

# Open File Envelope

## No. 4995

**EL 1040**

**ORROROO**

**PROGRESS REPORTS TO LICENCE  
EXPIRY/SURRENDER FOR THE PERIOD  
27/9/1982 TO 26/9/1983**

Submitted by  
The Electricity Trust of South Australia  
1983

© 18/11/1983

This report was supplied as part of the requirement to hold a mineral or petroleum exploration tenement in the State of South Australia.  
PIRSA accepts no responsibility for statements made, or conclusions drawn, in the report or for the quality of text or drawings.  
This report is subject to copyright. Apart from fair dealing for the purposes of study, research, criticism or review as permitted under the Copyright Act, no part may be reproduced without written permission of the Chief Executive of Primary Industries and Resources South Australia, GPO Box 1671, Adelaide, SA 5001.

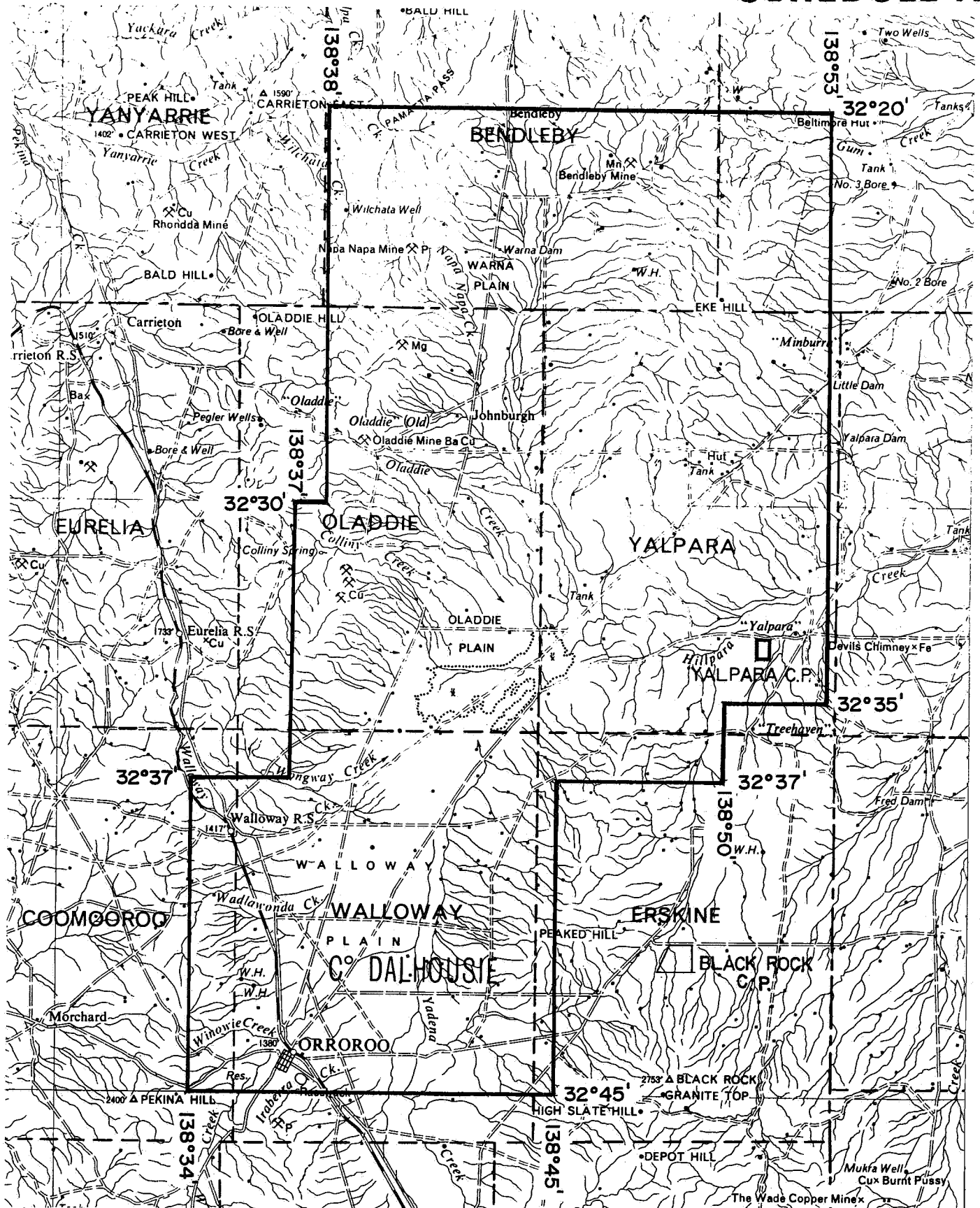
**Enquiries:** Customer Services Branch  
Minerals and Energy Resources  
7th Floor  
101 Grenfell Street, Adelaide 5000

Telephone: (08) 8463 3000  
Facsimile: (08) 8204 1880



**Government of South Australia**  
Primary Industries and Resources SA

# SCHEDULE A



SCALE 1:250,000

KILOMETRES 5 0 5 10 15 20 25 KILOMETRES

APPLICANT: THE ELECTRICITY TRUST OF SOUTH AUSTRALIA

DM: 211/82

AREA: 995 square kilometres

1:250 000 PLANS: ORROROO

LOCALITY: ORROROO AREA

DATE GRANTED: 27-9-82

DATE EXPIRED: 26-9-83

**EXPIRED**

EL No: 1040

CONTENTS ENVELOPE 4995Transparencies In  
Cylinder 4995/1TENEMENT: M.L. 1040 - Orreroo.TENEMENT HOLDER: The Electricity Trust Of South Australia.REPORT: Quarterly Report For Periods 26 Dec. 1982 to 26 March 1983. Pgs. 3-21APPENDIX 1 Lithological Logs. Pgs. 15-20APPENDIX 2 GEOPHYSICAL LOGS - REFER TO PLANS 4995-1 To 4995-12.

PLANS: Locality Plan. Plan No. S16101. Fig. 1. Pg. 8  
 Borehole Location Plan. Fig. 2. Pg. 10  
 Geophysical Logs: Resistivity SP Walloway No. 2. 4995-1  
                             Dual Density Caliper " " " 4995-2  
                             Natural Gamma Neutron " " " 4995-3  
                             Resistivity SP Walloway No. 3. 4995-4  
                             Dual Density Caliper " " " 4995-5  
                             Natural Gamma Neutron " " " 4995-6  
                             Resistivity SP Walloway No. 4. 4995-7  
                             Dual Density Caliper " " " 4995-8  
                             Natural Gamma Neutron " " " 4995-9  
                             Resistivity SP Walloway No. 5. 4995-10  
                             Dual Density Caliper " " " 4995-11  
                             Natural Gamma Neutron " " " 4995-12

REPORT: Quarterly Report To 27 June 1983. Pg. 22  
                             " " " 27 Sept. 1983. Pgs. 23-23  
 Interpretation Of A Gravity & Drilling Programme Pgs. 25-36  
 In The Walloway Basin, S. A.

APPENDIX 1 Bouguer Gravity Profiles. Pgs. 36 - 39 &  
                             " " Data. 4995-13 To 16  
                             " " Station Location Plan. 4995-17 To 18  
                             " " 4995-19

PLANS: Locality Plan. Plan No. S16101. Fig. 1. Pg. 34  
 Borehole Location Plan. Fig. 2. Pg. 35

REPORT: Data Reduction Parameters. Pgs. 40-64

THE ELECTRICITY TRUST OF SOUTH AUSTRALIA

E.L. 1040 QUARTERLY REPORT  
FOR PERIODS 26 DECEMBER 1982 - 26 MARCH 1983

Coal Resources Branch

C O N T E N T S

	<u>Page</u>
<u>ABSTRACT</u>	
<u>LOCATION AND ACCESS</u>	1
<u>CLIMATE : PHYSIOGRAPHY AND LAND USE</u>	1
<u>PREVIOUS INVESTIGATIONS</u>	1
<u>PROGRAMME OF INVESTIGATION</u>	2
<u>DRILLING</u>	2
<u>GEOPHYSICAL LOGGING</u>	2
<u>LITHOLOGICAL LOGGING</u>	3
<u>GEOLOGY</u>	3
<u>RESULTS OF DRILLING</u>	3
<u>HYDROGEOLOGY</u>	4
<u>CONCLUSIONS</u>	4
<u>RECOMMENDATIONS</u>	4

APPENDICES

- Appendix 1      -      Lithological Logs
- Appendix 2      -      Geophysical Logs

FIGURES

- Figure 1        -      Locality Plan
- Figure 2        -      Borehole Location Plan

ABSTRACT

In September 1982, ETSA conducted a preliminary coal exploration programme over the northern part of the Tertiary aged Walloway Basin.

Four holes were drilled and geophysically logged to define sediment thickness, coal occurrences, distribution of aquifers and to provide control for future geophysical surveys. Two of these intersected coal and were correlatable with previous investigations. One hole intersected a significant artesian aquifer.

### LOCATION AND ACCESS

The Walloway Basin is located 257 km north of Adelaide and 80 km east of Port Augusta. The township of Orrorroo is located on the south-western margin of the basin with the town of Johnburgh situated in the northern part of the basin (see Figure 1).

Access within the Basin is by loose surface all weather roads and by unimproved earth roads.

### CLIMATE, PHYSIOGRAPHY AND LAND USE

The monthly average rainfall figures for the area are : -

<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>
26	20	16	23	34	39	35	40	32	30	25	22

The area experiences hot, dry summers and cool winters. The basin is surrounded by outcropping Adelaidean rocks reaching a maximum elevation of 440 m. These drain into the central part which is essentially flat with an average elevation of 340 m.

The land is used for sheep and cattle grazing.

### PREVIOUS INVESTIGATIONS

Details of previous geological investigations in the Walloway Basin are described by Kwitko (1981).

Most interest in the basin has been associated with groundwater with investigations which have generally been restricted to the southern part of the basin. SAIMS's water bore records indicate that over 300 water bores have been drilled but of these only 12 have useful lithological logs of Tertiary sediments. As part of the hydrological assessment of the area, the SAIMS carried out refraction seismic and gravity programmes to delineate the extent and thickness of sediment in the southern portion of the basin, of which are available in a report by Finlayson (1980). As a result of these investigations, Walloway No. 1 was drilled (called WW1 in this report). This hole intersected 23 m of coal at 244 m in depth.

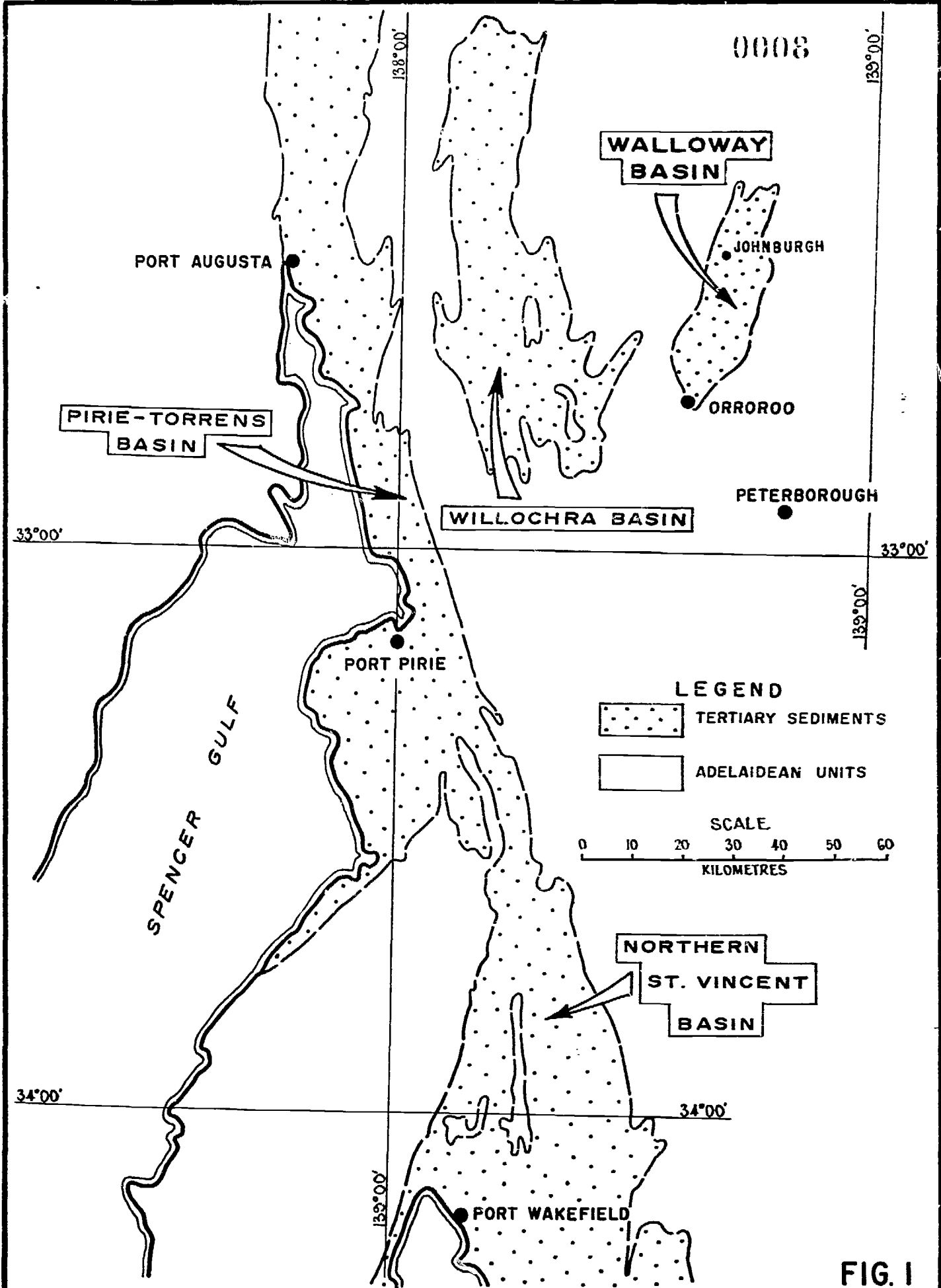




FIG. 1

<div>  </div>	DEPARTMENT OF MINES AND ENERGY SOUTH AUSTRALIA		COMPILED G. Kwitko	 C.D.O.	DATE
	WALLOWAY BASIN TERTIARY COAL INVESTIGATION LOCALITY PLAN		DRAWN R.H.	SCALE As shown	
			DATE Mar. 1982	PLAN NUMBER	
			CHECKED	SIG101	

2805

0009

## PROGRAMME OF INVESTIGATION

Exploration Licence E.L. 1040 was granted on 26 September 1982.

Four rotary holes were drilled at about a 5 km spacing with the locations being selected on water bore information, gravity profiles and geological interpretation (Figure 2).

The programme was carried out in the northern part of the basin and was aimed at defining : -

- . Thickness of Tertiary sediments.
- . Occurrences of coal.
- . Coal quality - if significant coal intersections were made.
- . Distribution of aquifers.

It was also intended to use the information for the control and calibration of future geophysical surveys.

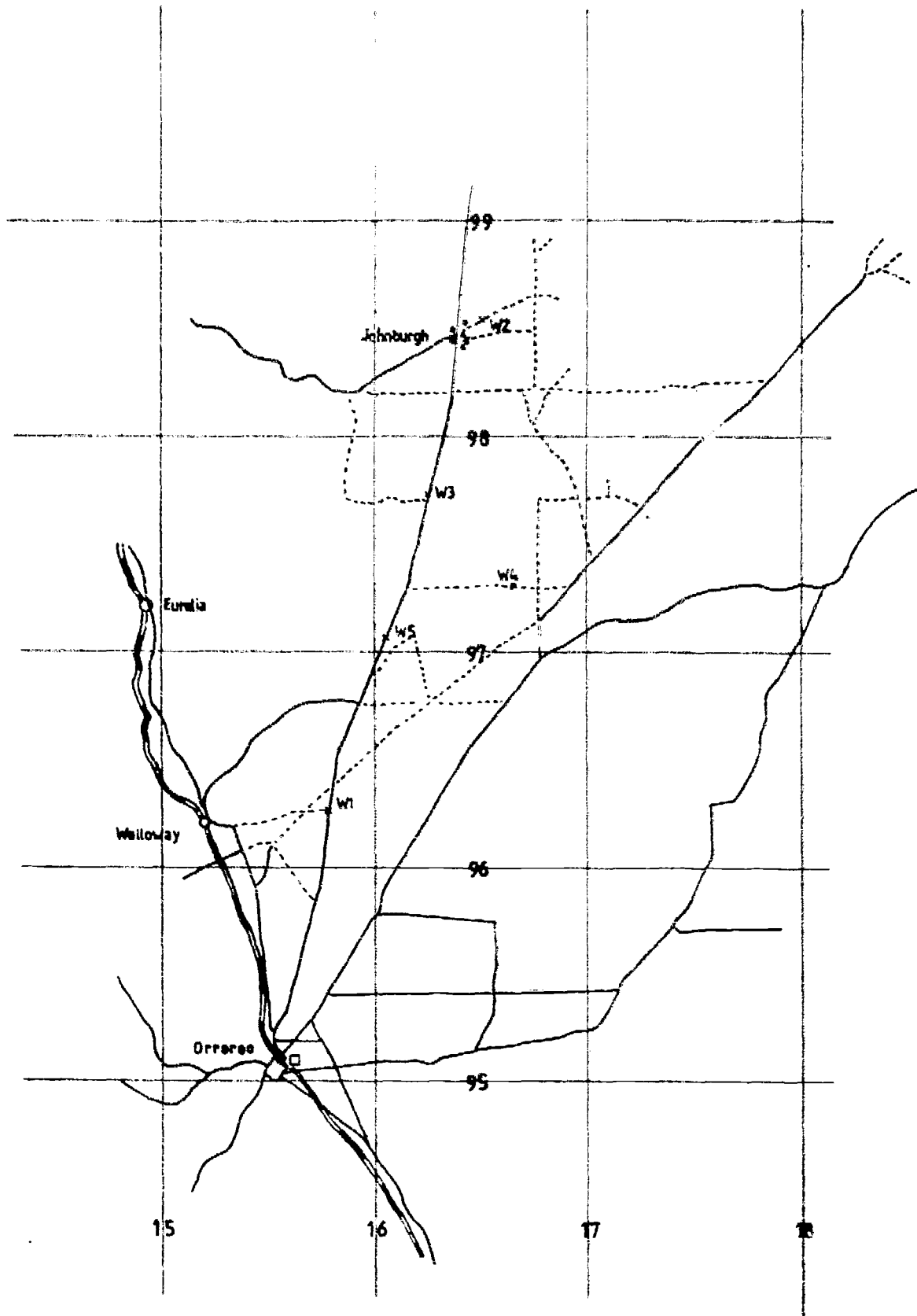
## DRILLING

Drilling was carried out by Thompson Drilling Company using a Bourne 1250 rotary mud drill. All holes were abandoned on completion and backfilled with cement to the surface.

## GEOPHYSICAL LOGGING

Geophysical logging of the drill holes was carried out by Geoscience and Associates (Australia) Pty Ltd. The holes were logged for caliper, neutron, natural gamma, short and long spaced density, S.P. and resistivity. Copies of geophysical logs are included in Appendix 2.

Calibrations were performed each day in a large concrete water tank, these remained constant over the period of use.



DRN	K.A.S.		THE ELECTRICITY TRUST OF SOUTH AUSTRALIA	SCALE 1:250,000
CKD			WALLOWAY BASIN	
INSP			BOREHOLE LOCATION PLAN	
AUTH				A4- FIG. 1

0011

## LITHOLOGICAL LOGGING

Cuttings from the holes were sampled at the hole collar for each three metre interval from surface to total depth. No coring was done during the programme.

Problems encountered during sample recovery included poor cuttings returns, up hole contamination and the presence of high pressure artesian aquifers.

Cuttings were described at the time of drilling by the on-site geologist. After geophysical logging, the lithological descriptions were re-interpreted and depth adjusted to geophysical logs.

Lithological descriptions are available in Appendix 1. All cuttings are stored at the South Australian Department of Mines and Energy Core Library, Glenside.

## GEOLOGY

### General

Studies by Kwitko (1982) and Binks (1966) describe the Walloway Basin as an intermontane valley filled with fluvial-lacustrine Tertiary sediments and younger quaternary sediments which lie unconformably on Proterozoic Adelaide system units.

The Tertiary sediments may be broken up into two lithological units consisting of a lower sequence of interbedded sand, silt and clay overlain by a clay unit. Coal occurrences have been noted in both upper and lower units with the thickest intersections being in the lower.

## RESULTS OF DRILLING

### Northern Geology

The lithologies intersected in the drill holes are readily correlatable with those described by Kwitko (1982). The basal unit consists of fine, poorly sorted quartz sand and white and dark brown clay with carbonaceous bands occurring towards the top of the unit. Thin seams of coal were intersected in holes WW5 and WW3. This unit has a thickness of about 50-70 m to the west but thins and becomes more clayey towards the east and north. This unit is overlain by the "upper" Tertiary unit which consists of stiff,

0012

Northern Geology      Cont'd

purple, grey, yellow and buff mottled clays and silty clays. This unit has a maximum thickness of about 140 m but thins to 50 m to the east and 75 m to the north where it directly overlies basement.

A sequence of Quaternary aged, fine to coarse dark red-brown, poorly sorted sands and gravels with thin bands of white limestone overlie these.

A summary of the drill holes is presented in Table 1.

Coal Occurrences

Carbonaceous sediments and coal were only interested in the "Lower" Tertiary unit. This unit is thickest on the western side of the basin where 20 m of coal were intersected in WW1. Coal seams intersected in WW3 and WW5 correlate with this seam but only attain a maximum thickness of 3.0 m in WW5.

HYDROGEOLOGY

Two holes, WW5 and WW4, intersected artesian aquifers within the lower Tertiary unit. Flows from WW4 were considerable being estimated at 140 litres per second.

CONCLUSIONS

From information gained during this programme and from previous work it appears that coal occurs in the lower Tertiary unit only. The distribution of this unit is widespread but was not intersected in hole WW2 which would indicate a structural (either syn or post depositional) termination of the unit between WW2 and WW3. No carbonaceous material is associated with this unit to the east.

RECOMMENDATIONS

Future work on the Walloway Basin should be aimed at defining the distribution of the lower Tertiary unit, and the structure of the basin to the east and north.

TABLE 1DRILL HOLE SUMMARY

HOLE NO.	TOTAL THICKNESS OF COAL	THICKNESS OF CARBONACEOUS ZONE	ARTESIAN AQUIFER ZONES	REMARKS	T.D.
WW2	-	-	-	No "lower" Tertiary unit	104 m
WW3	< 1 m	50 m	-	No flows	279 m
WW4	-	-	84.00 - 97.60 m	85.00 litres/second	136 m
WW5	3.0 m	22.2 m	169 - 175 m	Not measured	254 m

REFERENCES

BINKS, P. J., 1966 : Geology of the Orroroo 1:250 000 Area.

Rept. Invest. Geol. Surv. S. Aust. 30.

FINLAYSON, B., 1980 : Walloway Basin Seismic and Gravity Survey,

S. Aust. Dept. Mines and Energy report 80/33 (unpublished).

KWITKO, G., 1982 : The Investigation of Tertiary Coal in the Walloway Basin, South Australia.

S. Aust. Dept. Mines and Energy report 36/82.

APPENDIX 1

LITHOLOGICAL LOGS

3016 HOLE NO: WW2

AREA: , , /

Depth drilled: 104.0 m

DATE: 9 / 9 / 82

[illegible]

COALFIELD: WALLOWAY BASIN

0017 HOLE NO: WW3

A.M.G. Zone:

Collar E.L.: 378  
279 m

AREA: /

E: 282 950.0

Core from - to - m

N: 6 400 025.0

Depth drilled: 279.00 m

DATE: 10 / 9 / 82

UnitBase m	Thickness m	Strata:	SEAM/ UNIT	(DRY) ASH %
21.0	21.0	SAND (80%) fine-medium, dark red, brown, poorly sorted.		
		GRAVEL (20%) quartz pebbles, subrounded - angular.		
24.0	3.0	CLAY - medium brown.		
32.0	8.0	SAND (60%) fine grained, poorly sorted.		
		CLAY (40%) medium brown.		
35.0	3.0	LIMESTONE - white, iron stained.		
50.0	15.0	CLAY - medium brown, medium grey, light grey-purple,		
		very stiff, silty.		
51.3	1.3	GRAVEL - quartz, iron stained, angular, poorly sorted.		
78.0	26.7	CLAY - light grey, silty, stiff, coarse grained,		
		sand bands at 59.0 m, 67.0 m and 77.5 m.		
124.0	46.0	CLAY - light grey, brown, blue, silty, stiff with		
		soft bands, some iron staining towards the base.		
144.0	20.0	CLAY - light-medium grey, silty and sandy, stiff.		
156.0	12.0	SAND (60%) medium to coarse grained, well rounded,		
		well sorted, clayey.		
		CLAY (40%) cream, white, light grey, stiff.		
165.0	9.0	CLAY - white, light grey.		
175.5	10.5	SILT (40%) light grey, white.		
		SAND (60%) fine-medium grained, some rare pyritic		
		nodules, poorly sorted.		
189.5	14.0	CLAY - silty, light grey, white, cream.		
206.0	16.5	CLAY - slightly carbonaceous, medium-dark brown, silty.		
211.5	5.5	CLAY - dark brown, highly carbonaceous bands with		
		woody fragments, some pyrite nodules.		

Drilled by: THOMPSON  
DRILLING

Cuttings Log by: A Kremor

Compiled from: Field log

X

Electronic log

X

Elec. log by: GEOSCIENCE

Interpretation by: A Kremor

REMARKS:

Typed:

COALFIELD:

0018 HOLE NO: , WW3 ,

UF 1089 5/80



COALFIELD: WALLOWAY BASIN

HOLE NO: WW5

0020

A.M.G. Zone:

Collar E.L.: 346 m

AREA: /

E: 281 150.0

Core from - to - m

N: 6 393 925.0

Depth drilled: 254.0 m

DATE: 15 / 9 / 82

Unit Base m	Thickness m	Strata:	SEAM / UNIT	(DRY) ASH %
15.0	15.0	CLAY (95%) dark red, brown.		
		GRAVEL (5%) quartz, iron stained, grey, less than 5 mm.		
25.0	9.0	CLAY (20%) dark red, brown.		
		GRAVEL (80%) quartz, iron stained, 1 mm - 40 mm.		
27.5	2.5	CLAY - dark red, brown.		
		LIMESTONE - iron staining, white, buff.		
38.5	11.0	CLAY (75%) medium grey, buff, mottled, silty.		
		GRAVEL (25%) quartz, less than 2 mm.		
77.5	39.0	CLAY - dark-medium grey, yellow, mottled, low plasticity.		
92.0	14.5	CLAY - silty, dark-medium grey, dark red, mottled.		
114.0	22.0	CLAY - dark grey, dark red, mottled, black, yellow.		
169.5	55.5	CLAY - silty, multicoloured and mottled, greys, purple, brown, yellow.		
177.5	8.0	SAND - fine to medium grained.		
196.8	19.3	CLAY (35%) light grey, yellow mottled.		
		CLAY (25%) black, carbonaceous.		
		SAND (50%) fine grained.		
199.7	2.9	<u>COAL</u>		
236.0	36.3	CLAY (70%) red, light grey, glauconitic.		
		SILICEOUS OOIDS (70%) forms 1 mm subrounded spheres.		
254.0	18.0	<u>SLATE</u> - medium grey, blue.		

Drilled by: THOMPSON  
DRILLING

Cuttings Log by: A Mills

Compiled from: Field log

X

Elec. log by: GEOSCIENCE

Interpretation by: A Kremor

Electronic log

X

REMARKS:

Typed:

APPENDIX 2

GEOPHYSICAL LOGS



GEO SCIENCE  
P.O. Box 444  
North Adelaide  
SA 5006

# RESISTIVITY

SP

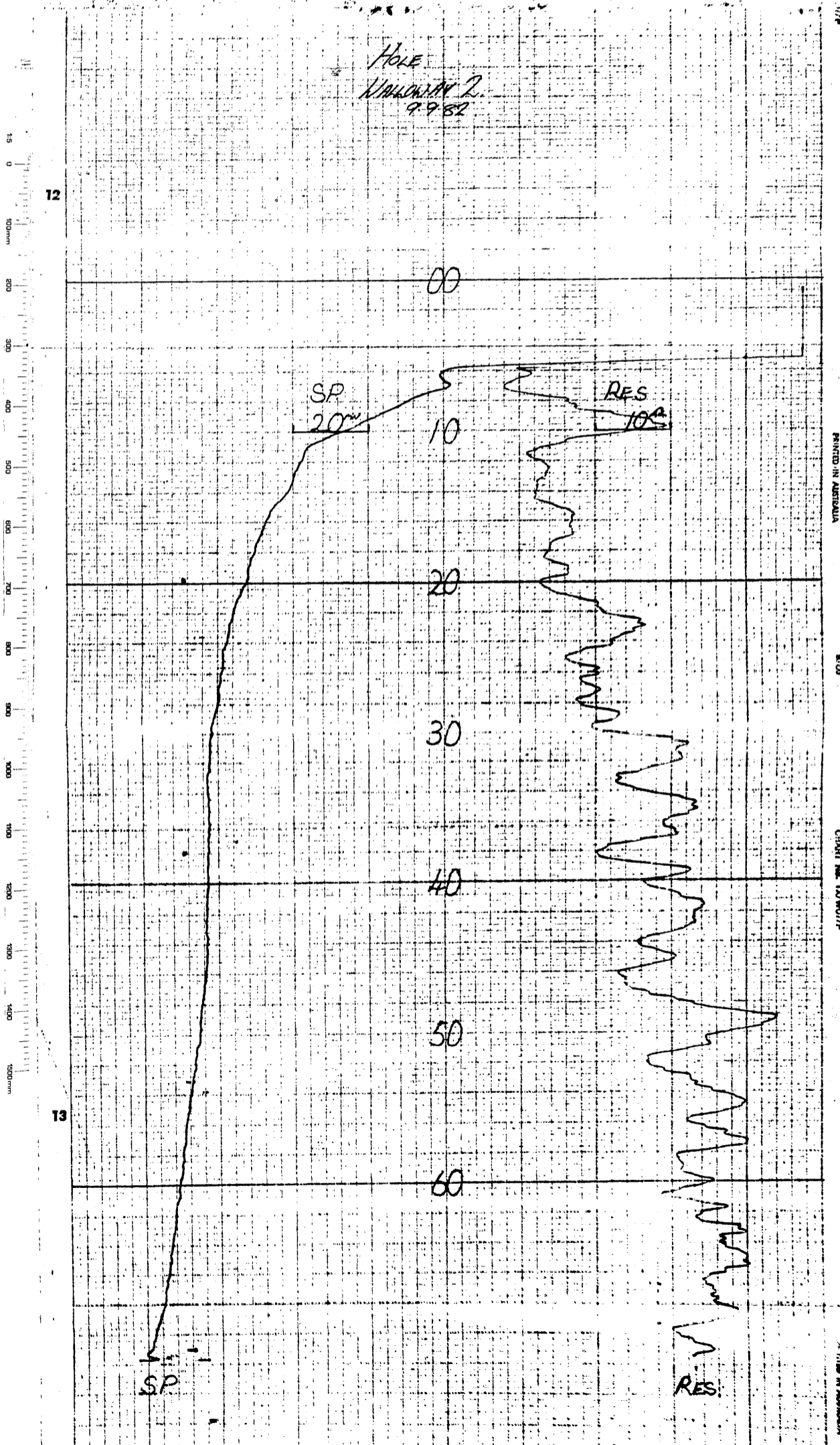
HOLE#

4995-1

DATE: 9-9-82.

Client: <u>ET SA</u>	Casing Data:	Hole Data:	Hole Number: <u>WINDYBAY No 2</u>
Location: <u>285525E 6456700N</u>	Wall Size:	Die 1 from 1 to 20	Order Elevator:
Project:	Die Inside:	Die from 1 to	Depth Studies: M
State: <u>SOUTH AUSTRALIA</u>	Cased from to	Die from to	Fluid Loss: M
Job Operator: <u>RUMER</u>	Cased hole:	Reamed hole: <input checked="" type="checkbox"/>	Remarks:
Computer No: <u>98358 002</u>	Sampled Interval:	Type:	
Test Interval: <u>0.5</u>	<u>2 METRE</u>	<u>FLOWLINE</u>	
Time: <u>15</u>		<u>MUD</u>	

SERVICES





GEOSCIENCE  
P.O. Box 444  
North Adelaide  
SA 5006

# DUAL DENSITY CALIPER

HOLE#

4995-2

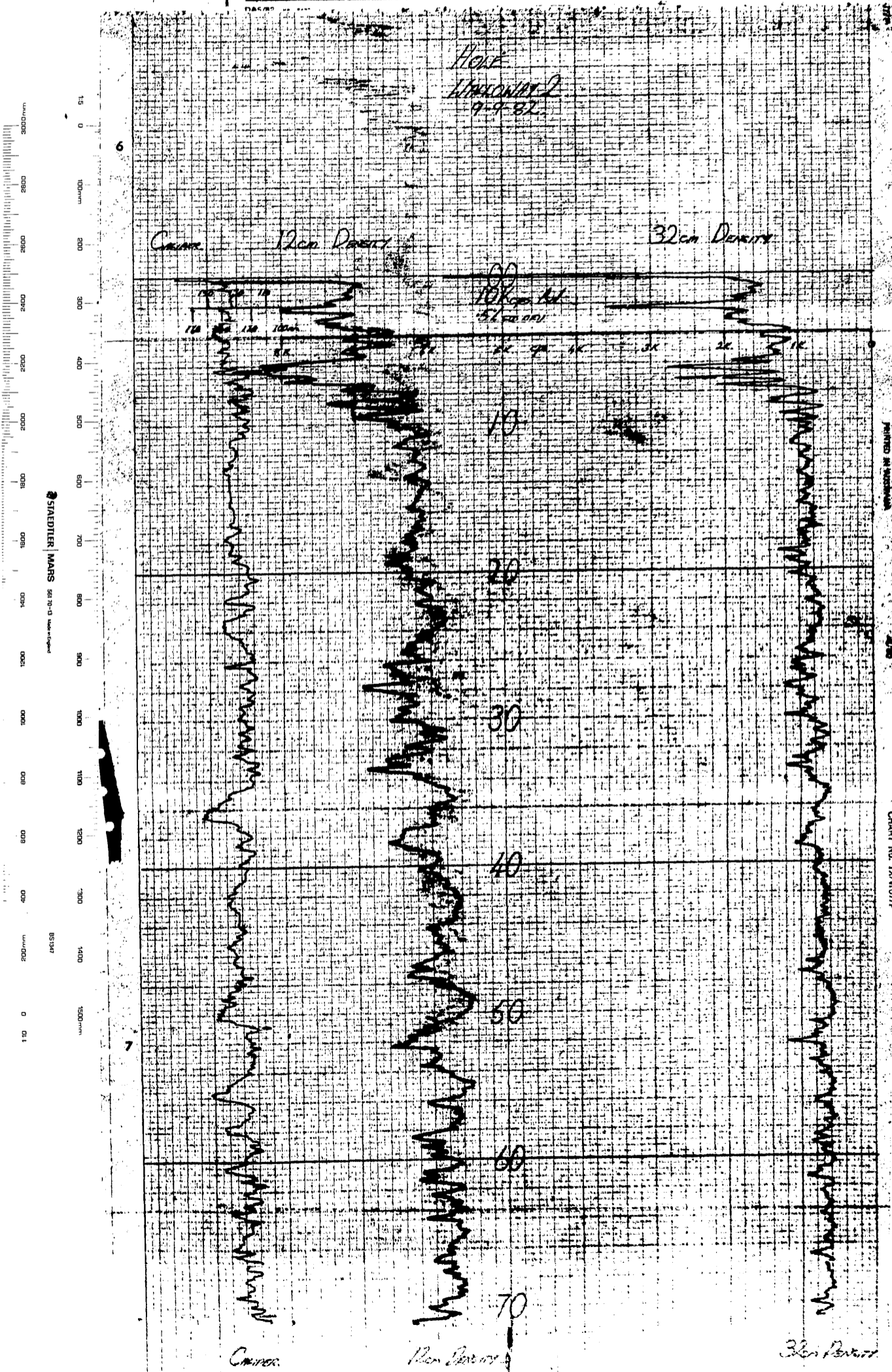
DATE: 9-9-82

ent	ETS-R	Casing Data	Hole Data	Hole Number	WINLOW No 2
cation	285525E 6406700N	Wall Size	Die 5/8 from 6 to 10	Collar Elevation	
ject		Die (inside)	Die from to	Depth Drilled	Mts
ite	SOUTH-AUST	Cased from to	Die from to	Fluid Level	Mts
nt Operator	ANMER	Cored hole	Non cored hole	Remarks	
omputer No	9835-B002	Sampled Interval	Type		
nt Interval	0.5	2 METRE	FLUID LINE		
ne base	0.5		MUD		

## SERVICES

	DENSITY	DENSITY	DENSITY
	32cm	12cm	
Logged depth (m)	71	71	
Range (Full scale)	10K	10K	
STC Dr	5%	5%	
Chart Scale	1200	1200	
Logging speed (mm)	6	6	
Probe No	DDC-05	DDC-05	
Cal. length	Na I	Na I	
Detector Size	1/2	1/2	
Source	Caesium 137	Caesium 137	
Standard (cps)	433	5401	
Dead time (ms)	6	6	
Disc Setting	100	100	
Digital readout	0.5	0.5	
Timebase (sec)	0.5	0.5	

CALIPER No.	
Logged Depth	71
Scale	1000/100
Chart Scale	1200
Logging speed	
Arm Length	
Max Deflection	15"





## NEUTRON

HOLE#

4995-3

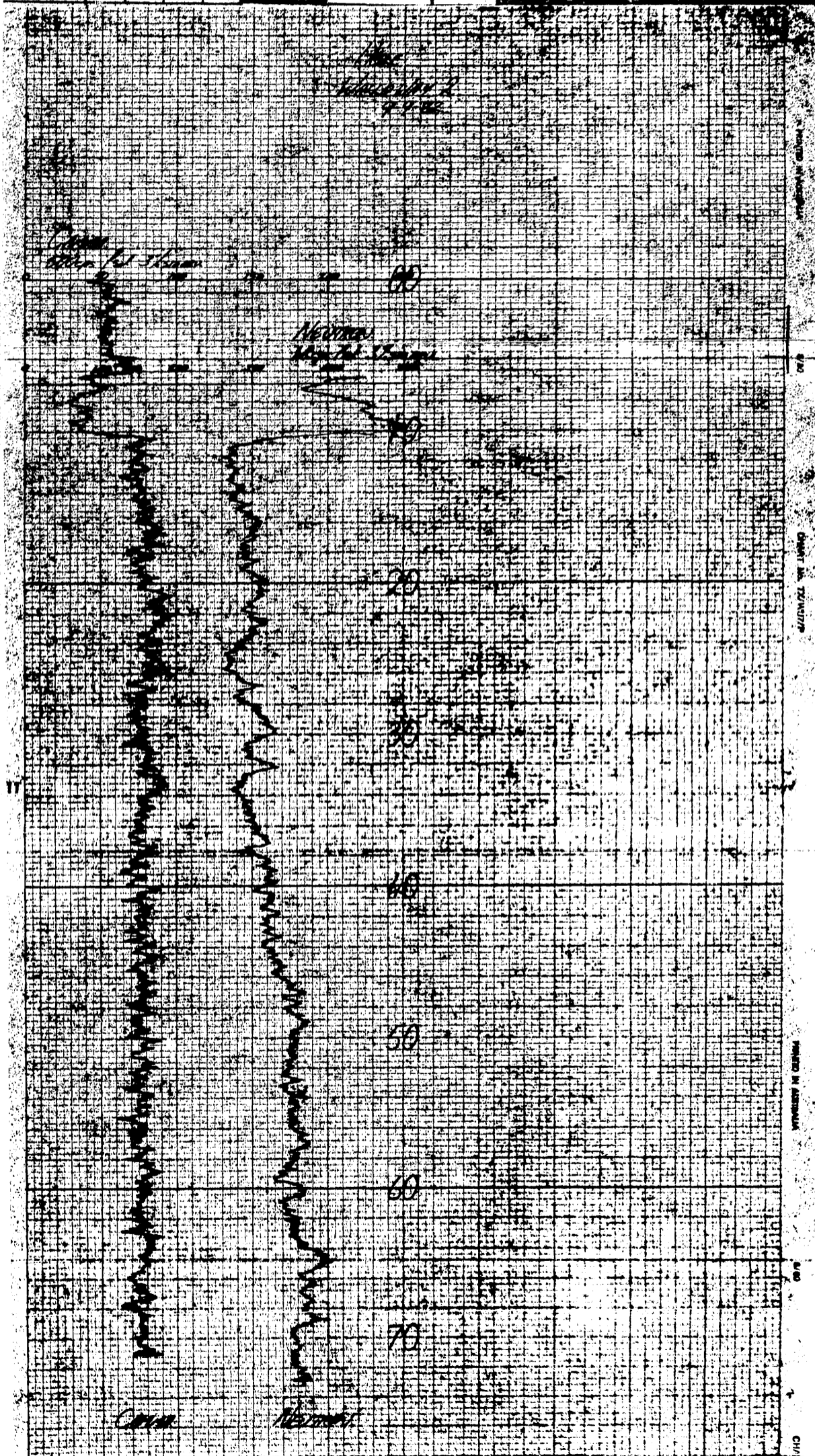
DATE: 9-9-82.

ESTD	Casing Date	Mole Date	Hole Number
285525E 6406700N	Well Size	Dia from to	Collar Elevation
	Dia (inside)	Dia from to	Depth Drilled
SOUTH POST	Cased from to	Dia from to	Fluid Level
Operator: AHMER	Cased from to	Non-Cased from to	Remarks
Instrument No. 98353002	Sample Interval		
Scale 0.05	21 METRE	FLOWLINE	
Date 05		MUD	

## SE A VICES

GAMMA RAY				
	Initial Run	Run 1	Run 2	Run 3
ged depth (M)	71			
ge if Full scale)	500			
TD Div.	3%			
rt Scale	1/200			
ing speed (mm/min)	6			
rd Count (cps)	36			
ic No	5209			
ctor Type	161			
ector Size	3" x 2"			
re				
ctor				
dard (cps)				
l time MS	6			
Setting	100			
al readout	0.05			
base (sec)	0.5			

		11"
Language display	(6A)	71
Range	1000000000	1K
STD Dev		3%
Print Size		1/100
Logging system		Expander
Priority		GND9
Detection		
Resolution		
Source		Am/Ba Lure
Standard	(cps)	
Dead time	MS	6
Disc. Setting		100
Digital readout		05
Timebase	(sec)	5





GEOSCIENCE  
P.O. Box 444  
North Adelaide  
S.A. 5006

# RESISTIVITY

SP

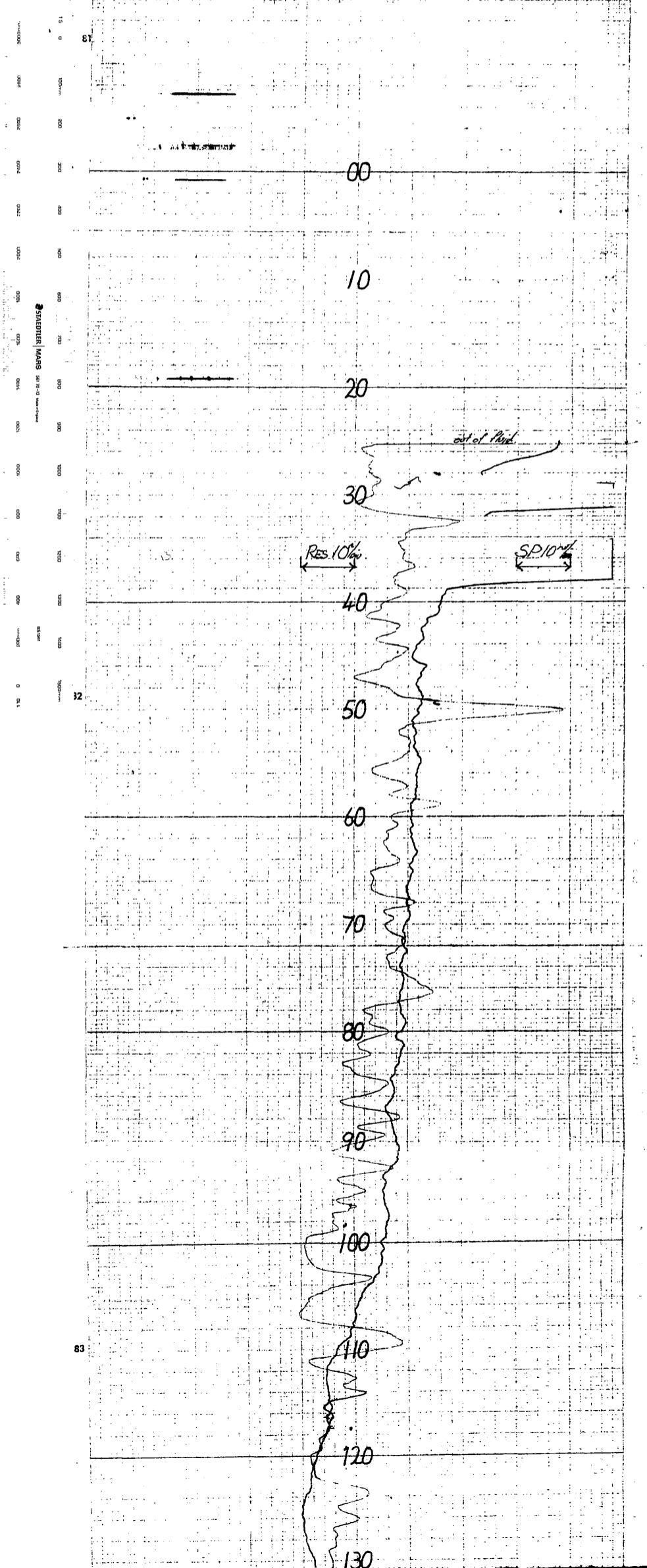
HOLE#

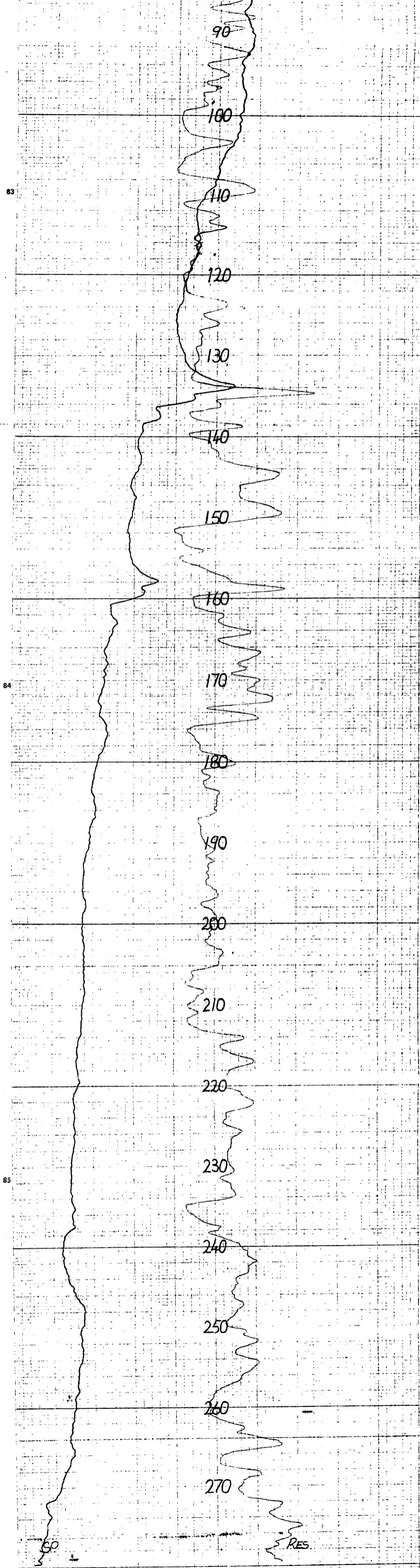
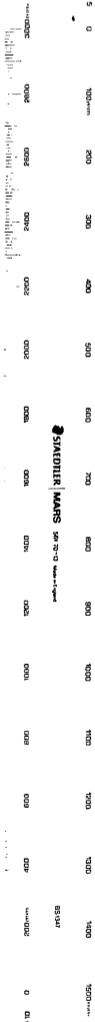
4935-4

DATE: 12-9-82

Client: <u>ETSA</u>	Core Log Date: <u>12-9-82</u>	Core Date: <u>12-9-82</u>	Hole Number: <u>4935-4</u>
Location: <u>2320 SLE 12-9-82</u>	Well Site: <u>12-9-82</u>	Core Site: <u>12-9-82</u>	Core Elevation: <u>12-9-82</u>
Project: <u>12-9-82</u>	Core Log Date: <u>12-9-82</u>	Core Date: <u>12-9-82</u>	Core Elevation: <u>12-9-82</u>
Date: <u>12-9-82</u>	Core Log Date: <u>12-9-82</u>	Core Date: <u>12-9-82</u>	Core Elevation: <u>12-9-82</u>
Core Log Date: <u>12-9-82</u>	Core Date: <u>12-9-82</u>	Core Site: <u>12-9-82</u>	Core Elevation: <u>12-9-82</u>
Core Log Date: <u>12-9-82</u>	Core Date: <u>12-9-82</u>	Core Site: <u>12-9-82</u>	Core Elevation: <u>12-9-82</u>
Core Log Date: <u>12-9-82</u>	Core Date: <u>12-9-82</u>	Core Site: <u>12-9-82</u>	Core Elevation: <u>12-9-82</u>
Core Log Date: <u>12-9-82</u>	Core Date: <u>12-9-82</u>	Core Site: <u>12-9-82</u>	Core Elevation: <u>12-9-82</u>
Core Log Date: <u>12-9-82</u>	Core Date: <u>12-9-82</u>	Core Site: <u>12-9-82</u>	Core Elevation: <u>12-9-82</u>
Core Log Date: <u>12-9-82</u>	Core Date: <u>12-9-82</u>	Core Site: <u>12-9-82</u>	Core Elevation: <u>12-9-82</u>

## SERVICES







GEOSCIENCE  
ASSOCIATES AUSTRALIA PTY LTD  
P O Box 444  
North Adelaide  
SA 5006

# DUAL DENSITY CALIPER

HOLE#

4935-5

DATE: 10-9-82

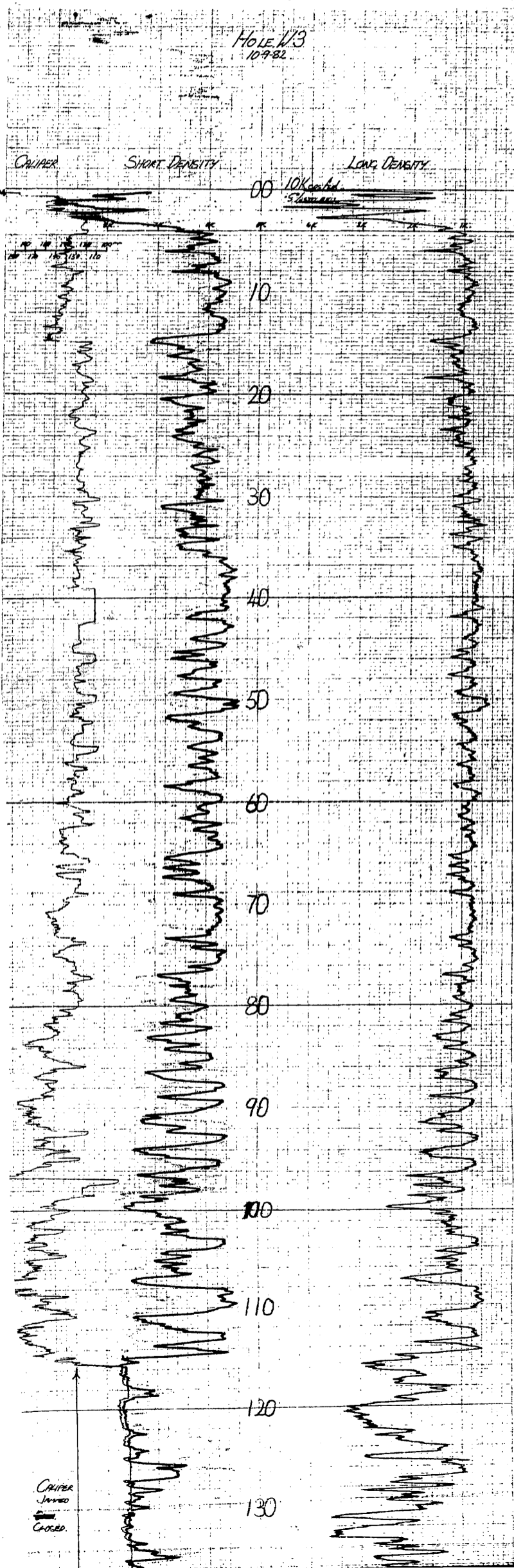
Client	ETSA	Casing Data	Hole Data	Hole Number	WARRAH 3
Location	282950E 6600025N	Wall Size	Dia from 0 to 70	Collar Elevation	
Project	WARRAH 3	Dia Inside	Dia from to	Depth Drilled	Mts
State	SOUTH AUSTR	Cased from to mtrs	Dia from to	Fluid Level	Mts
Unit ALI	44	Cased hole	Non cased hole	Remarks	
Unit Operator	MURPHY	Sampled Interval	Type		
Computer No					
Print Interval	0.5 mtr	2.5 mtr	FROM LINE		
Time base	5 sec		END		

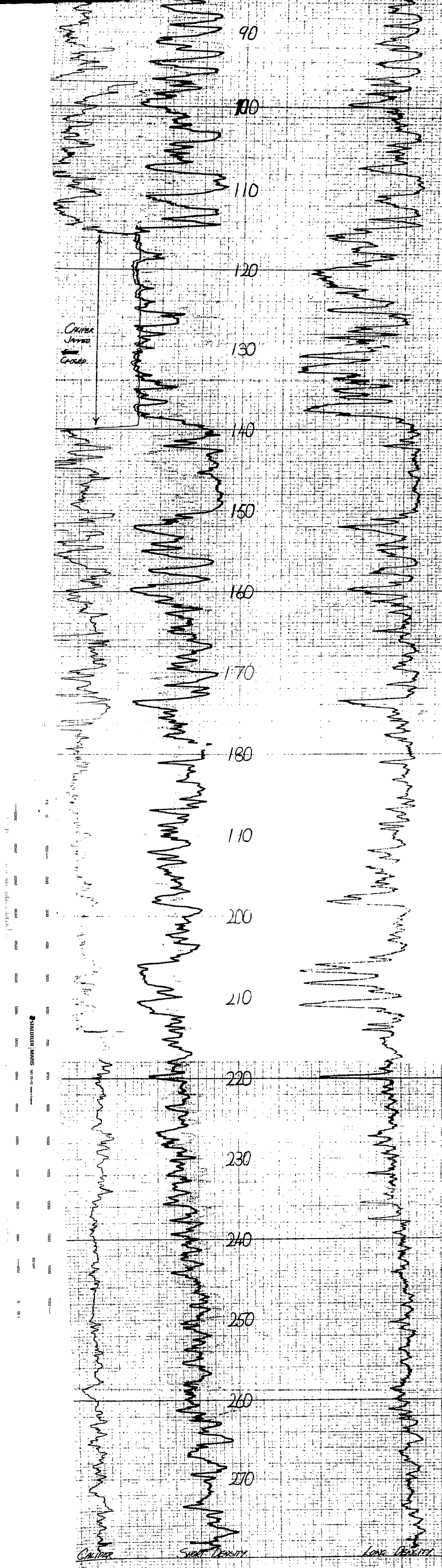
## SERVICES

	DENSITY	DEFLECT	DENSITY
Logged depth (M)	32 Spacing	12 Spacing	
Range (Full scale)	100	100	
% STD Dev	1.0	1.0	
Chart Scale	1.0	1.0	
Logging speed m/min	1.0	1.0	
Probe No.	00005	00005	
Detector Type	1.0	1.0	
Detector Size	1.0	1.0	
Source	1.0	1.0	
Standards (cps)	1.0	1.0	
Dens. Unit	1.0	1.0	
Dens. Scale	1.0	1.0	
Digital resolution	0.5	0.5	
Timebase (sec)	5	5	

CALIPER No.	
Logged Depth	2.74
Scale	1.0
Chart Scale	1.0
Logging Speed	0.5 m/min
Arm Length	15" Type Sanyo Arm
Max. Deflection	12"

SYNCHRONIZER MARKS







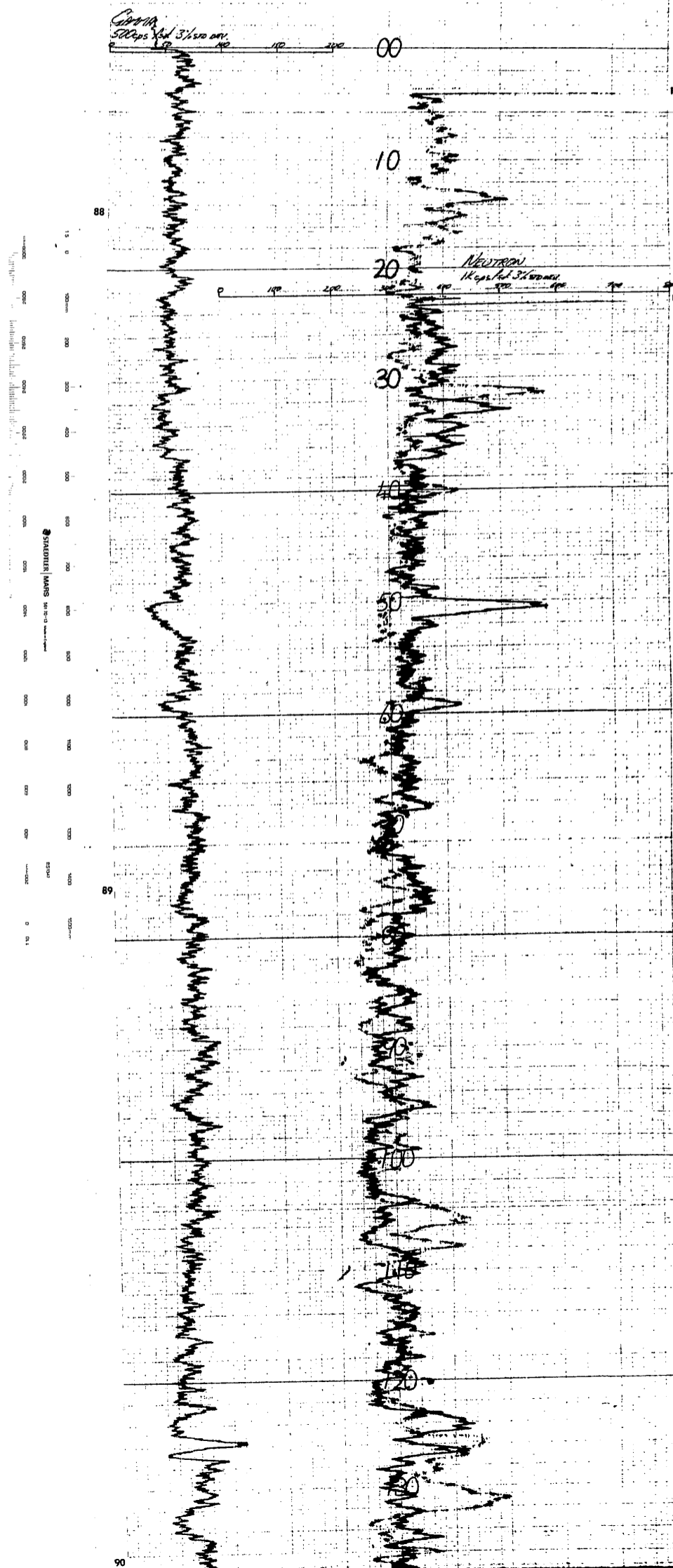
**NEUTRON**

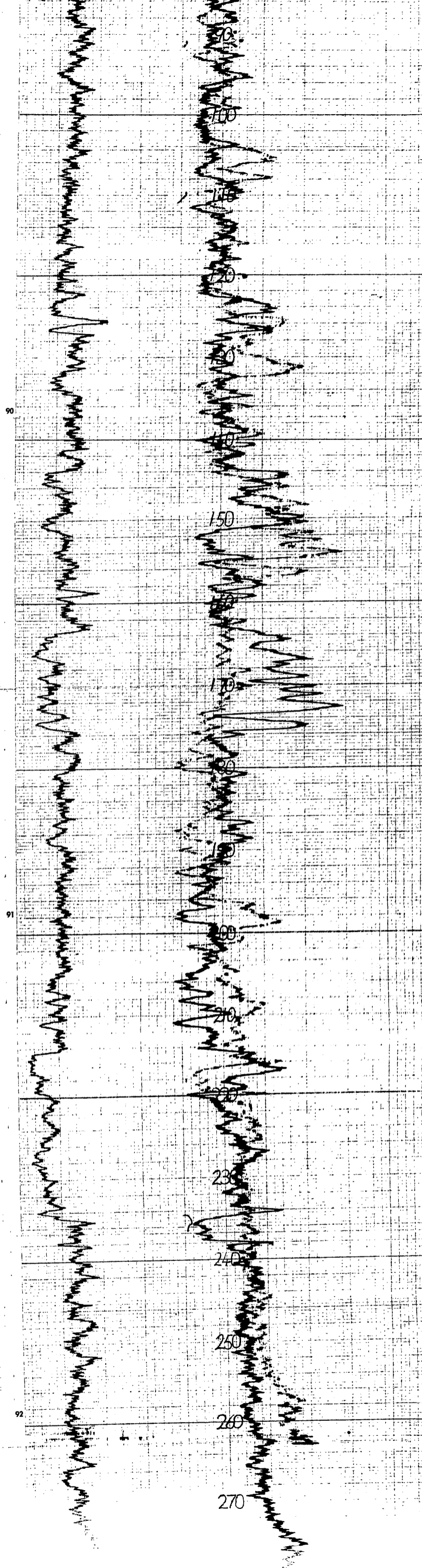
4995-6 HOLE#

DATE 1-7-37

[illegible][illegible]

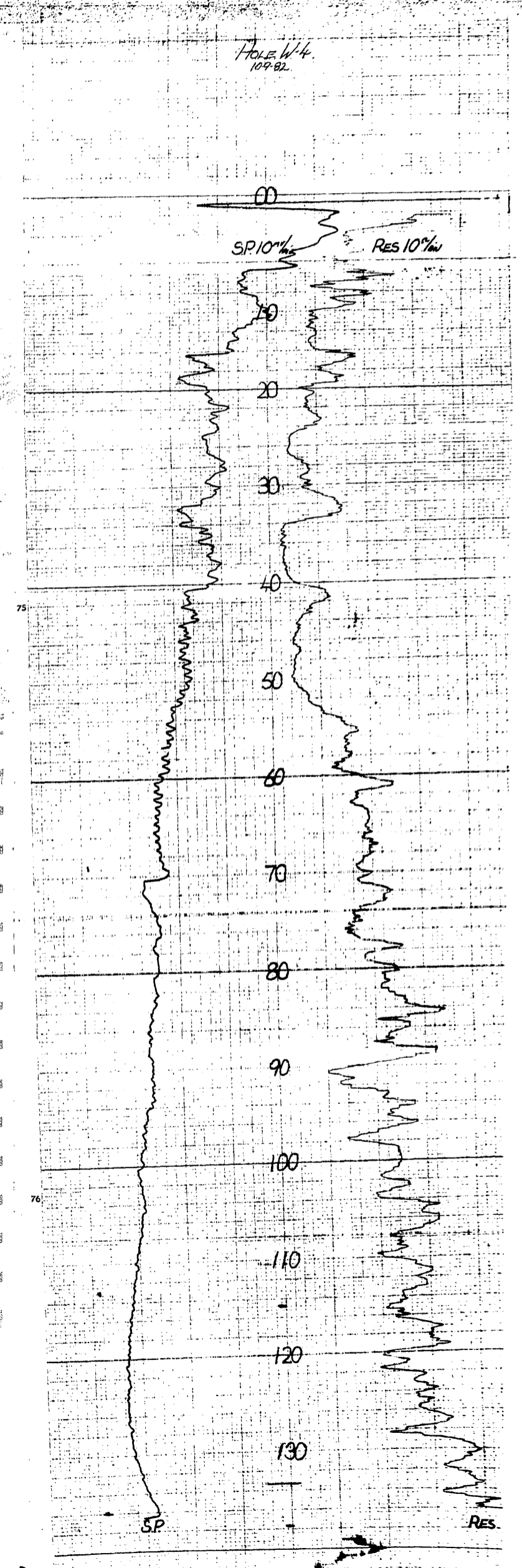
HOLE W3  
10-9-82.





Unit	ETSA	Current Data	Time Data	Time Recorder	16-9-82
Location	280000 630000	Well Site	Dist. 50m	16-9-82	
Depth	100m	Dist. 50m	Dist. 50m	Dist. 50m	
Depth	100m	Dist. 50m	Dist. 50m	Dist. 50m	
Depth	100m	Dist. 50m	Dist. 50m	Dist. 50m	
Depth	100m	Dist. 50m	Dist. 50m	Dist. 50m	
Depth	100m	Dist. 50m	Dist. 50m	Dist. 50m	
Depth	100m	Dist. 50m	Dist. 50m	Dist. 50m	
Depth	100m	Dist. 50m	Dist. 50m	Dist. 50m	
Depth	100m	Dist. 50m	Dist. 50m	Dist. 50m	
Depth	100m	Dist. 50m	Dist. 50m	Dist. 50m	

1.36	1.36
10.4	10.4
4.80	4.80
5.00	5.00





4995-2

**HOLE#**

DATE 10-9-22

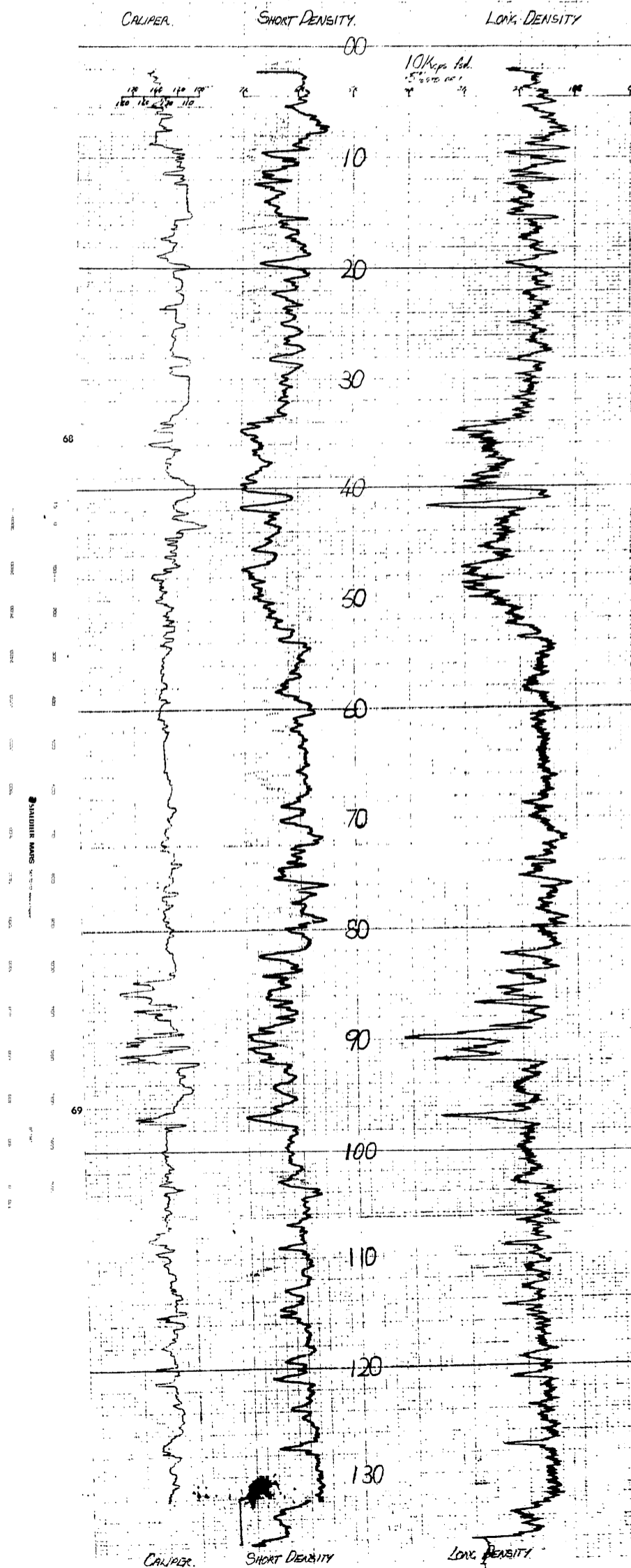
[illegible]

## SERVICES

Serial No.	Remarks	Time	Signature
1	100	100	100
2	100	100	100
3	100	100	100
4	100	100	100
5	100	100	100
6	100	100	100
7	100	100	100
8	100	100	100
9	100	100	100
10	100	100	100
11	100	100	100
12	100	100	100
13	100	100	100
14	100	100	100
15	100	100	100
16	100	100	100
17	100	100	100
18	100	100	100
19	100	100	100
20	100	100	100
21	100	100	100
22	100	100	100
23	100	100	100
24	100	100	100
25	100	100	100
26	100	100	100
27	100	100	100
28	100	100	100
29	100	100	100
30	100	100	100
31	100	100	100
32	100	100	100
33	100	100	100
34	100	100	100
35	100	100	100
36	100	100	100
37	100	100	100
38	100	100	100
39	100	100	100
40	100	100	100
41	100	100	100
42	100	100	100
43	100	100	100
44	100	100	100
45	100	100	100
46	100	100	100
47	100	100	100
48	100	100	100
49	100	100	100
50	100	100	100
51	100	100	100
52	100	100	100
53	100	100	100
54	100	100	100
55	100	100	100
56	100	100	100
57	100	100	100
58	100	100	100
59	100	100	100
60	100	100	100
61	100	100	100
62	100	100	100
63	100	100	100
64	100	100	100
65	100	100	100
66	100	100	100
67	100	100	100
68	100	100	100
69	100	100	100
70	100	100	100
71	100	100	100
72	100	100	100
73	100	100	100
74	100	100	100
75	100	100	100
76	100	100	100
77	100	100	100
78	100	100	100
79	100	100	100
80	100	100	100
81	100	100	100
82	100	100	100
83	100	100	100
84	100	100	100
85	100	100	100
86	100	100	100
87	100	100	100
88	100	100	100
89	100	100	100
90	100	100	100
91	100	100	100
92	100	100	100
93	100	100	100
94	100	100	100
95	100	100	100
96	100	100	100
97	100		

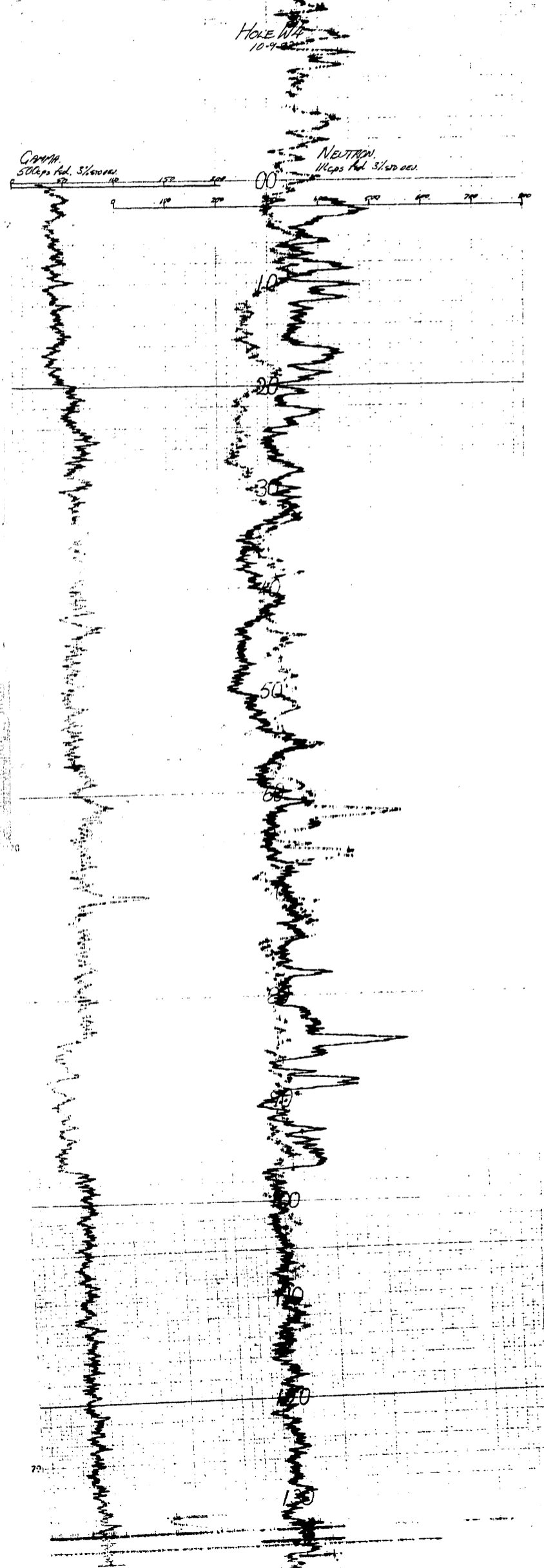
Length	136
Wing	57 mm
Tail	52
Length of wing	60 mm
Wing Length	15" SINGLE
Max. Infection	12"

HOLE W4  
10-9-82.



57154	Coring Date	Probe Log	Probe Number
25100E 1240000	Who Log	1240000 124	1240000 124
1240000	Log Date	1240000	1240000
1240000	Log Time	1240000	1240000
1240000	Log Location	1240000	1240000
1240000	Log Depth	1240000	1240000
1240000	Log Correlation	1240000	1240000
1240000	Log Remarks	1240000	1240000
1240000	Log Operator	1240000	1240000
1240000	Log Supervisor	1240000	1240000
1240000	Log Recorder	1240000	1240000
1240000	Log Checker	1240000	1240000
1240000	Log Approver	1240000	1240000

136	11
500	11
400	11
300	11
200	11
100	11
0	11
100	11
200	11
300	11
400	11
500	11
600	11
700	11
800	11
900	11
1000	11
1100	11
1200	11
1300	11
1400	11
1500	11
1600	11
1700	11
1800	11
1900	11
2000	11
2100	11
2200	11
2300	11
2400	11
2500	11
2600	11
2700	11
2800	11
2900	11
3000	11
3100	11
3200	11
3300	11
3400	11
3500	11
3600	11
3700	11
3800	11
3900	11
4000	11
4100	11
4200	11
4300	11
4400	11
4500	11
4600	11
4700	11
4800	11
4900	11
5000	11
5100	11
5200	11
5300	11
5400	11
5500	11
5600	11
5700	11
5800	11
5900	11
6000	11
6100	11
6200	11
6300	11
6400	11
6500	11
6600	11
6700	11
6800	11
6900	11
7000	11
7100	11
7200	11
7300	11
7400	11
7500	11
7600	11
7700	11
7800	11
7900	11
8000	11
8100	11
8200	11
8300	11
8400	11
8500	11
8600	11
8700	11
8800	11
8900	11
9000	11
9100	11
9200	11
9300	11
9400	11
9500	11
9600	11
9700	11
9800	11
9900	11
10000	11



**RESISTIVITY**  
**S P**

HOLE#

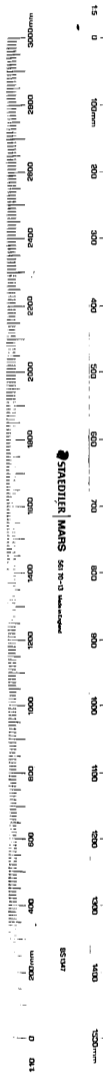
4995-10

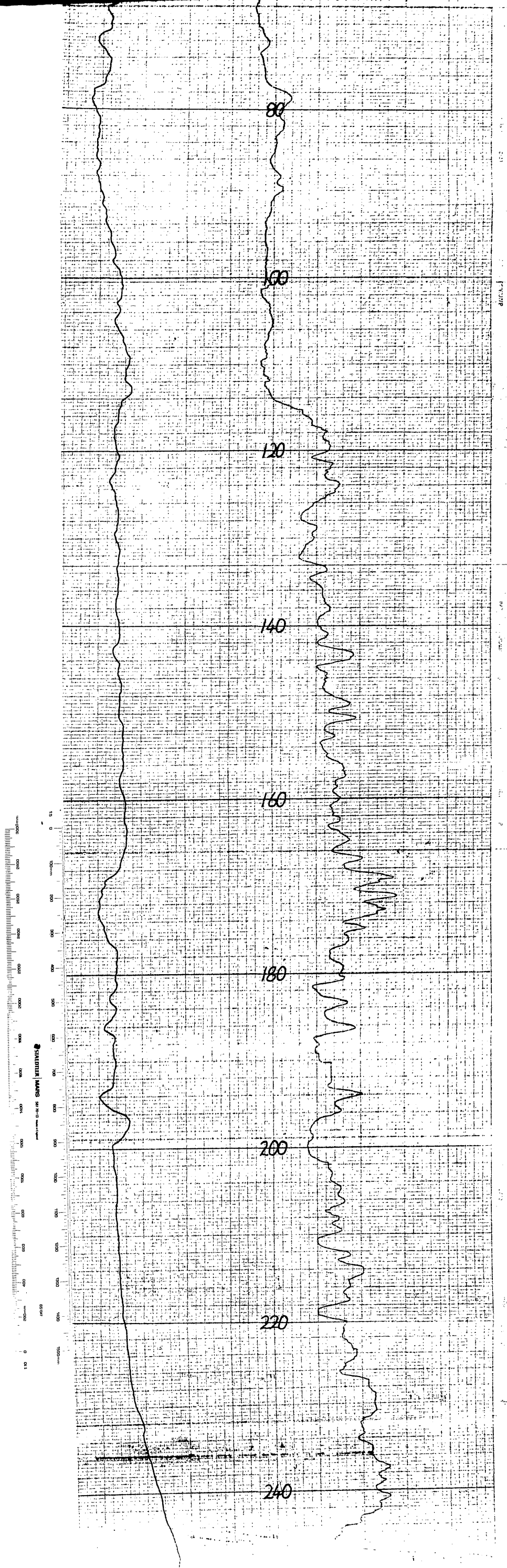
DATE: 15-9-82

nt	CTSA	Casing Date		Hole Date		Hole Number	LANDMAN 5
ation	BRIDGE 689925 N	Well Size		Dia 5" from 2 to 7 ft		Collar Elevation	
ert	BRIDGE	Dia (inches)				Depth Driller	Mtrs
	South West	Unit AL 4				Fluid Level	Mtrs
Operator	PHILIP	Cased from ft	mtrs	Dia from ft	mtrs	Remarks	
Water No		Correct hole		Non cored hole	✓		
Interval	0.5	Sampled Interval	5 METRE	Type	Flow Line		
Base	0.5				Top		

SERVICES

1.5m	1.5m
2.5m	10m
5.0m	10m
10.0m	10m
15.0m	10m
20.0m	10m
25.0m	10m
30.0m	10m
35.0m	10m
40.0m	10m
45.0m	10m
50.0m	10m
55.0m	10m
60.0m	10m
65.0m	10m
70.0m	10m
75.0m	10m
80.0m	10m
85.0m	10m
90.0m	10m
95.0m	10m
100.0m	10m
105.0m	10m
110.0m	10m
115.0m	10m
120.0m	10m
125.0m	10m
130.0m	10m
135.0m	10m
140.0m	10m
145.0m	10m
150.0m	10m
155.0m	10m
160.0m	10m
165.0m	10m
170.0m	10m
175.0m	10m
180.0m	10m
185.0m	10m
190.0m	10m
195.0m	10m
200.0m	10m
205.0m	10m
210.0m	10m
215.0m	10m
220.0m	10m
225.0m	10m
230.0m	10m
235.0m	10m
240.0m	10m
245.0m	10m
250.0m	10m
255.0m	10m
260.0m	10m
265.0m	10m
270.0m	10m
275.0m	10m
280.0m	10m
285.0m	10m
290.0m	10m
295.0m	10m
300.0m	10m
305.0m	10m
310.0m	10m
315.0m	10m
320.0m	10m
325.0m	10m
330.0m	10m
335.0m	10m
340.0m	10m
345.0m	10m
350.0m	10m
355.0m	10m
360.0m	10m
365.0m	10m
370.0m	10m
375.0m	10m
380.0m	10m
385.0m	10m
390.0m	10m
395.0m	10m
400.0m	10m
405.0m	10m
410.0m	10m
415.0m	10m
420.0m	10m
425.0m	10m
430.0m	10m
435.0m	10m
440.0m	10m
445.0m	10m
450.0m	10m
455.0m	10m
460.0m	10m
465.0m	10m
470.0m	10m
475.0m	10m
480.0m	10m
485.0m	10m
490.0m	10m
495.0m	10m
500.0m	10m
505.0m	10m
510.0m	10m
515.0m	10m
520.0m	10m
525.0m	10m
530.0m	10m
535.0m	10m
540.0m	10m
545.0m	10m
550.0m	10m
555.0m	10m
560.0m	10m
565.0m	10m
570.0m	10m
575.0m	10m
580.0m	10m
585.0m	10m
590.0m	10m
595.0m	10m
600.0m	10m
605.0m	10m
610.0m	10m
615.0m	10m
620.0m	10m
625.0m	10m
630.0m	10m
635.0m	10m
640.0m	10m
645.0m	10m
650.0m	10m
655.0m	10m
660.0m	10m
665.0m	10m
670.0m	10m
675.0m	10m
680.0m	10m
685.0m	10m
690.0m	10m
695.0m	10m
700.0m	10m
705.0m	10m
710.0m	10m
715.0m	10m
720.0m	10m
725.0m	10m
730.0m	10m
735.0m	10m
740.0m	10m
745.0m	10m
750.0m	10m
755.0m	10m
760.0m	10m
765.0m	10m
770.0m	10m
775.0m	10m
780.0m	10m
785.0m	10m
790.0m	10m
795.0m	10m
800.0m	10m
805.0m	10m
810.0m	10m
815.0m	10m
820.0m	10m
825.0m	10m
830.0m	10m
835.0m	10m
840.0m	10m
845.0m	10m
850.0m	10m
855.0m	10m
860.0m	10m
865.0m	10m
870.0m	10m
875.0m	10m
880.0m	10m
885.0m	10m
890.0m	10m
895.0m	10m
900.0m	10m
905.0m	10m
910.0m	10m
915.0m	10m
920.0m	10m
925.0m	10m
930.0m	10m
935.0m	10m
940.0m	10m
945.0m	10m
950.0m	10m
955.0m	10m
960.0m	10m
965.0m	10m
970.0m	10m
975.0m	10m
980.0m	10m
985.0m	10m
990.0m	10m
995.0m	10m
1000.0m	10m







GEO SCIENCE  
ASSOCIATES AUSTRALIA PTY LTD  
PO Box 444  
North Adelaide  
SA 5006

DUAL  
DENSITY  
CALIPER

4-995-11

DATE: 15-9-80

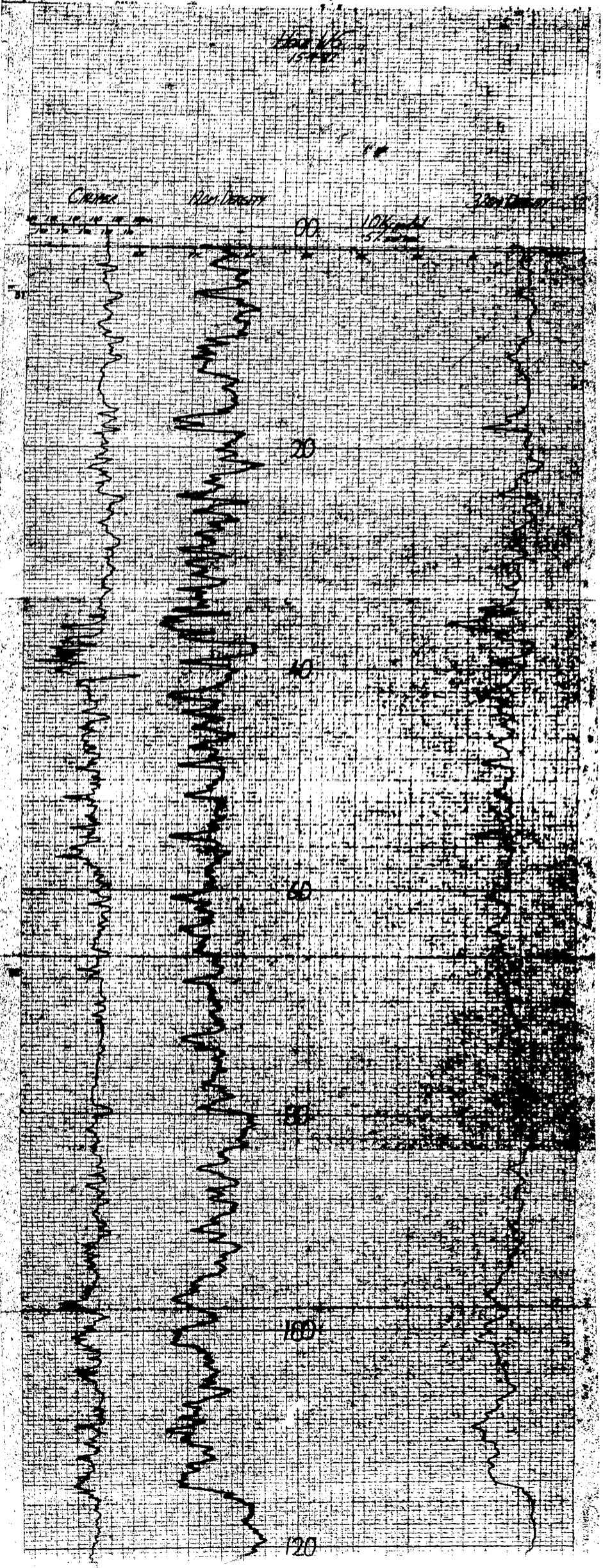
Client	ETSA	Casing Data	Hole Data	Hole Number	WINDMILL 5
Location	281505	Wall Size	Dia 5" from 0 to 70	Collar Elevation	
Project	SAHURAH	Dia (inside)	Dia from to	Depth Drilled	
Site	Sahurah West	Cased from to	Dia from to	Fluid Level	
Unit Operator	WILSON	Cased hole	Non-cased hole	Remarks	
Computer No		Sample Interval	Type		
Print Interval	0.5	3 MIN	FEEDBACK		
Time base	0.5		1700		

SERVICES

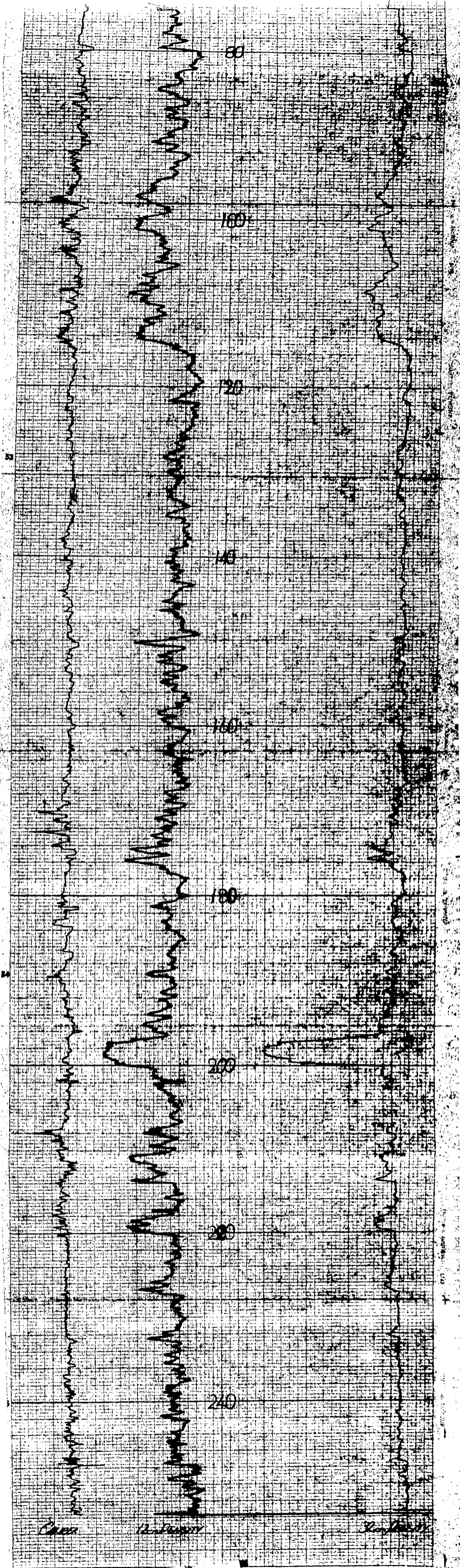
	DENSITY	DENSITY	DENSITY
	87 Spacing	Spacing	12 Spacing
Logged depth (M)	254		254
Range (Full scale)	10K		10K
1/2 STD Dev	0.5%		0.5%
Chart Scale	500		500
Logging Speed	100		100
Probe No	DC-01		DC-05
Detector Type	NaI		NaI
Detector Size	5x5		5x5
Source			
Standard (cps)	100		100
Dead time (MS)	1		1
Disc Setting	100		100
Digital readout	0.5		0.5
Time base (sec)	0.5		0.5

CALIPER No	
Logged Depth	254
Scale	1000
Chart Scale	500
Logging Speed	100
Arm Length	15"
Max Deflection	12"

STADLER MARS 341 25-13



SYNTHETIC MASS 301-70-10  
1.0 0 1.0  
0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000 15000  
0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000 15000





GEOSCIENCE  
ASSOCIATES AUSTRALIA PTY LTD  
P O Box 444  
North Adelaide  
SA 5006

# NATURAL GAMMA

## NEUTRON

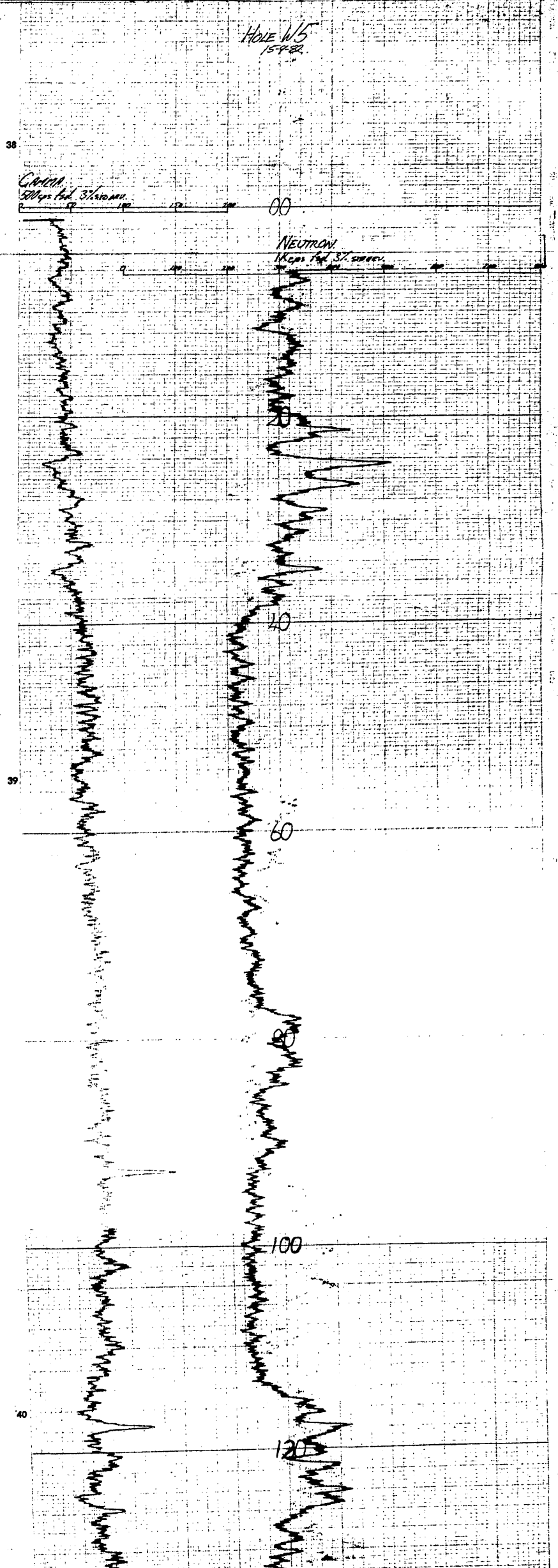
HOLE#

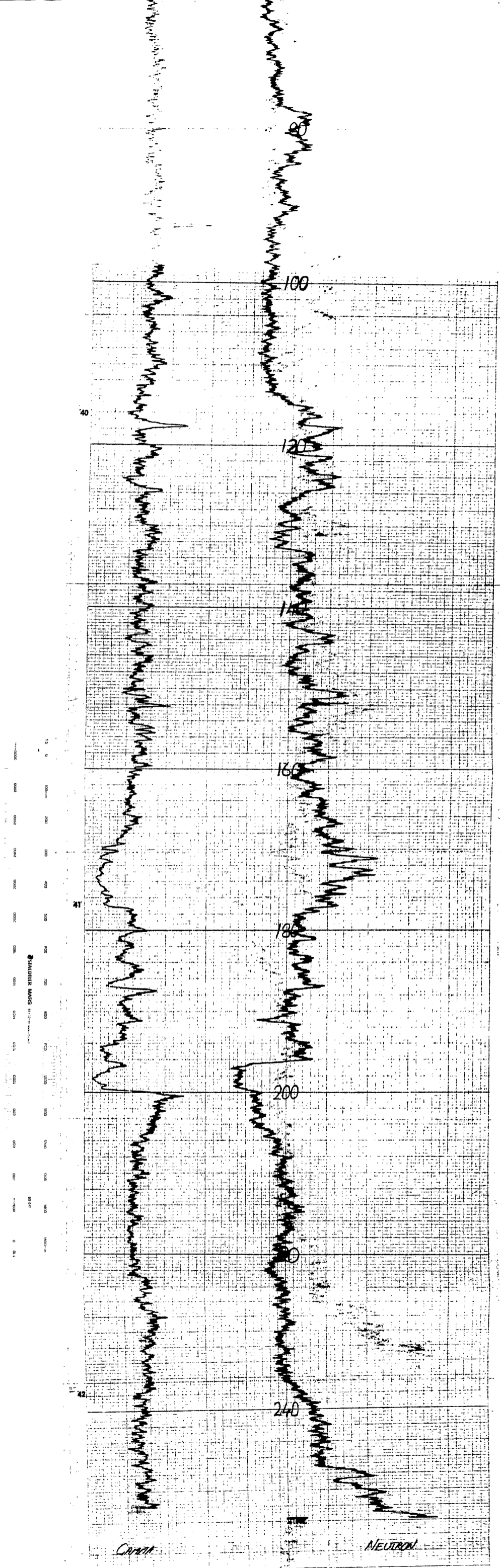
4-395-12

DATE: 15-9-82

Site: <u>ETSA</u>	Core No: <u>231506 1393925N</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Hole Number: <u>WILLOW 5</u>
Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>
Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>
Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>
Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>
Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>
Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>
Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>
Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>
Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>

Core No: <u>231506 1393925N</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>
Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>
Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>
Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>
Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>
Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>
Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>
Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>
Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>
Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>	Core Elev: <u>0 to 70</u>	Core Date: <u>15-9-82</u>







# THE ELECTRICITY TRUST OF SOUTH AUSTRALIA

220 GREENHILL ROAD, EASTWOOD, SOUTH AUSTRALIA 0022

Postal Address: P.O. Box 6,  
Eastwood, South Australia, 5063  
Telegrams Electrua, Adelaide  
Telephone (08) 223 0383  
Telex 88 655

2 August 1983

The Director-General  
South Australian Department  
of Mines and Energy  
191 Greenhill Road  
PARKSIDE SA 5063

Attention : Mr. I. Grant

Dear Sir

E.L. 1040 - WALLOWAY BASIN  
QUARTERLY REPORT - 27 JUNE 1983

Over the past quarter the Trust has carried out minor work in relation to E.L. 1040.

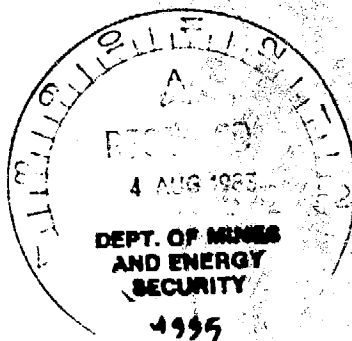
A review of available geophysical data has been carried out and a regional gravity survey will be carried out in the following quarter. Expenditure is as follows : -

Review and Planning of Geophysical Survey	\$1 000
Site Visit	250
	<u>\$1 250</u>

Yours faithfully

(M D O'Brien)  
SENIOR ENGINEER COAL RESOURCES

AM/ALS





# THE ELECTRICITY TRUST OF SOUTH AUSTRALIA

220 GREENHILL ROAD, EASTWOOD, SOUTH AUSTRALIA

0023

Postal Address: P.O. Box 6,

Eastwood, South Australia, 5063

Telegrams: Electrusa, Adelaide

Telephone: (08) 223 0383

Telex: 88 655

4 November 1983

Director-General  
South Australian Department  
of Mines and Energy  
191 Greenhill Road  
PARKSIDE SA 5063

Attention : Mr I Grant

Dear Sir

E.L. 1040 - WALLOWAY BASIN  
QUARTERLY REPORT - 27 September 1983

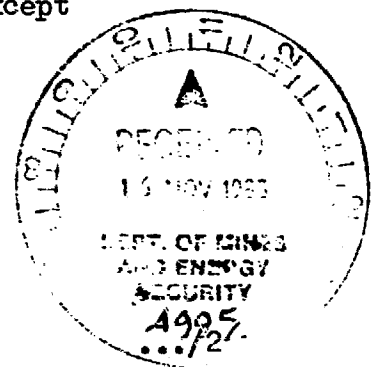
Over the past quarter the Trust has carried out a regional gravity survey over the northern section of the Walloway Basin. Results of this have been interpreted and presented in the enclosed report titled "Interpretation of a Gravity and Drilling Programme in the Walloway Basin, SA".

Expenditure over the past quarter has been as follows : -

Gravity Survey	\$7 180
Trust Expenses	\$3 100
	<hr/>
	\$10 280

Although the report recommends the drilling of five boreholes it has been decided not to proceed with the programme for a number of reasons : -

- . extreme depths to top of coal compared to other coal occurrences in SA,
- . insufficient area between existing drill holes for generation of adequate reserves, and
- . thin coal intersections in all reconnaissance holes except for WW1.

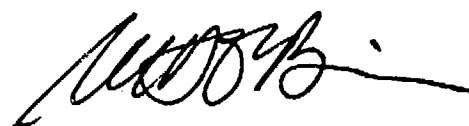


To Mr I GrantPage TwoDate 4 November 1983

The following information is enclosed : -

- . Report titled "Interpretation of a Gravity and Drilling Programme in the Walloway Basin, SA".
- . Magnetic tape containing gravity data (standard SAIME format).
- . Computer listings of gravity data.
- . Transparencies of regional gravity data, borehole locations and gravity profiles.

Yours faithfully



(M D O'Brien)  
SENIOR ENGINEER COAL RESOURCES

AM/ALS

THE ELECTRICITY TRUST OF SOUTH AUSTRALIA

INTERPRETATION OF A GRAVITY AND DRILLING  
PROGRAMME IN THE WALLOWAY BASIN, S.A.

C O N T E N T S

	<u>Page</u>
List of Figures and Appendices	
Abstract	
Description of the Area	1
Previous Investigations	1
Gravity Survey	1
Interpretation	2
Recommendations	4
References	5
Appendices	

FIGURES

- Figure 1 : Locality Plan
- Figure 2 : Borehole Location Plan
- Figure 3 : Composite Bouguer Gravity Map

APPENDICES

- Appendix 1 : Bouguer Gravity Profiles  
Bouguer Gravity Data  
Bouguer Gravity Station Location Plan

ABSTRACT

Comparison of four stratigraphic holes (WW1, SAIMB and WW2-WW5, ETSA) with two gravity surveys (SAIME southern half, ETSA northern half) shows the Walloway Basin to be asymmetrical in cross-section. Almost all Tertiary sedimentation appears to be confined to the western side by a (?) major basement fault central to the basin which subparallels the western faulted margin. A small extension to the basin exists in the northeast, and the entire basin is blanketed by Quaternary sediments.

Two structures interpreted from the gravity data may offer targets for coal that is slightly shallower than that intersected by SAIMB borehole WW1; an uplifted 'block' in the area of thickest sedimentation, and a narrow (?) fault controlled trough in the south of the area. Five boreholes are recommended; two to test these structures, two to investigate the thickest stratigraphic sequence and one to investigate the coal bearing potential of a northeastern extension of the basin.

### Description of the Area

The Walloway Basin is located 257 km north of Adelaide and approximately 80 km east of Port Augusta. The basin is approximately 50 km long and 16 km wide with the township of Orroroo located on the south-western margin (see Figure 1).

### Previous Investigations

In December 1981, a South Australian Department of Mines and Energy hydrogeological bore, Walloway No. 1 (WW1), intersected 23 m of Tertiary coal at a depth of 244 m (see Figure 2).

Previous interest in the basin has been groundwater oriented and the results of SAIMME hydrological investigations are detailed in reports by Sprigg (1949) and Hillwood (1964). SAIMME records indicate that over 300 water bores have been drilled in the basin but only 12 bores in the southern part of the basin have "useful lithological logs" (Kwitko 1980).

As part of the hydrogeological assessment of the area, the SAIMME carried out refraction seismic and gravity programmes to delineate the extent and thickness of sediment in the southern part of the basin. Detailed geophysical data are confined to the southern part of the basin and results are available in a report by Finlayson (1980).

Following the granting of E.L. 1040 on 26 September 1982, the Electricity Trust of South Australia drilled and geophysically logged four reconnaissance rotary boreholes at a spacing of 5 km in the northern part of the Walloway Basin (Figure 2). These holes, sited on water bore information, gravity profiles (after Sprigg 1949), and geological interpretation, were chosen to investigate the thickness of Tertiary sediments, coal occurrences, distribution of aquifers and provide control for future geophysical surveys. Two of these holes intersected coal and another intersected a significant artesian aquifer.

### Gravity Survey

A gravity survey, designed to interface with that conducted by the SAIMME (Finlayson 1980), completed a detailed picture of the basin's structure. This, in conjunction with data gathered from the reconnaissance drilling programme (and WW1), provides a framework on which to plan future work.

Gravity Survey      Cont'd

The gravity survey was carried out by Solo Geophysics and Co. between 29 July and 9 August 1983. Readings were taken at a 500 m spacing along five east-west roads and along the Main Orroroo-Johnburg road, while a 1 km spacing was used along a road which runs northeast from Orroroo, tying the eastern ends of the lines. All stations were optically levelled to an accuracy better than 0.070 m, and readings taken with a Lacoste-Romberg G556 gravity meter were accurate to 0.2  $\mu$ Galileos. Data were presented to ERTSA in the form of computer listings and a data location plan, single and stacked profiles at a density of 2.67 t/m<sup>3</sup>.

Interpretation

A composite Bouguer gravity contour map incorporating the present survey data and that produced by the SADME (Finlayson 1980) is shown in Figure 3. Locations and depths to basement in holes WW1-WW5 are shown. Other data from these holes are listed below (Table 1).

Table 1 - Borehole Data

Hole	Depth to Coal	Coal Thickness	Depth to Basement	T.D.
WW1	244	23	282	286
WW2	-	-	87	104
WW3	206	1	268	279
WW4	-	-	132	136
WW5	196.8	3	236	254

The structure of the Walloway Basin is clearly shown by the Bouguer gravity contour pattern. Outcropping Precambrian basement in the east is unconformably overlain by Tertiary and Quaternary sediments which thicken to the west. The western edge of the basin is fault bounded. Subsidence along a northwest trending fault or set of faults has given rise to a sub-basin which crosscuts the basin proper.

Interpretation      Cont'd

A zone of high gravitational gradient extending north-northeast from Orroroo most probably marks a major basement fault, west of which subsidence was more rapid. This is borne out by the rapid increase in depth to Precambrian basement across this feature, (to the east WW2, 87 m; WW4, 132 m, compared with WW3, 268 m; WW5, 236 m; WW1, 282 m, to the west). Of the five holes drilled, only those to the west of this feature intersected coal, or in fact any significant thickness of the lower, sandy Tertiary facies. (The 13.6 m of sandy facies in WW4 are probably of Tertiary age.) It appears as though most, if not all of the Tertiary sedimentation, was confined to the western side of the basin, with possible exceptions being the narrow (?) fault controlled sub-basin in the south and an extension to the main basin in the northeast. A Quaternary cover blankets the entire basin.

The remoteness of the Walloway Basin necessitates that a coal deposit be relatively thick, shallow and of good quality to compete with other deposits which are closer to population concentrations. The thickest coal in the basin is likely to occur with the thickest sediments which give rise to the large negative gravity anomalies in the west. The coal here is likely to be deeper than at any of the locations yet drilled and hence unattractive. Shallower coal marginal to these areas is likely to be correspondingly thinner such as in boreholes WW3 and WW5.

An exploration target which would satisfy the necessary requirements is a post-depositionally uplifted basement block within the area of thickest coal accumulation. Such an uplift would give rise to a positive gravity anomaly. The Bouguer gravity contours show such an anomaly associated with the intersection of the northwest fault zone with the western trough. The causative body of this anomaly would be about  $10 \text{ km}^2$  in area and about 230 m deep. Given that any coal on this structure were of similar configuration to that in hole WW1 immediately to the southwest, it would be about 200 m deep and 20 m thick. This would mean that about 200 million tonnes may exist here at a strip ratio of about 10:1. This strip ratio alone would make this deposit unattractive. However, if coal significantly thicker than that intersected by borehole WW1 occurs, a reduced strip ratio may be expected. With a Quaternary cover of at least 60 m over the deposit, a minimum strip ratio attainable on borehole information to date would be about 3:1.

Interpretation      Cont'd

Another structure worthy of consideration is the crosscutting narrow 'trough' in the south of the area. Thick accumulations of coal may occur at relatively shallow depth southeast of hole WW1 in this 'trough'.

A further area to be investigated is the northeastern extension of the major basin, as no borehole information is yet available.

Recommendations

It is recommended that : -

- . a borehole be sited at SADME shot point 713 (280 400 E, 6 389 100 N) to test for post depositional uplift and associated slightly shallower coal;
- . a borehole be sited about 2 km southeast of hole WW1 at SADME shot point 807 (281 980 E, 6 384 950 N) to investigate the narrow 'trough';
- . a borehole be sited at SADME shot point 337 (286 530 E, 6 376 560 N) to further investigate the above 'trough' structure if encouraging results are obtained with the previous hole;
- . a borehole be sited at each of SADME shot point 110 (275 650 E, 6 385 980 N) and ETSA gravity station 1012 (282 005 E, 6 396 050 N) to investigate the two areas of thickest Tertiary sequence;
- . a borehole be sited at ETSA gravity station 1144 (295 130 E, 6 404 650 N) to investigate the northeastern extension of the Walloway Basin.

REFERENCES

- BINKS, P. J., 1966 : Geology of the Orroroo 1:250 000 Area  
Rept. Invest. Geol. Surv. S. Aust. No. 36.
- ETSA, 1983 : E.L. 1040 Quarterly Report for Periods 26  
December 1982 - 26 March 1983 (unpub.).
- FINLAYSON, B., 1980 : Walloway Basin Seismic and Gravity Survey,  
S.A. Dept. Mines and Energy rept. 80/33  
(unpub.).
- KWITKO, G., 1982 : The Investigation of Tertiary Coal in the  
Walloway Basin, South Australia. S. Aust.  
Dept. Mines and Energy rept. 82/26.
- SPRIGG, R. G., 1949 : The Walloway Artesian Basin. S. Aust. Dept.  
Mines rept. 39/32 (unpub.).

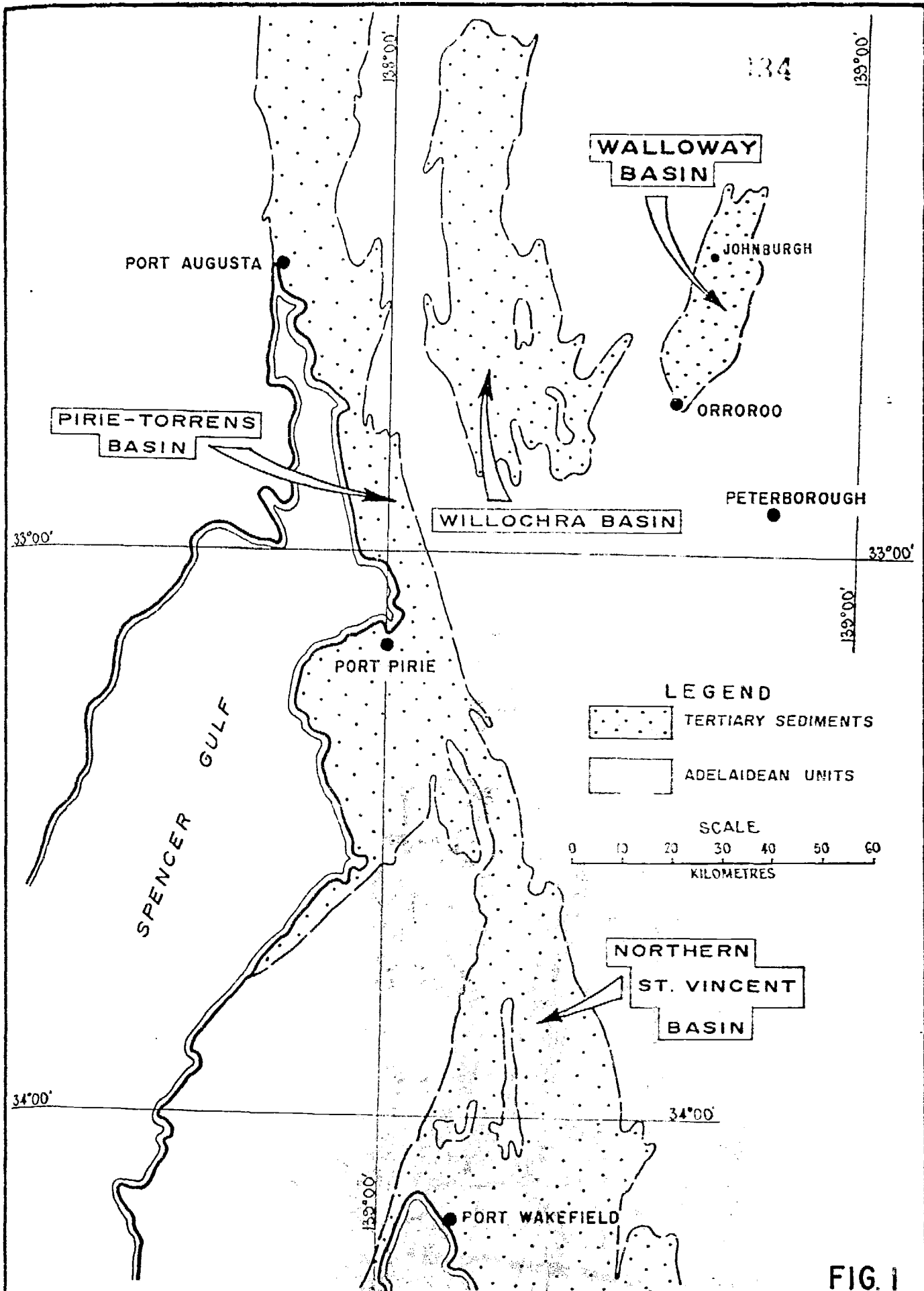


FIG. 1

DEPARTMENT OF MINES AND ENERGY  
SOUTH AUSTRALIA

WALLOWAY BASIN TERTIARY COAL INVESTIGATION  
LOCALITY PLAN

COMPILED  
G. Kwitko

DRAWN  
R. H.

DATE  
Mar. 1982

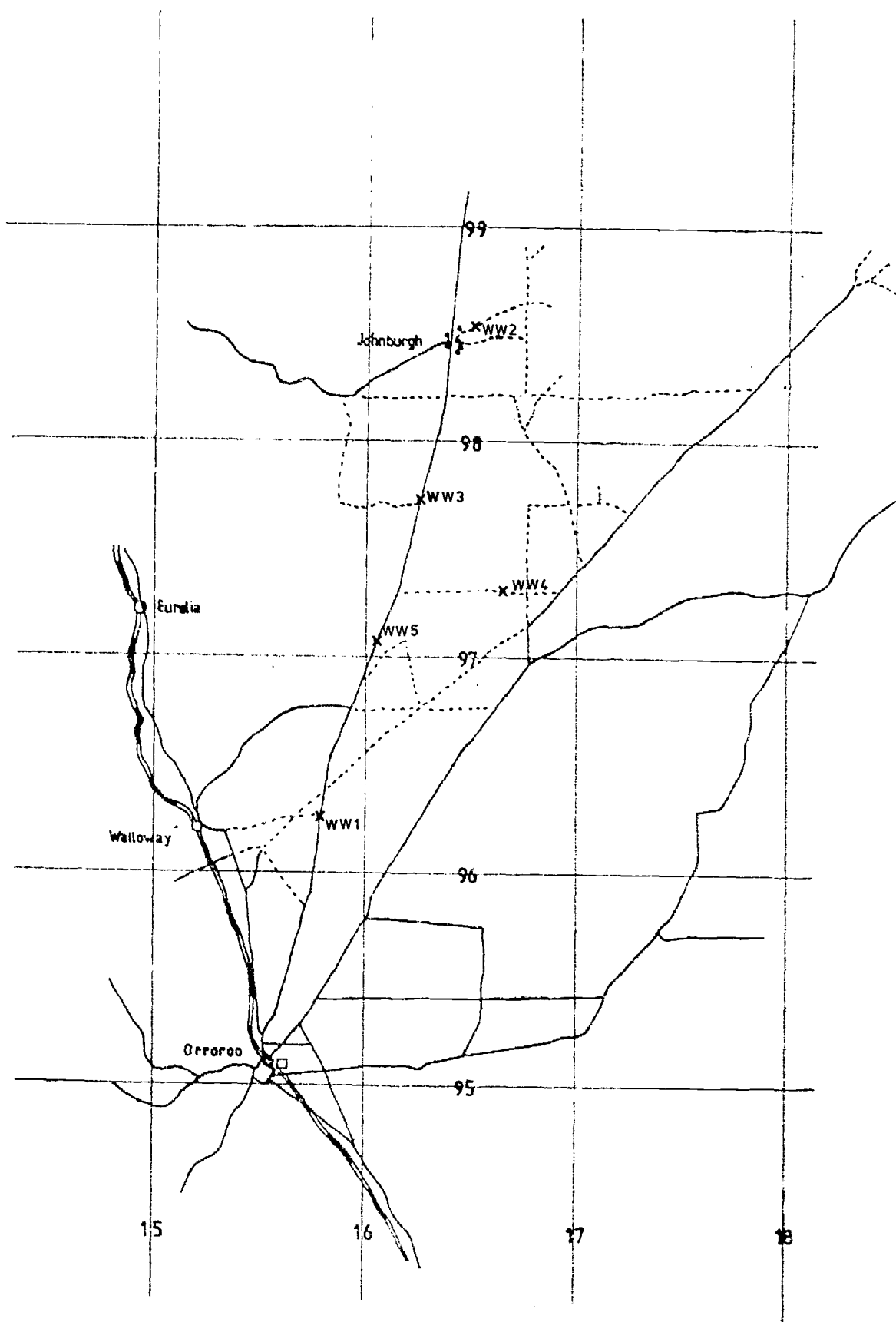
CHECKED

*MC*  
C.D.O. DATE

SCALE As shown

PLAN NUMBER

SIG101



DRN	K.A.S.		THE ELECTRICITY TRUST OF SOUTH AUSTRALIA	SCALE 1:250,000
CKD				
NSP			WALLOWAY BASIN BOREHOLE LOCATION PLAN	CRB FIG.2
AUTH				

APPENDIX I

# BOUGUER GRAVITY & ELEVATION PROFILES

6390000N

6392000N

6394000N

6396000N

6398000N

6400000N

6402000N

6404000N

6406000N

Line

2

6390000N

6392000N

6394000N

6396000N

6398000N

6400000N

6402000N

6404000N

6406000N

ELECTRICITY TRUST OF SOUTH AUSTRALIA  
ORROROO AND JOHNBURGH MID NORTH S.A.  
SOUTH FLINDERS RANGES

Map scale is 1: 50000

Elevation scale is 1: 20

Bouguer scale is 1: 1.00

Plotted at density 2.67 gm/cc

base value = 350 m

base value = -13 mgals

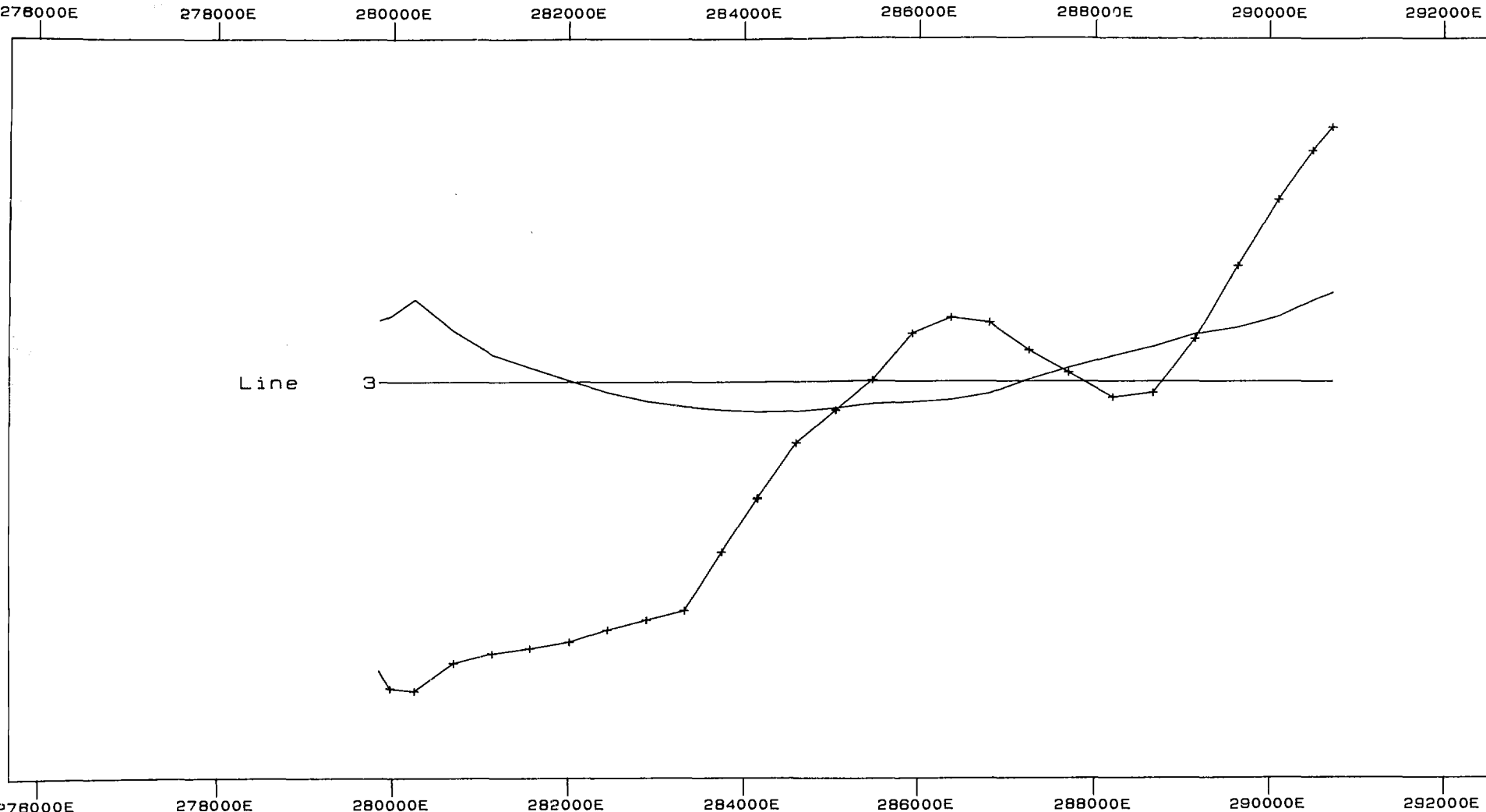


Scale : 1cm= 500m

Plotted by Solo Geophysics & Co on 1:36 PM TUE., 23 AUG., 1983  
Surveyed by Solo Geophysics & Co

0037

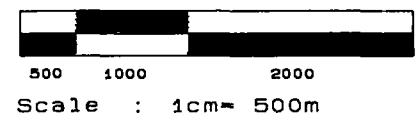
# BOUGUER GRAVITY & ELEVATION PROFILES



ELECTRICITY TRUST OF SOUTH AUSTRALIA  
 ORROROO AND JOHNBURGH MID NORTH S.A.  
 SOUTH FLINDERS RANGES

Map scale is 1: 50000  
 Elevation scale is 1: 20  
 Bouguer scale is 1: 1.00  
 Plotted at density 2.67 gm/cc

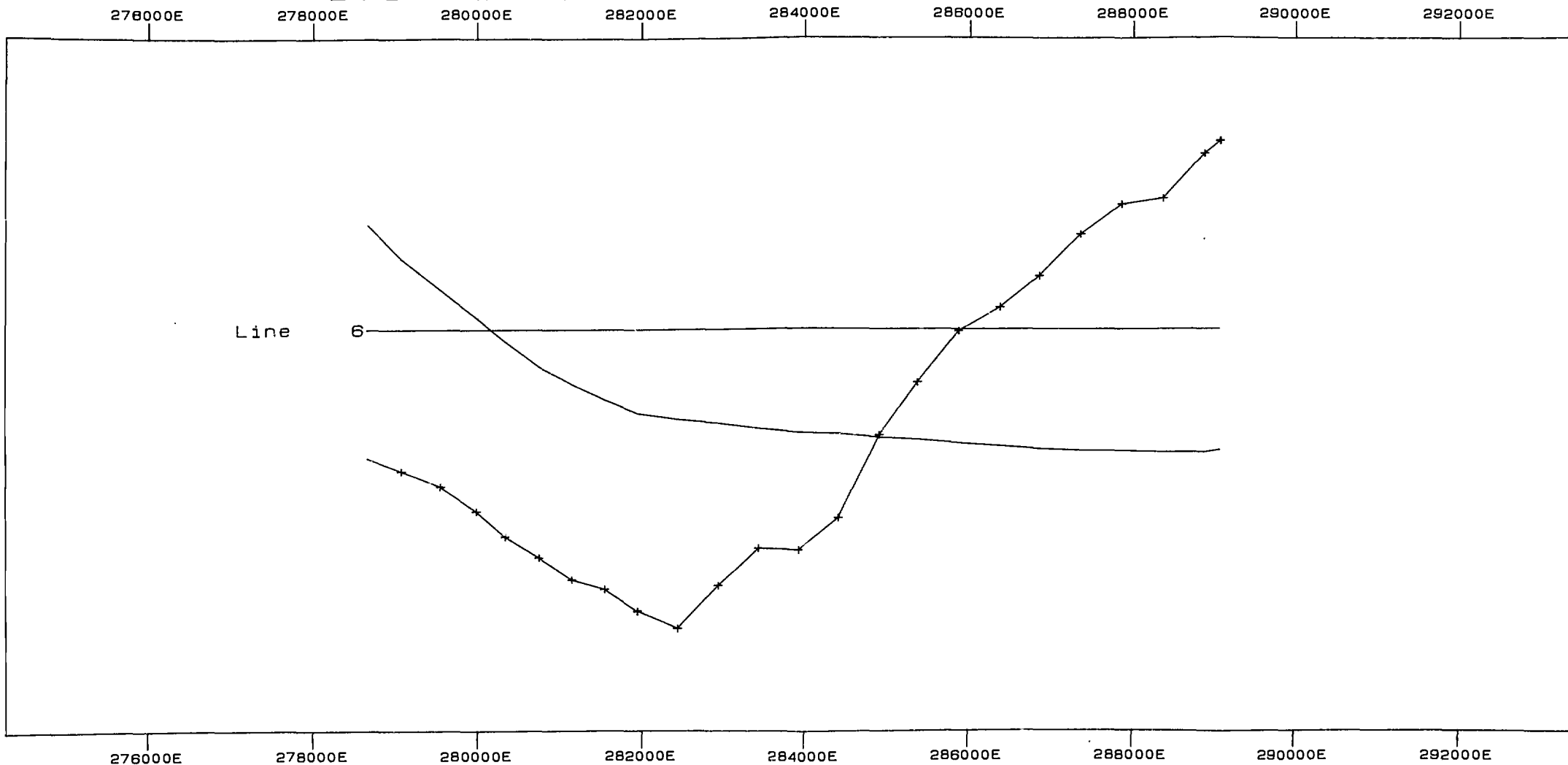
base value = 400 m  
 base value = -18 mgals



Plotted by Solo Geophysics & Co on 2:07 PM TUE., 23 AUG., 1983  
 Surveyed by Solo Geophysics & Co

0038

# BOUGUER GRAVITY & ELEVATION PROFILES



ELECTRICITY TRUST OF SOUTH AUSTRALIA  
 ORROROO AND JOHNBURGH MID NORTH S.A.  
 SOUTH FLINDERS RANGES

Map scale is 1: 50000

Elevation scale is 1: 20

Bouguer scale is 1: 1.00

Plotted at density 2.67 gm/cc

base value = 400 m

base value = -18 mgals



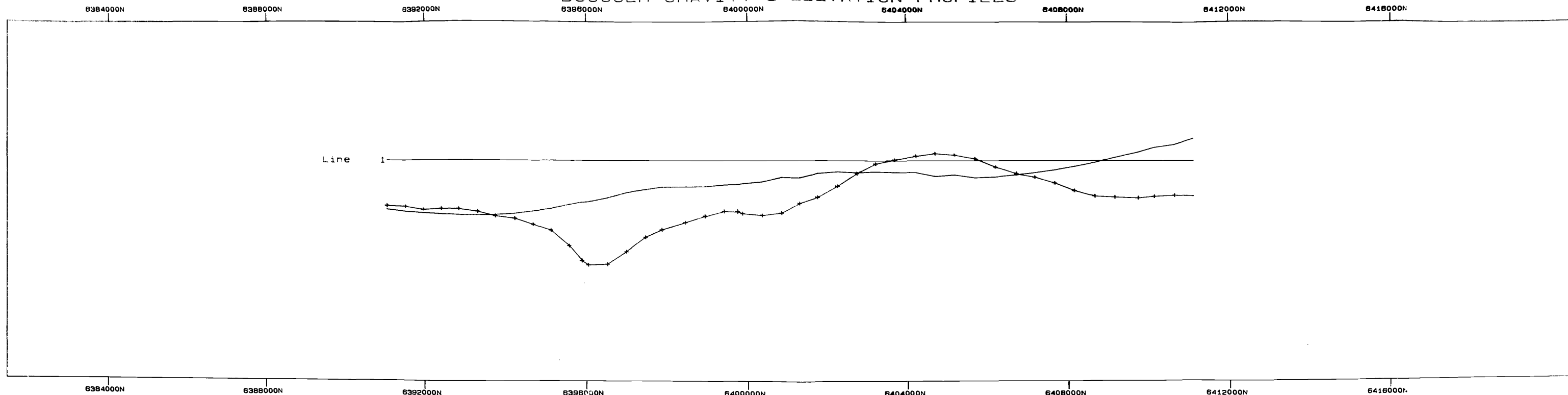
Scale : 1cm= 500m

Plotted by Solo Geophysics & Co on 2:13 PM TUE., 23 AUG., 1983

Surveyed by Solo Geophysics & Co

0039

# BOUGUER GRAVITY & ELEVATION PROFILES



ELECTRICITY TRUST OF SOUTH AUSTRALIA  
ORROORO AND JOHNBURGH MID NORTH S.A.  
SOUTH FLINDERS RANGES

Map scale is 1: 50000

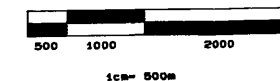
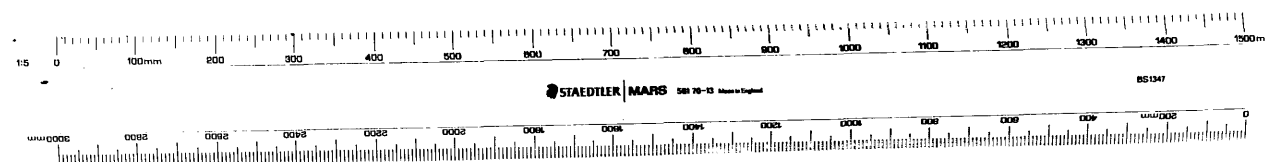
Elevation scale is 1: 20

Bouguer scale is 1: 1.00  
Plotted at density 2.67 gm/cc

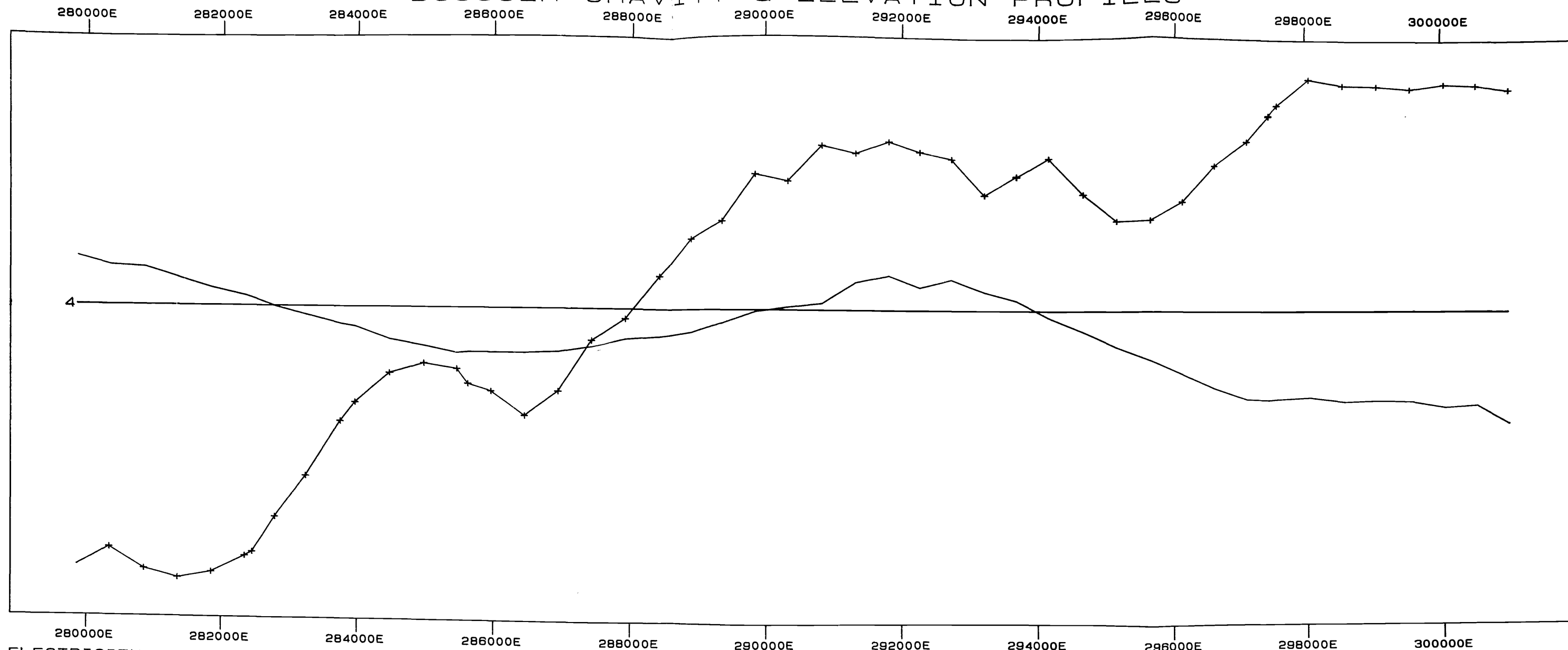
base value = 400 m  
base value = -20 mgals

Plotted by Solo Geophysics & Co on 12:18 AM TUE., 23 AUG., 1983  
Surveyed by Solo Geophysics & Co

4935-13



# BOUGUER GRAVITY & ELEVATION PROFILES



ELECTRICITY TRUST OF SOUTH AUSTRALIA  
ORROROO AND JOHNBURGH MID NORTH S.A.  
SOUTH FLINDERS RANGES

Map scale is 1: 50000

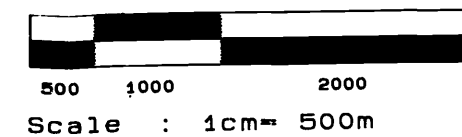
Elevation scale is 1: 20

Bouguer scale is 1: 1.00

Plotted at density 2.67 gm/cc

base value = 400 m

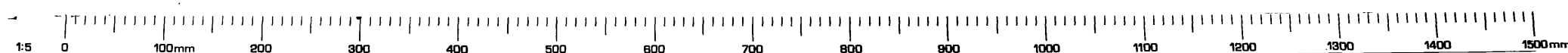
base value = -17 mgals



4995-14

Plotted by Solo Geophysics & Co on 12:31 AM TUE., 23 AUG., 1983

Surveyed by Solo Geophysics & Co

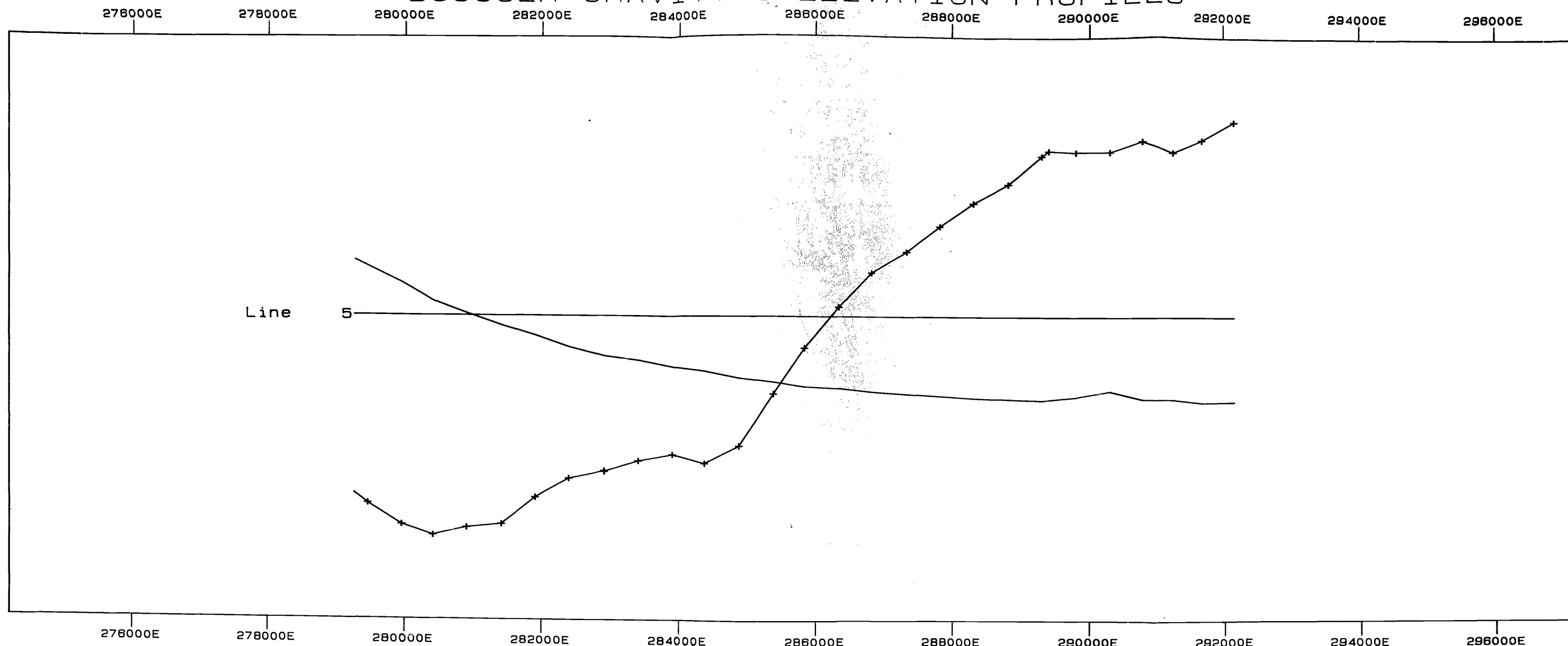


STAEDTLER MARS 561 70-13 Made in England

BS1347



# BOUGUER GRAVITY & ELEVATION PROFILES



ELECTRICITY TRUST OF SOUTH AUSTRALIA  
ORROROO AND JOHNBURGH MID NORTH S.A.  
SOUTH FLINDERS RANGES

Map scale is 1: 50000

Elevation scale is 1: 20

Bouguer scale is 1: 1.00

Plotted at density 2.67 gm/cc

base value = 400 m

base value = -18 mgals



Scale : 1cm = 500m

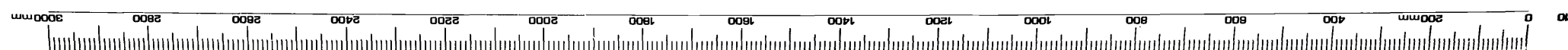
Plotted by Solo Geophysics & Co on 1:49 PM TUE., 23 AUG., 1983

Surveyed by Solo Geophysics & Co



STAEDTLER MARS 561 70-13 Made in England

BS1347



4995-15

# BOUGUER GRAVITY & ELEVATION PROFILES

276000E 280000E 284000E 288000E 292000E 296000E

Line

7

276000E

280000E

284000E

288000E

292000E

296000E

ELECTRICITY TRUST OF SOUTH AUSTRALIA  
ORROROO AND JOHNBURGH MID NORTH S.A.  
SOUTH FLINDERS RANGES

Map scale is 1: 50000

Elevation scale is 1: 20

Bouguer scale is 1: 1.00

Plotted at density 2.67 gm/cc

base value = 375 m

base value = -18 mlgals

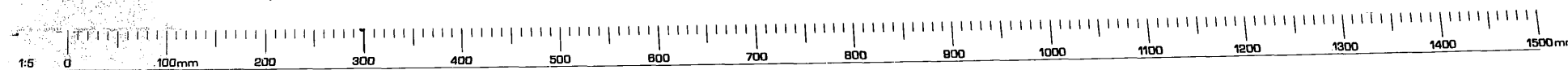


Scale : 1cm = 500m

Plotted by Solo Geophysics & Co on 2:18 PM TUE., 23 AUG., 1983

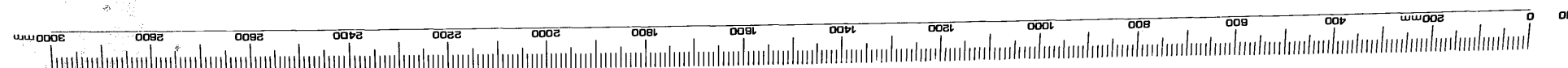
Surveyed by Solo Geophysics & Co

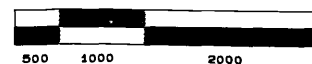
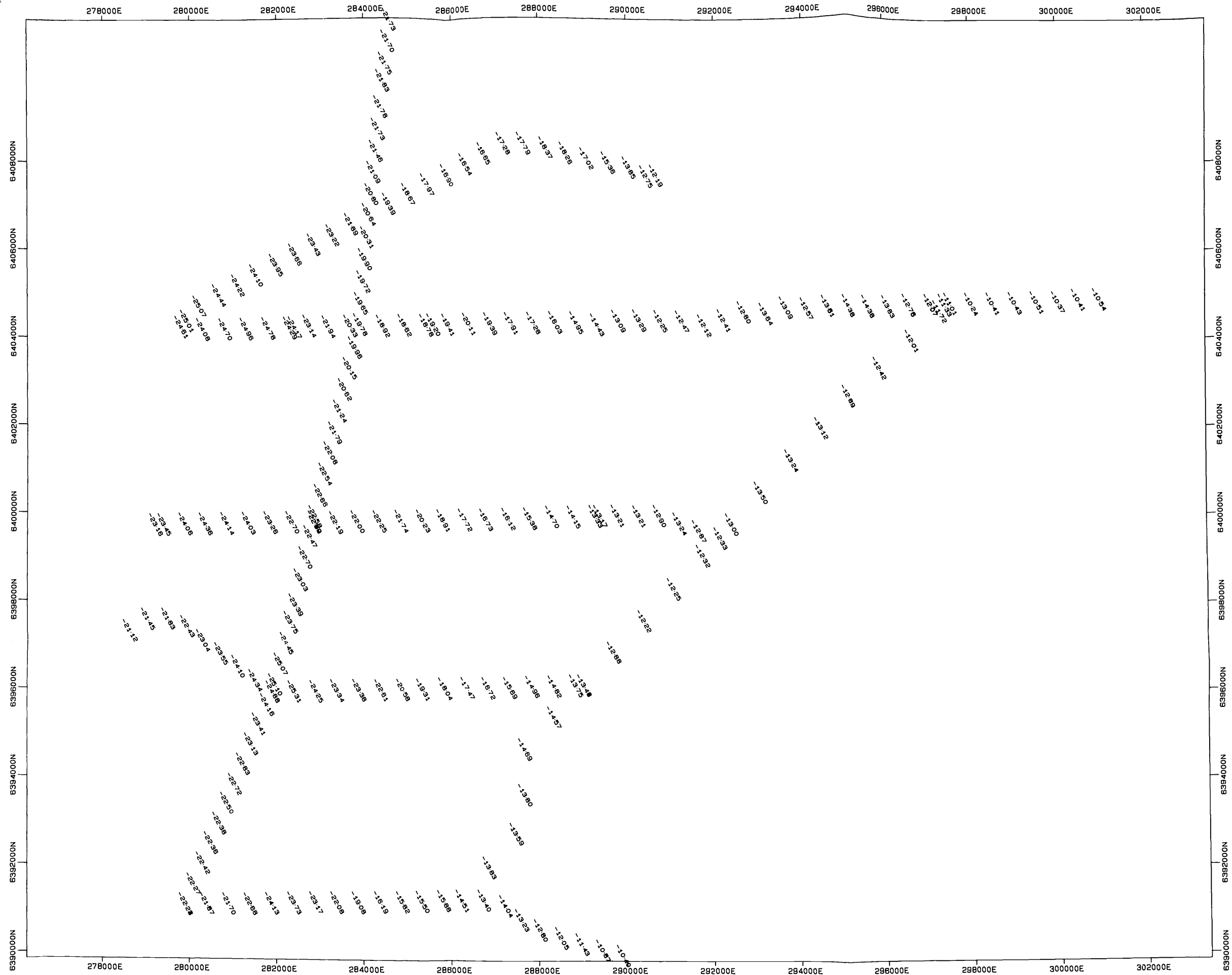
4995-16



STAEDTLER MARS 561 70-13 Made in England

BS1347



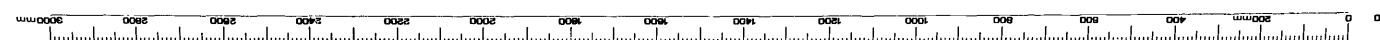


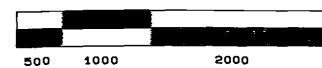
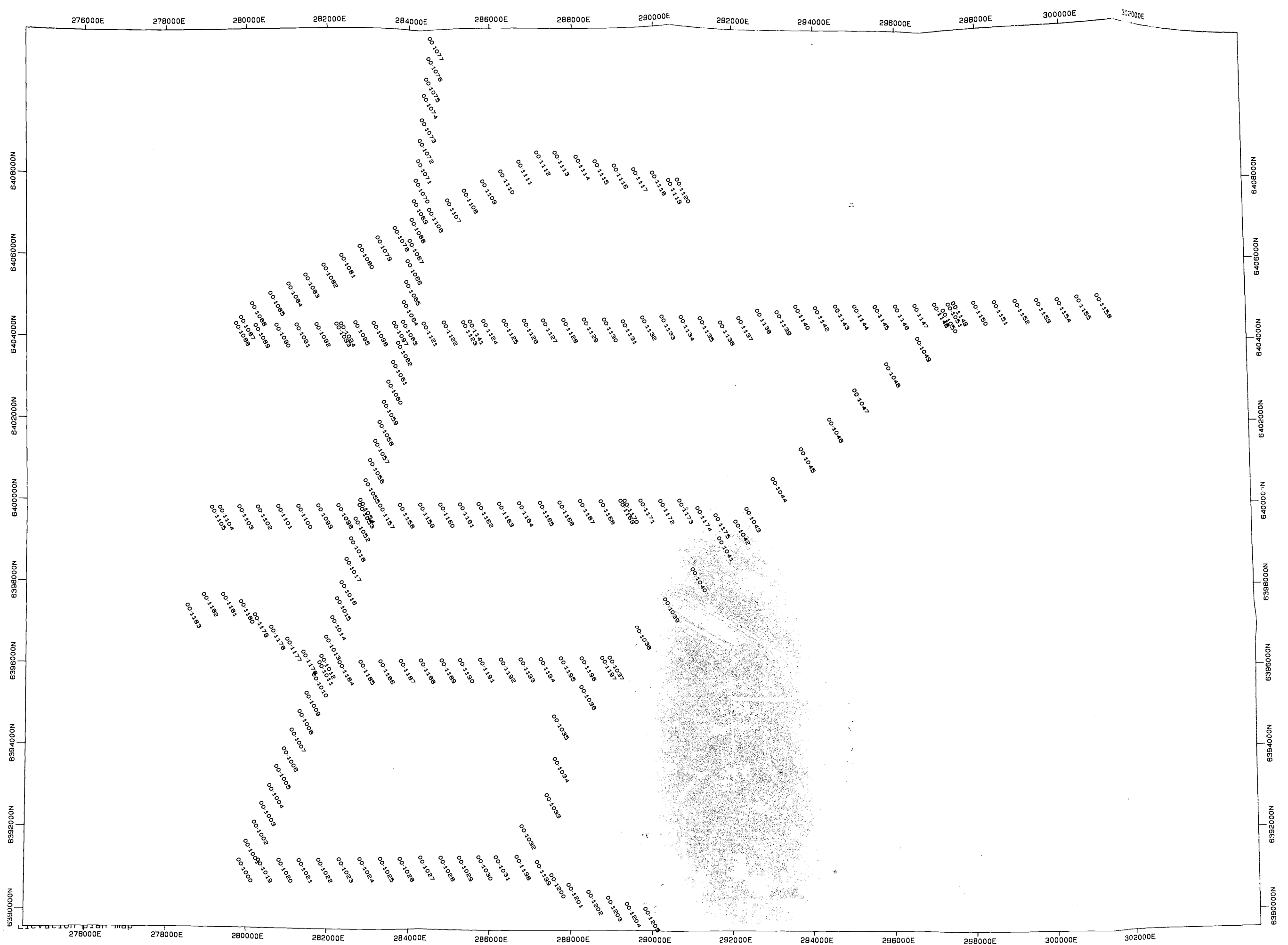
Scale 1:50000

ELECTRICITY TRUST OF SOUTH AUSTRALIA  
ORROROO AND JOHNBURGH MID NORTH S.A.  
SOUTH FLINDERS RANGES  
Sheet # 1 of 1

Job No. 0458 Bouguer gravity plotted at density 2.67

4995-17





Scale 1: 50000

ELECTRICITY TRUST OF SOUTH AUSTRALIA  
ORREROO AND JOHNBURGH MID NORTH S.A.  
SOUTH FLINDERS RANGES  
Sheet # 1 of 1



STAEDTLER MAPS 581 70-13 Made in England

881347

4995-18



SOLO GEOPHYSICS & Co

\*\*\*\*\*

\*\*\*\*\* DATA REDUCTION PARAMETERS \*\*\*\*\*

Client : ELECTRICITY TRUST OF SOUTH AUSTRALIA

Area : ORROROO AND JOHNBURGH MID NORTH S.A.

Grid : SOUTH FLINDERS RANGES

Time zone is 9.50

Grid rotation is 0.00 degrees

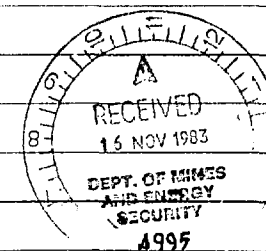
The Known Point of 32.4781 degrees Latitude and 138.7010 degrees Longitude is located  
at 6404230 Northing and 283960 Easting - Current grid coordinates (METERS)  
or 0.00 Northing and 0.00 Easting - Mercator coordinates

The Base Station observed gravity values are :

BASE	OBSERVED GRAVITY (mgals)
------	--------------------------

1	979452.980
2	979439.487

\*\*\*\*\*  
Computed on 2:23 PM THU., 11 AUG., 1983 Revision 0



# SOLO GEOPHYSICS & Co

\*\*\*\*\*

## Loop catalog

LOOP	DATE	METER	OPERATOR	COVERAGE
1	300783	561	R ANNETT	LINE 1 STATIONS 1000 TO 1018
2	300783	561	R ANNETT	LINE 7 AND LINE 2 STATIONS 1019 TO 1035
3	300783	561	R ANNETT	LINE 2 STATIONS 1036 TO 1051
4	300783	561	R ANNETT	LINE 1 STATIONS 1052 TO 1063
5	010883	561	R ANNETT	LINE 1 STATIONS 1064 TO 1077
6	010883	561	R ANNETT	LINE 3 AND LINE 4 STATIONS 1078 TO 1097
7	010883	561	R ANNETT	LINE 5 STATIONS 1098 TO 1105
8	010883	561	R ANNETT	LINE 3 STATIONS 1106 TO 1120
9	010883	561	R ANNETT	LINE 4 STATIONS 1121 TO 1140
10	020883	561	R ANNETT	LINE 4 STATIONS 1141 TO 1156
11	020883	561	R ANNETT	LINE 5 STATIONS 1157 TO 1175
12	020883	561	R ANNETT	LINE 6 STATIONS 1176 TO 1192
13	020883	561	R ANNETT	LINE 6 AND LINE 7 STATIONS 1193 TO 1205

0041

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLO GEOPHYSICS & Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\*\*\*\*

\*\* Loop No. 1 \*\*

\*\*\*\*\*

Coverage : LINE 1

STATIONS 1000 TO 1018

Loop time : 2.12 Drift rate : .005 Gravimeter # 561 Operator : R ANNETT

Loop drift : .011 Time zone : 9.500 Calib. Factor : 1.0087 Date : 300783

LINE ID	STAT. ID	GRID NORTH	GRID EAST	MERC. NORTH	MERC. EAST	METER READ.	TIME	ELEVAT. (METERS)	OBSERV. GRAV.	THEORET. GRAVITY	BOUGUER GRAVITY	2.10	2.30	2.50	2.67
---------	----------	------------	-----------	-------------	------------	-------------	------	------------------	---------------	------------------	-----------------	------	------	------	------

Base # 1

2975.14

807

979452.98

7	001000	0	0	6391040	279935	2976.07	832	351.91	979453.92	979545.36	-13.82	-16.77	-19.72	-22.23
1	001000	0	0	6391040	279935	2976.07	832	351.91	979453.92	979545.36	-13.82	-16.77	-19.72	-22.23
1	001001	0	0	6391500	280110	2976.10	837	349.82	979453.95	979545.03	-13.91	-16.85	-19.78	-22.27
1	001002	0	0	6391975	280320	2975.86	842	348.49	979453.70	979544.68	-14.10	-17.02	-19.94	-22.42
1	001003	0	0	6392435	280505	2975.76	846	347.57	979453.60	979544.34	-14.07	-16.98	-19.89	-22.37
1	001004	0	0	6392880	280700	2975.60	850	346.66	979453.44	979544.01	-14.10	-17.01	-19.91	-22.38
1	001005	0	0	6393350	280875	2975.13	855	346.68	979452.97	979543.66	-14.22	-17.13	-20.04	-22.51
1	001006	0	0	6393780	281060	2974.59	900	346.75	979452.42	979543.35	-14.44	-17.34	-20.25	-22.72
1	001007	0	0	6394245	281255	2973.87	904	348.12	979451.69	979543.01	-14.52	-17.44	-20.36	-22.84
1	001008	0	0	6394700	281450	2972.80	909	350.41	979450.61	979542.67	-14.76	-17.70	-20.63	-23.13
1	001009	0	0	6395150	281630	2971.69	914	352.97	979449.49	979542.34	-14.98	-17.94	-20.90	-23.42
1	001010	0	0	6395595	281820	2969.85	918	356.92	979447.64	979542.01	-15.64	-18.63	-21.62	-24.17
6	001011	0	0	6395895	281950	2968.50	923	359.08	979446.28	979541.79	-16.31	-19.32	-22.33	-24.88
1	001011	0	0	6395895	281950	2968.50	923	359.08	979446.28	979541.79	-16.31	-19.32	-22.33	-24.88
1	001012	0	0	6396050	282005	2968.08	928	359.53	979445.85	979541.68	-16.52	-19.53	-22.54	-25.11
1	001013	0	0	6396520	282120	2967.03	932	363.33	979444.79	979541.33	-16.39	-19.44	-22.48	-25.07
1	001014	0	0	6397000	282250	2966.27	936	368.57	979444.03	979540.98	-15.65	-18.74	-21.93	-24.46
1	001015	0	0	6397480	282350	2966.03	940	371.58	979443.78	979540.63	-14.88	-17.99	-21.11	-23.75
1	001016	0	0	6397880	282470	2965.63	944	373.98	979443.38	979540.33	-14.46	-17.59	-20.73	-23.39
1	001017	0	0	6398450	282590	2965.52	948	374.23	979443.27	979539.91	-14.09	-17.23	-20.37	-23.03
1	001018	0	0	6398950	282700	2965.40	953	374.64	979443.15	979539.55	-13.76	-16.90	-20.04	-22.71

Base # 1

2975.15

1014

979452.98

21 points printed

Computed on 2:23 PM THU., 11 AUG., 1983

Revision : 0

001018

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLO GEOPHYSICS & Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\*\*\*\*

\*\* Loop No. 2 \*\*

\*\*\*\*\*

Coverage : LINE 7 AND LINE 2

STATIONS 1019 TO 1035

Loop time : 1.92 Drift rate : -.021 Gravimeter # 561 Operator : R ANNETT

Loop drift : -.040 Time zone : 9.500 Calib. Factor : 1.0087 Date : 300783

LINE ID	STAT. ID	GRID NORTH	GRID EAST	MERC. NORTH	MERC. EAST	METER READ.	TIME	ELEVAT. (METERS)	OBSERV. GRAV.	THEORET. GRAVITY	BOUGUER GRAVITY			
											2.10	2.30	2.50	2.67

Base # 1

2975.15

1014

979452.98

7	001000	0	0	6391040	279935	2976.06	1028	351.91	979453.90	979545.36	-13.83	-16.78	-19.73	-22.24
1	001000	0	0	6391040	279935	2976.06	1028	351.91	979453.90	979545.36	-13.83	-16.78	-19.73	-22.24
7	001019	0	0	6391050	280420	2976.91	1032	349.34	979454.76	979545.36	-13.53	-16.46	-19.39	-21.88
7	001020	0	0	6391055	280920	2977.16	1036	348.93	979455.02	979545.35	-13.37	-16.29	-19.22	-21.70
7	001021	0	0	6391060	281420	2976.19	1041	348.89	979454.04	979545.35	-14.35	-17.27	-20.20	-22.68
7	001022	0	0	6391075	281915	2974.88	1044	348.15	979452.72	979545.34	-15.82	-18.74	-21.66	-24.14
7	001023	0	0	6391090	282415	2975.57	1049	346.60	979453.42	979545.33	-15.46	-18.36	-21.27	-23.74
7	001024	0	0	6391100	282915	2976.11	1059	346.60	979453.96	979545.32	-14.90	-17.81	-20.71	-23.18
7	001025	0	0	6391105	283410	2977.04	1104	347.38	979454.90	979545.32	-13.78	-16.70	-19.61	-22.08
7	001026	0	0	6391105	283900	2980.09	1108	346.96	979457.98	979545.32	-10.80	-13.71	-16.62	-19.09
7	001027	0	0	6391125	284400	2983.01	1113	346.59	979460.93	979545.30	-7.92	-10.82	-13.73	-16.20
7	001028	0	0	6391130	284900	2983.41	1116	346.43	979461.33	979545.30	-7.55	-10.45	-13.35	-15.82
7	001029	0	0	6391140	285360	2983.93	1120	345.34	979461.86	979545.29	-7.25	-10.15	-13.04	-15.50
7	001030	0	0	6391160	285840	2983.46	1124	345.72	979461.39	979545.28	-7.63	-10.53	-13.42	-15.89
2	001031	0	0	6391160	286260	2984.71	1128	346.28	979462.65	979545.28	-6.24	-9.14	-12.05	-14.51
7	001031	0	0	6391160	286260	2984.71	1128	346.28	979462.65	979545.28	-6.24	-9.14	-12.05	-14.51
2	001032	0	0	6391920	286880	2985.32	1134	343.75	979463.27	979544.72	-5.62	-8.50	-11.39	-13.84
2	001033	0	0	6392680	287500	2985.38	1139	341.82	979463.33	979544.16	-5.43	-8.29	-11.16	-13.59
2	001034	0	0	6393560	287700	2984.98	1144	339.51	979462.93	979543.51	-5.69	-8.54	-11.38	-13.80
2	001035	0	0	6394605	287690	2983.59	1149	338.18	979461.53	979542.74	-6.62	-9.45	-12.28	-14.69

Base # 1

2975.11

1209

979452.98

20 points printed

Computed on 2:23 PM THU., 11 AUG., 1983

Revision : 0

0040

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLO GEOPHYSICS & Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\*\*\*\*  
\*\* Loop No. 3 \*\*  
\*\*\*\*\*

Coverage : LINE 2

STATIONS 1036 TO 1051

Loop time : 2.05 Drift rate : -.015 Gravimeter # 561 Operator : R ANNETT

Loop drift : -.031 Time zone : 9.500 Calib. Factor : 1.0087 Date : 300783

LINE ID	STAT. ID	GRID NORTH	GRID EAST	MERC. NORTH	MERC. EAST	METER READ.	TIME	ELEVAT. (METERS)	OBSERV. GRAV.	THEORET. GRAVITY	BOUGUER GRAVITY	2.10	2.30	2.50	2.67
---------	----------	------------	-----------	-------------	------------	-------------	------	------------------	---------------	------------------	-----------------	------	------	------	------

Base # 1						2975.10	1240		979452.98						
2	001035	0	0	6394605	287690	2983.55	1257	338.18	979461.51	979542.74	-6.64	-9.47	-12.30	-14.71	
2	001036	0	0	6395330	288350	2983.08	1302	338.57	979461.03	979542.21	-6.49	-9.33	-12.16	-14.58	
6	001037	0	0	6396055	289050	2983.15	1305	341.17	979461.11	979541.67	-5.31	-8.17	-11.03	-13.46	
2	001037	0	0	6396055	289050	2983.15	1305	341.17	979461.11	979541.67	-5.31	-8.17	-11.03	-13.46	
2	001038	0	0	6396820	289720	2982.98	1309	342.12	979460.94	979541.11	-4.71	-7.58	-10.44	-12.89	
2	001039	0	0	6397540	290410	2982.89	1314	343.20	979460.85	979540.58	-4.03	-6.91	-9.78	-12.23	
2	001040	0	0	6398270	291100	2981.29	1320	348.52	979459.23	979540.05	-3.93	-6.85	-9.77	-12.26	
2	001041	0	0	6399015	291760	2979.99	1325	352.03	979457.92	979539.50	-3.92	-6.87	-9.82	-12.33	
5	001042	0	0	6399420	292160	2979.87	1329	351.08	979457.80	979539.20	-3.95	-6.89	-9.84	-12.34	
2	001042	0	0	6399420	292160	2979.87	1329	351.08	979457.80	979539.20	-3.95	-6.89	-9.84	-12.34	
2	001043	0	0	6399725	292430	2978.83	1333	351.88	979456.76	979538.98	-4.60	-7.55	-10.50	-13.01	
2	001044	0	0	6400450	293100	2976.39	1338	359.15	979454.30	979538.44	-4.92	-7.93	-10.94	-13.50	
2	001045	0	0	6401175	293790	2975.03	1343	364.70	979452.92	979537.91	-4.54	-7.59	-10.65	-13.25	
2	001046	0	0	6401900	294490	2974.71	1347	364.24	979452.60	979537.38	-4.43	-7.48	-10.53	-13.13	
2	001047	0	0	6402610	295125	2974.76	1351	362.53	979452.65	979536.86	-4.23	-7.27	-10.31	-12.89	
2	001048	0	0	6403250	295905	2974.87	1355	361.92	979452.77	979536.38	-3.78	-6.82	-9.85	-12.43	
2	001049	0	0	6403880	296690	2976.10	1401	355.34	979454.01	979535.92	-3.53	-6.51	-9.49	-12.02	
2	001050	0	0	6404550	297330	2976.96	1405	349.93	979454.88	979535.43	-3.36	-6.29	-9.23	-11.72	
4	001051	0	0	6404700	297450	2977.48	1410	348.66	979455.40	979535.32	-3.01	-5.93	-8.85	-11.33	
2	001051	0	0	6404700	297450	2977.48	1410	348.66	979455.40	979535.32	-3.01	-5.93	-8.85	-11.33	

Base # 1 2975.07 1443 979452.98

20 points printed

Computed on 2:23 PM THU., 11 AUG., 1983

Revision : 0

100

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLO GEOPHYSICS & Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\*\*\*\*  
\*\* Loop No. 4 \*\*  
\*\*\*\*\*

Coverage : LINE 1

STATIONS 1052 TO 1063

Loop time : 1.67 Drift rate : 0.000 Gravimeter # 561 Operator : R ANNETT

Loop drift : 0.000 Time zone : 9.500 Calib. Factor : 1.0087 Date : 300783

LINE ID	STAT. ID	GRID NORTH	GRID EAST	MERC. NORTH	MERC. EAST	METER READ.	TIME	ELEVAT. (METERS)	OBSERV. GRAV.	THEORET. GRAVITY	BOUGUER GRAVITY	2.10	2.30	2.50	2.67
---------	----------	------------	-----------	-------------	------------	-------------	------	------------------	---------------	------------------	-----------------	------	------	------	------

Base # 1						2975.07	1443	979452.98							
1	001018	0	0	6398950	282700	2965.30	1507	374.64	979443.13	979539.55	-13.78	-16.92	-20.06	-22.73	
1	001052	0	0	6399430	282810	2964.88	1512	376.28	979442.70	979539.19	-13.49	-16.64	-19.80	-22.48	
5	001053	0	0	6399760	282910	2964.54	1517	376.68	979442.36	979538.95	-13.50	-16.66	-19.81	-22.50	
1	001053	0	0	6399760	282910	2964.54	1517	376.68	979442.36	979538.95	-13.50	-16.66	-19.81	-22.50	
1	001054	0	0	6399880	282925	2964.21	1520	377.48	979442.03	979538.86	-13.57	-16.73	-19.90	-22.59	
1	001055	0	0	6400360	283050	2963.42	1525	379.34	979441.23	979538.51	-13.60	-16.78	-19.96	-22.66	
1	001056	0	0	6400850	283160	2962.33	1529	383.68	979440.13	979538.15	-13.38	-16.60	-19.82	-22.55	
1	001057	0	0	6401320	283285	2962.56	1532	383.08	979440.36	979537.80	-12.94	-16.15	-19.36	-22.09	
1	001058	0	0	6401775	283390	2961.66	1536	387.51	979439.45	979537.47	-12.53	-15.78	-19.03	-21.79	
1	001059	0	0	6402270	283500	2961.52	1540	389.15	979439.31	979537.10	-11.95	-15.21	-18.47	-21.25	
1	001060	0	0	6402760	283610	2961.95	1545	388.26	979439.75	979536.74	-11.35	-14.61	-17.86	-20.63	
1	001061	0	0	6403240	283725	2961.91	1549	389.06	979439.71	979536.39	-10.86	-14.12	-17.39	-20.16	
1	001062	0	0	6403710	283840	2961.85	1553	388.61	979439.65	979536.05	-10.68	-13.94	-17.19	-19.96	
4	001063	0	0	6404230	283960	2961.69	1559	388.38	979439.48	979535.66	-10.51	-13.76	-17.02	-19.79	
1	001063	0	0	6404230	283960	2961.69	1559	388.38	979439.48	979535.66	-10.51	-13.76	-17.02	-19.79	

Base # 1 2975.07 1623 979452.98

\*\*\*\*\*  
15 points printed Computed on 2:23 PM THU., 11 AUG., 1983 Revision : 0  
\*\*\*\*\*

0047

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

Location : ORROROD AND JOHNBURGH MID NORTH S.A.

Coverage : LINE 1

STATIONS 1064 TO 1077

Loop time : 1.15 Drift rate : 0.000 Gravimeter # 561 Operator : R ANNETT

Loop drift : 0.000 Time zone : 9.500 Calib. Factor : 1.0087 Date : 010883

SOLO GEOPHYSICS & Co.

\*\* Loop No. 5 \*\*

LINE ID	STAT. ID	GRID NORTH	GRID EAST	MERC. NORTH	MERC. EAST	METER READ.	TIME	ELEVAT. (METERS)	OBSERV. GRAV.	THEORET. GRAVITY	BOUGUER GRAVITY			
											2.10	2.30	2.50	2.67
Base # 2						2961.84	344		979439.49					
1	001064	0	0	6404710	283975	2962.34	349	384.67	979439.99	979535.31	-10.47	-13.69	-16.92	-19.66
1	001065	0	0	6405200	284030	2961.63	853	386.12	979439.28	979534.95	-10.50	-13.74	-16.98	-19.73
1	001066	0	0	6405710	284065	2961.63	957	383.29	979439.28	979534.58	-10.75	-13.97	-17.18	-19.91
1	001067	0	0	6406210	284110	2960.71	901	384.09	979438.35	979534.21	-11.14	-14.36	-17.58	-20.31
3	001068	0	0	6406730	284155	2959.62	906	386.04	979437.25	979533.83	-11.42	-14.66	-17.90	-20.65
1	001069	0	0	6406730	284155	2959.62	906	386.04	979437.25	979533.83	-11.42	-14.66	-17.90	-20.65
1	001069	0	0	6407190	284210	2958.70	911	388.21	979436.32	979533.49	-11.54	-14.79	-18.04	-20.81
1	001070	0	0	6407690	284255	2957.52	914	390.96	979435.13	979533.12	-11.75	-15.03	-18.31	-21.09
1	001071	0	0	6408170	284310	2956.11	918	394.52	979433.71	979532.77	-12.04	-15.34	-18.65	-21.46
1	001072	0	0	6408670	284355	2954.74	922	398.28	979432.33	979532.40	-12.22	-15.56	-18.90	-21.74
1	001073	0	0	6409170	284415	2953.41	927	402.99	979430.98	979532.04	-12.16	-15.53	-18.91	-21.73
1	001074	0	0	6409760	284460	2951.93	931	408.13	979429.49	979531.60	-12.00	-15.50	-18.93	-21.80
1	001075	0	0	6410150	284520	2950.81	935	412.81	979428.36	979531.32	-11.89	-15.35	-18.81	-21.65
1	001076	0	0	6410650	284580	2949.94	939	415.68	979427.48	979530.95	-11.77	-15.26	-18.74	-21.50
1	001077	0	0	6411140	284610	2948.36	943	421.81	979425.89	979530.59	-11.65	-15.19	-18.72	-21.43
4	001063	0	0	6404230	283960	2961.84	952	388.38	979439.49	979535.66	-10.50	-13.76	-17.02	-19.70
1	001063	0	0	6404230	283960	2961.84	952	388.38	979439.49	979535.66	-10.50	-13.76	-17.02	-19.70

Base # 2

2961.84

953

979439.49

17 points printed

Computed on 2:23 PM THU., 11 AUG., 1983

Revision : 0

0100

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLO GEOPHYSICS & Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\*\* Loop No. 6 \*\*\*  
\*\*\*\*\*

Coverage : LINE 3 AND LINE 4

STATIONS 1078 TO 1097

Loop time : 1.72 Drift rate : -.006 Gravimeter # 561 Operator : R ANNETT

Loop drift : -.010 Time zone : 9.500 Calib. Factor : 1.0087 Date : 010883

LINE ID	STAT. ID	GRID NORTH	GRID EAST	MERC. NORTH	MERC. EAST	METER READ.	TIME	ELEVAT. (METERS)	OBSERV. GRAV.	THEORET. GRAVITY	BOUGUER GRAVITY			
											2.10	2.30	2.50	2.67

Base # 2

2961.84

953

979439.49

3	001068	0	0	6406730	284155	2959.60	1009	386.04	979437.23	979533.83	-11.44	-14.68	-17.91	-20.66
1	001068	0	0	6406730	284155	2959.60	1009	386.04	979437.23	979533.83	-11.44	-14.68	-17.91	-20.66
3	001078	0	0	6406510	283750	2958.35	1013	387.01	979435.97	979533.99	-12.65	-15.89	-19.14	-21.90
3	001079	0	0	6406260	283325	2956.91	1016	388.59	979434.52	979534.17	-13.94	-17.19	-20.45	-23.22
3	001080	0	0	6406050	282890	2956.37	1020	391.04	979433.97	979534.33	-14.10	-17.37	-20.65	-23.44
3	001081	0	0	6405830	282450	2955.52	1024	395.04	979433.12	979534.49	-14.23	-17.54	-20.85	-23.67
3	001082	0	0	6405590	282020	2954.34	1028	400.55	979431.93	979534.67	-14.38	-17.74	-21.10	-23.95
3	001083	0	0	6405350	281570	2953.16	1032	406.72	979430.74	979534.84	-14.39	-17.80	-21.21	-24.10
3	001084	0	0	6405130	281140	2952.06	1036	412.58	979429.63	979535.00	-14.37	-17.82	-21.28	-24.22
3	001085	0	0	6404900	280700	2949.91	1040	423.34	979427.46	979535.17	-14.33	-17.88	-21.43	-24.44
3	001086	0	0	6404650	280250	2946.72	1044	437.44	979424.24	979535.36	-14.62	-18.29	-21.95	-25.07
3	001087	0	0	6404315	279975	2948.46	1048	430.07	979426.00	979535.60	-14.74	-18.34	-21.95	-25.07
3	001088	0	0	6404175	279850	2949.31	1053	428.25	979426.85	979535.71	-14.38	-17.97	-21.56	-24.61
4	001088	0	0	6404175	279850	2949.31	1053	428.25	979426.85	979535.71	-14.38	-17.97	-21.56	-24.61
4	001089	0	0	6404120	280340	2950.86	1059	423.18	979428.42	979535.75	-13.98	-17.53	-21.07	-24.09
4	001090	0	0	6404125	280850	2950.47	1103	422.02	979428.03	979535.74	-14.62	-18.16	-21.70	-24.70
4	001091	0	0	6404135	281350	2951.39	1107	415.96	979428.95	979535.73	-15.02	-18.51	-22.00	-24.96
4	001092	0	0	6404150	281850	2952.69	1111	410.15	979430.27	979535.72	-14.98	-18.42	-21.86	-24.78
4	001093	0	0	6404160	282340	2954.03	1115	405.70	979431.62	979535.72	-14.61	-18.01	-21.41	-24.30
4	001094	0	0	6404165	282450	2954.41	1119	404.33	979432.00	979535.71	-14.52	-17.91	-21.30	-24.18
4	001095	0	0	6404200	282790	2956.34	1123	399.57	979433.95	979535.69	-13.60	-16.95	-20.30	-23.14
4	001096	0	0	6404185	283240	2956.46	1127	394.86	979436.09	979535.70	-12.51	-15.82	-19.13	-21.94
4	001097	0	0	6404200	283740	2961.03	1130	389.78	979438.68	979535.69	-11.03	-14.29	-17.56	-20.34

Base # 2

2961.83

1136

979439.49

23 points printed

Computed on 2:23 PM THU., 11 AUG., 1983

Revision : 0

001097

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLO GEOPHYSICS & Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\* Loop No. 7 \*\*  
\*\*\*\*\*

Coverage : LINE 5

STATIONS 1098 TO 1105

Loop time : .93 Drift rate : -.011 Gravimeter # 561 Operator : R ANNETT

Loop drift : -.010 Time zone : 9.500 Calib. Factor 11.0087 Date : 010893

LINE ID	STAT. ID	GRID NORTH	GRID EAST	MERC. NORTH	MERC. EAST	METER READ.	TIME	ELEVAT. (METERS)	OBSERV. GRAV.	THEORET. GRAVITY	BOUGUER GRAVITY			
											2.10	2.30	2.50	2.67

Base # 2

2961.83

1136

979439.49

5	001053	0	0	6399760	282910	2964.67	1146	376.68	979442.35	979538.95	-13.50	-16.66	-19.82	-22.50
1	001053	0	0	6399760	282910	2964.67	1146	376.68	979442.35	979538.95	-13.50	-16.66	-19.82	-22.50
5	001098	0	0	6399750	282400	2963.48	1152	381.78	979441.15	979538.96	-13.59	-16.79	-19.99	-22.71
5	001099	0	0	6399740	281910	2961.63	1156	388.48	979439.29	979538.96	-13.98	-17.24	-20.49	-23.20
5	001100	0	0	6399725	281410	2959.74	1200	394.28	979437.38	979538.98	-14.62	-17.92	-21.23	-24.04
5	001101	0	0	6399715	280910	2958.30	1204	401.15	979435.93	979538.98	-14.56	-17.92	-21.29	-24.14
5	001102	0	0	6399700	280415	2956.71	1208	408.22	979434.33	979538.99	-14.62	-18.04	-21.46	-24.37
5	001103	0	0	6399700	279960	2954.98	1211	418.62	979432.58	979538.99	-14.07	-17.58	-21.08	-24.07
5	001104	0	0	6399680	279470	2953.74	1215	428.15	979431.33	979539.01	-13.23	-16.82	-20.41	-23.46
5	001105	0	0	6399675	279270	2953.30	1219	431.92	979430.89	979539.01	-12.84	-16.46	-20.08	-23.16

Base # 2

2961.82

1232

979439.49

10 points printed

Computed on 2:23 PM THU., 11 AUG., 1983

Revision : 0

00100

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

Coverage : LINE 3

STATIONS 1106 TO 1120

Loop time 11.43 Drift rate : -.021 Gravimeter # 561 Operator : R ANNETT

Loop drift :-.030 Time zone : 2.500 Calib. Factor 11.0087 Date : 010883

SOLO GEOPHYSICS & Co.

\*\*\*\*\*

\*\* Loop No. 8 \*\*

\*\*\*\*\*

LINE ID	STAT. ID	GRID NORTH	GRID EAST	MERC. NORTH	MERC. EAST	METER READ.	TIME	ELEVAT. (METERS)	GDSERV. GRAV.	THEORET. GRAVITY	BOUGUER GRAVITY			
											2.10	2.30	2.50	2.67
Base # 2						2961.80	1309		979439.49					
3	001060	0	0	6406230	284125	2959.57	1313	386.84	979437.34	979533.83	-11.43	-14.67	-17.90	-20.65
3	001068	0	0	6406730	284125	2959.57	1313	386.84	979437.34	979533.83	-11.43	-14.67	-17.90	-20.65
3	001106	0	0	6406970	284600	2960.60	1317	386.24	979438.29	979533.65	-10.17	-13.41	-16.64	-19.39
3	001107	0	0	6407200	285050	2960.90	1321	387.53	979438.58	979533.48	-9.41	-12.66	-15.91	-18.67
3	001108	0	0	6407420	285400	2961.05	1324	389.47	979438.74	979533.32	-8.67	-11.93	-15.20	-17.97
3	001109	0	0	6407650	285930	2961.79	1329	390.25	979439.48	979533.15	-7.93	-10.85	-14.13	-16.97
3	001110	0	0	6407890	286365	2961.74	1333	391.45	979439.44	979532.98	-7.19	-10.47	-13.75	-16.54
3	001111	0	0	6408125	286800	2960.90	1337	394.29	979438.59	979532.80	-7.24	-10.54	-13.05	-16.66
3	001112	0	0	6408350	287250	2958.60	1341	401.03	979436.47	979532.64	-7.70	-11.07	-14.43	-17.28
3	001113	0	0	6408350	287200	2957.24	1347	406.44	979434.98	979532.64	-8.08	-11.49	-14.89	-17.79
3	001114	0	0	6408250	288200	2955.70	1351	411.72	979433.35	979532.71	-8.54	-11.99	-15.44	-18.38
3	001115	0	0	6408140	288660	2955.05	1358	416.02	979432.70	979532.79	-8.33	-11.82	-15.30	-18.27
3	001116	0	0	6408025	289140	2955.26	1400	421.68	979432.91	979532.68	-6.95	-10.49	-14.02	-17.02
3	001117	0	0	6407930	289625	2956.40	1405	424.59	979434.06	979532.95	-5.23	-8.79	-12.34	-15.37
3	001118	0	0	6407830	290090	2957.81	1409	429.53	979434.68	979533.02	-3.59	-7.19	-10.79	-13.05
3	001119	0	0	6407625	290490	2956.83	1415	436.82	979434.50	979533.17	-2.32	-5.98	-9.64	-12.75
3	001120	0	0	6407620	290720	2956.69	1419	440.24	979434.36	979533.15	-1.60	-5.37	-9.06	-12.20

Base # 2

2961.77 1435

979439.49

17 points printed

Computed on 2123 PM THU., 11 AUG., 1983

Revision : 0

64

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLO GEOPHYSICS & Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\*\*\*\*  
\*\* Loop No. 9 \*\*  
\*\*\*\*\*

Coverage : LINE 4

STATIONS 1121 TO 1140

Loop time : 1.62 Drift rate : -.017 Gravimeter # 561 Operator : R ANNETT

Loop drift : -.027 Time zone : 9.500 Calib. Factor : 1.0087 Date : 010883

LINE ID	STAT. ID	GRID NORTH	GRID EAST	MERC. NORTH	MERC. EAST	METER READ.	TIME	ELEVAT. (METERS)	OBSERV. GRAV.	THEORET. GRAVITY	BOUGUER GRAVITY	2.10	2.30	2.50	2.67
Base # 2						2961.77	1435		979439.49						
4	001121	0	0	6404200	289470	2964.05	1441	381.17	979441.79	979535.89	-9.82	-13.01	-16.21	-18.92	
4	001122	0	0	6404220	289470	2965.01	1445	377.67	979442.76	979535.67	-9.60	-12.77	-15.94	-18.63	
4	001123	0	0	6404225	285465	2965.62	1448	373.73	979443.37	979535.67	-9.85	-12.99	-16.12	-18.78	
4	001124	0	0	6404250	285960	2964.86	1452	374.31	979442.61	979535.65	-10.47	-13.61	-16.75	-19.41	
4	001125	0	0	6404260	286450	2964.17	1456	374.25	979441.91	979535.64	-11.17	-14.31	-17.45	-20.11	
4	001126	0	0	6404265	286945	2964.72	1500	375.04	979442.47	979535.64	-10.44	-13.58	-16.73	-19.40	
4	001127	0	0	6404275	287420	2965.60	1504	378.01	979443.36	979535.63	-8.89	-12.06	-15.23	-17.92	
4	001128	0	0	6404285	287915	2965.31	1508	382.69	979443.07	979535.62	-8.14	-11.35	-14.56	-17.28	
4	001129	0	0	6404300	288410	2966.23	1512	384.24	979444.00	979535.61	-6.86	-10.08	-13.30	-16.04	
4	001130	0	0	6404300	288900	2965.78	1516	386.92	979444.55	979535.61	-5.71	-8.95	-12.20	-14.95	
4	001131	0	0	6404250	289375	2966.26	1521	392.40	979444.03	979535.65	-5.06	-8.35	-11.64	-14.44	
4	001132	0	0	6404340	289850	2966.23	1524	399.05	979444.00	979535.58	-3.56	-6.90	-10.25	-13.09	
4	001133	0	0	6404350	290325	2965.51	1528	401.67	979443.27	979535.58	-3.70	-7.06	-10.43	-13.29	
4	001134	0	0	6404340	290820	2966.10	1533	403.95	979443.87	979535.58	-2.61	-5.99	-9.38	-12.26	
4	001135	0	0	6404330	291310	2963.53	1537	416.05	979441.28	979535.59	-2.54	-6.02	-9.51	-12.47	
4	001136	0	0	6404240	291810	2963.17	1541	420.02	979440.92	979535.66	-2.09	-5.61	-9.13	-12.12	
4	001137	0	0	6404350	292260	2964.11	1546	413.29	979441.87	979535.58	-2.54	-6.01	-9.47	-12.41	
4	001138	0	0	6404535	292730	2962.88	1551	417.91	979440.63	979535.44	-2.63	-6.13	-9.63	-12.61	
4	001139	0	0	6404500	293220	2963.26	1556	410.82	979441.01	979535.47	-3.83	-7.27	-10.72	-13.65	
4	001140	0	0	6404635	293675	2964.64	1600	405.92	979442.41	979535.37	-3.42	-6.62	-10.22	-13.12	

Base # 2 2961.74 1612 979439.49

20 points printed

Computed on 2:23 PM THU., 11 AUG., 1983

Revision : 0

0050

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLO GEOPHYSICS & Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\*\*\*\*  
\*\* Loop No. 10 \*\*  
\*\*\*\*\*

Coverage : LINE 4

STATIONS 1141 TO 1156

Loop time : 11.75 Drift rate : .012 Gravimeter # 561 Operator : R ANNETT

Loop drift : .021 Time zone : 7.500 Calib. Factor : 1.0087 Date : 020883

LINE ID	STAT. ID	GRID NORTH	GRID EAST	MERC. NORTH	MERC. EAST	METER READ.	TIME	ELEVAT. (METERS)	OBSERV. GRAV.	THEORET. GRAVITY	BOUGUER GRAVITY 2.10 2.30 2.50 2.67			
Base # 2						2961.83	856		979439.49					
4	001141	0	0	6404240	295625	2965.14	901	374.30	979442.83	979535.66	-10.27	-13.40	-16.54	-19.21
4	001140	0	0	6404635	293675	2964.75	912	405.92	979442.43	979535.37	-3.40	-6.80	-10.20	-13.09
4	001142	0	0	6404605	294150	2967.17	916	396.26	979444.87	979535.39	-3.11	-6.43	-9.75	-12.59
4	001143	0	0	6404650	294650	2967.69	920	388.13	979445.39	979535.36	-4.35	-7.60	-10.85	-13.62
4	001144	0	0	6404650	295130	2968.61	924	379.49	979446.32	979535.36	-5.32	-8.50	-11.69	-14.39
4	001145	0	0	6404650	295630	2970.05	928	372.23	979447.77	979535.36	-5.47	-8.59	-11.71	-14.37
4	001146	0	0	6404660	296125	2972.15	932	364.14	979449.89	979535.35	-5.13	-8.19	-11.24	-13.83
4	001147	0	0	6404690	296625	2974.79	936	355.82	979452.55	979535.33	-4.28	-7.27	-10.25	-12.78
4	001148	0	0	6404700	297125	2976.78	940	349.18	979454.56	979535.32	-3.74	-6.66	-9.59	-12.09
4	001051	0	0	6404700	297450	2977.64	944	348.66	979455.43	979535.32	-2.98	-5.91	-8.83	-11.31
2	001051	0	0	6404700	297450	2977.64	944	348.66	979455.43	979535.32	-2.98	-5.91	-8.83	-11.31
4	001149	0	0	6404725	297575	2977.84	949	349.06	979455.63	979535.30	-2.68	-5.60	-8.53	-11.01
4	001150	0	0	6404720	298060	2978.42	953	350.01	979456.21	979535.30	-1.89	-4.82	-7.75	-10.25
4	001151	0	0	6404725	298560	2978.73	957	347.54	979456.52	979535.30	-2.12	-5.03	-7.94	-10.42
4	001152	0	0	6404740	299060	2978.59	1002	348.10	979456.38	979535.29	-2.12	-5.04	-7.96	-10.44
4	001153	0	0	6404750	299560	2978.60	1006	347.60	979456.39	979535.28	-2.22	-5.13	-8.04	-10.52
4	001154	0	0	6404760	300050	2979.37	1011	344.33	979457.17	979535.28	-2.15	-5.04	-7.93	-10.38
4	001155	0	0	6404810	300525	2979.08	1015	345.45	979456.87	979535.24	-2.16	-5.06	-7.95	-10.42
4	001156	0	0	6404825	301000	2981.01	1020	334.84	979458.82	979535.23	-2.55	-5.35	-8.16	-10.55

Base # 2 2961.85 1041 979439.49

\*\*\*\*\*

19 points printed Computed on 2:23 PM THU., 11 AUG., 1983 Revision : 0

0051

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

Coverage : LINE 5

STATIONS 1157 TO 1175

Loop time : 2.18 Drift rate : -.009 Gravimeter # 561 Operator : R ANNETT

Loop drift : -.021 Time zone : 9.500 Calib. Factor : 1.0087 Date : 020883

SOLO GEOPHYSICS & Co.

\*\*\*\*\*

\*\* Loop No. 11 \*\*

\*\*\*\*\*

LINE ID	STAT. ID	GRID NORTH	GRID EAST	MERC. NORTH	MERC. EAST	METER READ.	TIME	ELEVAT. (METERS)	OBSERV. GRAV.	THEORET. GRAVITY	BOUGUER GRAVITY	2.10	2.30	2.50	2.67
---------	----------	------------	-----------	-------------	------------	-------------	------	------------------	---------------	------------------	-----------------	------	------	------	------

Base # 2

2961.85

1041

979439.49

5	001053	0	0	6399760	282910	2964.71	1049	376.68	979442.37	979538.95	-13.48	-16.64	-19.80	-22.48
1	001053	0	0	6399760	282910	2964.71	1049	376.68	979442.37	979538.95	-13.48	-16.64	-19.80	-22.48
5	001157	0	0	6399750	283410	2965.46	1056	374.34	979443.13	979538.96	-13.25	-16.39	-19.53	-22.19
5	001158	0	0	6399770	283900	2966.36	1100	370.60	979444.04	979538.94	-13.15	-16.26	-19.37	-22.01
5	001159	0	0	6399785	284390	2966.55	1105	368.31	979444.23	979538.93	-13.45	-16.54	-19.63	-22.25
5	001160	0	0	6399790	284890	2967.81	1109	364.42	979445.50	979538.93	-13.04	-16.09	-19.15	-21.74
5	001161	0	0	6399800	285385	2969.73	1115	362.21	979447.44	979538.92	-11.58	-14.62	-17.65	-20.23
5	001162	0	0	6399810	285845	2971.55	1126	359.55	979449.28	979538.91	-10.32	-13.34	-16.35	-18.91
5	001163	0	0	6399825	286340	2972.89	1129	358.63	979450.63	979538.90	-9.16	-12.17	-15.17	-17.73
5	001164	0	0	6399835	286825	2974.25	1133	356.65	979452.00	979538.89	-8.22	-11.21	-14.20	-16.74
5	001165	0	0	6399850	287340	2975.10	1137	355.35	979452.86	979538.88	-7.64	-10.61	-13.59	-16.12
5	001166	0	0	6399860	287825	2976.05	1142	354.22	979453.82	979538.88	-6.92	-9.89	-12.86	-15.38
5	001167	0	0	6399900	288325	2976.92	1147	353.04	979454.70	979538.85	-6.27	-9.23	-12.19	-14.71
5	001168	0	0	6399900	288825	2977.59	1152	352.38	979455.37	979538.85	-5.74	-8.69	-11.65	-14.16
5	001169	0	0	6399915	289320	2978.52	1157	351.76	979456.31	979538.84	-4.93	-7.88	-10.82	-13.33
5	001170	0	0	6399915	289425	2978.57	1202	352.27	979456.36	979538.84	-4.76	-7.72	-10.67	-13.18
5	001171	0	0	6399925	289815	2978.23	1206	353.79	979456.02	979538.83	-4.76	-7.73	-10.69	-13.22
5	001172	0	0	6399915	290300	2977.57	1210	357.23	979455.36	979538.84	-4.68	-7.67	-10.67	-13.21
5	001173	0	0	6399925	290775	2978.74	1215	352.72	979456.54	979538.83	-4.48	-7.44	-10.40	-12.91
5	001174	0	0	6399750	291235	2978.59	1220	352.46	979456.39	979538.96	-4.82	-7.77	-10.73	-13.24
5	001175	0	0	6399575	291675	2979.44	1223	350.62	979457.25	979539.09	-4.50	-7.44	-10.37	-12.87
5	001042	0	0	6399420	292160	2980.00	1229	351.03	979457.81	979539.20	-3.95	-6.90	-9.84	-12.34
2	001042	0	0	6399420	292160	2980.00	1229	351.03	979457.81	979539.20	-3.95	-6.90	-9.84	-12.34

Base # 2

2961.83

1252

979439.49

23 points printed

Computed on 2:23 PM THU., 11 AUG., 1983

Revision : 0

0050

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLO GEOPHYSICS & Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\* Loop No. 12 \*\*

Coverage : LINE 6

STATIONS 1176 TO 1192

Loop time : 1.88 Drift rate : -.027 Gravimeter # 561 Operator : R ANNETT

Loop drift : -.051 Time zone : 9.500 Calib. Factor : 1.0087 Date : 020883

LINE ID	STAT. ID	GRID NORTH	GRID EAST	MERC. NORTH	MERC. EAST	METER READ.	TIME	ELEVAT. (METERS)	OBSERV. GRAV.	THEORET. GRAVITY	BOUGUER GRAVITY			
											2.10	2.30	2.50	2.67
Base # 2						2961.83	1329		979439.49					
6	001011	0	0	6395895	281950	2968.54	1339	359.08	979446.26	979541.79	-16.32	-19.33	-22.34	-24.90
1	001011	0	0	6395895	281950	2968.54	1339	359.08	979446.26	979541.79	-16.32	-19.33	-22.34	-24.90
6	001176	0	0	6396150	281550	2967.64	1344	365.57	979445.35	979541.60	-15.61	-18.67	-21.74	-24.34
6	001177	0	0	6396460	281150	2966.20	1348	373.00	979443.90	979541.38	-15.19	-18.32	-21.45	-24.10
6	001178	0	0	6396750	280750	2964.86	1352	381.58	979442.55	979541.16	-14.44	-17.64	-20.83	-23.55
6	001179	0	0	6397050	280340	2962.66	1355	394.30	979440.34	979540.94	-13.63	-16.93	-20.24	-23.05
6	001180	0	0	6397375	279990	2960.77	1400	405.89	979438.43	979540.70	-12.74	-16.14	-19.54	-22.43
6	001181	0	0	6397550	279550	2958.61	1406	419.35	979436.26	979540.57	-11.81	-15.33	-18.84	-21.83
6	001182	0	0	6397540	279075	2956.12	1410	434.07	979433.75	979540.58	-11.08	-14.72	-18.36	-21.45
6	001183	0	0	6397265	278660	2953.34	1415	451.00	979430.94	979540.78	-10.35	-14.13	-17.92	-21.13
6	001184	0	0	6395900	282440	2968.67	1429	356.19	979446.41	979541.79	-16.80	-19.79	-22.77	-25.31
6	001185	0	0	6395910	282940	2970.09	1433	354.24	979447.65	979541.78	-15.77	-18.76	-21.73	-24.25
6	001190	0	0	6395960	285380	2976.52	1435	346.18	979454.33	979541.74	-11.05	-13.95	-16.85	-19.32
6	001186	0	0	6395925	283430	2971.51	1438	351.51	979449.28	979541.77	-14.95	-17.89	-20.84	-23.35
6	001187	0	0	6395935	283930	2971.85	1443	349.49	979449.63	979541.76	-15.04	-17.97	-20.90	-23.39
6	001188	0	0	6395940	284420	2972.74	1447	348.83	979450.53	979541.76	-14.28	-17.21	-20.13	-22.62
6	001189	0	0	6395950	284920	2975.07	1451	347.17	979452.88	979541.75	-12.29	-15.20	-18.11	-20.58
6	001191	0	0	6395975	285880	2978.09	1501	344.48	979455.93	979541.73	-9.81	-12.70	-15.59	-18.04
6	001192	0	0	6395985	286380	2978.92	1506	343.07	979456.77	979541.73	-9.28	-12.15	-15.03	-17.47

Base # 2

2961.78

1522

979439.49

19 points printed

Computed on 2:23 PM THU., 11 AUG., 1983

Revision : 0

0053

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLO GEOPHYSICS & Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\*\*\*\*  
\*\* Loop No. 13 \*\*  
\*\*\*\*\*

Coverage : LINE 6 AND LINE 7

STATIONS 1193 TO 1205

Loop time : 2.02 Drift rate : -.023 Gravimeter # 561 Operator : R ANNETT

Loop drift : -.046 Time zone : 9.500 Calib. Factor : 1.0087 Date : 020883

LINE ID	STAT. ID	GRID NORTH	GRID EAST	MERC. NORTH	MERC. EAST	METER READ.	TIME	ELEVAT. (METERS)	OBSERV. GRAV.	THEORET. GRAVITY	BOUGUER GRAVITY	2.10	2.30	2.50	2.67
---------	----------	------------	-----------	-------------	------------	-------------	------	------------------	---------------	------------------	-----------------	------	------	------	------

Base # 2

2961.78

1522

979439.49

6	001192	0	0	6395985	286380	2978.91	1539	343.07	979456.77	979541.73	-9.28	-12.15	-15.03	-17.47
6	001193	0	0	6395990	286860	2979.92	1543	341.68	979457.79	979541.72	-8.56	-11.42	-14.29	-16.72
6	001194	0	0	6396000	287360	2981.08	1546	340.88	979458.96	979541.71	-7.56	-10.41	-13.27	-15.70
6	001195	0	0	6396025	287860	2981.83	1551	340.68	979459.72	979541.70	-6.82	-9.68	-12.53	-14.96
6	001196	0	0	6396035	288360	2982.06	1555	340.17	979459.96	979541.69	-6.69	-9.55	-12.40	-14.82
6	001197	0	0	6396050	288860	2983.11	1559	340.14	979461.02	979541.68	-5.63	-8.48	-11.33	-13.76
6	001037	0	0	6396055	289050	2983.21	1604	341.17	979461.12	979541.67	-5.30	-8.16	-11.02	-13.45
2	001037	0	0	6396055	289050	2983.21	1604	341.17	979461.12	979541.67	-5.30	-8.16	-11.02	-13.45
2	001031	0	0	6391160	286260	2984.70	1614	346.28	979462.63	979545.28	-6.26	-9.17	-12.07	-14.54
7	001031	0	0	6391160	286260	2984.70	1614	346.28	979462.63	979545.28	-6.26	-9.17	-12.07	-14.54
7	001198	0	0	6391175	286760	2985.51	1619	347.83	979463.45	979545.27	-5.09	-8.01	-10.92	-13.40
7	001199	0	0	6391050	287260	2984.46	1623	350.38	979462.39	979545.36	-5.68	-8.62	-11.55	-14.05
7	001200	0	0	6390730	287625	2984.34	1627	356.35	979462.27	979545.59	-4.72	-7.70	-10.69	-13.23
7	001201	0	0	6390500	288045	2983.76	1637	362.35	979461.69	979545.76	-4.14	-7.18	-10.22	-12.80
7	001202	0	0	6390325	288520	2983.17	1642	369.79	979461.09	979545.89	-3.23	-6.32	-9.42	-12.06
7	001203	0	0	6390180	289000	2982.50	1647	376.95	979460.42	979546.00	-2.43	-5.59	-8.75	-11.43
7	001204	0	0	6390040	289470	2981.50	1652	385.44	979459.41	979546.10	-1.66	-4.89	-8.13	-10.87
7	001205	0	0	6389925	289925	2980.77	1657	391.97	979458.68	979546.19	-1.04	-4.33	-7.61	-10.41

Base # 1

2975.11

1723

979452.98

18 points printed

Computed on 2:23 PM THU., 11 AUG., 1983

Revision : 0

Total points printed for current selection - 242

0003

# CUMMULATIVE BASE INFORMATION

BASE	DATE	NORTHING	EASTING	STATION ID	TIE	COMMENTS
------	------	----------	---------	------------	-----	----------

1	301783	0	0	000000	0	DEPT OF LANDS BM 3525 NORTH ORROROO
2	311783	6404230	283960	001063	1	DEPT OF LANDS BM 7660 SOUTH JOHNBURGH

## TIE INFORMATION

Base	Gravity	Time
1	2975.13	959
2	2961.80	1024
1	2975.17	1050
2	2961.79	1116
1	2975.17	1143

0055

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\*\*\*\*  
\*\* Line ID 1 \*\*  
\*\*\*\*\*

Grid : SOUTH FLINDERS RANGES

No.	STATION ID	GRID NORTH	GRID EAST	ELEVATION	LOOP No.	RPTS	BOUGUER GRAVITY (gms/cc)									
							1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7
1	001009	6391040	279935	351.91	1		-9.397	-10.871	-12.346	-13.821	-15.296	-16.771	-18.246	-19.721	-21.195	-22.670
2	001060	6391040	279935	351.91	2	****	-9.409	-10.884	-12.359	-13.834	-15.309	-16.784	-18.258	-19.733	-21.208	-22.683
3	001001	6391500	280110	349.82	1		-9.515	-10.981	-12.448	-13.914	-15.380	-16.846	-18.312	-19.778	-21.244	-22.710
4	001002	6391975	280320	348.49	1		-9.718	-11.179	-12.639	-14.100	-15.560	-17.021	-18.482	-19.942	-21.403	-22.863
5	001003	6392435	280505	347.57	1		-9.696	-11.152	-12.609	-14.066	-15.522	-16.979	-18.436	-19.892	-21.349	-22.806
6	001004	6392880	280700	346.66	1		-9.742	-11.195	-12.648	-14.100	-15.553	-17.006	-18.459	-19.912	-21.365	-22.818
7	001005	6393350	280875	346.68	1		-9.866	-11.319	-12.772	-14.225	-15.678	-17.131	-18.583	-20.036	-21.489	-22.942
8	001006	6393780	281060	346.75	1		-10.078	-11.532	-12.985	-14.438	-15.891	-17.345	-18.798	-20.251	-21.704	-23.157
9	001007	6394245	281255	348.12	1		-10.143	-11.602	-13.061	-14.520	-15.979	-17.438	-18.897	-20.356	-21.814	-23.273
10	001008	6394700	281450	350.41	1		-10.354	-11.823	-13.291	-14.760	-16.228	-17.697	-19.165	-20.634	-22.103	-23.571
11	001009	6395150	281630	352.97	1		-10.546	-12.025	-13.505	-14.984	-16.463	-17.943	-19.422	-20.901	-22.380	-23.860
12	001010	6395595	281820	356.92	1		-11.154	-12.650	-14.146	-15.642	-17.137	-18.633	-20.129	-21.625	-23.121	-24.617
13	001011	6395895	281950	359.08	1		-11.792	-13.297	-14.802	-16.307	-17.811	-19.316	-20.821	-22.326	-23.831	-25.336
14	001011	6395895	281950	359.08	12	****	-11.808	-13.313	-14.818	-16.323	-17.827	-19.332	-20.837	-22.342	-23.847	-25.352
15	001012	6396050	282005	359.53	1		-11.997	-13.503	-15.010	-16.517	-18.024	-19.531	-21.037	-22.544	-24.051	-25.558
16	001013	6396520	282120	363.33	1		-11.825	-13.347	-14.870	-16.393	-17.916	-19.438	-20.961	-22.484	-24.007	-25.529
17	001014	6397000	282250	368.57	1		-11.017	-12.562	-14.106	-15.651	-17.196	-18.740	-20.285	-21.830	-23.374	-24.919
18	001015	6397480	282350	371.58	1		-10.205	-11.762	-13.319	-14.876	-16.434	-17.991	-19.548	-21.106	-22.663	-24.220
19	001016	6397880	282470	373.98	1		-9.754	-11.322	-12.889	-14.456	-16.024	-17.591	-19.159	-20.726	-22.293	-23.861
20	001017	6398450	282590	374.23	1		-9.388	-10.957	-12.525	-14.093	-15.662	-17.230	-18.799	-20.367	-21.935	-23.504
21	001018	6398950	282700	374.64	1		-9.046	-10.616	-12.187	-13.757	-15.327	-16.897	-18.467	-20.037	-21.607	-23.177
22	001018	6398950	282700	374.64	4	****	-9.069	-10.639	-12.209	-13.779	-15.349	-16.919	-18.489	-20.059	-21.629	-23.200
23	001052	6399430	282810	376.28	4		-8.757	-10.334	-11.911	-13.488	-15.064	-16.641	-18.218	-19.795	-21.372	-22.949
24	001053	6399760	282910	376.68	7		-8.768	-10.347	-11.926	-13.504	-15.083	-16.662	-18.240	-19.819	-21.398	-22.976
25	001053	6399760	282910	376.68	11	****	-8.749	-10.328	-11.906	-13.485	-15.064	-16.642	-18.221	-19.800	-21.378	-22.957
26	001053	6399760	282910	376.68	4	****	-8.763	-10.342	-11.921	-13.499	-15.078	-16.657	-18.235	-19.814	-21.393	-22.971
27	001054	6399880	282925	377.48	4		-8.822	-10.404	-11.986	-13.568	-15.150	-16.732	-18.314	-19.896	-21.478	-23.060
28	001055	6400360	283050	379.34	4		-8.832	-10.422	-12.012	-13.601	-15.191	-16.781	-18.371	-19.961	-21.551	-23.140
29	001056	6400850	283160	383.68	4		-8.560	-10.168	-11.776	-13.384	-14.992	-16.600	-18.208	-19.816	-21.424	-23.032
30	001057	6401320	283285	383.08	4		-8.122	-9.728	-11.333	-12.938	-14.544	-16.149	-17.755	-19.360	-20.966	-22.571
31	001058	6401775	283390	387.51	4		-7.662	-9.286	-10.911	-12.535	-14.159	-15.783	-17.407	-19.031	-20.655	-22.279
32	001059	6402270	283500	389.15	4		-7.057	-8.688	-10.319	-11.950	-13.581	-15.212	-16.843	-18.474	-20.105	-21.736
33	001060	6402760	283610	388.26	4		-6.471	-8.098	-9.725	-11.352	-12.979	-14.607	-16.234	-17.861	-19.488	-21.115
34	001061	6403240	283725	389.06	4		-5.972	-7.603	-9.233	-10.864	-12.494	-14.125	-15.755	-17.386	-19.016	-20.647
35	001062	6403710	283840	388.81	4		-5.792	-7.421	-9.049	-10.678	-12.307	-13.935	-15.564	-17.193	-18.821	-20.450
36	001063	6404230	283960	388.38	4		-5.625	-7.253	-8.881	-10.508	-12.136	-13.764	-15.392	-17.019	-18.647	-20.275
37	001063	6404230	283960	388.38	5	****	-5.622	-7.250	-8.877	-10.505	-12.133	-13.760	-15.388	-17.016	-18.643	-20.271
38	001064	6404710	283975	384.67	5		-5.630	-7.243	-8.855	-10.467	-12.079	-13.691	-15.303	-16.915	-18.528	-20.140
39	001065	6405200	284030	386.12	5		-5.648	-7.266	-8.885	-10.503	-12.121	-13.739	-15.358	-16.976	-18.594	-20.212
40	001066	6405710	284065	383.29	5		-5.933	-7.540	-9.146	-10.752	-12.359	-13.965	-15.572	-17.178	-18.784	-20.391
41	001067	6406210	284110	384.09	5		-6.308	-7.918	-9.527	-11.137	-12.747	-14.356	-15.966	-17.576	-19.186	-20.795
42	001068	6406730	284155	386.04	5		-6.570	-8.188	-9.806	-11.424	-13.042	-14.660	-16.278	-17.896	-19.513	-21.131
43	001068	6406730	284155	386.04	6	***	-6.589	-8.207	-9.825	-11.442	-13.060	-14.678	-16.296	-17.914	-19.532	-21.150
44	001068	6406730	284155	386.04	8	****	-6.579	-8.197	-9.815	-11.433	-13.051	-14.669	-16.287	-17.904	-19.522	-21.140
45	001069	6407190	284210	388.21	5		-6.654	-8.281	-9.908	-11.535	-13.162	-14.789	-16.416	-18.043	-19.670	-21.297
46	001070	6407690	284255	390.96	5		-6.836	-8.475	-10.113	-11.752	-13.390	-15.029	-16.667	-18.306	-19.944	-21.583
47	001071	6408170	284310	394.52	5		-7.076	-8.730	-10.383	-12.037	-13.690	-15.343	-16.997	-18.650	-20.304	-21.957
48	001072	6408670	284355	398.28	5		-7.214	-8.883	-10.553	-12.222	-13.891	-15.560	-17.229	-18.899	-20.568	-22.237
49	001073	6409170	284415	402.99	5		-7.090	-8.779	-10.468	-12.157	-13.846	-15.535	-17.224	-18.913	-20.602	-22.291

0056

50	001074	6409760	284460	408.13	5	-6.952	-8.662	-10.373	-12.083	-13.794	-15.504	-17.215	-18.925	-20.636	-22.346
51	001075	6410150	284520	412.81	5	-6.704	-8.434	-10.164	-11.895	-13.625	-15.355	-17.085	-18.815	-20.545	-22.275
52	001076	6410650	284580	415.68	5	-6.546	-8.288	-10.030	-11.772	-13.514	-15.256	-16.998	-18.740	-20.482	-22.225
53	001077	6411140	284610	421.81	5	-6.350	-8.118	-9.886	-11.654	-13.422	-15.189	-16.957	-18.725	-20.493	-22.261

\*\*\*\*\*

53 points printed

Computed on 2:39 PM THU., 11 AUG., 1983

Revision : 0

0057

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLD GEOPHYSICS & Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\*\*\*\*  
\*\* Line ID 2 \*\*  
\*\*\*\*\*

Grid : SOUTH FLINDERS RANGES

No.	STATION ID	GRID NORTH	GRID EAST	ELEVATION	LOOP No.	RPTS	BOUGUER GRAVITY (gms/cc)									
							1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7
1	001031	6391160	286260	346.28	2		-1.888	-3.339	-4.790	-6.241	-7.693	-9.144	-10.595	-12.046	-13.498	-14.949
2	001031	6391160	286260	346.28	13	****	-1.910	-3.361	-4.813	-6.264	-7.715	-9.166	-10.618	-12.069	-13.520	-14.971
3	001032	6391920	286880	343.75	2		-1.301	-2.742	-4.183	-5.623	-7.064	-8.505	-9.945	-11.386	-12.827	-14.267
4	001033	6392680	287500	341.82	2		-1.129	-2.562	-3.994	-5.427	-6.859	-8.292	-9.725	-11.157	-12.590	-14.022
5	001034	6393560	287700	339.51	2		-1.422	-2.845	-4.268	-5.691	-7.114	-8.537	-9.960	-11.382	-12.805	-14.228
6	001035	6394605	287690	338.18	2		-2.364	-3.781	-5.198	-6.616	-8.033	-9.450	-10.867	-12.285	-13.702	-15.119
7	001035	6394605	287690	338.18	3	****	-2.383	-3.800	-5.218	-6.635	-8.052	-9.470	-10.887	-12.304	-13.722	-15.139
8	001036	6395330	288350	338.57	3		-2.231	-3.650	-5.069	-6.488	-7.907	-9.326	-10.745	-12.164	-13.583	-15.002
9	001037	6396055	289050	341.17	3		-1.021	-2.450	-3.880	-5.310	-6.740	-8.170	-9.600	-11.030	-12.459	-13.889
10	001037	6396055	289050	341.17	13	****	-1.006	-2.436	-3.866	-5.296	-6.726	-8.156	-9.585	-11.015	-12.445	-13.875
11	001038	6396820	289720	342.12	3		-1.407	-1.841	-3.274	-4.708	-6.142	-7.576	-9.010	-10.444	-11.877	-13.311
12	001039	6397540	290410	343.20	3		.285	-1.153	-2.592	-4.030	-5.468	-6.907	-8.345	-9.783	-11.222	-12.660
13	001040	6398270	291100	348.52	3		.450	-1.011	-2.471	-3.932	-5.393	-6.853	-8.314	-9.775	-11.235	-12.696
14	001041	6399015	291760	352.03	3		.506	-.969	-2.444	-3.920	-5.395	-6.870	-8.346	-9.821	-11.296	-12.772
15	001042	6399420	292160	351.08	3		.462	-1.009	-2.481	-3.952	-5.423	-6.895	-8.366	-9.838	-11.309	-12.780
16	001042	6399420	292160	351.03	11	****	.459	-1.012	-2.483	-3.955	-5.426	-6.897	-8.368	-9.839	-11.310	-12.782
17	001043	6399725	292430	351.88	3		-.175	-1.650	-3.124	-4.599	-6.074	-7.549	-9.023	-10.498	-11.973	-13.448
18	001044	6400450	293100	359.15	3		-.407	-1.912	-3.417	-4.922	-6.427	-7.933	-9.438	-10.943	-12.448	-13.953
19	001045	6401175	293790	364.70	3		.049	-1.479	-3.008	-4.536	-6.065	-7.593	-9.122	-10.650	-12.179	-13.708
20	001046	6401900	294490	364.24	3		.153	-1.373	-2.900	-4.426	-5.953	-7.479	-9.006	-10.532	-12.059	-13.585
21	001047	6402610	295125	362.53	3		.328	-1.192	-2.711	-4.230	-5.750	-7.269	-8.788	-10.308	-11.827	-13.347
22	001048	6403250	295905	361.92	3		.768	-.749	-2.266	-3.783	-5.300	-6.816	-8.333	-9.850	-11.367	-12.884
23	001049	6403880	296690	355.34	3		.939	-.551	-2.040	-3.529	-5.018	-6.508	-7.997	-9.486	-10.975	-12.465
24	001050	6404550	297330	349.93	3		1.038	-.425	-1.895	-3.362	-4.838	-6.315	-7.791	-9.268	-10.744	-12.221
25	001051	6404700	297450	348.66	3		1.378	-.083	-1.545	-3.004	-4.467	-5.929	-7.390	-8.851	-10.312	-11.773
26	001051	6404700	297450	348.66	10	****	1.401	-.061	-1.522	-2.983	-4.444	-5.906	-7.367	-8.828	-10.289	-11.750

\*\*\*\*\*

26 points printed

Computed on 2:39 PM THU., 11 AUG., 1983

Revision : 0

0056

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLO GEOPHYSICS & Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\*\*\*\*

\*\* Line ID 3 \*\*

\*\*\*\*\*

Grid : SOUTH FLINDERS RANGES

No.	STATION ID	GRID NORTH	GRID EAST	ELEVATION	LOOP No.	RPIS	BOUGUER GRAVITY (gms/cc)									
							1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7
1	001120	6407650	290720	440.24	8		3.852	2.007	.162	-1.683	-3.528	-5.373	-7.218	-9.063	-10.908	-12.753
2	001119	6407625	290490	436.82	8		3.176	1.345	-.485	-2.316	-4.147	-5.977	-7.808	-9.639	-11.470	-13.300
3	001118	6407830	290090	429.53	8		1.807	.006	-1.794	-3.594	-5.394	-7.194	-8.994	-10.795	-12.595	-14.395
4	001117	6407930	289625	424.59	8		.111	-1.668	-3.447	-5.227	-7.006	-8.786	-10.565	-12.345	-14.124	-15.904
5	001116	6408025	289140	421.68	8		-1.649	-3.417	-5.184	-6.951	-8.718	-10.486	-12.253	-14.020	-15.789	-17.555
6	001115	6408140	288660	416.02	8		-3.098	-4.841	-6.585	-8.328	-10.072	-11.815	-13.559	-15.302	-17.046	-18.789
7	001114	6408250	288200	411.72	9		-3.365	-5.091	-6.816	-8.542	-10.267	-11.993	-13.718	-15.444	-17.169	-18.895
8	001113	6408350	287700	406.44	8		-2.971	-4.674	-6.377	-8.081	-9.784	-11.488	-13.191	-14.894	-16.598	-18.301
9	001112	6408350	287250	401.03	8		-2.661	-4.342	-6.023	-7.704	-9.384	-11.065	-12.746	-14.426	-16.107	-17.788
10	001111	6408125	286800	394.29	8		-2.281	-3.933	-5.586	-7.238	-8.891	-10.543	-12.196	-13.848	-15.501	-17.153
11	001110	6407890	286365	391.45	8		-2.269	-3.910	-5.551	-7.191	-8.832	-10.472	-12.113	-13.753	-15.394	-17.035
12	001109	6407650	285930	390.25	8		-2.677	-4.312	-5.948	-7.583	-9.219	-10.854	-12.490	-14.125	-15.761	-17.396
13	001108	6407425	285480	389.47	8		-3.772	-5.404	-7.037	-8.669	-10.301	-11.933	-13.566	-15.198	-16.830	-18.462
14	001107	6407200	285050	387.53	8		-4.542	-6.166	-7.790	-9.414	-11.039	-12.663	-14.287	-15.911	-17.535	-19.159
15	001106	6406975	284600	386.24	8		-5.312	-6.930	-8.549	-10.168	-11.787	-13.405	-15.024	-16.643	-18.262	-19.880
16	001068	6406730	284155	386.04	5		-6.570	-8.188	-9.806	-11.424	-13.042	-14.660	-16.278	-17.896	-19.513	-21.131
17	001068	6406730	284155	386.04	8	****	-6.589	-8.207	-9.825	-11.442	-13.060	-14.678	-16.296	-17.914	-19.532	-21.150
18	001068	6406730	284155	386.04	8	****	-6.579	-8.197	-9.815	-11.433	-13.051	-14.669	-16.287	-17.904	-19.522	-21.140
19	001078	6406510	283750	387.01	6		-7.785	-9.407	-11.029	-12.651	-14.273	-15.895	-17.517	-19.139	-20.761	-22.383
20	001079	6406260	283325	388.59	6		-9.052	-10.681	-12.309	-13.938	-15.566	-17.195	-18.824	-20.452	-22.081	-23.709
21	001080	6406050	282890	391.04	6		-9.180	-10.818	-12.457	-14.096	-15.735	-17.374	-19.013	-20.652	-22.290	-23.929
22	001081	6405830	282450	395.04	6		-9.266	-10.921	-12.577	-14.232	-15.888	-17.544	-19.199	-20.855	-22.510	-24.166
23	001082	6405590	282020	400.55	6		-9.347	-11.026	-12.705	-14.383	-16.062	-17.741	-19.419	-21.098	-22.777	-24.455
24	001083	6405350	281570	406.72	6		-9.274	-10.979	-12.684	-14.388	-16.093	-17.797	-19.502	-21.206	-22.911	-24.615
25	001084	6405130	281140	412.58	6		-9.179	-10.908	-12.637	-14.366	-16.095	-17.824	-19.553	-21.282	-23.012	-24.741
26	001085	6404900	280700	423.34	6		-9.007	-10.782	-12.556	-14.330	-16.104	-17.878	-19.653	-21.427	-23.201	-24.975
27	001086	6404650	280250	437.44	6		-9.121	-10.954	-12.787	-14.621	-16.454	-18.287	-20.121	-21.954	-23.787	-25.621
28	001087	6404315	279975	430.07	6		-9.330	-11.132	-12.935	-14.737	-16.540	-18.342	-20.145	-21.947	-23.749	-25.552
29	001088	6404175	279850	428.25	6		-8.999	-10.794	-12.588	-14.383	-16.178	-17.973	-19.768	-21.562	-23.357	-25.152

\*\*\*\*\*

29 points printed

Computed on 2:39 PM THU., 11 AUG., 1983

Revision : 0

0000

## Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLD GEOPHYSICS &amp; Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\*\*\*\*

\*\* Line ID \*\*

\*\*\*\*\*

Grid : SOUTH FLINDERS RANGES

No.	STATION ID	GRID NORTH	GRID EAST	ELEVATION	LOOP No.	RPTS	BOUGUER GRAVITY (gms/cc)									
							1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7
1	001088	6404175	279850	428.25	6	****	-8.999	-10.794	-12.588	-14.383	-16.178	-17.973	-19.768	-21.562	-23.357	-25.152
2	001089	6404120	280340	423.18	6		-8.658	-10.431	-12.205	-13.978	-15.752	-17.525	-19.299	-21.073	-22.846	-24.620
3	001090	6404125	280850	422.02	6		-9.317	-11.086	-12.855	-14.623	-16.392	-18.161	-19.929	-21.698	-23.467	-25.235
4	001091	6404135	281350	415.96	6		-9.794	-11.537	-13.281	-15.024	-16.767	-18.511	-20.254	-21.997	-23.741	-25.484
5	001092	6404150	281850	410.15	6		-9.826	-11.545	-13.264	-14.983	-16.702	-18.421	-20.140	-21.859	-23.578	-25.297
6	001093	6404160	282340	405.70	6		-9.505	-11.205	-12.905	-14.606	-16.306	-18.006	-19.706	-21.407	-23.107	-24.807
7	001094	6404165	282450	404.33	6		-9.437	-11.131	-12.826	-14.520	-16.215	-17.909	-19.604	-21.299	-22.993	-24.688
8	001095	6404200	282790	399.57	6		-8.574	-10.248	-11.923	-13.598	-15.272	-16.947	-18.621	-20.296	-21.970	-23.645
9	001096	6404185	283240	394.86	6		-7.544	-9.199	-10.954	-12.509	-14.164	-15.819	-17.473	-19.128	-20.783	-22.438
10	001097	6404200	283740	389.78	6		-6.125	-7.759	-9.392	-11.026	-12.659	-14.293	-15.927	-17.560	-19.194	-20.827
11	001063	6404230	283960	388.38	5		-5.622	-7.250	-8.877	-10.505	-12.133	-13.760	-15.388	-17.016	-18.643	-20.271
12	001063	6404230	283960	388.38	4	****	-5.625	-7.253	-8.881	-10.508	-12.136	-13.764	-15.392	-17.019	-18.647	-20.275
13	001121	6404200	284470	381.17	9		-5.024	-6.621	-8.219	-9.816	-11.413	-13.011	-14.608	-16.206	-17.803	-19.401
14	001122	6404220	284970	377.67	9		-4.856	-6.438	-8.021	-9.604	-11.187	-12.770	-14.352	-15.935	-17.518	-19.101
15	001123	6404225	285465	373.73	9		-5.154	-6.720	-8.287	-9.853	-11.419	-12.985	-14.552	-16.118	-17.684	-19.251
16	001141	6404240	285625	374.30	10		-5.560	-7.128	-8.697	-10.266	-11.834	-13.403	-14.972	-16.540	-18.109	-19.678
17	001124	6404250	285960	374.31	9		-5.766	-7.335	-8.904	-10.473	-12.041	-13.610	-15.179	-16.747	-18.316	-19.885
18	001125	6404260	286450	374.25	9		-6.468	-8.036	-9.605	-11.173	-12.742	-14.310	-15.879	-17.447	-19.016	-20.584
19	001126	6404265	286945	375.04	9		-5.724	-7.295	-8.867	-10.439	-12.011	-13.583	-15.154	-16.726	-18.298	-19.870
20	001127	6404275	287420	378.01	9		-4.135	-5.720	-7.304	-8.888	-10.472	-12.057	-13.641	-15.225	-16.809	-18.394
21	001128	6404285	287915	382.69	9		-3.328	-4.932	-6.536	-8.140	-9.744	-11.347	-12.951	-14.555	-16.159	-17.763
22	001129	6404300	288410	384.24	9		-2.026	-3.637	-5.247	-6.858	-8.468	-10.078	-11.689	-13.299	-14.909	-16.520
23	001130	6404300	288900	386.92	9		-1.846	-2.468	-4.089	-5.711	-7.333	-8.954	-10.576	-12.197	-13.819	-15.441
24	001131	6404250	289375	392.40	9		-1.128	-1.773	-3.417	-5.062	-6.707	-8.351	-9.996	-11.640	-13.285	-14.929
25	001132	6404340	289850	399.05	9		1.459	-2.213	-1.885	-3.558	-5.230	-6.903	-8.575	-10.248	-11.920	-13.592
26	001133	6404350	290325	401.67	9		1.352	-3.351	-2.015	-3.698	-5.381	-7.065	-8.748	-10.432	-12.115	-13.798
27	001134	6404340	290820	403.95	9		2.473	1.780	-1.913	-2.606	-4.299	-5.992	-7.685	-9.378	-11.071	-12.764
28	001135	6404330	291310	416.05	9		2.696	1.952	-1.792	-2.535	-4.279	-5.923	-7.666	-9.310	-10.954	-12.597
29	001136	6404240	291810	420.02	9		3.193	1.433	-1.327	-2.088	-3.848	-5.608	-7.369	-9.129	-10.889	-12.650
30	001137	6404350	292260	413.29	9		2.654	1.922	-1.810	-2.542	-4.274	-5.906	-7.538	-9.170	-10.802	-12.435
31	001138	6404535	292730	417.91	9		2.628	1.877	-1.875	-2.626	-4.378	-6.129	-7.881	-9.632	-11.384	-13.135
32	001139	6404500	293220	410.82	9		1.334	-1.388	-2.109	-3.831	-5.553	-7.275	-8.996	-10.718	-12.440	-14.162
33	001140	6404635	293675	405.92	10		1.708	-1.006	-1.695	-3.396	-5.097	-6.799	-8.500	-10.201	-11.902	-13.603
34	001140	6404635	293675	405.92	9	****	1.684	-1.017	-1.719	-3.420	-5.121	-6.822	-8.523	-10.225	-11.926	-13.627
35	001142	6404605	294150	396.26	10		1.873	-1.213	-1.448	-3.109	-4.770	-6.430	-8.091	-9.752	-11.413	-13.073
36	001143	6404650	294650	388.13	10		1.535	-1.092	-2.718	-4.345	-5.972	-7.598	-9.225	-10.852	-12.478	-14.105
37	001144	6404650	295130	379.49	10		-1.553	-2.143	-3.734	-5.324	-6.914	-8.505	-10.095	-11.686	-13.276	-14.867
38	001145	6404650	295630	372.23	10		-1.794	-2.354	-3.914	-5.474	-7.034	-8.594	-10.154	-11.714	-13.274	-14.834
39	001146	6404660	296125	364.14	10		-1.555	-2.081	-3.607	-5.133	-6.660	-8.186	-9.712	-11.238	-12.764	-14.290
40	001147	6404690	296625	355.82	10		1.189	-1.302	-2.793	-4.284	-5.776	-7.267	-8.758	-10.249	-11.741	-13.232
41	001148	6404700	297125	349.18	10		1.654	-1.809	-2.272	-3.736	-5.199	-6.663	-8.126	-9.589	-11.053	-12.516
42	001051	6404700	297450	348.66	3		1.378	-1.083	-1.545	-3.006	-4.467	-5.928	-7.390	-8.851	-10.312	-11.773
43	001051	6404700	297450	348.66	10	****	1.401	-1.061	-1.522	-2.983	-4.444	-5.906	-7.367	-8.828	-10.289	-11.751
44	001149	6404725	297575	349.06	10		1.712	-1.250	-1.213	-2.676	-4.139	-5.602	-7.065	-8.528	-9.991	-11.454
45	001150	6404720	298060	350.01	10		2.515	1.048	-1.419	-1.886	-3.353	-4.820	-6.286	-7.753	-9.220	-10.687
46	001151	6404725	298560	347.54	10		2.254	1.798	-1.659	-2.115	-3.572	-5.028	-6.485	-7.941	-9.398	-10.854
47	001152	6404740	299060	348.10	10		2.254	1.795	-1.664	-2.123	-3.582	-5.041	-6.499	-7.958	-9.417	-10.876
48	001153	6404750	299560	347.60	10		2.154	1.697	-1.755	-2.216	-3.673	-5.130	-6.587	-8.043	-9.500	-10.957
49	001154	6404760	300060	344.33	10		2.175	1.732	-1.711	-2.154	-3.597	-5.048	-6.484	-7.927	-9.378	-10.813

0060

48 001153 6404730 300050 344.33 10 2.154 .677 -1.737 -2.216 -3.673 -5.130 -6.587 -8.045 -9.502 -10.960  
49 001154 6404768 300050 344.33 10 2.175 .732 -1.711 -2.154 -3.597 -5.040 -6.484 -7.927 -9.370 -10.813

50 001155 6404810 300525 345.45 10 2.179 .731 -1.716 -2.164 -3.612 -5.060 -6.508 -7.955 -9.403 -10.851  
51 001156 6404825 301000 334.84 10 1.662 .259 -1.145 -2.548 -3.951 -5.355 -6.758 -8.161 -9.564 -10.968

\*\*\*\*\*

51 points printed      Computed on 2:39 PM THU., 11 AUG., 1983      Revision :      0

0061

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLD GEOPHYSICS & Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\*\*\*\*  
\*\* Line ID 5 \*\*  
\*\*\*\*\*

Grid : SOUTH FLINDERS RANGES

No.	STATION ID	GRID NORTH	GRID EAST	ELEVATION	LOOP No.	RPTS	BOUGUER GRAVITY (gms/cc)									
							1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7
1	001042	6399420	292160	351.08	3		.462	-1.007	-2.481	-3.952	-5.423	-6.895	-8.366	-9.838	-11.309	-12.780
2	001042	6399420	292160	351.03	11	****	.459	-1.012	-2.483	-3.955	-5.426	-6.897	-8.368	-9.839	-11.310	-12.782
3	001175	6399575	291675	350.62	11		-.089	-1.558	-3.027	-4.497	-5.966	-7.436	-8.905	-10.375	-11.844	-13.314
4	001174	6399750	291235	352.46	11		-.389	-1.866	-3.343	-4.820	-6.297	-7.775	-9.252	-10.729	-12.206	-13.683
5	001173	6399925	290775	352.72	11		-.049	-1.527	-3.005	-4.484	-5.962	-7.440	-8.918	-10.397	-11.875	-13.353
6	001172	6399915	290300	357.23	11		-.186	-1.683	-3.180	-4.677	-6.174	-7.671	-9.169	-10.666	-12.163	-13.660
7	001171	6399925	289815	353.79	11		-.316	-1.798	-3.281	-4.764	-6.246	-7.729	-9.212	-10.695	-12.177	-13.660
8	001170	6399915	289425	352.27	11		-.335	-1.811	-3.288	-4.764	-6.241	-7.717	-9.193	-10.670	-12.146	-13.622
9	001169	6399915	289320	351.76	11		-.505	-1.979	-3.454	-4.928	-6.402	-7.876	-9.350	-10.825	-12.299	-13.773
10	001168	6399900	288825	352.38	11		-1.310	-2.787	-4.264	-5.741	-7.218	-8.694	-10.171	-11.648	-13.125	-14.602
11	001167	6399900	288325	353.04	11		-1.833	-3.313	-4.792	-6.272	-7.751	-9.231	-10.711	-12.190	-13.670	-15.149
12	001166	6399860	287825	354.22	11		-2.466	-3.951	-5.435	-6.920	-8.404	-9.889	-11.373	-12.858	-14.342	-15.827
13	001165	6399850	287340	355.35	11		-3.168	-4.657	-6.147	-7.636	-9.125	-10.615	-12.104	-13.593	-15.082	-16.572
14	001164	6399835	286825	356.65	11		-3.735	-5.229	-6.724	-8.219	-9.713	-11.208	-12.703	-14.198	-15.692	-17.187
15	001163	6399825	286340	358.63	11		-4.653	-6.156	-7.659	-9.162	-10.665	-12.168	-13.671	-15.174	-16.677	-18.180
16	001162	6399810	285845	359.55	11		-5.602	-7.308	-8.815	-10.322	-11.829	-13.336	-14.843	-16.350	-17.857	-19.363
17	001161	6399800	285385	362.21	11		-7.026	-8.544	-10.062	-11.580	-13.098	-14.616	-16.134	-17.652	-19.170	-20.688
18	001160	6399790	284890	364.42	11		-8.455	-9.983	-11.510	-13.037	-14.565	-16.092	-17.619	-19.146	-20.674	-22.201
19	001159	6399785	284390	368.31	11		-8.824	-10.368	-11.911	-13.455	-14.999	-16.542	-18.086	-19.629	-21.173	-22.716
20	001158	6399770	283900	370.60	11		-8.493	-10.047	-11.600	-13.153	-14.706	-16.259	-17.813	-19.366	-20.919	-22.472
21	001157	6399750	283410	374.34	11		-8.544	-10.113	-11.682	-13.251	-14.820	-16.389	-17.958	-19.526	-21.095	-22.664
22	001053	6399760	282910	376.68	4		-8.763	-10.342	-11.921	-13.499	-15.078	-16.657	-18.235	-19.814	-21.393	-22.971
23	001053	6399760	282910	376.68	7	****	-8.768	-10.347	-11.926	-13.504	-15.083	-16.662	-18.240	-19.819	-21.398	-22.976
24	001053	6399760	282910	376.68	11	****	-8.749	-10.328	-11.906	-13.485	-15.064	-16.642	-18.221	-19.800	-21.378	-22.957
25	001098	6399750	282400	381.78	7		-8.786	-10.386	-11.986	-13.586	-15.186	-16.786	-18.386	-19.986	-21.586	-23.186
26	001099	6399740	281910	388.48	7		-9.096	-10.725	-12.353	-13.981	-15.609	-17.237	-18.865	-20.493	-22.121	-23.749
27	001100	6399725	281410	394.28	7		-9.661	-11.313	-12.965	-14.618	-16.270	-17.923	-19.575	-21.228	-22.880	-24.532
28	001101	6399715	280910	401.15	7		-9.518	-11.199	-12.880	-14.562	-16.243	-17.924	-19.605	-21.287	-22.968	-24.649
29	001102	6399700	280415	408.22	7		-9.484	-11.195	-12.906	-14.616	-16.327	-18.038	-19.749	-21.460	-23.171	-24.882
30	001103	6399700	279960	418.62	7		-8.804	-10.558	-12.312	-14.067	-15.821	-17.576	-19.330	-21.085	-22.839	-24.593
31	001104	6399680	279470	428.15	7		-7.846	-9.640	-11.435	-13.229	-15.023	-16.818	-18.612	-20.407	-22.201	-23.995
32	001105	6399675	279270	431.92	7		-7.414	-9.224	-11.034	-12.844	-14.654	-16.465	-18.275	-20.085	-21.895	-23.705

\*\*\*\*\*  
32 points printed      Computed on 2:39 PM THU., 11 AUG., 1983      Revision : 0

0066

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLO GEOPHYSICS & Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\*\*\*\*  
\*\* Line ID 6 \*\*  
\*\*\*\*\*

Grid : SOUTH FLINDERS RANGES

No.	STATION ID	GRID NORTH	GRID EAST	ELEVATION	LOOP No.	RPTS	BOUGUER GRAVITY (gms/cc)									
							1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7
1	001037	6396055	289050	341.17	13		-1.006	-2.436	-3.866	-5.296	-6.726	-8.156	-9.585	-11.015	-12.445	-13.875
2	001037	6396055	289050	341.17	3	****	-1.021	-2.450	-3.880	-5.310	-6.740	-8.170	-9.600	-11.030	-12.459	-13.889
3	001197	6396050	288860	340.14	13		-1.353	-2.779	-4.204	-5.630	-7.055	-8.481	-9.906	-11.332	-12.757	-14.183
4	001196	6396035	288360	340.17	13		-2.418	-3.843	-5.269	-6.695	-8.120	-9.546	-10.972	-12.397	-13.823	-15.249
5	001195	6396025	287860	340.68	13		-2.540	-3.968	-5.395	-6.823	-8.251	-9.679	-11.106	-12.534	-13.962	-15.390
6	001194	6396000	287360	340.88	13		-3.270	-4.698	-6.127	-7.556	-8.984	-10.413	-11.842	-13.270	-14.699	-16.127
7	001193	6395990	286860	341.68	13		-4.262	-5.694	-7.126	-8.558	-9.990	-11.422	-12.854	-14.286	-15.718	-17.150
8	001192	6395985	286380	343.07	13		-4.962	-6.400	-7.837	-9.275	-10.713	-12.151	-13.589	-15.026	-16.464	-17.902
9	001192	6395985	286380	343.07	12	****	-4.965	-6.403	-7.841	-9.279	-10.716	-12.154	-13.592	-15.030	-16.468	-17.906
10	001191	6395975	285880	344.48	12		-5.484	-6.927	-8.371	-9.815	-11.258	-12.702	-14.146	-15.590	-17.033	-18.477
11	001190	6395960	285380	346.18	12		-6.693	-8.144	-9.595	-11.046	-12.497	-13.948	-15.398	-16.849	-18.300	-19.751
12	001189	6395950	284920	347.17	12		-7.926	-9.381	-10.836	-12.291	-13.746	-15.201	-16.656	-18.111	-19.565	-21.020
13	001188	6395940	284420	348.83	12		-9.897	-11.359	-12.821	-14.283	-15.745	-17.207	-18.669	-20.131	-21.593	-23.055
14	001187	6395935	283930	349.49	12		-10.647	-12.112	-13.576	-15.041	-16.506	-17.970	-19.435	-20.900	-22.365	-23.829
15	001186	6395925	283430	351.51	12		-10.529	-12.002	-13.475	-14.948	-16.421	-17.895	-19.368	-20.841	-22.314	-23.787
16	001185	6395910	282940	354.24	12		-11.338	-12.823	-14.307	-15.792	-17.277	-18.761	-20.246	-21.730	-23.215	-24.700
17	001184	6395900	282440	356.19	12		-12.325	-13.817	-15.310	-16.803	-18.296	-19.789	-21.281	-22.774	-24.267	-25.760
18	001011	6395895	281950	359.08	1		-11.792	-13.297	-14.802	-16.307	-17.811	-19.316	-20.821	-22.326	-23.831	-25.336
19	001011	6395895	281950	359.08	12	****	-11.808	-13.313	-14.818	-16.323	-17.827	-19.332	-20.837	-22.342	-23.847	-25.352
20	001176	6396150	281550	365.57	12		-11.013	-12.545	-14.077	-15.609	-17.141	-18.673	-20.205	-21.737	-23.269	-24.801
21	001177	6396460	281150	373.00	12		-10.503	-12.066	-13.629	-15.193	-16.756	-18.319	-19.882	-21.446	-23.009	-24.572
22	001178	6396750	280750	381.58	12		-9.639	-11.239	-12.838	-14.437	-16.036	-17.635	-19.235	-20.834	-22.433	-24.032
23	001179	6397050	280340	394.30	12		-8.670	-10.323	-11.975	-13.628	-15.280	-16.933	-18.585	-20.238	-21.890	-23.543
24	001180	6397375	279990	405.88	12		-7.635	-9.336	-11.037	-12.738	-14.439	-16.140	-17.842	-19.543	-21.244	-22.945
25	001181	6397550	279550	419.35	12		-6.542	-8.300	-10.057	-11.815	-13.572	-15.330	-17.087	-18.845	-20.602	-22.360
26	001182	6397540	279075	434.07	12		-5.627	-7.446	-9.265	-11.085	-12.904	-14.723	-16.542	-18.361	-20.181	-22.000
27	001183	6397265	278660	451.00	12		-4.684	-6.574	-8.465	-10.355	-12.245	-14.135	-16.025	-17.915	-19.805	-21.696

27 points printed

Computed on 2:39 PM THU., 11 AUG., 1983

Revision : 0

8900

Processed for : ELECTRICITY TRUST OF SOUTH AUSTRALIA

SOLO GEOPHYSICS & Co.

Location : ORROROO AND JOHNBURGH MID NORTH S.A.

\*\*\*\*\*

Line ID 7

\*\*\*\*\*

Grid : SOUTH FLINDERS RANGES

No.	STATION ID	GRID NORTH	GRID EAST	ELEVATION	LOOP No.	RPTS	BOUGUER GRAVITY (gms/cc)									
							1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7
1	001000	6391040	279935	351.91	2		-9.409	-10.884	-12.359	-13.834	-15.309	-16.784	-18.258	-19.733	-21.208	-22.683
2	001000	6391040	279935	351.91	1	****	-9.397	-10.871	-12.346	-13.821	-15.296	-16.771	-18.246	-19.721	-21.195	-22.670
3	001019	6391050	280420	349.34	2		-9.142	-10.606	-12.070	-13.535	-14.999	-16.463	-17.927	-19.391	-20.855	-22.319
4	001020	6391055	280920	348.93	2		-8.981	-10.443	-11.906	-13.368	-14.830	-16.293	-17.755	-19.217	-20.680	-22.142
5	001021	6391060	281420	348.89	2		-9.963	-11.425	-12.888	-14.350	-15.812	-17.274	-18.736	-20.199	-21.661	-23.123
6	001022	6391075	281915	348.15	2		-11.445	-12.904	-14.363	-15.822	-17.281	-18.741	-20.200	-21.659	-23.118	-24.577
7	001023	6391090	282415	346.60	2		-11.098	-12.550	-14.003	-15.456	-16.908	-18.361	-19.813	-21.266	-22.719	-24.171
8	001024	6391100	282915	346.60	2		-10.542	-11.995	-13.447	-14.900	-16.353	-17.805	-19.258	-20.710	-22.163	-23.616
9	001025	6391105	283410	347.38	2		-9.417	-10.873	-12.329	-13.784	-15.240	-16.696	-18.152	-19.608	-21.064	-22.520
10	001026	6391105	283900	346.96	2		-6.437	-7.891	-9.345	-10.800	-12.254	-13.708	-15.162	-16.616	-18.070	-19.524
11	001027	6391125	284400	346.59	2		-3.562	-5.014	-6.467	-7.919	-9.372	-10.824	-12.277	-13.730	-15.182	-16.635
12	001028	6391130	284900	346.43	2		-3.190	-4.642	-6.094	-7.546	-8.998	-10.450	-11.902	-13.354	-14.806	-16.257
13	001029	6391140	285360	345.34	2		-2.911	-4.358	-5.806	-7.253	-8.700	-10.148	-11.595	-13.042	-14.489	-15.937
14	001030	6391160	285840	345.72	2		-3.281	-4.730	-6.179	-7.628	-9.076	-10.525	-11.974	-13.423	-14.872	-16.321
15	001031	6391160	286260	346.28	2		-1.888	-3.339	-4.790	-6.241	-7.693	-9.144	-10.595	-12.046	-13.498	-14.949
16	001031	6391160	286260	346.28	13	****	-1.910	-3.361	-4.813	-6.264	-7.715	-9.166	-10.618	-12.069	-13.520	-14.971
17	001198	6391175	286760	347.83	13		-7.719	-2.177	-3.634	-5.092	-6.550	-8.008	-9.465	-10.923	-12.381	-13.839
18	001199	6391050	287260	350.38	13		-1.274	-2.742	-4.211	-5.679	-7.148	-8.616	-10.084	-11.553	-13.021	-14.490
19	001200	6390730	287625	356.35	13		-2.237	-1.730	-3.224	-4.717	-6.211	-7.704	-9.198	-10.691	-12.185	-13.678
20	001201	6390500	288045	362.35	13		.412	-1.107	-2.626	-4.144	-5.663	-7.181	-8.700	-10.219	-11.737	-13.256
21	001202	6390325	288520	369.79	13		1.424	-.126	-1.675	-3.225	-4.775	-6.325	-7.875	-9.424	-10.974	-12.524
22	001203	6390180	289000	376.95	13		2.313	.733	-.847	-2.426	-4.006	-5.586	-7.166	-8.746	-10.325	-11.905
23	001204	6390040	289470	385.44	13		3.183	1.567	-.048	-1.664	-3.279	-4.894	-6.510	-8.125	-9.740	-11.356
24	001205	6389925	289925	391.97	13		3.886	2.243	.601	-1.042	-2.665	-4.328	-5.970	-7.613	-9.256	-10.899

24 points printed

Computed on 2:39 PM THU., 11 AUG., 1983

Revision : 0

Total points printed for selection given - 242

0900