

SCINTREX

BRIEF COMMENTS ON METHOD
DOWN-HOLE IP & APPLIED POTENTIAL
SURVEYS
CONDUCTED FOR SHELL METALS
AT MOINA & BUCKBY PROSPECTS, NORTH TASMANIA

INTRODUCTION

At the request of Nigel Hungerford, Chief Geophysicist for Shell Metals, Scintrex Pty. Ltd., conducted a down-hole induced polarization survey and an around-hole applied potential survey on the Moina and Buckby prospects in Northern Tasmania.

The surveys were conducted under the supervision of Scintrex Geophysicist, Greg Street, MSc, DIC, assisted by Mr. R. Prydon and Shell Metals field assistants, over five and a quarter production days between 7th and 17th July, 1980.

EQUIPMENT

The energisation for down-hole induced polarization was effected by a Scintrex IPC 7.5 Watt time domain induced polarization transmitter, and for the applied potential, a Scintrex 2.5 Kw time domain induced polarization transmitter, powered by a Briggs and Stratton 3 HP motor generator. An 8 second cycle was used with 2 second pulse. The receiver used to monitor the primary (V_p /resistivity) and secondary (chargeability) field was a Scintrex IPR-8 induced polarization receiver.

Three slices under the decay curve were measured for the down-hole induced