART CREEK"

FINAL STATEMENT OF EXPENDITURE FOR 2 MONTHS ENDED MAY 4, 1978.

	\$	
Administration	137	
Equipment Charges	92	
Operating Labour	5 952	
Stores	200	
Transport	38	
Travelling Expenses	241	
	<hr/>	
<u>TOTAL EXPENDITURE</u>	6 660	<u>6 660</u>

*A.W. Howe*

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A.W. Howe  
Administration Manager

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*Carpentaria Exploration Company Pty. Ltd.*

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REGISTERED OFFICE: M.I.M. BUILDING, 160 ANN STREET, BRISBANE, QUEENSLAND

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AWH:CAS:17-717

June 13, 1978.

The Director-General,  
Department of Mines & Energy,  
P.O. Box 151,  
EASTWOOD S.A. 5063.

Dear Sir,

SUMMARY REPORT - EXPLORATION LICENCE NO. 392 "STUART CREEK"

Further to our letter of June 1, 1978, to which we attached a Form of Surrender for Exploration Licence No. 392 "Stuart Creek", we advise that a summary report on this area has now been completed by our exploration staff from Adelaide.

This summary report covers the interpretation work carried out during the brief period this exploration licence was in force.

Expenditure on this area totalled \$6 660, the final Statement of Expenditure being attached to our letter to you of May 4.

Yours faithfully,  
CARPENTARIA EXPLORATION COMPANY PTY. LTD.

A.W. Howe  
Administration Manager

Encl.



CARPENTARIA EXPLORATION COMPANY PTY. LTD.EXPLORATION LICENCE NO. 392 "STUART CREEK"SUMMARY REPORTTerms and Conditions

Exploration Licence No. 392 was granted to Carpentaria Exploration Company Pty. Ltd. on March 6, 1978, for a period of one (1) year. The licence covers an area of 2 458 km<sup>2</sup> and is located just to the south of Lake Eyre.

Schedule B of the licence requires that a minimum of \$80 000 should be spent on exploration activities in the area over the year.

Exploration

The Stuart Creek area was taken out to search for stratabound mineralisation in Adelaidean rocks overlapping onto a basement high, possibly represented by strong magnetic anomalies just to the west of the licence area. Also, the flat lying Brachina Formation in the west of the area was thought to be part of the Stuart Shelf environment west of the Torrens Fault.


Unfortunately, interpretation of the magnetic anomalies showed that they were deep (in excess of 1 000m); also the Torrens Fault has been shown to swing to the north-west in the south-western part of the Curdimurka 1 : 250 000 Sheet by a recut S.A.D.M.E. gravity survey. Thus the concept of a relatively shallow basement adjacent to the Torrens Fault has had to be abandoned. Consequently, the chances of mineralisation occurring within mineable depths are very low and the licence has been surrendered.

During the three months tenure of the licence, a field visit was made to the area after photo-interpretation of 1 : 90 000 black and white Department of Lands aerial photographs. More outcrop of the Brachina Formation, particularly just to the north-east of the new Stuarts Creek Homestead, was found than is shown on the provisional 1 : 250 000 geological sheet. Also fairly steeply dipping (45° to the south-west) Brachina Formation was found in the floor of the Lees Hill Dam approximately 25 km south of Stuarts Creek Homestead.

Interpretation of C.S.I.R.O. enhanced Landsat imagery has also been carried out. No strong lineaments were observed in the western part of the area.

Expenditure

The final Statement of Expenditure was forwarded to you with our letter of May 4, 1978.

  
.....  
A.W. Howe  
Administration Manager