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BASS BASIN MARINE GEOCHEMICAL SURVEY FINAL REPORT
T/22P BASS BASIN, AUSTRALIA

SURVEY BY: TRANSGLOBAL EXPLORATION AND GEOSCIENCE, INC.
FEBRUARY 1989

D. REGAN

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LIST OF APPENDICES

1. Operations and Interpretation Report Geochemical Exploration Program
Bass Basin - Block T/22P
By: Transglobal Exploration and Geoscience, Inc.
February 1989 *REFER TPR OR-0184A*
2. Data Printout, Bass Basin Block T/22P *REFER TPR OR-0184B*
3. Maps of Measured Hydrocarbons, Bass Basin Block T/22P *REFER TPR OR-184C*

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INTRODUCTION

In February 1989, Transglobal Exploration and Geoscience, Inc. (TEG) of San Diego, California conducted a proprietary marine geochemical survey in the Bass Basin over license T/22P for the T/22P partnership. A total of 500 kilometers of survey were conducted consisting of 1,298 light hydrocarbon analyses.

RESULTS

Data for each of the light hydrocarbon analyses are provided in profile plot and crossplot format (Appendix 1), in printout format (Appendix 2) and map format (Appendix 3) in TEG's report. Anomalous hydrocarbons in the water column were not detected in any portion of the T/22P Bass Basin survey area, including over the Pelican structure. The measured hydrocarbon levels were consistent with normal marine background levels.

In addition to the results of the T/22P survey, included in TEG's report are crossplots of data from TEG's Gippsland Basin Survey (Appendix 1). These data are provided for comparison to the T/22P survey data. TEG conducted the Gippsland Basin Survey in February 1989 as a research exercise with the Bureau of Mineral Resources.

INTERPRETATION

The interpretation of the marine geochemical survey results in T/22P is that there are no significant hydrocarbon accumulations in the survey area, including at Pelican, as no significant leakage at the sea floor of any subsurface reservoir hydrocarbons in the survey area were detected. Due to the fact that TEG made daily calibration checks of their equipment and that significant anomalies were detected over the Gippsland Basin, the survey results are determined to be valid.