PACIFIC OIL & GAS PTY LIMITED

ALEXANDER NO. 1
EP 4, McARTHUR BASIN, N.T.

ONSHORE
WELL COMPLETION REPORT

AUTHOR: Caroline Barberis
        Ian Ledlie
DATE:     June, 1988

SUBMITTED BY: Ian Ledlie
ACCEPTED BY: Ann D. Fletcher
COPIES TO:  N.T. Mines Department
             CIS Canberra

CRAE Report No. 303530
LIST OF CONTENTS

LIST OF PLANS

WELL SUMMARY

SECTION 1 - ENGINEERING DATA

1.1 Engineering Summary
1.2 General Data
1.3 Drilling Rig
1.4 Hole sizes and Depths
1.5 Casing and Cementing Record
1.6 Mud Record
1.7 Water Supply
1.8 Bit and Deviation Record
1.9 Fishing Operations
1.10 Sidetracked Hole
1.11 Formation Testing
1.12 Time Analysis
1.13 Costs

SECTION 2 - GEOLOGICAL DATA

2.1 Geological Summary
2.2 Well Objectives
2.3 Performance vs Objectives
2.4 Stratigraphy
2.5 Mudlogging
2.6 Electrical Logging and Other Surveys
2.6.1 Log Interpretation
2.7 Bottom Hole Temperature
2.8 Formation Sampling
2.9 Petrology
2.10 Reservoir Potential
2.11 Hydrocarbon Shows
2.12 Geochemistry
2.12.1 Analyses
2.13 Geophysics
2.13.1 Core Gamma Ray
2.13.2 Magnetic Susceptibility
2.14 Contribution to Geological Concepts

SECTION 3 - LITHOLOGICAL DESCRIPTION
LIST OF ATTACHMENTS

TABLES

1. Deviation Survey Summary  
2. Time Analysis  
3. Actual versus Prognosed Formation Tops  
4. Stratigraphic Table

Page No.

4  
4  
5  
6

FIGURES

1. Locality Map  
2. Time/Depth Curve - Alexander-1  
3.a) Porosity  
b) Permeability Graph

Page No.

3  
4  
5  
5

APPENDICES

IA. Drilling Summaries  
IB. Drilling Summary - listing of events  
II. Mud/Consumable Summaries  
III. Geochemical Analyses (AMDEL)  
IV. Reservoir Analyses (AMDEL)

Page No.

17  
18  
19  
20

ENCLOSURES

1. Stratigraphic/Lithological log (CRAE)  
2. Wireline logs (BPB Instruments (Australia) Pty Ltd)  
3. Geochemical results (AMDEL)  
4. Gamma Ray  
5. Magnetic susceptibility  
6. Location on seismic line 83-168  
7. Time structure Map at Bessie Creek level

Page No.

21  
22  
23  
24-25  
26  
27  
28
1. LIST OF PLANS

<table>
<thead>
<tr>
<th>Plan No.</th>
<th>Title</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pet NTcw 245</td>
<td>EP4 N.T. Location 1987 Drillholes</td>
<td>1:1,000,000</td>
</tr>
<tr>
<td>Pet NTcw 648</td>
<td>Time-Depth Alexander-1</td>
<td></td>
</tr>
<tr>
<td>Pet NTcw 651</td>
<td>Plot of Porosity vs depth Alexander-1</td>
<td></td>
</tr>
<tr>
<td>Pet NTcw 653</td>
<td>Plot of Permeability Alexander-1</td>
<td></td>
</tr>
<tr>
<td>Pet NTcw 148</td>
<td>Stratigraphy-Roper Group</td>
<td></td>
</tr>
<tr>
<td>Pet NTcw 185</td>
<td>Stratigraphic/Lithological Log</td>
<td>1:1000</td>
</tr>
<tr>
<td>Pet NTcw 632</td>
<td>Alexander-1 Core Gamma Rays</td>
<td>1:500</td>
</tr>
<tr>
<td>Pet NTcw 631</td>
<td>Alexander-1 Magnetic Susceptibility</td>
<td>1:500</td>
</tr>
<tr>
<td>Pet NTcw 251</td>
<td>EP4 N.T. Amoco Seismic</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Line 83-168</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Location Alexander-1</td>
<td></td>
</tr>
</tbody>
</table>