SOUTH AUSTRALIAN OIL & GAS
CORPORATION PTY. LTD.

DC4/5550

SOUTH AUSTRALIAN OIL & GAS CORPORATION PTY. LTD.

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902537 002

Our Ref. 1.RBOO1.MUO2

SOUTH AUSTRALIAN OIL & GAS CORPORATION PTY. LTD. - COMSERV (779)

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ROBINVALE 1

25 OCT 1983

WELL COMPLETION REPORT

W825

PLEASE DO NOT TAKE APART.

Prepared by:

R.J. SUTTILL
SAOGC
July, 1983

IMPORTANT NOTICE

902537 003

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C O N T E N T S

WELL: ROBINVALE 1	WELL CATEGORY: Plugged & Abandoned

LAT: 34° 49' 13.44" S.
LONG: 142° 41' 04.16" E.
SEISMIC SP: 81-B4 (425)
ELEVATION GND: 74 m
KB: 78.6 m
MAP: MUCOO.2751
T.D. (LOG): 246.10 m
TD(DRLR): 245.67 m
PBTD: - m
RIG: ATCO-APM A3

PROSPECT TYPE:
Structural Drape

INTEREST HOLDERS:

SAOGC 30%
Comserv (779) 70%
Participating Interests:
SAOGC 100%

SPD: 28-6-83 RIG RELEASED: 1-7-83
COMPLETED:
STATUS: Plugged & Abandoned
TYPE COMPLETION: -
IP: -
INTERVAL: - 902537 005
ZONE(S): -

CASING SIZE	SHOE DEPTH	TYPE
7"	86.87m	23 lb J55 LT & C Range 3

AGE	FORMATION OR ZONE TOPS	DEPTH (m) DRLD	DEPTH (m) SUBSEA	THICKNESS (m)	(H)IGH/(L)OW(m)
Quaternary	Undifferentiated and Blanchetown Clay	4.63	+74.0	34.4	0
Pliocene	Parilla Sand	39.0	+39.6	51.0	4.4 (L)
Pliocene/Miocene	Bookpurnong Beds	90.0	-11.4	52.8	5.4 (L)
Miocene	Duddo Limestone	142.8	-64.2	30.2	48.2 (L)
Miocene	Winnambool Formation	173.0	-94.4	51.0	Not Prognosed
Cambrian	Kanmantoo Group	224.0	-145.4	22.1	206.6 (H)
	Total Depth	246.1	-167.5		

PERFORATIONS 4 SHOTS/m UNIT	INTERVAL

LOG	RUN	INTERVAL	BHT
BPB Logs:			
MCS	1	83.6m - 244.0m	36°C
CCS	1	Surface-246.1 m	
NS	1	Surface-245.0 m	
FE	1	86.5m - 244.0 m	
SP-RES	1	87.0m - 244.0 m	

CORES

FORM	NO.	INTERVAL	CUT	REC.
Kanmantoo	1	243.84m - 245.67m	1.83m	1.83m

LOG INTERPRETATION

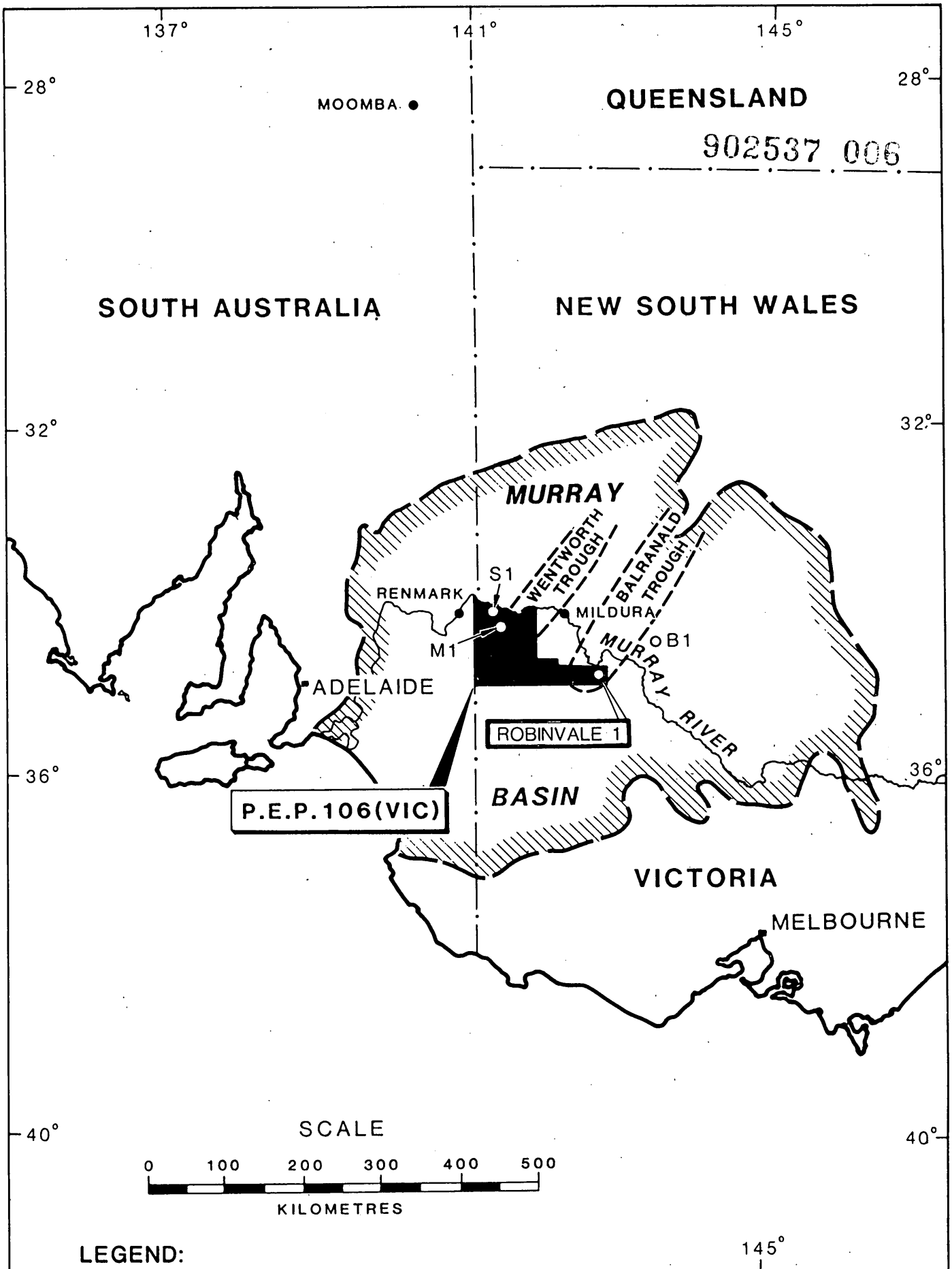
INTERVAL	Ø	Sw	INTERVAL	Ø	Sw	INTERVAL	Ø	Sw

FORMATION TESTS

NO.	INTERVAL	IO	ISI	FO	FSI	1st FLOW IP/FP	ISIP	2nd FLOW IP/FP	FSIP	TC	BC	REMARKS
						NONE						

ADDITIONAL INFORMATION :

PREPARED: 1-8-83
UPDATED:



SOUTH AUSTRALIAN OIL & GAS CORPORATION PTY.LTD.

ROBINVALE 1
LOCALITY MAP
P.E.P.106 VICTORIA

R.SUTTILL	JULY 83	RB001.2945
J.DUTK.	AS SHOWN	FIG.1

WELL HISTORY

1. GENERAL DATA

Interest Holders: SAOGC 30%

Comserv (779) 70%

Participating Interests: SAOGC 100%

Surveyed Location:

Latitude: 34° 49' 13.44" S (Subject to Survey)

Longitude: 142° 41' 04.16" E (Subject to Survey)

Surveyed Elevation:

Ground Level: +74m (Subject to Survey)

Kelly Bushing: +78.63m (Subject to Survey)

Seismic Reference:

81-B4 (425) Robinvale Seismic Survey 1981

Total Depth:

Driller: 245.67m

BPB: 246.10m

2. DRILLING SUMMARY (All depths are to Driller's K.B., unless shown otherwise)

Robinvale 1 was spudded at 1800 hours on the 28th June 1983. It was plugged and abandoned as a dry hole on the 1st July, 1983. A 8 3/4" (222.25mm) hole was drilled to 90m, this was then cased with 7 joints of 7" (177.80mm) 23bb J53, LT&C, Range 3 casing, with a shoe at 86.87m. Casing was cemented with 70 sacks Class A cement (slurry S.G. = 1.76).

A 6" (152.40mm) hole was drilled to 243.84m and Core 1 was cut from 243.84m to 245.67m with 1.83m (100%) being recovered. Total depth for the well was 245.67m.

Logs were run, then the well was plugged and abandoned with plugs set as shown in Appendix 4. The rig was released at 1530 hours on the 1st July 1983.

(a) Drilling Make-up Water

The make-up water for Robinvale 1 was obtained by tanker from the River Murray at Wemen approximately 9 kilometres from the well site.

(b) Mud Logging

Ditch cutting samples were collected at 9m intervals from the surface to 90m (surface casing point). From surface casing ditch cutting samples were collected at 3m intervals to a total depth of 245.67m. All samples were described and checked for fluorescence and visual porosity.

Source rock samples were taken at 50m intervals from surface to 245.67m (T.D.).

A Gearhart mud logging unit was used to monitor ditch gas from surface to 245.67m (T.D.). Total gas was recorded continuously using a Continental Laboratories 900 Series gas detector. Depth, rate of penetration and pump strokes were also monitored continuously.

(c) Testing

No drill stem tests were conducted in Robinvale 1.

(d) Coring

One core was cut in Robinvale 1.

Core 1: Kanmantoo Group 243.84m - 245.67m

(e) Electric Logging (B.P.B. depths)

Suite No. 1

MCS (Multichannel Sonic)	83.6m - 244.0m
CCS (Coal Combination Sonde)	Surface - 246.1m
NS (Neutron Sonde)	Surface - 245.0m
FE (Focussed Electric)	86.5m - 244.0m
SP-RES (Spontaneous Potential - Resistance)	87m - 245.0m

(f) Sidewall Cores

No sidewall coring programme was conducted in Robinvale 1.

(g) Temperature Controls

A bottom hole temperature (BHT) of 36°C at a depth of 246.1m was recorded prior to running the CCS logging tool. This BHT was recorded 4 hours after circulation was stopped. This gives a minimum BHT for the well of 36°C (96.8°F). As only one BHT is available it is not possible to calculate an extra-

polated BHT in the conventional way. Data from the other two wells drilled in this programme Mildura West 1 and Mildura West 2, are plotted on a depth-temperature plot (Appendix 3) which gives a minimum regional geothermal gradient of 4.5°C/100m (2.46°F/100 ft.) for this area.

(h) Deviation Surveys

Three deviation surveys were recorded, the first at 85m showed a 3/4° deviation, the second at 199m showed a 1/8° deviation and the third at 240m showed a 1/4° deviation from vertical.

(i) Velocity Survey

No Velocity Survey was conducted at Robinvale 1.

(j) Completion Details

Robinvale 1 was plugged and abandoned with two cement plugs. A 42 m plug was set across the casing shoe with 25 sacks of class A cement over the interval 66 m to 108 m. A 6 m surface plug was set at the surface using 2 sacks of class A cement. A steel cap inscribed with, the well name, the spud depth, total depth, and the plugged and abandoned date has been welded to the top of the casing. The rig was released at 1530 hours on 1st July 1983.

3. DRILLING DATA

Date drilling commenced: 28/6/83 @ 1800 hrs

Date drilling completed: 30/6/83 @ 2130 hrs

Date rig released: 1/7/83 @ 1530 hrs

Total rig time: 2 days 21.5 hrs

Contractor: ATCO-APM Drilling Pty. Ltd.

Rig: Trailer Mounted Franks Cabot Drilling Rig (Rig No. A3) Mounted on a 12' wide x 47' long Goose Neck Trailer, with a 24" Fabricated Channel Beam. Tandem Rear Axles: 16 - 11R 22.5 Radial Tyres Hydraulic support legs: Four Locknut Feature Carrier is complete with 1/8" Steel Plated Deck, 2' x 8' long Folding type Walkways on each side, Handrails and Stairways to ground level. Dog House and Generator Set are mounted on Trailer.

Tag Axle:

1 - 45,000lb rated Tandem Axle Booster with
8 - 11R 16.5 Tyres to offset overload weight on Rig Carrier during highway moves.

Drawworks:

Franks Cabot, Model 1287-TD Single Drum Drawworks

Main Drum Barrel Dia.	: 18 7/8" x 34" 1" Grooving
Brake Rim Dia./Width	: 42" x 12
Drum Clutch	: 24" - 2 Plate
Jackshaft Clutches	: 18" - 2 Plate
Drum Shaft Diameter	: 6"
Main Drum Drive Chain	: 1 1/4" - T
Jackshaft Drive Chain	: 1 1/4" - DBL

Hydromatic : 22" SR Parmac

Drawworks Motor:

G.E. Series SGE-76101 Electric Motor, complete with Blower driven by a 5 h.p. Electric Motor.

Hydraulic System:

1 - 1/4" x 2" Hydraulic Pump, driven by a 50 h.p. Electric Motor, 575 volts, ID# 9002764-049, connected to a 270 gallon Fluid Reservoir.

S.C.R. System:

Manufactured by Integrated Power Systems Corporation.

Ratings:	Input Voltage	:	600 VAC 30-3W
	Output Voltage	:	0-750 VDC
	Input Current	:	600 ADC Cont.
			1250 ADC Int.

Generators A.C.:

Rig Light Plant:

Stamford Generator, 37.5 K.V.A., Type AC-244D, powered by a Chrysler Nissan Six Cylinder Diesel Engine.

Generator Nos. 1 and 2

E.M. Bemac Brushless Generator, S.N: 178235231

500 K.V.A., 400 KW, 600 Volts, Powered by a Caterpillar Model D-353E Diesel Engine.

Table Rotary Machine:

Ideco Model C-175 Rotary Table

Size: 17.5" x 44" complete with Split Master Bushings.

Substructure:

Two Section Box Style Substructure

Top Section	:	11'W x 11'L x 9' High (BOP RACK)
Pony Sub	:	11'W x 11'L x 3'8" High

Overall Size : 11'W x 11'L x 12'8" High

Top Floor Section Accommodates Rotary Table and Racking Platform has 3'6" Fold-Out Walkways on each side, wide square tubing Handrails, V-Door Ramp and Stairs to Catwalk 3' Fold-Out Stabilizers on each side. Substructure is sheathed with 10 gauge steel panels and is pinned to the Rig Carrier.

Lighting:

Including: Mast Light String, Flood Lights, Building Lighting.

Mast:

96' Two Section Telescoping Type Mast, manufactured by Greco Steel Corp.

Raising/Lowering System: Two Double Acting, three stage, telescoping type Hydraulic Cylinders.

Top Section is raised with Bridle Line

Deadline Anchor: attached to Carrier

Crown Blocks:

Working Sheaves : 4 - 22" Dia. - 1" Grooving

Fastline Sheave : 1 - 32" Dia. - 1" Grooving

Blocks and Hook:

Sowa Hook-Block Assembly, 150 Ton Capacity, Model 3630-4, S/N: 3896-1 with 4 - 30" Sheaves, grooved for 1" Drilling Line.

Swivel:

Oilwell Model No. SA-150 Swivel, Job No. 2048

Kelly Spinner, Foster Model 77, S/N: 77-1-412 complete with 2 - 1" x 60' Long Hydraulic Hoses.

Kelly, Kelly Bushing, Kelly Cock and Stabbing Valve:

1- 4 1/4" x 40' long Kelly with 4 1/2" XH Pin and 6 5/8" Reg. Box.

1- Baash Ross 2RCS4 Kelly Bushings

1- Griffith Upper Kelly Cock, 5000 PSI, S/N: 5139 452U-33

1- Hydril Stabbing Valve with 4 1/2" XH Pin and Box

1- Grey Inside B.O.P. with 4 1/2'" XH Pin and Box

Pumps - Slush No. 1 and 2:

1 - TSM-500 Duplex Slush Pump,

Size: 7 1/2" x 16"

Maximum Pump Speed: 65 S.P.M.

Maximum Fluid End Test Pressure: 5000 PSI

No. 1 Pump Drive:

54" OD Sheave with 10 Grooves and Pressed on 6" diaShaft complete with 10 Groove "V" Belt Power Bands and Steel Guard.

No. 1 Pump Engine:

G.E. Electric Motor, Model 5-GE-761-J1,

No. 2 Pump Drive:

1 - Pump Drive Pedestal Assembly with 20" Clutch, Drum Spider, Rotor Seal and Mounted on Skid with D-353 Caterpillar Engine.

1 - 58" 8V 10 Groove Pump Sheave V-Hub

2 - 15'" 8V 10 Groove Drive Sheave X-Hub

2 - (5) 8V3150 "Vee" Belts

No. 2 Pump Engine:

Caterpillar Model D-353 Diesel Engine, 435 H.P.

Tanks - Mud and Mud System:

Single Tank Mud System, 265 BBL Capacity.

One Tank - 3 Compartment Mud System with Sand Trap.

Low pressure Mud System with 3 Subsurface Guns.

2 - Grey Agitators Model 72-0-5, powered by 2 - 5 H.P. Electric Motors, Starozik Single Screen Shale Shaker Model SC-145, powered by a 5 H.P. Electric Motor.

1 - 2" x 3" Poor Boy Degasser

1 - 4" x 2" Standard Mud Mix Hopper

1 - 3 Cone Desander complete with 6" square Header Manifold and underflow Trough.

1 - B.J. Hughes 4" x 6" Centrifugal Pump model 112-6CW, powered by 75 H.P. Electric Motor, 575 Volts.
All connected to Mud System with 1 - 4"
1 - 6" and 1 - 8" Demco Butterfly Valves.

Blowout and Well Control Equipment:

1 - Shaffer "Annular" Blowout Preventer
3000 PSI, Assembly No. 5820
Trim : Internal H_2S
Top Connection : Studded
Btm Connection : Flanged
Bore Size : 11"

1 - Cameron 3000 PSI Double Gate Blowout Preventer,
Type "SS", No. 165
Bore Size : 11"
Top & Bottom
Connections : Studded
Outlets : 2 - 3" 3000 PSI Flanged
Extra Rams to Fit : 2 3/8", 2 7/8", 5 1/2" and 7"

Hydraulic Fluid Accumulator:

1 - Wagner Model 5-80-1BN Hydraulic Fluid

Accumulator Unit Four Station Control Manifold with 4 - 20 gallon Bladder type Accumulator Bottles, Hydraulic Pump Powered by a 5 H.P. Electric Motor.

2 - 220 Cu. Ft. Nitrogen Bottle Back-up System

2 - CPW 3000 and 5000 LB. Hydro Poise Read-Out Gauges, A-B On/Off Switch Panel.

System is complete with Remote Control Panel, mounted in Dog House.

Compressor - Air, Auxiliary:

Dresser Model 660-A Air Compressor

Belt driven by a C.G.E. 15 H.P. Electric Motor Model IF5295H, A-B Switch and Mounted on 24" dia x 66" long Air Receiver (Situated on Gooseneck of Rig Carrier)

B.O.P. Spools and Valves:

Including:

1 - 900 Series 10" Adapter Spool with 2 - 3" Flanged Outlets

1 - 3" 3000 PSI McEvoy Gate Valve with Otis Actuator

2 - 3" McEvoy 3000 PSI Gate Valves

2 - 3" 3000 PSI National Ball Valves

1 - 3" 3000 PSI Check Valve

Well Control Manifold:

McEvoy 3" x 2" Well Control Manifold consisting of:

8 - 2" 3000 LB Flanged McEvoy Gate Valves

2 - 3" 3000 LB Flanged McEvoy Gate Valves

2 - 2" Three Way Block Connectors

2 - 3"x3"x2"x2" Four Way Block Connectors

2 - Willis Multi-Orifice Chokes

1 - CPW, 21 MPA Pressure Gauge

1 - Marsh 20,000 LB Gauge complete with 100' 1/2" Hydraulic Hose.

Drilling Line:

2500' Wrights 1" Steel Drilling Line.

Drill Pipe:

58 - Joints (Approx 1815') 4 1/2" 16.60# Grade "E" Range 2 Armco seamless Drill Pipe W/ 6 1/4" ID 18 Deg. Reed 4 1/4" XH Tool Joints. Drill Pipe is complete with Hardfacing, Series 200 inspected and internally coated with PA-200.

137- Joints (approx 4288') 4 1/2" 16.60# Grade "E" Range 2 Armco Seamless Drill Pipe W/ 6 1/4" ID 18 Deg. Reed 4 1/2" XH Tool Joints. Drill Pipe is complete with Hardfacing, Series 200 inspected and internally coated with PA-2000.

10 - Joints 4 1/2" XH Heavi-Wate Drill Pipe Range 2 with 4 1/2" XH Box to Pin complete ID Tube cote and Hardfacing premium No. 1.

Drill Collars:

14 - 6 1/4" OD Drill Collars, Zip Lift, Hardbanded with 4 1/2" XH Connections.

Tongs - Rotary and Power Tongs:

1 - Set Web Wilson Type "B" Tongs with 4 1/4" - 6 3/4" Jaws.

2 - 13 3/8" Farr Model LW-13375 Hi-Torque Power Tongs, complete with 5 1/2", 7" and 9 5/8" Jaws, Torque Gauge and Single Hanger Assembly. Hydraulic Power Unit, driven by a Lister Four Cylinder

Diesel Engine.

Elevators and Links:

1 - Set 1 3/4" x 72" B.J. Ruffneck Links.

1 - 4 1/2" B.J. Type "MAA" Centre Latch Elevators.

1 - 4 1/2" W.W. 18 Degree Type T-100 Centre Latch Elevators

1 - 7" W.W. Single Joint Pick-up Elevators with 5 1/2" Bushing.

1 - 7" Side Door Casing Elevators

1 - 10 3/4" W.W. H-150 Casing Elevators with 8 5/8" and 9 5/8" Bushings.

1 - 5 1/2" W.W. Type H-150 Casing Elevators

1 - 9 5/8" Single Joint Pick-up Elevators with 8 5/8" Insert.

Slips, Spider and Safety Clamps:

1 - 4 1/2" DU Reg. Baash Ross Slips

1 - 5 1/2" - 7" Baash Ross Type "C" Drill Collars Slips

1 - Baash Ross Type "C" 5" - 7" Safety Clamp complete with Wrench and Box.

1 - Varco "CMSCL" Multi Segment 10 3/4" Casing Slips

1 - 4 1/2" DU Reg. Baash Ross Slips with 2 3/8", 2 7/8" and 3 1/2" Dies.

1 - 7" Baash Ross Type "UC" Casing Slips

Instrumentation:

1 - Cameron Type "C" Weight Indicator, 180,000 LB, S.N 78D5431

2 - 2" Gauges Int. Mud Gauges Type "D" (Standpipe).

1 - 2" Cameron Type "F" Pressure Gauge (Pump).

Tool House:

11' 6" wide x 30' long x 8'4" high Broken Panel Steel Construction.

Dog House:

Mounted on Rig Carrier - Size: 12'W x 12'L x 7' High.

Dog House Contents:

1 - Knowledge Box

2 - NRL Light Fixtures recessed into roof of building

Combination Building:

Accumulator Building/Change Room/Water Tank.

Accumulator Bldg. Size : 11'6"W x 13'8"L x 8'6"H

Change Room Size : 7' W x 10' L x 8'6"H

Water Tank Size : 11'6"W x 17'4"L x 8'6"H (300 BBLS)

Fuel Section : 4'6"W x 10' L x 8'6"H (approx 1800 galls)

Overall Size : 11'6"W x 41' L x 8'6"H

Combination Building:

S.C.R. Building/Generator Room/Fuel Tank

Trailer Mounted Combination Building complete with 16 - 11R 22.5 Radial Tyres

S.C.R. Building Size : 12'W x 7'6"L x 8'8" High

Generator Bldg. Size : 12'W x 20' L x 8'8" High

Fuel Tank Size : 12'L x 6'6"H x 45" Deep (approx 1800 galls)

Overall Trailer Size : 12'W x 38'L x 12'6" High

S.C.R. Building has 2 - 48" NRL Light Fixtures

Generator Building has 2 - NLR 48" Fluorescent Light Fixtures.

Pump House No. 1 & 2:

12'W x 30'L x 9'6" High with Peaked Roof.

3 - NRL Model 484 Fluorescent Light Fixtures.

Catwalk - Pipe Racks:

Trailer Mounted Catwalk 8' Wide x 40' Long Mounted on Tandem Axles with 8 - 10.00 x 20 Tyres, complete with 2 - 15' long fold-out Pipe Racks, constructed with 3 1/2" Pipe.

2 - Sets Pipe Racks built with 4" Square Tubing.

Miscellaneous Rig Up Parts:

Including:

Wireline, Manilla Rope, Snakeskin, Chain, Shackles, Clamps, Cable, Safety Hooks, Fuel, Oil, Gaskets and Grease.

1 - Lot of Piping, Valves and Fittings Required for Air, Fuel and Water Lines.

1 - Junk Rack 5'W x 8': x 2'H mounted on Skid with Steel Frame, expanded metal floor and sides.

1 - Baroid Mud Testing Equipment

1 - Combination Derrick Stand and Drilling Line Stand.

1 - Gavel Mud Saver Bucket complete with 4 1/2" End Seals.

1 - Chemical Mixing Barrel

1 - 52" Bug Blower with 3 HP explosion proof Electric Motor, 1800 RPM.

1 - Bell Nipple and Flow Line

6 - Assorted Bit Breakers

1 - 8 5/8" x 28' Long Mousehole

1 - 8 5/8" x 40' Long Rathole

Subs:

4 - Save Subs with 4 1/2" XH Pin and Box

2 - Bit Subs with 4 1/2" XH Box with 4 1/2" Reg. Box.

1 - Bell Sub with 4 1/2" Reg Box by 6 5/8" Reg Box.

1 - 7" Casing Cement Head

1 - Cementing Nubbin with 4 1/2" XH Pin

Pumps - Centrifugal:

Water Circulating:

1 - 2" x 2" Centrifugal Pump Driven by a 5 HP Lincoln Electric Motor.

Rig Wash Pump:

Magikist Model 32-C Triplex Pump driven by a 3 HP Brook Electric Motor, 230o460 volts Type "DP", S/N: X807080.

Fuel Transfer Pump:

1 - 1" x 1" Fuel Transfer Pump driven by a 3/4 HP Electric Motor.

Matting - Rig:

4 - 8' Wide x 20' Long x 8" High Rig Mats.

Winches:

Gearmatic Pullmaster Model H-10 Powered by a Commercial 1" x 1" Hydraulic Motor, Model D230-154-2, S/N: C39-647 complete with approx 300' - 1/2" Steel Cable.

1 - Wireline Survey Unit, powered by a Hydraulic Motor and complete with 7000' of .092 Wire Line.

Fishing Equipment:

1 - 8 1/8" OD Overshot with 4 1/2" FH Box Connection, complete with 4 3/8", 4 1/2", 5 3/4", 6", 6 1/8", 6 1/4" Basket Grapples and Mill Control Packers for each.

Swabbing Unit:

TSM Swabbing Unit consisting of IDECO H-25 Main Drum with 10,000' - 9/16" Sand Line Fawick Clutch. Kremco Right Angle Gear Box, 1 3/4" Single Drive Chain. Fuller Model T905-C 5 Speed Transmission and driven by a Detroit Diesel Engine Model 471, complete with 24 Volt Starter, Barber Rig Saver, Model 25-2191. Tu-Flo Air Compressor P.T.O. driven off engine with 10" dia. x 15" Long Air Receiver mounted on a 7'6" Wide x 15' Long Skid.

GEOLOGY

1. OBJECTIVES

Robinvale 1 was an exploration well designed to test the stratigraphy and the hydrocarbon potential of structurally high sediments onlapping the southern end of the Balranald Trough (Fig.1). The Robinvale structure is situated 75 kms west-southwest of Balranald 1 in the central Murray Basin (Fig 1). A further objective of the well was to gather source rock and maturity data for this part of the Murray Basin.

The Primary targets were the early Cretaceous Pyap Member and early Permian sediments if present. Secondary targets were the early Cretaceous Merreti and Coombool Members of the Monash Formation.

2. STRUCTURE

The Robinvale prospect lies at the southern end of the Balranald Trough. Structural closure is mapped at the 'Z' horizon (top of Cambrian) (Robinvale 1 Prospect Sheet, SAOGC Drawing Number MU000. 2751). There is also structural closure at the 'BT' horizon (base of Tertiary)(Robinvale 1 Prospect Sheet, SAOGC Drawing Number MU000 2751). The 'Z' horizon shows a broadly north-south trending structurally high closure. At this horizon the Robinvale 1 location is toward the northern flank of the structure. The configuration at the 'BT' horizon is slightly different with the culmination trending east-west (at right angles to the axis of the adjacent Balranald Trough).

3. RESULTS OF DRILLING

(a) Stratigraphy

The following stratigraphic section was intersected at Robinvale 1:

Age	Formation	Depth (K.B.) (metres)	Subsea Elev. (Subject to Survey)	Thickness (metres)
Quaternary	Undifferentiated and Blanchetown Clay	4.63	+ 74.0	34.4
Pliocene	Parilla Sand	39.0	+ 39.6	51.0
Pliocene/Miocene	Bookpurnong Beds	90.0	- 11.4	52.8
Miocene	Duddo Limestone	142.8	- 64.2	30.2
Miocene	Winnambool Formation	173.0	- 94.4	51.0
Cambrian	Kanmantoo Group	224.0	-145.4	22.1
Total Depth		**246.1**	**-167.5**	

UNDIFFERENTIATED AND BLANCHETOWN CLAY

(Recent)

Surface to 39m — SANDSTONE: two types; (A) Moderate red - orange, colourless coarse grained quartz, subrounded, occasionally subangular, moderate red-orange silty matrix, moderate-good visual porosity. (B) grey-orange, translucent, medium, occasionally coarse grained, subangular, occasionally subrounded, well sorted, clean, excellent visual porosity.

PARILLA SAND

(Pliocene)

39m - 90.0m SANDSTONE and CLAYSTONE interbeds with trace COAL. SANDSTONE: two types; (A) light brown-dark yellowish orange, coarse ground, subangular, occasionally subrounded, well sorted, abundant microcrystalline limonite with associated pyrite, good visual porosity, (B) colourless - light grey, coarse - very coarse, subangular- subrounded, well sorted, clean, trace pyrite, excellent visual porosity. CLAYSTONE: dark brown-grey-olive, soft, becoming firm with depth, slightly swelling - swelling. COAL: dark brown-black, firm, rounded, possibly reworked grains.

BOOKPURNONG BEDS

(Miocene to Pliocene)

90.0m - 142.8m SILTSTONE and CLAYSTONE interbeds with minor SANDSTONE and FOSSIL FRAGMENTS. SILTSTONE: light grey-creamish white, firm-hard, abundant lithic fragments of coal, mica, quartz, silica cement, occasional trace shell fragments, and microfossils becoming dark grey and pyritic with depth, also becoming slightly calcareous with depth. CLAYSTONE: dark olive green, soft, very sticky, swelling, pyritic, slightly calcareous. SANDSTONE: colourless, medium grained, subangular - subrounded, olive grey silty matrix, poor visual porosity, no fluorescence. FOSSIL FRAGMENTS: Bryozoa, gastropods, lamellibranchs.

DUDDO LIMESTONE

(Miocene)

142.8m - 173.0m MASSIVE LIMESTONE with MARL interbeds and FOSSIL FRAGMENTS. LIMESTONE: light grey-creamish white, firm to moderately hard, trace silt, trace reworked quartz, becomes microcrystalline with depth, sucrosic texture, trace glauconite, poor visual porosity. MARL: moderate green-brilliant green, firm occasionally soft, occasionally microcrystalline, calcareous, very silty in part, occasionally contains abundant clay matrix, grading to CLAYSTONE. FOSSIL FRAGMENTS: Echinoids, bryozoa, gastropods, corals, microfossils.

WINNAMBOOL FORMATION

(Miocene)

173.0m - 224.0m SILTSTONE with minor beds of SANDSTONE, MUDSTONE and PELLETAL LIMESTONE. SILTSTONE: 2 types: (a) light grey-greyish green, soft, occasionally moderately hard, crumbly, trace fine sand, pellets, interbedded with SANDSTONE. (b) light grey, occasionally dark greyish brown, firm occasionally soft, non calcareous, occasional reworked calcareous fragments, trace pyrite, associated fossil debris includes, pyritized; lamellibranchs, gastropods, crinoids, bryozoa. SANDSTONE: colourless, medium, occasionally coarse grained, subangular-subrounded, poor visual porosity, no fluorescence. MUDSTONE: white-

off white, soft, sticky, non calcareous, silty. PELLETAL LIMESTONE: grey-dark grey, moderately hard, occasionally firm, blocky in part.

KANMANTOO GROUP

(Cambrian)

224.0m - 246.1m (T.D.) PHYLLITE with minor METAQUARTZITE. PHYLLITE: light grey-green, moderately hard-hard, fissile, subvitreous lustre, chloritic, micaceous, occasional calcite and quartz veins. METAQUARTZITE: clear, very hard, recrystallized.

(Slate! Koon)

(b) Stratigraphic Prognosis

The table below summarises the prognosed and actual depths of the Formations predicted and intercepted.

Formation	Prognosed Depth (KB)	Actual Depth (KB)	Variations from Prognosis	Thickness	Variations from Prognosis
QUATERNARY					
Undifferentiated and Blanchetown Clay	4.63	4.63	0	34.4	+ 4.4
TERTIARY					
Parilla Sand	34.6	39.0	4.4(L)	51.0	+ 1.0
Bookpurnong Beds	84.6	90.0	5.4(L)	52.8	+ 32.8
Duddo Limestone	104.6	142.8	38.2(L)	30.2	- 60.8
Winnambool Formation	Not prognosed	173.0	Not prognosed	51.0	+ 51.0
CRETACEOUS					
Monash Formation					
Coombool Member	195.6	Absent	Absent	Absent	- 100.0
Merreti Member	295.6	Absent	Absent	Absent	- 75.0
Pyap Member	370.6	Absent	Absent	Absent	- 50.0
PERMIAN					
Early Permian	420.6	Absent	Absent	Absent	- 10.0
CAMBRIAN					
Kanmantoo Group	430.6	224.0	206.6(H)	22.1	
Total Depth	440.6	246.1	194.5(H)		

(All depths in metres)

The stratigraphic prognosis to the top of the Bookpurnong Beds was good with a maximum error of 5.4m. An unpredicted thickness of Bookpurnong Beds was encountered which resulted in the Duddo Limestone top being 48.2m low to prognosis. A thin sequence (30.2m) of Duddo Limestone was drilled

which then gave way to an unpredicted occurrence of the Winnambool Formation with a thickness of 51.0m. The Winnambool Formation is interpreted as the lateral, shallower water facies equivalent of the Duddo Limestone (Lawrence, 1975).

The base of Tertiary was intersected at 224.0m which is 28.4m lower than the prognosed depth. Beneath the Tertiary Winnambool Formation, no Cretaceous or early Permian section was intersected and the well drilled straight into economic basement represented by the Cambrian Kanmantoo Group at 224.0m which was 206.6m high to prognosis. The explanation of this large error, and the complete absence of Cretaceous and early Permian sediments, is that a multiple of the real 'Z' reflector was picked as the top of the Kanmantoo Group. The reflector originally picked to represent the base of Tertiary (BT) is actually the 'Z' reflector (Robinvale 1 Prospect Sheet, SAOGC Drawing Number MU000.2751).

(c) Hydrocarbons

A gas detector was in operation from the surface to total depth, 245.67m and all cutting samples were checked for fluorescence in ultra-violet light. One core was cut, but this was for basement identification and not for reservoir analysis.

Only a trace of gas was recorded in the section from the surface to the base of the Duddo Limestone. In the Bookpurnong Beds and Duddo Limestone connection gas was recorded in the range 1-4 units with a trip gas peak of 9.5 units.

In the Winnambool Formation gas values ranged from 0-0.8 units with small connection gas peaks.

In the Kanmantoo Group gas values quickly decline to zero.

No shows of fluorescence were recorded in any of the samples analysed. Also the primary target zones were not present in the section penetrated. Hence, no drill stem tests were conducted in this well.

4. CONCLUSIONS

Robinvale 1 was an exploration well designed to test the stratigraphy and structural closure at the southern end of the Balranald Trough. Primary targets were the sandstones of the Pyap Member, Monash Formation and of the early Permian with secondary targets in the Coombool and Merreti Members of the Monash Formation.

The stratigraphy encountered in Robinvale 1 was at

variance with that prognosed, with the result that all the target zones were absent from the well. Total depth was 246.1m (KB Logger) which occurred in Cambrian metasediments. The Cambrian section was encountered 206.6m high to prognosis. Another deviation from the prognosed stratigraphy was the presence of the Winnambool Formation underlying the Duddo Limestone and resting directly on basement.

No source rock studies of samples from Robinvale 1 were undertaken because of the absence of the source prone section.

No hydrocarbon shows were encountered in Robinvale 1 and no drill stem tests were run. The well was plugged and abandoned as a dry hole. No zones were suitable for completion as a water well.

References

Lawrence, C.R. Geology, hydrodynamics and hydrochemistry of the southern Murray Basin. Memoir 30, Geological Survey of Victoria, 359pp.

APPENDIX 1 : LITHOLOGICAL DESCRIPTIONS

In accordance with the Robinvale 1 Prospect Sheet and Drilling Programme, ditch cuttings were collected, washed, split, bagged and described at 9 metre intervals from surface to 90m. Sampling at 3 metre intervals then took place from 90m to 245.67m (Drillers T.D.) by Gearhart Pty. Ltd. (Geodata Division).

All lithological intervals and core intervals are quoted as drillers depths.

9-metre Sampling

Depth	%	Description
9	100	SANDSTONE: moderate red-orange, colourless, coarse grained quartz, subrounded, occasionally subangular, moderate red-orange silty matrix. Moderate-good visual porosity, no fluorescence.
18	100	SANDSTONE: grey-orange-translucent, medium occasionally coarse grained, subangular-subrounded, well sorted, clean. Excellent visual porosity, no fluorescence.
27	100	SANDSTONE: as above.
36	100	SANDSTONE: as above.
45	100	SANDSTONE: light brown-dark yellowish-orange, coarse grained, subangular, occasionally subrounded, well sorted, abundant microcrystalline limonite with pyrite associated, good visual porosity, no fluorescence.
54	60	SANDSTONE: as above.
	40	CLAYSTONE: dark brown, soft, swelling.
63	100	SANDSTONE: colourless-light grey, coarse-very coarse, subangular-subrounded, well sorted, clean, trace pyrite, excellent visual porosity, no fluorescence.
72	60	SANDSTONE: as above
	40	CLAYSTONE: greyish-olive, soft, slightly sticky, slightly swelling interbedded with COAL.
	TR	COAL: dark brown-black, crumbly, rounded possibly reworked grains.
81	50	SANDSTONE: as above
	50	CLAYSTONE: as above becoming light grey-greyish olive with depth, soft, slightly sticky.
90	70	SANDSTONE: as above
	30	CLAYSTONE: as above, becoming firm with depth.

3-metre Sampling

93	20	SANDSTONE: as above
	80	CLAYSTONE: as above
96	10	SANDSTONE: as above
	90	CLAYSTONE: as above
99	20	SANDSTONE: as above

Depth	%	Description
	80	CLAYSTONE: dark grey-dark greyish olive, soft, very sticky, swelling, silty, occasionally slightly sandy.
102	10	SANDSTONE: as above
	90	CLAYSTONE: as above
105	TR	SANDSTONE: as above
	80	CLAYSTONE: as above
	20	SILTSTONE: light grey-creamish white, firm-hard, abundant lithics; coal mica, quartz, silica cement.
	TR	FOSSIL FRAGMENTS: microfossils
108	10	SANDSTONE: as above
	70	CLAYSTONE: as above
	20	SILTSTONE: as above, lithics becoming slightly calcareous with depth.
	TR	FOSSIL FRAGMENTS: as above
111	10	SANDSTONE: as above
	50	CLAYSTONE: as above
	40	SILTSTONE: as above
114	TR	SANDSTONE: as above
	TR	CLAYSTONE: as above
	100	SILTSTONE: as above, trace pyrite, becoming dark grey, fewer lithics.
	TR	FOSSIL FRAGMENTS: Corals
117	TR	SANDSTONE: as above
	20	CLAYSTONE: as above
	80	SILTSTONE: as above
	TR	FOSSIL FRAGMENTS: as above
120	TR	SANDSTONE: as above
	TR	CLAYSTONE: as above
	100	SILTSTONE: as above
	TR	FOSSIL FRAGMENTS: as above
123	TR	SANDSTONE: as above

Depth	%	Description
	100	SILTSTONE: dark olive grey, soft, occasionally firm, poorly cemented, carbonaceous, trace pyrite, occasional trace calcite, trace shell fragments.
126	TR	SANDSTONE: colourless, medium grained, subangular-subrounded, olive grey, silty matrix.
	40	SILTSTONE: as above
	60	CLAYSTONE: dark olive green, soft, very sticky, non swelling, slightly calcareous, trace lithics, becoming less calcareous with depth.
129	TR	SANDSTONE: as above
	50	SILTSTONE: as above
	20	CLAYSTONE: as above
	30	FOSSIL FRAGMENTS: Bryozoa, gastropods, lamellibranchs, microfossils.
132	TR	SANDSTONE: as above
	50	SILTSTONE: as above
	30	CLAYSTONE: as above
	20	FOSSIL FRAGMENTS: as above
135	TR	SANDSTONE: as above
	10	SILTSTONE: as above
	60	CLAYSTONE: as above
	30	FOSSIL FRAGMENTS: as above
138	TR	SANDSTONE: as above
	30	SILTSTONE: as above
	50	CLAYSTONE: as above
	20	FOSSIL FRAGMENTS: as above
141	TR	SANDSTONE: as above
	50	SILTSTONE: dark brown, firm, occasionally soft, carbonaceous, pyritic.
	30	CLAYSTONE: as above becoming hygroclastic, pyritic.
	20	FOSSIL FRAGMENTS: Bryozoa, gastropods, lamellibranchs, microfossils.
144	TR	MARL: moderate green-brilliant green, firm, occasionally microcrystalline, calcitic, silty, very silty in part, occasional abundant clay matrix, grading to claystone.

Depth	%	Description
	30	SILTSTONE: as above
	70	CLAYSTONE: as above
	TR	FOSSIL FRAGMENTS: as above
147	10	MARL: as above
	20	SILTSTONE: as above
	70	CLAYSTONE: as above
	TR	FOSSIL FRAGMENTS: as above
150	20	MARL ONE: as above
	50	SILTSTONE: as above
	20	CLAYSTONE: as above
	10	FOSSIL FRAGMENTS: as above
	TR	LIMESTONE: light grey occasionally light greyish green, firm, silty, very silty in part, interbedded with and grading to Marl (described above).
153	10	MARL: as above
	60	SILTSTONE: as above
	10	CLAYSTONE: as above
	20	FOSSIL FRAGMENTS: echinoid spines, bryozoa, gastropods, corals, microfossils.
	TR	LIMESTONE: as above
156	TR	MARL: as above
	30	SILTSTONE: as above
	TR	CLAYSTONE: as above
	40	FOSSIL FRAGMENTS: as above
	30	LIMESTONE: light grey-cream white, firm moderately hard, trace silt, trace reworked siderite stained quartz, poor visual porosity no fluorescence.
159	TR	MARL: as above
	20	SILTSTONE: as above
	TR	CLAYSTONE: as above
	30	FOSSIL FRAGMENTS: as above

Depth	%	Description
	50	LIMESTONE: as above
162	TR	MARL: as above
	20	SILTSTONE: as above
	TR	CLAYSTONE: as above
	20	FOSSIL FRAGMENTS: as above
	60	LIMESTONE: light grey-creamish white as above, becoming microcrystalline, sucrosic, wackestone.
165	TR	MARL: as above
	10	SILTSTONE: as above
	TR	CLAYSTONE: as above
	20	FOSSIL FRAGMENTS: as above
	70	LIMESTONE: as above
168	TR	MARL: as above
	20	SILTSTONE: as above
	TR	CLAYSTONE: as above
	20	FOSSIL FRAGMENTS: as above
	60	LIMESTONE: as above with trace glauconite.
171	10	MARL: medium greyish green, soft, occasionally firm, crumbly, silty, occasional trace of crystalline calcite, grading to silty limestone, glauconitic, becoming very glauconitic with depth.
	30	SILTSTONE: as above
	TR	CLAYSTONE: as above
	30	FOSSIL FRAGMENTS: as above
	30	LIMESTONE: as above
174	20	MARL: as above
	40	SILTSTONE: moderate green, soft, crumbly, non calcareous, abundant lithics, coal, pyrite.
	TR	CLAYSTONE: as above
	30	FOSSIL FRAGMENTS: as above
	10	LIMESTONE: as above

Depth	%	Description
177	30	MARL: as above
	50	SILTSTONE: as above
	TR	CLAYSTONE: as above
	10	FOSSIL FRAGMENTS: as above
	10	LIMESTONE: as above
180	30	MARL: as above
	40	SILTSTONE: as above
	TR	CLAYSTONE: as above
	20	FOSSIL FRAGMENTS: as above
	10	LIMESTONE: as above
183	10	LIMESTONE: as above, light grey.
	70	SILTSTONE: as above
	10	MARL: as above, light green.
	10	FOSSIL FRAGMENTS: as above
	TR	SANDSTONE: as above
186	10	LIMESTONE: as above
	70	SILTSTONE: light grey-greyish green, soft, crumbly, trace fine sand, abundant lithics; pellets, siltstone, fine quartz, trace carbonate, interbedded with sandstone.
	10	MARL: as above
	10	FOSSIL FRAGMENTS: as above
	TR	SANDSTONE: colourless, medium occasionally coarse grained, subangular-subrounded, occasionally predominantly subangular, poor visual porosity, no fluorescence.
189	10	LIMESTONE: as above
	80	SILTSTONE: as above
	TR	MARL: as above
	10	FOSSIL FRAGMENTS: as above
	TR	SANDSTONE: as above
192	10	LIMESTONE: as above

Depth	%	Description
	80	SILTSTONE: as above
	TR	MARL: as above
	10	FOSSIL FRAGMENTS: as above
	TR	SANDSTONE: as above
195	TR	LIMESTONE: as above
	90	SILTSTONE: as above
	TR	MARL: as above
	10	FOSSIL FRAGMENTS: as above
198	TR	LIMESTONE: as above
	90	SILTSTONE: as above, very abundant lithics, pyrite, pyritic coal, fine sand, shell fragments.
	TR	MARL: as above
	10	FOSSIL FRAGMENTS: as above
	TR	SANDSTONE: as above
201	TR	LIMESTONE: as above
	90	SILTSTONE: as above
	TR	MARL: as above
	10	FOSSIL FRAGMENTS: as above
	TR	SANDSTONE: as above
204	10	LIMESTONE: as above
	90	SILTSTONE: light grey-greyish green, soft occasionally moderately hard, gritty, trace fine sand, pyritic grains, carbonaceous fragments, mixed lithics; trace limestone fragments, pyritized shell fragments, pyritized mudstone pellets (? coprolites) occasionally spherical, predominantly ellipsoidal dark brown-black, non calcareous, intermixed with siltstone.
	TR	MARL: as above
	TR	FOSSIL FRAGMENTS: as above
	TR	SANDSTONE: as above
207	10	LIMESTONE: as above
	90	SILTSTONE: as above

Depth	%	Description
	TR	MARL: as above
	TR	FOSSIL FRAGMENTS: as above
	TR	SANDSTONE: as above
210	TR	LIMESTONE: as above
	90	SILTSTONE: as above
	10	CLAYSTONE: as above
	TR	FOSSIL FRAGMENTS: as above
	TR	SANDSTONE: as above
213	20	MUDSTONE: white-off white, soft, silty, non calcareous, sticky, relatively clean.
	30	PELLETAL LIMESTONE: grey-dark grey, moderately hard-firm, blocky in part, pellets form up to 50% of limestone.
	40	SILTSTONE: as above with abundant pellets and pyrite fragments.
	TR	CLAYSTONE: as above
	10	FOSSIL FRAGMENTS: as above
	TR	SANDSTONE: as above
216	30	MUDSTONE: grey-dark grey, massive, hard to very hard, non calcareous, pelletal cavities/molds relatively common.
	TR	LIMESTONE: as above but pellets scarce to absent.
	50	SILTSTONE: as above becoming firmer, cleaner, less pellets.
	10	MARL: light grey, silty, pyritic, soft.
	TR	FOSSIL FRAGMENTS: as above
	10	SANDSTONE: very fine grained, yellow-off white, hard, well cemented, no visual porosity.
219	40	MUDSTONE: as above
	10	LIMESTONE: as above
	50	SILTSTONE: as above
	TR	MARL: as above
	TR	FOSSIL FRAGMENTS: as above
	TR	SANDSTONE: as above

Depth	%	Description
222	30	MUDSTONE: as above
	10	LIMESTONE: as above
	50	SILTSTONE: grey, occasionally brown, non calcareous, moderately firm, fine pyrite, hard in part.
	TR	MARL: as above
	10	FOSSIL FRAGMENTS: bivalves, gastropods crinoid stems, bryozoa.
225	TR	PHYLLITE: shiny, lustrous greyish green, flaky, micaceous, moderately hard to hard, fissile in part.
	10	MUDSTONE: as above
	TR	LIMESTONE: as above
	70	SILTSTONE: as above
	10	FOSSIL FRAGMENTS: as above
	10	SANDSTONE: as above
228	80	PHYLLITE AND METAQUARTZITE: PHYLLITE; shiny, lustrous, greyish green, flaky, micaceous, moderately hard to hard, fissile in part. METAQUARTZITE; clear, very hard, recrystallized, possible veins in phyllite.
	TR	LIMESTONE: as above
	20	SILTSTONE: as above
	TR	FOSSIL FRAGMENTS: as above
231	90	PHYLLITE AND METAQUARTZITE: as above
	TR	LIMESTONE: as above
	10	SILTSTONE: as above
	TR	FOSSIL FRAGMENTS: as above
234	100	PHYLLITE: as above, quartzite lacking.
237	100	PHYLLITE: as above
240	100	PHYLLITE: as above
243	100	PHYLLITE: as above

Core 1 243.84m - 245.67m (T.D.) See Core description

APPENDIX 2 : CORE DESCRIPTIONS

Core 1 **Kanmantoo Group**

243.84m - 245.67m (Driller)

243.84m - 245.67m (B.P.B.)

Cut 1.83m

Recovered 100%

SOUTH AUSTRALIAN OIL AND GAS CORPORATION

CORE DESCRIPTION

Date 30-6-83 | Page 1 of 1

Well Name Robinvale 1 | CORE No 1

Location : Lat 34°49'13.44"S

Long 142°41'04.16"E

Elevation G.L. +74m K.B. 78.63m

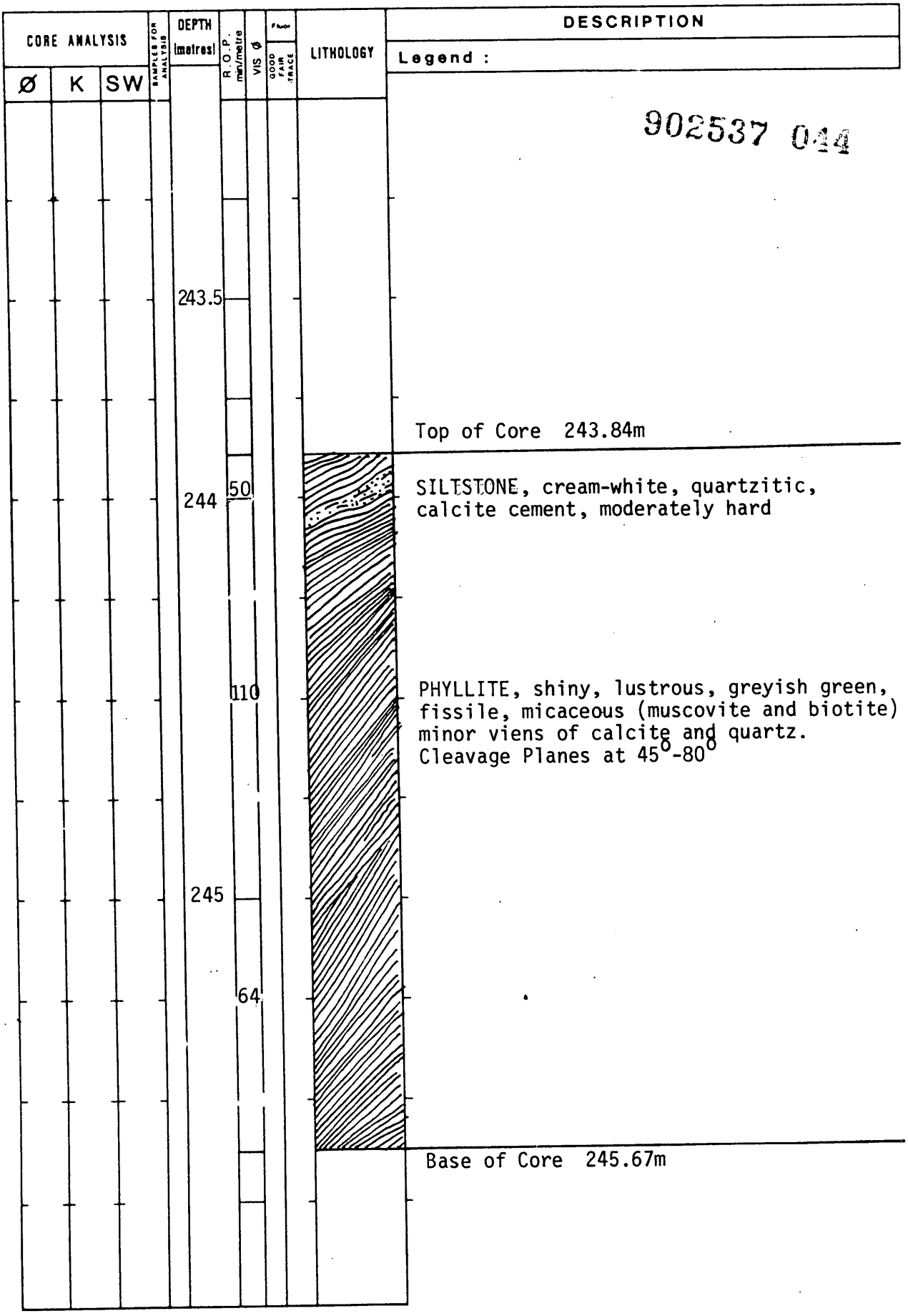
Geologist R.J. Suttill

Interval 243.84-245.67 Cut 1.83 m

Recovery 1.83 m 100 %

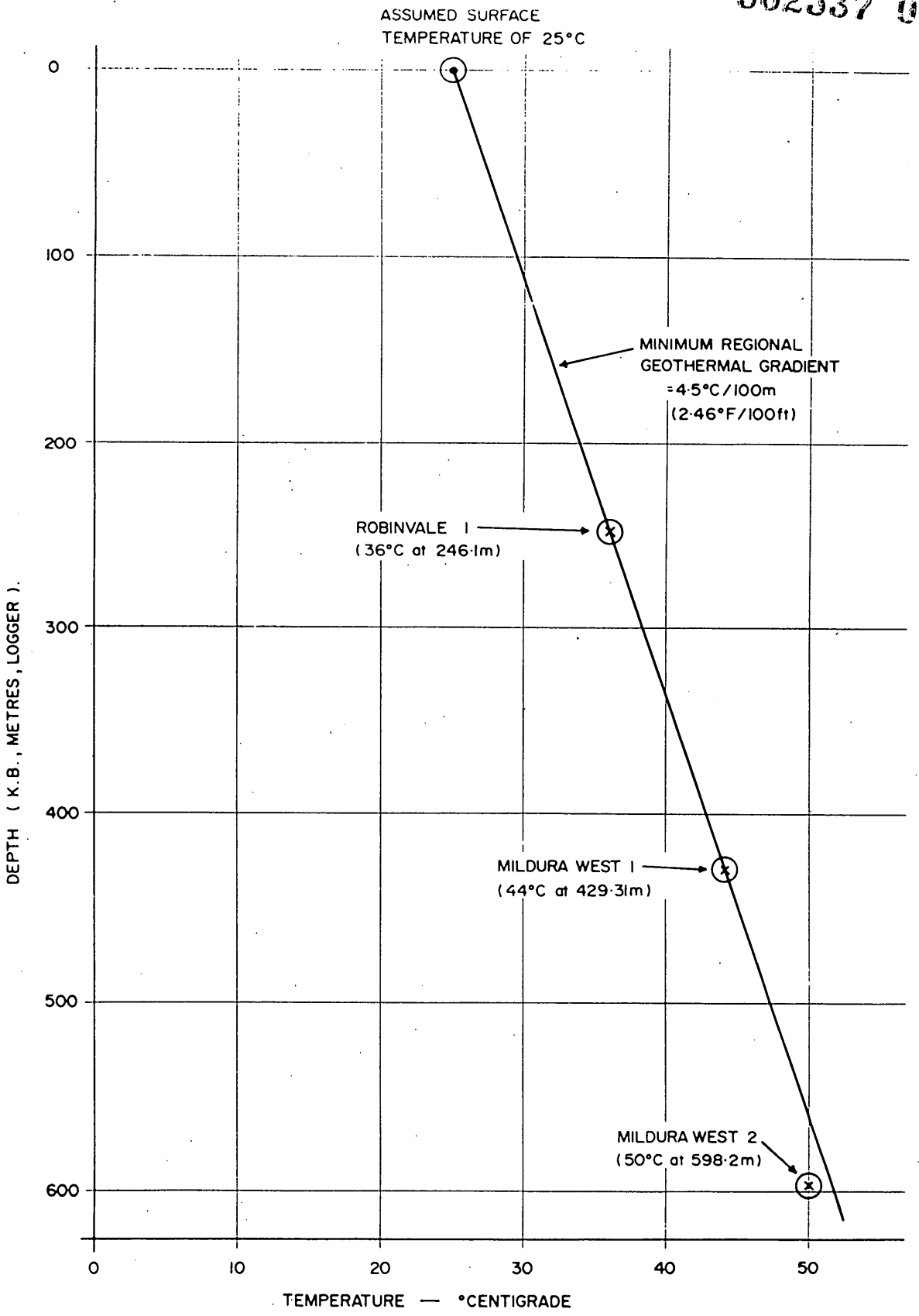
Formation Kanmantoo

Age Cambrian



APPENDIX 3 : DEPTH VS TEMPERATURE

902537 016



SOUTH AUSTRALIAN OIL & GAS CORP. PTY. LTD.

Mildura West 1 & 2, Robinvale 1

GEOTHERMAL GRADIENT

Interp. R.SUTTILL	Date JULY 83	MAW000.2939
Drawn. C.KAY	Scale AS SHOWN	FIG.2

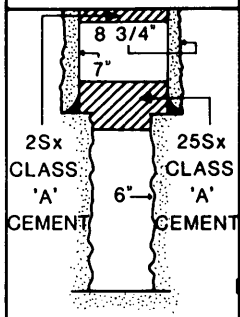
APPENDIX 4 : ACTUAL DEPTH-TIME CURVE

WELL: **ROBINVALE 1**
LATITUDE. 34° 49'13.44" S
LONGITUDE. 142° 41'04.16" E
S.P. 81-B4 (425)
ELEVATION. G.L. 74m K.B. 78.63m

ACTUAL DEPTH-TIME CURVE

CONTRACTOR. ATCO-APM
RIG No. A3
TYPE. FRANKS CABOT

WELL SECTION



T.D. 245.67m (driller)
246.10m (logger)

STRATIGRAPHY FORMATION	K.B.
UNDIFF.	39.0
PARILLA	90.0
BOOKPUR-NONG	142.8
DUDDO	173.0
WINNAM-BOOL	224.0
KANMANTOO	

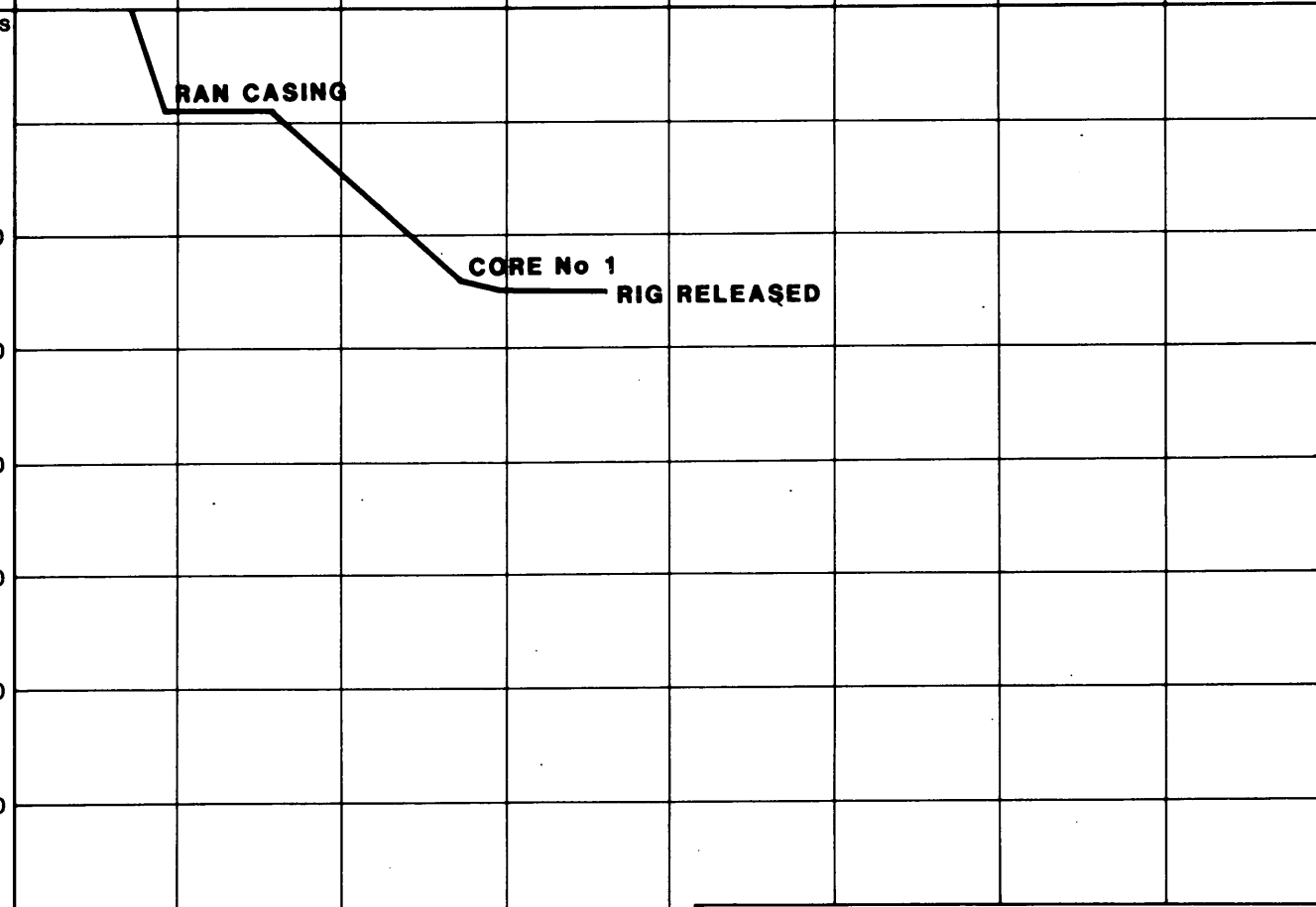
REMARKS (Drillers Depths)

DRILL 8 3/4" HOLE TO 90.0m
RUN 7Jts 7" CASING WITH 70Sx CLASS 'A' CEMENT
DRILL 6" HOLE TO 243.84m

CUT CORE No1 TO 245.67m (T.D.)

DEPTH K.B. Metres

DAYS FROM SPUD



SOUTH AUSTRALIAN OIL & GAS CORP. PTY. LTD.

ROBINVALE 1

ACTUAL DEPTH-TIME CURVE

INT . R.J.SUTTILL	DATE . JULY '83	RB001.2946
DRN . C.KAY	Sc . AS SHOWN	FIG.3

ENCLOSURES

1. COMPOSITE WELL LOG (GR-LINEAR DENSITY) 1:200
2. SP-RESISTIVITY LOG 1:200
3. GEARHART MUD LOG 1

902537 050

PE601262

This is an enclosure indicator page.
The enclosure PE601262 is enclosed within the container PE902537 at this location in this document.

The enclosure PE601262 has the following characteristics:

ITEM_BARCODE	= PE601262
CONTAINER_BARCODE	= PE902537
NAME	= Composite Well Log Mildura West-2
BASIN	= MURRAY
OFFSHORE?	= Y
DATA_TYPE	= COMPOSITE_LOG
DATA_SUB_TYPE	= HARDCOPY-PAPER
DESCRIPTION	=
REMARKS	= 01-JUL-1983
DATE_WRITTEN	=
DATE_PROCESSED	= SA Oil Wells Corp LTD.
DATE_RECEIVED	=
RECEIVED_FROM	= 25-OCT-1983
WELL_NAME	=
CONTRACTOR	=
AUTHOR	=
ORIGINATOR	= xls_kb00
TOP_DEPTH	=
BOTTOM_DEPTH	=
ROW_CREATED_BY	=

(Inserted by DNRE - Vic Govt Mines Dept)

902537 051

PE601263

This is an enclosure indicator page.
The enclosure PE601263 is enclosed within the container PE902537 at this location in this document.

The enclosure PE601263 has the following characteristics:

ITEM_BARCODE	= PE601263
CONTAINER_BARCODE	= PE902537
NAME	= SP Resistivity Log Mildura West-2
BASIN	= MURRAY
OFFSHORE?	= Y
DATA_TYPE	= WELL_LOG
DATA_SUB_TYPE	= HARDCOPY-PAPER
DESCRIPTION	=
REMARKS	= 01-JUL-1983
DATE_WRITTEN	=
DATE_PROCESSED	= SA Oil Wells Corp LTD.
DATE_RECEIVED	=
RECEIVED_FROM	= 25-OCT-1983
WELL_NAME	=
CONTRACTOR	=
AUTHOR	=
ORIGINATOR	= xls_kb00
TOP_DEPTH	=
BOTTOM_DEPTH	=
ROW_CREATED_BY	=

(Inserted by DNRE - Vic Govt Mines Dept)

PE601264

This is an enclosure indicator page.
The enclosure PE601264 is enclosed within the container PE902537 at this location in this document.

The enclosure PE601264 has the following characteristics:

ITEM_BARCODE	= PE601264
CONTAINER_BARCODE	= PE902537
NAME	= Gearhart Mud log Mildura West-2
BASIN	= MURRAY
OFFSHORE?	= Y
DATA_TYPE	= MUD_LOG
DATA_SUB_TYPE	= HARDCOPY-PAPER
DESCRIPTION	=
REMARKS	= 30-JUN-1983
DATE_WRITTEN	=
DATE_PROCESSED	= SA Oil Wells Corp LTD.
DATE_RECEIVED	=
RECEIVED_FROM	= 25-OCT-1983
WELL_NAME	=
CONTRACTOR	=
AUTHOR	=
ORIGINATOR	= xls_kb00
TOP_DEPTH	=
BOTTOM_DEPTH	=
ROW_CREATED_BY	=

(Inserted by DNRE - Vic Govt Mines Dept)