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EL 1371

SANDSTONE

PARTIAL SURRENDER REPORT FOR THE PERIOD 19/12/86 TO JULY 1987

Submitted by
Roebuck Resources NL
1987

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TENEMENT: E.L. 1371.

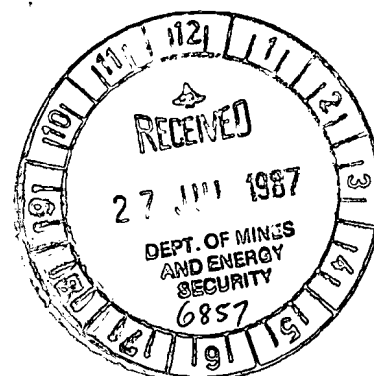
TENEMENT HOLDER: Roebuck Resources N.L. & Australian Clays Ltd.,

REPORT: E.L. 1371 (Part) Sandstone, S.A. Technical Report For Pgs. 3-7
Relinquished Area July 19987. Report No. 54.

PLANS: Partial Surrender Of Tenement E.L. 1371. Pg. 8

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ROEBUCK RESOURCES N.L.
EXPLORATION LICENCE 1371 (PART)
SANDSTONE, SOUTH AUSTRALIA
TECHNICAL REPORT FOR
RELINQUISHED AREA



OPEN FILE

TECHNICAL REPORT NO: 54
PERTH, JULY 1987

BY: S.B. WARNE

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1. INTRODUCTION

Exploration Licence 1371 was granted for one year to Roebuck Resources and Australian China Clays Ltd., on the 19th December, 1986. Activities completed during the first two quarters defined portions of the Garford Paleochannel in which palygorskite bearing clays of the Garford Formation have potential for commercial development.

The relinquished area covers the southwest portion with lesser potential and dune covered areas where Garford Formation clays are absent.

2. EXPLORATION

Garford Formation was intersected in four of six cored drill holes in the southwest of the area completed by the S.A. Department of Mines (Pitt et al., 1978). One hole (TPS6) in the centre of the paleochannel failed to intersect Garford Formation, passing directly from Quaternary cover into Pidinga Formation.

These results suggest the Garford Formation is irregularly preserved in this section of channel.

A reconnaissance of the area combined with past drilling results and an assessment of Garford Formation clays in the retained PB Lake - Jubilee Trig area downgraded its potential; no detailed sampling was completed.

Other portions of the relinquished area are dominantly sand covered with small exposures of silcrete and minor outcrops of Mulgathing Complex basement.

The boundaries of the Garford Paleochannel appear to closely align with the inferred boundary indicated by Department of Mines and Energy mapping (eg. as in Robertson, 1984). Any extension of the channel east of PB Lake and east of Aurora Tank is obscured by sand or other superficial cover.



for

S.B. WARNE

CONSULTING GEOLOGIST

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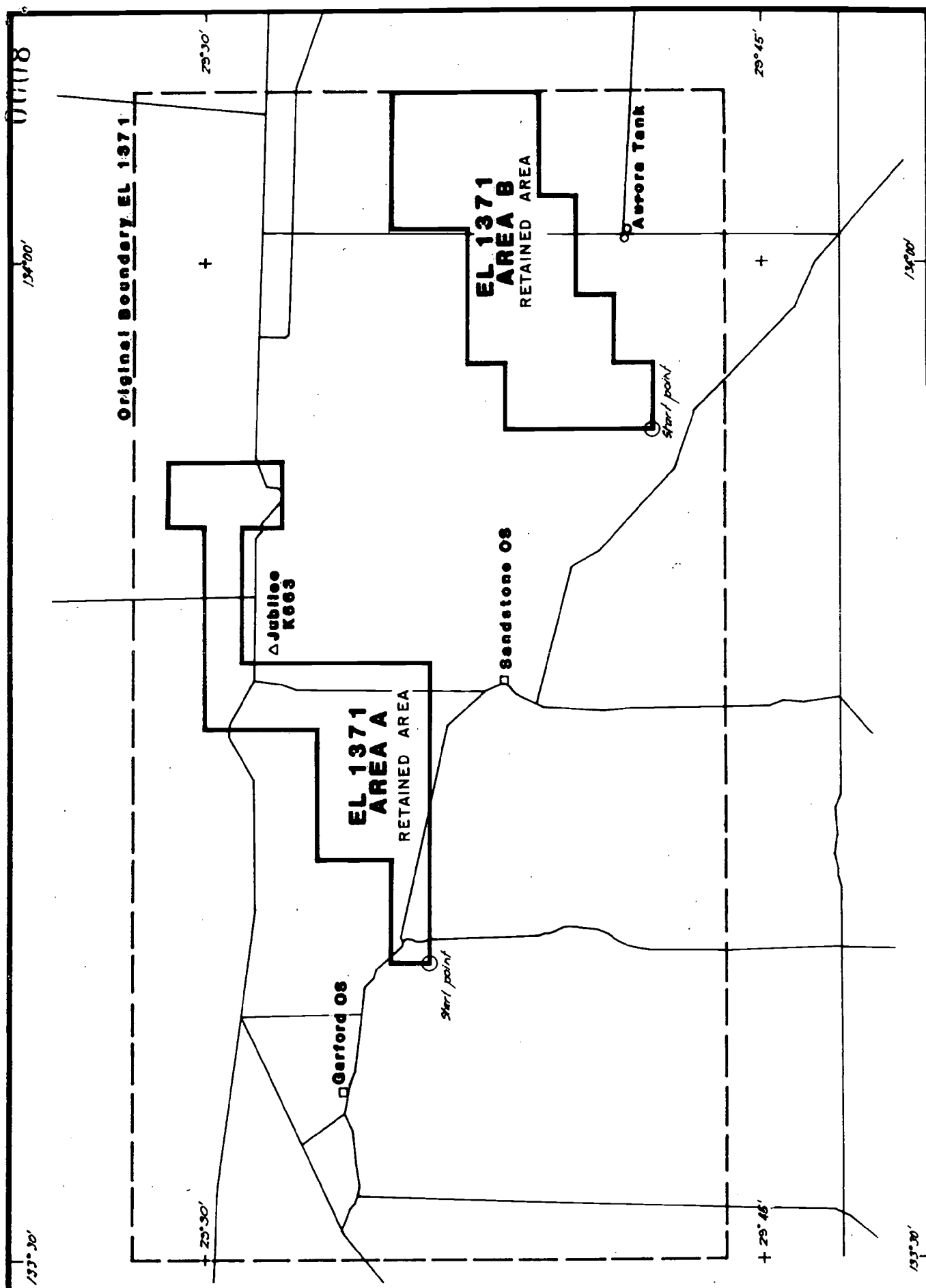
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ROEBUCK RESOURCES NL
Partial Surrender of Tenement
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