

## INTRODUCTION

Organic geochemical analyses have been performed on sixty-four (64) canned cuttings samples and fifteen (15) washed and dried cuttings samples between 970m and 3000m in the Chat 1 well drilled by Bridge Oil Ltd., in T-15-P of the Bass Basin.

The purpose of this study has been to evaluate the thermal maturity and the hydrocarbon source potential of the sediments encountered in this well.

### Analytical

Upon arrival at Analabs, samples were assigned the Analabs job number 42859. Sixty-four (64) canned cuttings samples were then submitted to C<sub>1</sub>-C<sub>7</sub> headspace gas chromatography. Fifteen (15) washed and dried cuttings samples selected from intervals identified as shales on the electric logs were chosen for total organic carbon determination and Rock-Eval pyrolysis analysis. However, most of these samples contained large proportions of sand. Consequently, thirteen (13) were hand picked and the shaley/silty fraction analysed. Five unpicked cuttings samples from between 1740m and 2708m were sent to Professor Alan Cook for vitrinite reflectance measurement and coal maceral description.

The results of these analyses may be found in the following figures and tables:

<u>Type of Analysis</u>	<u>Figure</u>	<u>Table</u>
C <sub>1</sub> -C <sub>7</sub> headspace gas chromatography	1	1
% total organic carbon determination	2	2
Rock-Eval pyrolysis	2	2
Vitrinite reflectance/coal maceral descriptions	2,3	3
Lithological descriptions		4

A description of these analyses may be found in the Theory and Methods section located at the rear of this report.

### General Information

Copies of this report have been sent to Mr. C. Furr of Bridge Oil Ltd., Sydney. Any questions regarding this study may be directed to Steve Cadman of Analabs, located in Perth, Western Australia.

All data and interpretations contained herein are proprietary to Bridge Oil and are treated as highly confidential material by all Analabs personnel.