

3 September 2002

Essential Petroleum Resources Ltd
Level 2
226 Albert Road
SOUTH MELBOURNE VIC 3205

Attention: Wally Westman

REPORT LQ11954

CLIENT REFERENCE: Letter of 15/8/02

WELL NAME/RE: Port Fairy #1

MATERIAL: Fluid

WORK REQUIRED: Extraction, qualitative gas chromatography & resistivity

AUTHOR'S NAME: Carmelina Valente

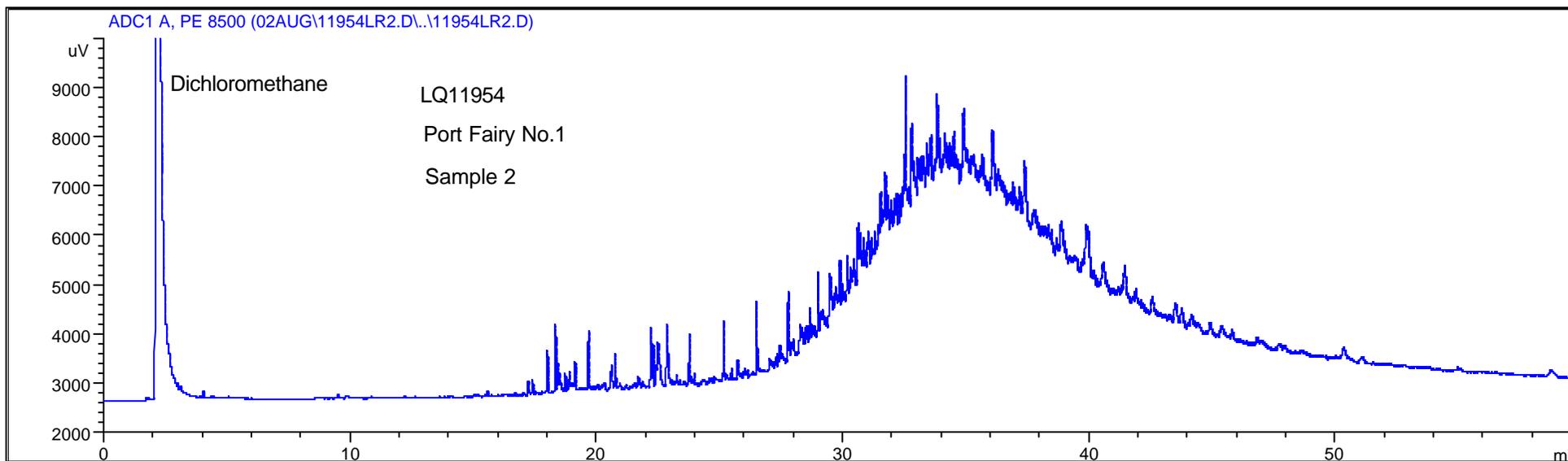
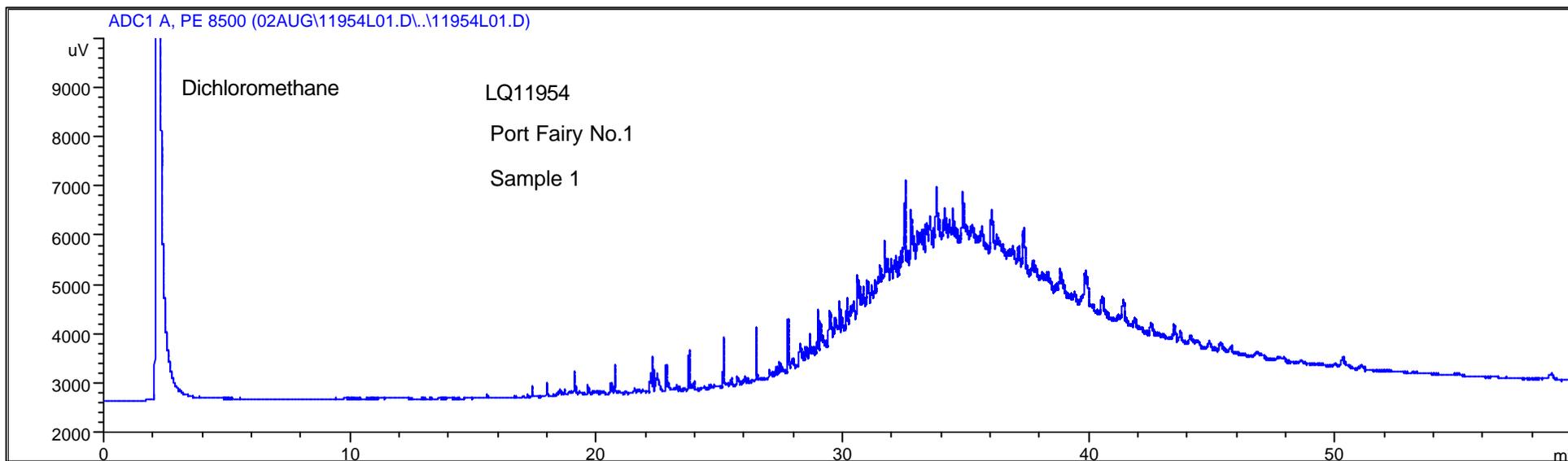
Please direct technical enquiries regarding this work, to the signatory below, under whose supervision the work was carried out. This report relates specifically to the sample or samples submitted for testing.

Diane Cass
Operations Manager
Petroleum Services

dc.cm

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1. INTRODUCTION

Amdel Limited received two liquid samples from Port Fairy No.1 for extraction, residual hydrocarbons and resistivity on 22 August 2002. This report is a formal presentation of results forwarded by facsimile on 28 August 2002.

2. PROCEDURE

The samples were extracted with dichloromethane and carefully dried down using a rotary evaporator.

The extracts were analysed on a Perkin Elmer 8500 Gas Chromatograph equipped with a capillary column, flame ionisation detector and nitrogen carrier gas.

3. RESULTS

The gas chromatograms are presented on the following pages.

SAMPLE ID	YIELD (mg/L)	RESISTIVITY ohm.M @ 25°C
Sample 1	5	1.81
Sample 2	3	1.78

The extracts appear to be medium to heavy boiling range hydrocarbon.

The naphthenic hydrocarbon fraction between 30 and 60 minutes (>400°C) appears to be a lubricating oil.