Mechanised mining at 12 shaft

Investor visit
1 Dec 2004
SAFETY

Safety results

Safety results chart showing data from January to November with lines for Target, YTD, and Month.
### BUSINESS OVERVIEW

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#### Impala vs mechanised production

<table>
<thead>
<tr>
<th></th>
<th>FY2004</th>
<th>FY2005 – year to date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Impala</td>
<td>Conventional</td>
</tr>
<tr>
<td>Contribution to production</td>
<td>4%</td>
<td></td>
</tr>
<tr>
<td>Unit costs:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cost/tonne (R)</td>
<td>280</td>
<td>347</td>
</tr>
<tr>
<td>Cash cost/Pt oz (R)</td>
<td>4 023</td>
<td>4 000</td>
</tr>
<tr>
<td>Cash margin (excl cap.)</td>
<td>46%</td>
<td>48%</td>
</tr>
</tbody>
</table>
Five-year PGM profile: 12 Shaft

<table>
<thead>
<tr>
<th>Year</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>3796</td>
<td>5998</td>
<td>6767</td>
<td>7128</td>
<td>7117</td>
</tr>
</tbody>
</table>

Five-year tonnes profile: 12 and 14 Shafts

<table>
<thead>
<tr>
<th>Year</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>1,023,608</td>
<td>1,859,000</td>
<td>2,200,000</td>
<td>2,103,000</td>
<td>1,920,000</td>
</tr>
</tbody>
</table>

% of Impala: 8% 11% 14% 13% 12%
Schematic - 12 Shaft South Decline

No. 12 SHAFT

15 L.
16 L.
17 L.
18 L.
19 L.
20 L.
18

No. 12 Vent UC

South

19L-20L Silos

On-Reef Conveyor

Schematic - 12 North Shaft Decline

No. 12 Shaft

15 L.
16 L.
17 L.
18 L.
19 L.
20 L.
18

No. 12 North Shaft

North

Silos

On-Reef Conveyor
Bord-and-pillar mining layout
Mechanised equipment

Slinging of equipment down 12 Shaft
Narrow reef equipment

LP single-boom drill rig drilling a 12-metre bord

Narrow reef equipment

LP Load haul dumper (LHD) cleaning a 12-metre bord
Strike conveyor belt

Conveyor C4
Conveyor C3

Workshop
CLOSURE

Mechanised mining at 12 shaft

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