Form ACQ-1 (7-91)

LISA THIMMESCH
NOTARY PUBLIC
STATE OF KANSAS
My App. Exp. 2-28-95

K.C.C. OFFICE USE ONLY
F  Letter of Confidentiality Attached
C  Wireline Log Received
C  Geologist Report Received

Distribution

XXX

SPECIFY

Date Commission Expires
Operator Name: Ritchie Exploration, Inc.  Lease Name: Van Loenen-31B  Well #: 1
Sec. 31 Twp. 7 Rge. 21W  County: Graham

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

- Log  Formation (Top), Depth and Datums  Sample
  - Name  Top  Datum

Drill Stem Tests Taken
(Attach Additional Sheets.)
- Yes  X  No

Samples Sent to Geological Survey
- Yes  X  No

Cores Taken
- Yes  X  No

Electric Log Run
(Submit Copy.)
- Yes  X  No

List All E Logs Run:

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Casing Record
- New  X  Used

Report all strings set-conductor, surface, intermediate, production, etc.

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole Drilled</th>
<th>Size Casing Set (In O.D.)</th>
<th>Weight Lbs./Ft.</th>
<th>Setting Depth</th>
<th>Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
</table>

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Additional Cementing/Squeeze Record

<table>
<thead>
<tr>
<th>Purpose:</th>
<th>Depth Top</th>
<th>Bottom Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
</table>

- Perforate
- Protect Casing
- Plug Back To
- Plug Off Zone

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Perforation Record - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated

<table>
<thead>
<tr>
<th>Shots Per Foot</th>
<th>PERFORATION RECORD</th>
<th>Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>3388.5-90.5 (Toronto)</td>
<td>600 gallons 15% NE Toronto</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3580-3585'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3706.5-3710.5'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3694.5-3696.5'</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Tubing Record

<table>
<thead>
<tr>
<th>Size</th>
<th>Set At</th>
<th>Packer At</th>
<th>Liner Run</th>
<th>Yes  X  No</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 3/8&quot;</td>
<td>3518.16</td>
<td>3523.71</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date of First, Resumed Production, SWD or Inj.  Producing Method
9-30-94  Flowing  X  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours

<table>
<thead>
<tr>
<th>Oil Bbls.</th>
<th>Gas Mcf</th>
<th>Water Bbls.</th>
<th>Gas-Oil Ratio</th>
<th>Gravity</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.07</td>
<td></td>
<td></td>
<td>0.13</td>
<td></td>
</tr>
</tbody>
</table>

Disposition of Gas

- Vented  X  Sold  Used on Lease
  (If vented, submit ACO-18.)

- Open Hole  X  Perf.  Dually Comp.  Commingled
- Other (Specify)

Method of Completion

Production Interval