



**WSL Consultants™**  
Enviroscience



XI:18001

Your Ref: Reserve Pit Port Fairy No. 1

17 April 2002

Essential Petroleum Resource Limited  
Level 2, 226 Albert Road  
South Melbourne VIC 3205

Date Received: 5/04/2002

**RECEIVED**  
24 APR 2002

Attention: **Mr. Wally Westman**

BY: \_\_\_\_\_

### Certificate of Analysis

WSL Report Number: **443664**

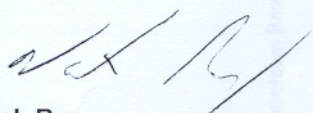
The sample(s) referred to in this report were analysed by the following methods:

Analyte(s)	Method
Alkalinity	APHA 2320 B
Chloride	APHA 4500-CL,B
Electrical Conductivity	APHA 2510B
Metals	WSL-032
OCs	WSL8000
PCBs	WSL8000
Resistivity ^^	APHA 2510 B
Sulphate	APHA 4500SO4E
TPH	WSL030

Analyte(s)	Method
Cations	WSL 023A
Cyanide	APHA 4120
Fluoride	WSL 077
Nitrate Nitrogen	APHA 4120
PAHs	WSL8000
pH	APHA 4500H,B
Silica	APHA 4500-SI,C
Total Phenolics	APHA 4120
Volatiles	WSL3810A

Results pertain to samples as received

Yours faithfully  
**WSL Consultants Pty Ltd**

  
**Nick Bray**  
Manager Of Chemistry



This Laboratory is accredited by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of accreditation. This document shall not be reproduced except in full.

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Email: wsl@wsl.com.au Web: www.wsl.com.au

^^ Accreditation No's 1201 & 1205  
Nata registration does not cover the performance of this test

A NATA Accredited Laboratory  
An Approved Quarantine Premises  
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Page 1 of 9







**Date : 18-Dec-2002**

**WSL Report No: 443664**

WSL JobNumber: 18001 Client: Essential Petroleum Resource Limited Job Reference: Reserve Pit Port Fairy No. 1

LAB NUM	Received	Sample	As	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Sn	Zn
443664	5-Apr-2002	PARTLY DEHYDRATED DRILLING MUD	19	<0.2	7	40	52	<0.05	<5	16	17	<5	<5	100



**Date : 18-Dec-2002**

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LAB NUM	Received	Sample	POTASSIUM	SODIUM	CALCIUM	MAGNESIUM	ALKALINITY as CaCO <sub>3</sub>	Bi- CARBONATE as CaCO <sub>3</sub>	CARBONATE as CaCO <sub>3</sub>	HYDROXIDE as CaCO <sub>3</sub>	CHLORIDE	SULPHATE
443665	5-Apr-2002	WATER SAMPLE FROM RESERVE PIT	310	930	32	24	450	450	<2	<2	1,500	55



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LAB NUM	Received	Sample	CONDUCTIVITY ( $\mu$ S/cm )	pH (pH Units)	NITRATE NITROGEN	SILICA	IRON	SOLUBLE IRON	RESISTIVITY (ohms-cm)
443665	5-Apr-2002	WATER SAMPLE FROM RESERVE PIT	5,700	7.3	0.02	31	3.6	0.94	180

A blank space indicates no test performed

Results expressed as mg/L where applicable

Page 4 of.. 9



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LAB NUM	Received	Sample	TPH C6-C9	TPH C10-C14	TPH C15-C28	TPH C29-C36	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	STYRENE	CUMENE	1 2 4-TRI- METHYL BENZENE	TOTAL PHENOLS	FLUORIDE	CYANIDE
443664	5-Apr-2002	PARTLY DEHYDRATED DRILLING MUD	58	31	300	170	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<5	<5



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LAB NUM	Received	Sample	NAP	ACY	ACE	FLU	PHE	ANT	FLA	PYR	BAA	CHR	BBF	BKF	BAP	DBA	BGP	IPY	TOTAL PAH
443664	5-Apr-2002	PARTLY DEHYDRATED DRILLING MUD	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1



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LAB NUM	Received	Sample	HCB	a-BHC	LINDANE	HEPTACHLOR	ALDRIN	b-BHC	d-BHC	HEPTACHLOR- EPOXIDE	DDE	DIELDRIN
443664	5-Apr-2002	PARTLY DEHYDRATED DRILLING MUD	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

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Page 7 of.. 9



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LAB NUM	Received	Sample	DDD	DDT	ENDRIN	METHOXYCHLOR	CHLORDANE	a-ENDO-SULPHAN	b-ENDO-SULPHAN	ENDOSULPHAN SULPHATE	ENDRIN ALDEHYDE
443664	5-Apr-2002	PARTLY DEHYDRATED DRILLING MUD	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05





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LAB NUM	Received	Sample	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	TOTAL PCBs
443664	5-Apr-2002	PARTLY DEHYDRATED DRILLING MUD	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1

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Page 9 of.. 9





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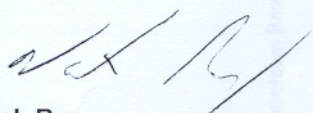
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