

APPENDIX 5

EAST MEREENIE NO. 10

FLUID ANALYSES

Gas Analysis: DST No. 1 4630 to 4714 feet (Amdel)

Oil Analysis: DST No. 1 4630 to 4714 feet (Amdel)

Water Analysis: DST No. 2 4966 to 5005 feet (Amdel)



**The Australian
Mineral Development
Laboratories**

Flemington Street, Frewville,
South Australia 5063
Phone Adelaide 79 1662
Telex AA 82520

Please address all
correspondence to
P.O. Box 114 Eastwood
SA 5063
In reply quote:

amdel

13th December, 1982.

F3/743/0
3051/83

Oilmin,
27-31 Turbot Street,
BRISBANE, QLD. 4000.

ATTENTION: Mr. D. Warner

REPORT F3051/83

YOUR REFERENCE:	Telex 22/11/82
MATERIAL:	Gas
IDENTIFICATION:	EAST MEREENIE NO. 10
DATE RECEIVED:	22/11/82
WORK REQUIRED:	R1/2

Investigation & Report by: Dr. B. Mooney & P. Marty

Chief - Fuel Section: Dr. Brian G. Steveson
Manager, Mineral & Materials Sciences Division: Dr. W.G. Spencer

for Norton Jackson
MANAGING DIRECTOR.

Pilot Plant: Osman Place
Thebarton S.A.,
Telephone 43 8053
Branch Laboratories:
Perth W.A.
Telephone 325 7311
Melbourne Vic.
Telephone 645 3093

AMDEL GAS ANALYSIS SERVICE

EAST MEREEENIE NO 10
DST NO 1
SAMPLE 2
70 PSI DATE 10/11/82

GAS	MOL %
OXYGEN PLUS ARGON	<.01
NITROGEN	2.75
CARBON DIOXIDE	.05
METHANE	80.50
ETHANE	9.30
PROPANE	3.40
I-BUTANE	.42
N-BUTANE	1.10
I-PENTANE	.42
N-PENTANE	.65
HEXANE	.81
HEPTANES	.47
OCTANES AND HIGHER	.13

CALCULATED GAS DENSITY
(AIR = 1): .724

CALORIFIC VALUE (15.6 DEG C, 760 MM HG):

GROSS: 1229 BTU/CU.FT (45.79 MJ/CU.M)
NETT: 1115 BTU/CU.FT (41.54 MJ/CU.M)



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amdel

24 November 1982

F3/743/0
2978/83

Oilmin N.L.
27-31 Turbot Street,
BRISBANE Qld 4000

Attention: Mr D. Warner

REPORT F2978/83

YOUR REFERENCE:	Telex 12/11/82
MATERIAL:	Oil
IDENTIFICATION:	EAST MEREENIE No.10
DATE RECEIVED:	18 November 1982
WORK REQUIRED:	R2/4, R2/9, R2/13

Investigation and Report by: Dr B. Mooney and P. Marty

Chief - Fuel Section: Dr Brian G. Steveson
Manager, Mineral and Materials Sciences Division: Dr William G. Spencer

for Norton Jackson
Managing Director

cah

Head Office:
Flemington Street, Frewville
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Telex: Amdel AA82520
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Osman Place
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Melbourne, Vic.
Telephone (03) 645 3093
Perth, W.A.
Telephone (09) 325 7311
Townsville
Queensland 4814
Telephone (077) 75 1377

JOB NO: 2978/83

CLIENT: Oilmin N.L.

Well tested: EAST MEREEENIE No.10

Date tested: -

Type of test: Drill stem test

Type of sample: Oil

Source of sample: DST No.1 4630-4714 ft

Field sampling conditions: -

Reference: Telex 12/11/82

RESULTS OF ANALYSIS

Boiling Point Range (°C)	Carbon Number	% by Weight
-88.6	C ₂	0.03
-42.1	C ₃	0.09
-11.7	i-C ₄	0.61
-0.5	n-C ₄	0.77
27.9	i-C ₅	1.05
36.1	n-C ₅	1.05
36.1-68.9	C ₆	10.55
80.0	Benzene	-
68.9-98.3	C ₇	16.80
100.9	Methyl Cyclohexane	2.60
110.6	Toluene	0.42
98.3-125.6	C ₈	15.30
136.1-144.4	Ethyl Benzene, Xylenes	1.15
125.6-150.6	C ₉	11.55
150.6-173.9	C ₁₀	9.25
173.9-196.1	C ₁₁	6.60
196.1-215.0	C ₁₂	4.40
215.0-235.0	C ₁₃	3.90
235.0-252.2	C ₁₄	2.75
252.2-270.6	C ₁₅	2.20
270.6-287.8	C ₁₆	1.80
287.8-302.8	C ₁₇	1.55
302.8-317.2	C ₁₈	1.15
317.2-330.0	C ₁₉	1.05
330.0-344.4	C ₂₀	0.63
344.4-357.2	C ₂₁	0.44
257.2-369.4	C ₂₂	0.31
369.4-380.0	C ₂₃	0.27
380.0-391.1	C ₂₄	0.28
391.1-401.7	C ₂₅	0.34
401.7-412.2	C ₂₆	0.29
412.2-422.2	C ₂₇	0.25
>422.2	C ₂₈ plus higher hydrocarbons	0.57

The above boiling point ranges refer to the normal paraffin hydrocarbon boiling in that range. Aromatics, branched hydrocarbons, naphthenes and olefins may have higher or lower carbon numbers but are grouped and reported according to their boiling point.

JOB NO: 2978/83

CLIENT: Oilmin N.L.

Sample: EAST MEREEENIE No.10 DST No.1

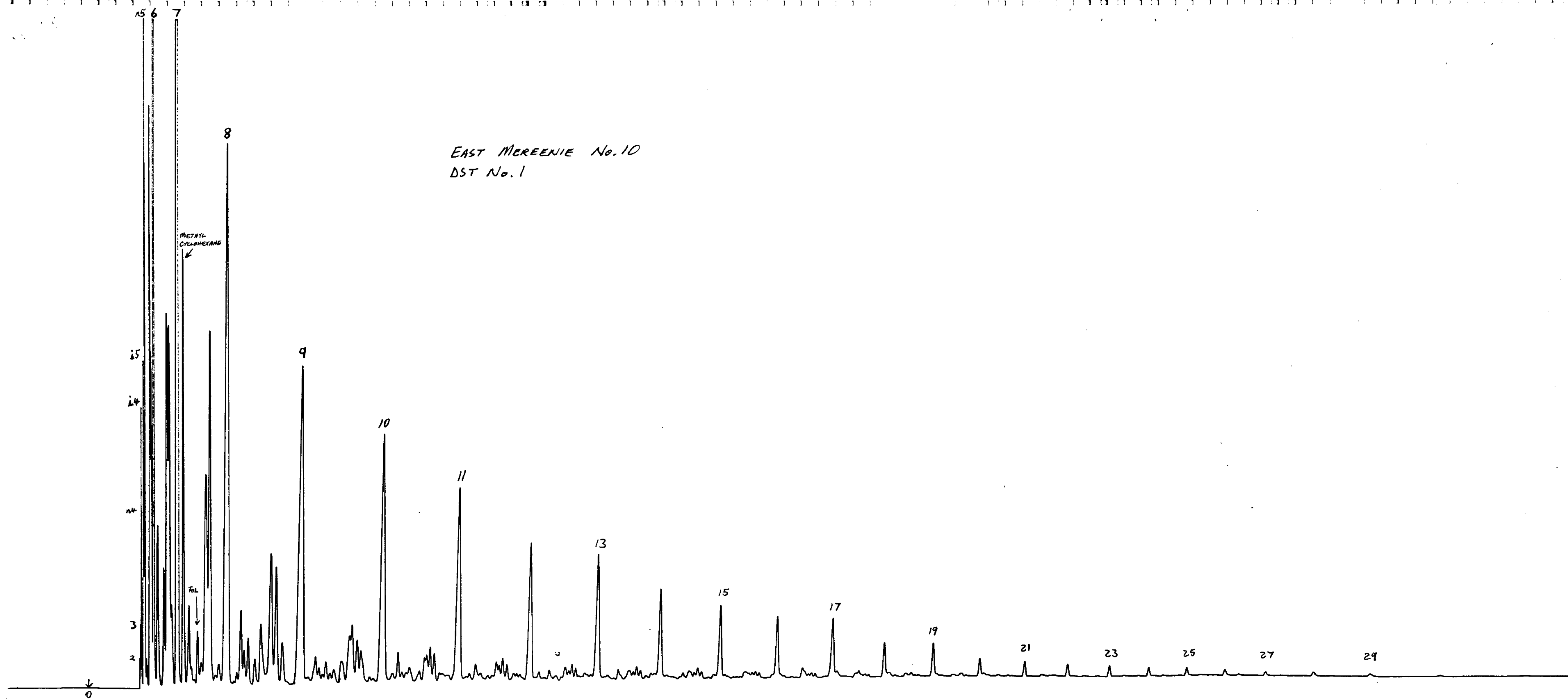
RESULTS OF ANALYSIS

Specific Gravity = 0.761 15.6°C

API Gravity = 54.4 15.6°C

Viscosity = 1.31 centistokes at 37.8°C

EAST MEREENIE No. 10
DST No. 1





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Telex AA 82520

Please address all
correspondence to
P.O. Box 114 Eastwood
SA 5063
In reply quote:

amdel

3/743/0 - AC 3106/83

30 November 1982

NATA CERTIFICATE

The Manager,
Oilmin NL,
P.O. Box 232,
NORTH QUAY, Qld. 4001

Attention: Mr. R. Groves

REPORT AC 3106/83

YOUR REFERENCE: Telex 24.11.82

IDENTIFICATION: As listed

DATE RECEIVED: 25 November 1982

D. K. Rowley
Manager
Analytical Chemistry Division

for Norton Jackson
Managing Director

cc The Manager,
Oilmin NL,
16 Kidman Street,
ALICE SPRINGS, N.T. 5756
Attention: Mr. H. Dodds

cjw

Pilot Plant: Osman Place
Thebarton S.A.,
Telephone 43 8053
Branch Laboratories:
Perth W.A.
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Melbourne Vic.
Telephone 645 3093



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WATER ANALYSIS REPORT

ANDEL COMPUTER SERVICES

SAMPLE ID. EAST MEREENIE #10 3106/83

CHEMICAL COMPOSITION				DERIVED AND OTHER DATA		REMARKS
		MILLIGRAMS PER LITRE MG/L	MILLIEQUIVS. PER LITRE ME/L	CONDUCTIVITY (E.C.) MICRO-S/CM AT 25 DEG. C		
CATIONS				TOTAL DISSOLVED SOLIDS	MILLIGRAMS PER LITRE MG/L	
CALCIUM	(CA)	29650.0	1479.5	A. BASED ON E.C.		DST #2
MAGNESIUM	(MG)	7550.0	620.9	B. CALCULATED (HCO3=CO3)	244994.	INTERVAL 4966 - 5005'
SODIUM	(NA)	48200.0	2096.7	C. RESIDUE ON EVAP. AT 180 DEG. C		FROM BETWEEN CDIP &
POTASSIUM	(K)	5160.0	132.0			HYDROSPRING
ANIONS				TOTAL HARDNESS AS CaCO3	105104.	
HYDROXIDE	(OH)	0.	0.0	CARBONATE HARDNESS AS CaCO3	4.	
CARBONATE	(CO3)	0.	0.0	NON-CARBONATE HARDNESS AS CaCO3	105100.	
BICARBONATE	(HCO3)	5.	0.1	TOTAL ALKALINITY AS CaCO3	4.	
SULPHATE	(SO4)	330.	6.9	FREE CARBON DIOXIDE (CO2)		
CHLORIDE	(CL)	154097.	4345.5	SUSPENDED SOLIDS		
NITRATE	(NO3)	< 4.	0.1	SILICA (SiO2)		
TOTALS AND BALANCE				BORON (B)		
					UNITS	
CATIONS (ME/L)		4329.1	DIFF = 23.4	REACTION - PH	4.9	
ANIONS (ME/L)		4352.6	SUM = 8681.7	TURBIDITY (JACKSON)		
DIFF*100				COLOUR (HAZEN)		
SUM		0.3 %		SODIUM TO TOTAL CATION RATIO (ME/L)	48.4 %	

NAME- OILMIN N L
ADDRESS-27 TURBOT ST
BRISBANEDATE COLLECTED 14/11/82
DATE RECEIVED 25/11/82HUNDRED-NOT SHOWN
SECTION-NOT SHOWN
HOLE NO-NOT SHOWN
SUPPLY- NOT SHOWN
SAMPLE COLLECTED BY-NOT SHOWNWATER CUT- NOT SHOWN
WATER LEVEL-NOT SHOWN
DEPTH HOLE- NOT SHOWN