PARTIAL RELINQUISHMENT REPORT FOR
EXPLORATION LICENCE 26246
CURTIN SPRINGS EAST

HELD BY:
QUASAR RESOURCES PTY LTD
100%

Author: J Barnes
Date: 14 May 2012
Distribution: Quasar Resources Hard copy and Electronic (1)
DRDPIFR Electronic (1)

Submitted by: 
Accepted by: 

CR00559

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A. Gravity Data
Executive Summary

Quasar Resources Pty Ltd relinquished 50% of EL26246 on the 2 March 2012.

Work completed to date on the relinquished area includes;

- A ground gravity/GPS survey was carried out by Daishsat Geodetic Surveyors over EL 262646 Curtin Springs East. This survey was conducted under the Drilling and Geophysics Collaboration program Year 2, a component of the NTGS's "Bringing Forward Discovery" initiative. A total of 334 gravity stations over the relinquished area were collected at a nominal grid spacing of 1km. The survey commenced on 3 July 2009 and was completed on the 7 July 2009.
**Proponent Details**

The operator for the exploration licence is Quasar Resources Pty Ltd.

**Address**

Level 4  
25 Grenfell Street  
ADELAIDE SA 5000  
Phone: 08 8110 0531  
Fax: 08 8212 5559  
Email: joy.barnes@quasarresources.com.au

**Contact Person**

Joy Barnes – Executive Assistant/Tenement Manager
1. Location and Access
EL 26246 is situated on the Lake Amadeus SG5204 and Ayers Rock SG5208, 1:250,000 map sheets of Northern Territory. The tenement now covers 102 blocks approximately 312 km² and is located west of Erldunda and just north of the Lasseter Highway.

Access from Alice Springs is via the sealed Lasseter Highway and then within the tenement access is by formed gravel roads and pastoral station tracks. Quasar Resources Pty Ltd relinquished 50% of EL 26243 in March this year (Figure 1).

2. Tenement Details
QSR holds 100% interest in EL 26246, which was granted on the 23 March 2008. The land tenure of the licence is Perpetual Pastoral Lease and (see table below).

<table>
<thead>
<tr>
<th>NT Portion</th>
<th>Type No</th>
<th>Owner’s Name</th>
<th>Owner’s Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>03308</td>
<td>Estate in fee simple</td>
<td>Land Settlement Aboriginal Corporation</td>
<td>C/- CLC PO Box 3321 Alice Springs NT 0872</td>
</tr>
<tr>
<td>03309</td>
<td>Estate in fee simple</td>
<td>Land Settlement Aboriginal Corporation</td>
<td>C/- CLC PO Box 3321 Alice Springs NT 0872</td>
</tr>
<tr>
<td>00326</td>
<td>PPL 1092</td>
<td>Peter Armstrong Severin and Ashley Armstrong Severin</td>
<td>Curtin Springs Station via Alice Springs NT 0870</td>
</tr>
</tbody>
</table>

Table 1 Landholders over EL 26246 Curtin Springs East

3. Geology
Targeting the sandstone-hosted potential of the Palaeozoic clastic succession, including Devonian sandstones within the Amadeus Basin. This licence is located on an intrabasinal structural culmination in the southern part of the basin, and the exploration play is based largely on petroleum-style concepts.

There is potential for brine-basement interactions, and early Cambrian arkoses derived from the Musgrave Block during the Petermann Orogeny (Mt Currie Conglomerate, Multijulu Arkose, Arumbera Sandstone) are possible higher level uranium source rocks.

Seismic data suggests the potential for the focusing of deep basinal, saline and oxidative brines derived from a thick evaporate section of the Neoproterozoic Bitter Springs Formation into high level mixing zones and trapping with hydrocarbons. Such saline fluids are known to be effective in leaching and transporting uranium. (Heinrich et al., 1995)

4. Gravity Survey
A precision GPS-Gravity survey was conducted by Daishsat Geodetic Surveyors between 3 and 7 July 2009. A total of 334 stations were collected over the relinquished area at a nominal grid spacing of 1km x 1km. A full logistics report which details the acquisition methodology and data processing by Daishsat is included in Appendix A. A new gravity base station was established at Curtain Springs and is fully documented in the logistics report.
Figure 2 shows the location of the gravity stations collected for this survey in relation to the relinquished blocks on the exploration licence.

Final located gravity data in GDF format is included in Appendix A.

Stations were accessed using a Robinson R-44 Helicopter and Yamaha Rhino ATV’s. Gravity measurements were made using Scintrex CG-5 gravity meters. Position and level data was obtained using Leica 1230GG geodetic grade GPS receivers collecting GPS and GLONASS positional information operating in post-kinematic mode. Data was processed by Daishsat using standard reductions to the ISOGAL84 gravity network using Geosoft GRAVRED software.

5. Conclusions
The area being relinquished is considered to have either lower prospectivity for sediment-hosted uranium or is relatively inaccessible due to sand dunes.

Significant improvement in the gravity coverage of the area was achieved in 2009. The existing sub-standard data from 1993 along tracks at 1,000m intervals only covered the southern part of the tenement. Other data from 1962 are wide spaced at approximately 9km.

The new data shows greater detail of the folded and faulted Palaeozoic clastic succession of the Larapinta and Pertnjara group. A large gradient in the gravity data locates an intra-basinal thrust trending in a WNW – ESE orientation through the centre of the tenement. The detail of structures shown in this data is not seen in other gravity datasets. Future exploration will focus on these features tracked from their outcropping positions under cover using the new gravity data and existing magnetic data. Combined magnetic and gravity inversion of the data will aid in understanding the 3D nature of these structural features.

6. References
Figure 2

Project: EL 28246: Curtin Springs East
BOUGUER GRAVITY

Figure 2

Quasar Resources Pty Ltd
Level 4, 29 Grenfell Street
North Adelaide SA 5000 AUSTRALIA
ABN 17 101 227 070

NORTHERN TERRITORY

Scale: 1:200,000
MDA Zone 53, GDA 94

Date: 10.05.2012

B. Packer
J. Ross

0.000 mN
7 720 000 mN
7 720 000 mN
7 740 000 mE
7 750 000 mE
7 760 000 mE
7 770 000 mE
7 780 000 mE
7 790 000 mE

0 - 10 kilometres