EXPLORATION LICENCE 28321
MT TODD PROJECT
NORTHERN TERRITORY
AUSTRALIA

ANNUAL REPORT
FOR THE PERIOD ENDED
May 2\textsuperscript{nd}, 2012

Data presented in
\textit{GDA94 Datum}

Map sheet: Fergusson River 1:250 000 Sheet No. SD52-12

Target commodity: Limestone

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Submitted by:

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June 2012
EL 28321 is situated to the west of the Stuart Highway, 40 km due south of the town of Pine Creek. This annual report documents the work completed on the licence for the period from May 3rd, 2011 to May 2nd, 2012. EL 28321 is the most recent addition to the Vista Gold tenement package on the Mt Todd project, having been granted on May 3rd, 2011. The tenement consists of 63 graticular blocks, being 13km wide and 20km long with a total area of 198.3 square km. Vista Gold Australia Pty Ltd. is the operator and manager of the exploration work. Work on the project during the Reporting Year consisted of testing a limestone deposit in order to determine its suitability for quarrying to supply the Mt Todd minesite. This included diamond drilling (six holes for 360.4m).

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1. INTRODUCTION

The following report describes work completed on the Exploration Licence EL 28321 during the period May 3rd, 2011 to May 2nd, 2012.

These tenements are situated 40km due south of Pine Creek and 230km southeast of Darwin, Northern Territory. Access is gained via the Stuart Highway, with a western turnoff onto the access track to Two Rivers Station homestead. The tenements are on freehold land, being contained entirely within Two Rivers Station. Access is via graded station tracks.

EL 28321 is a new addition to the Mt Todd Project group of tenements. Vista Gold Corp. signed an agreement on 1 March 2006 with the Northern Territory Government, the Administrators of Pegasus Gold and the Jawoyn Association for the purchase of the Mt Todd Gold Mine. The purchase of the mineral leases was finalized on 15th June 2006.

The project area contains a significant occurrence of Tindall Limestone which is of potential interest to Vista Gold.

2. TENURE

Table 1 lists details of EL 28321 comprising a portion of the Mount Todd Project.

Table 1: Licence Details

<table>
<thead>
<tr>
<th>Tenement</th>
<th>Grant Date</th>
<th>Expiry Date</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL 28321</td>
<td>03-May-11</td>
<td>02-May-17</td>
<td>63 sub-blocks</td>
</tr>
</tbody>
</table>

2.1 TENURE HISTORY

EL28321 was applied for by Vist gold Australia on 20/Jan 2011 and Granted on the 03 May 2011. Vista Gold Australia is unaware of any other companies that may have held tenure over this parcel of land.
Figure 1: General Location

- Mount Todd Gold Project

Locations mentioned include:
- Darwin
- Nhulunbuy
- Arnhem Inlier
- Money Shoal Basin
- Arafura Basin
- McArthur Basin
- Carpentaria Basin
- Victorian-Birrindju Basin
- Horizon Basin
- Ashley Basin
- Tennant Creek Province
- Georgina Basin
Figure 2: EL Location Map
3. GEOLOGICAL FEATURES

The Limestone Hill lease area is situated at the boundary between the Pine Creek Orogen and the Daly Basin. The Pine Creek Orogen is represented by only one lithology within the EL, this being the Cullen Granite which outcrops in the north eastern corner of the EL and occupies approximately one third of its area. The majority of the south-western portion of the EL is covered by Quaternary sediments. A belt of Cambrian limestone and metasediments occurs in a belt between the Proterozoic Cullen Granite and the Quaternary sediments, which includes the Tindall Limestone, the Jinduckin Formation and the Buldiva Sandstone.

The Tindall Limestone outcrops prominently, forming a karst terrain with a cluster of distinct rocky hills being interspersed with numerous small sinkholes. The outcrop characteristics of the limestone suggest that it is of a high quality and it is for this reason that it is of potential interest to Vista Gold.
4. EXPLORATION COMPLETED IN YEAR 1

During Year 1, Vista Gold Australia has conducted a program of field reconnaissance and detailed mapping with diamond drilling in order test the quality and depth extent of the Tindall Limestone. The drilling was conducted over a small area adjacent to one of the more prominent limestone outcrops.

Most of the expenditure for the reporting year was incurred in the diamond drilling program, which consisted of six holes drilled in two lines of vertical holes drilled to a depth of 60 metres.

Table 2: List of drill holes completed during the reporting year.

<table>
<thead>
<tr>
<th>BHID</th>
<th>Easting (GDA94)</th>
<th>Northing (GDA94)</th>
<th>Elevation (m)</th>
<th>Azimuth (°)</th>
<th>Dip (°)</th>
<th>Depth (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL11-001</td>
<td>813950</td>
<td>8426350</td>
<td>150</td>
<td>180</td>
<td>90</td>
<td>59.8</td>
</tr>
<tr>
<td>LL11-002</td>
<td>813950</td>
<td>8426300</td>
<td>150</td>
<td>180</td>
<td>90</td>
<td>60</td>
</tr>
<tr>
<td>LL11-003</td>
<td>813950</td>
<td>8426250</td>
<td>150</td>
<td>180</td>
<td>90</td>
<td>60</td>
</tr>
<tr>
<td>LL11-004</td>
<td>814050</td>
<td>8426350</td>
<td>150</td>
<td>180</td>
<td>90</td>
<td>60.4</td>
</tr>
<tr>
<td>LL11-005</td>
<td>814050</td>
<td>8426300</td>
<td>150</td>
<td>180</td>
<td>90</td>
<td>60.2</td>
</tr>
<tr>
<td>LL11-006</td>
<td>814050</td>
<td>8426250</td>
<td>150</td>
<td>180</td>
<td>90</td>
<td>60</td>
</tr>
</tbody>
</table>

| Total (m) | 360.4 |

The holes were drilled using PQ coresize and all holes were drilled vertically to allow later fitment of piezometers. These were installed in holes LL11-001, LL11-004 and LL11-006 to provide data for groundwater flow modelling. To ensure no groundwater contamination occurred, the holes were drilled without additives and the three holes without piezometers were grouted to surface upon completion of the drilling.

The drillholes were logged with the assistance of Hcl to determine the reactivity of any CaCO3 present and assayed for CaCO3 (loss on ignition method) with base metals and other gangue elements included see datafiles. Generally, the zone of high-grade CaCO3 was easily identified in the core, see Figure 4 and following the return of all assays and test work, a 3D model was generated of the interpreted contacts and orientation of the Limestone unit. Figure 5
Figure 4 High Quality Limestone in core.

Figure 5 3D Diagram of the Unit
5. RECOMMENDATIONS

Preliminary results suggested that further drilling was needed to better define the high grade limestone unit which the first phase of drilling has partially defined, however this is not viable until further calculations of the economics of the proposed quarrying operation are carried out. Future work on the tenement will focus on identifying possible Uranium locations such as at Hore & O’connors and the Tennysons prospects to the immediate east of EL 28321.

6. EXPLORATION EXPENDITURE

The majority of expenditure incurred on EL 28321 during the reporting year was on the diamond drilling program.

Table 3: Year 1 Expenditure 2011/2012

<table>
<thead>
<tr>
<th>Exploration Licence</th>
<th>Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL 28321</td>
<td>$90,131</td>
</tr>
</tbody>
</table>

WORK PROGRAMME PROPOSED FOR 2012/2013

Proposed work will involve mapping and sampling of intrusives to investigate potential for uranium / gold mineralisation:

Table 4: Year 2 Proposed Expenditure 2012/2013

<table>
<thead>
<tr>
<th>Tenement</th>
<th>Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL 28321</td>
<td>$25,750</td>
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